

# SCHEDULE OF RATES

## VOLUME -I

[Incorporation of GST Act, 2017 & All addenda & Corrigenda of SOR, 01.12.2015]

## BUILDING WORKS

[With effect from 01.11.2017]



PUBLIC WORKS DEPARTMENT  
GOVERNMENT OF WEST BENGAL



# **SCHEDULE OF RATES**

*(Incorporation of GST Act, 2017 & all Addenda & Corrigenda of SOR, 01.12.2015)*

*for*

**BUILDING WORKS (VOLUME – I)  
SANITARY & PLUMBING (VOLUME - II)  
ROAD & BRIDGE WORKS (VOLUME – III)  
(including Materials, Labour & Carriage)**

**Effective From 01.11.2017**



सत्यमेव जयते

**PUBLIC WORKS DEPARTMENT  
GOVERNMENT OF WEST BENGAL**

# PREFACE

*In continuation of U.O. No. 332/SPW/2013 dated 31.11.2013 of the Principal Secretary of PWD and subsequent U. O. No. 1143-ENC/13 date 02.12.2013 & No. 1167-ENC/13 dated 05.12.2013 of the Engineer-in- Chief & Ex-officio Secretary of PWD, the Combined Schedule of Rates in 3 (three) Volumes was published on 01.07.2014.*

*Again, it was felt that a PWD Combined Schedule of Rates need to be published after amalgamation of all addenda & corrigenda published till 30.10.2015 in order to avoid handling problem and reducing the probability of committing error during preparation of estimates, as well. So, the Combined Schedule of Rates was published on 01.12.2015.*

*Now, after promulgation of GST from 01.07.2017, it was felt to revise the rates of all items considering only the basic price (i. e. exclusive of GST). GST is to be added later on. **Sample Abstract sheet for preparing DPR given herein after (Annexure 'X').***

*For incorporation of GST Act, 2017, the Construction Labour Welfare Cess (1%) which was included within rate of item previously has been extracted from the entire items.*

*In addition to above, all items in Chapter (U)-ADDITIONAL ITEMS, addenda & corrigenda published before publication of PWD schedule 2015, has been placed in other relevant existing chapters to facilitate users.*


***This will take effect on & from 01.11.2017.***

*All efforts have been taken for keeping this publication error free. However, effective suggestion for any correction, addition & alteration is always welcome for any further betterment.*

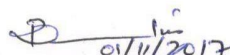
*At last, we on behalf of the Schedule committee would like to convey our sincere thanks to those Engineer Officers who have co-operated with suggestions and also expect fruitful comments & suggestions from all corners in future, as ever.*

  
(TAPASH KR. DEO)

Superintending Engineer  
Bridge Planning Circle  
Member of the Combined  
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(DEBASHIS ROY) 01/11/2017

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Engineer-in-Chief  
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## **ANNEXURE 'X'**

### *GENERAL ABSTRACT OF COST*

*Project Title: CONSTRUCTION OF PROPOSED BUILDING AT.....*

<i>Sl. No.</i>	<i>Description</i>	<i>Amount (Rs)</i>
<i>1</i>	<i>Cost for Building Works</i>	<i>X</i>
<i>2</i>	<i>Cost for Sanitary Works</i>	<i>Y</i>
<i>3</i>	<i>Cost for Ancillary Work, if any</i>	<i>Z</i>
<i>4</i>	<i>Sub-total Cost (1+2+3)</i>	<i>A=(X+Y+Z)</i>
<i>5</i>	<i>GST, as applicable on Sl. No.- 4</i>	<i>B</i>
<i>6</i>	<i>Cost of civil works excluding labour welfare cess (4+5)</i>	<i>C=(A+B)</i>
<i>7</i>	<i>Labour welfare cess @1% on Sl. No.- 6</i>	<i>D</i>
<i>8</i>	<i>Cost of civil works including labour welfare cess (6+7)</i>	<i>E=(C+D)</i>

**Note: Contingency Charge @ 3% is to be considered on Sl. No. – 6.**



**VOLUME - I**  
*for*  
**BUILDING WORKS**

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## GENERAL CONDITION

- *The Schedule of Rates (Volume – I) is divided into two sections, Section -I for works, Section -II for materials & Labour and each section into sub-sections. In all cases of contracts in respect of Building Works, this entire volume of Schedule will be operative. Though this entire volume of Schedule is divided for convenience into sections and sub-sections it is to be taken as a whole. An item under one section will apply equally to work falling under the category of another section unless a similar item appears in the later section. The same principle applies to items under different sub-sections.*
- *The ‘Engineer-in-Charge’ shall mean the Executive Engineer of the Division concerned. The Sub-Divisional Officer concerned is authorized to carry out on behalf of the ‘Engineer-in-Charge’ general supervision, day to day instructions with approval of materials and workmanship. In case of dispute, the decision of the ‘Engineer-in-Charge’ shall be final and binding.*
- *Except when specifically mentioned in the description of the item itself, the rate for any item of work will apply equally to all floors, in any position and up to any height. In respect of concrete work etc. where the rate is on the basis of volume, the item shall apply to all cases irrespective of the thickness unless a specific item appear in the Schedule for the particular type of work. The work up to a particular floor level means all work up to the roof of that floor. All works in basement shall be treated as work in first floor for payment.*
- *Renewal works include dismantling and taking out of old works with mending good damages after renewal and removal of waste materials. The rate for any item of original nature not provided in this Schedule may be deduced from the rate of similar item of renewal work by multiplying by a factor 100/105 and conversely the rate of any item of renewal nature not provided in this Schedule may be deduced from the rate of similar item of original nature by multiplying by a factor 105/100.*
- *White washing, painting etc. include preparation of surface (including plugging old nail holes etc.) prior to the treatment and removal of all marks or stains from walls, floor, glass, panes, chowkats etc. For repair works, this also includes shifting and/or covering furniture etc.*
- *All works shall be carried out with due regard to the convenience of the occupants, if any, and the arrangement and programme of work must be adjusted accordingly. In case of works within Jails, Hospitals etc. the Rules & Regulations of Authorities concerned must be strictly obeyed. The rates given in the Schedule are deemed to be inclusive of all such factors and contingencies.*
- *All materials, tools and plants are to be arranged for the work. All labours (Skilled & Unskilled) including their housing, sanitation, procurement of food stuff, medical aids etc. are to be arranged by the contractor. Cost of transport of labour, materials and all other relevant items shall have to be borne by the contractor.*

- *Arrangement of water for preparation of concrete & mortar as well as for soaking of bricks and other materials are to be made by the contractor. Construction of platforms and vats including cost thereof are to be borne by the contractor.*

***If not specifically indicated in the items themselves, the rates appearing in this schedule are inclusive of cost of all supply, carriage, handling, fitting, fixing, toll charges, ferry charges etc. and all other incidental works involved in any floor, at any level including all necessary jointing materials, scaffolding to any height, hire charges of tools and plants, and all ancillary materials but exclusive of GST.***

***To arrive at complete rate of different items in this Schedule, 1% Sundries, 1% water charges, 5% overhead and 10% contractor's profit have been considered along with the aforesaid material cost, labour cost and other cost etc.***

*Unless specifically mentioned otherwise in the description of the item itself, no extra charges will be paid for scaffolding (including stage scaffolding), centering, shuttering, curing etc. and the rates are deemed to be inclusive of the same for the satisfactory completion of the work.*

- *All materials brought to site must have approval of Engineer-in-Charge. Rejected materials must be removed by the contractor from the site within 24 (twenty-four) hours of the issue of orders to that effect. In case of non-compliance with such orders, the 'Engineer-in-Charge' shall have the authority for removal of those rejected materials at the cost and expenses of contractor and the contractor shall not be entitled to any loss or damage on that account.*
- *Departmental materials (i.e. materials are supposed to be issued by the department) shall be issued to the contractor to the extent of requirements as assessed and in small installments as decided by the Engineer-in-Charge. Issue of departmental materials may be of two categories :*

*(A) Materials for which value are to be recovered from the contractor.*

*(B) Materials which are issued directly to work (in respect of items the rates of which do not include the cost of these materials).*

*For materials under Category (A) the value of materials issued to the contractor on usual hand receipt shall be recovered from the bill of contractor in one installment or in successive installments as may be decided by the Engineer-in-Charge.*

*For materials under Category (B) the contractor will act as custodian of the department, when he shall take charge of the materials against appropriate receipts signed by him. The contractor shall remain responsible for the proper storage and safe custody of such materials. The rates of relevant items of work shall be deemed to be inclusive of reasonable consideration for such duties and responsibilities as the custodian.*

*All materials, whatever is the category thereof, shall be properly stored by the contractor in suitable godowns within the site of work. Under no circumstances, whatsoever shall any materials be removed from the site of work without prior written permission from the Engineer-in-Charge. The contractor shall be responsible for any damage or loss of such materials unless he can satisfy the Engineer-in-Charge that the reasons for such damage or loss are due to circumstances beyond his control. The contractor shall also have to satisfy the Engineer-in-Charge regarding the proper utilization of such materials.*

*The value of any materials, which cannot be satisfactorily accounted for, shall be recovered from the contractor's bill or other dues as specified in P. W. Department's Order No. 2809(3)-A Dated 27.04.1971 as mentioned in West Bengal Form No. 2911.*

*Any materials under Category (A) which may be surplus in few quantities on completion of the work may at the sole discretion of the Superintending Engineer be taken back provided the same are found of non-perishable nature and has not been damaged in any way. Surplus materials under Category (B) shall be returned to the Engineer-in-Charge in good condition.*

- *Subject to the aforesaid condition, the following materials under Category (A) shall be issued to the contractor at issue rates reflected against each. The materials shall be issued from the departmental godown or godowns and for this purpose a stack-yard shall also be deemed as godown as may be specified in the contract stipulations for any particular work. The contractor will have to carry the materials at his own cost and his quoted rate will be deemed to be inclusive of all such costs including costs for loading, unloading and stacking.*

*i) **Cement:** Issue Rate and Basic Price of Cement are shown in Table – 1-1 of Annexure – I. If cement is supplied by the Department, the cost of cement will be recovered on Issue Rate, when in case of supply of the same by the contractor, then rates of those cement related items are to be deduced as per Format – A of Annexure - I. Except M35 & M40 Grade of design mix concrete, rates of all other cement related items have been derived considering PSC/PPC Cement. For M35 & M40 Grade of design mix concrete, OPC (Grade – 43/53) cement has been considered in deriving the item-rates.*

*ii) **Reinforcing Steel:** Issue Rate and Basic Price of Reinforcing Steel are shown in Table – 1-1 of Annexure – I. If Steel is supplied by the Department, the cost of Steel will be recovered on Issue Rate, when in case of supply of the same by the contractor, then rates of those Steel related items are to be deduced as per Format – B of Annexure - I. Cut pieces of reinforcing steel materials left surplus on completion of work shall not be taken back if the same be considered as unsuitable for utilization in other works. Item-rates of structural steel and GCI Sheet have been derived considering said materials to be supplied by the contractor.*

**iii) Empty Bitumen Drum:** - Prevailing Schedule of Rates (Volume – III) of PWD is to be followed.

*If in the interest of the work, materials other than those mentioned above are to be issued under Category (A), the issue-rate of such materials shall be based on the-then market rate or the stock issue-rate whichever is higher. Such issue-rate shall be decided by the Engineer-in-Charge and his decision shall be binding.*

- *Materials obtained by dismantling Government structures or parts thereof shall remain the property of Government. The contractor shall sort out and stack the serviceable materials within the premises and also dispose of the unserviceable rubbish etc. as per instruction of the Engineer-in-Charge or his representative.*

*The contractor shall remain the custodian of such dismantled materials till the charge of the same is taken over by the Engineer-in-Charge or his representative.*

- *The site must be cleared by the contractor from time to time by removing rubbish, debris etc. as accumulated during the work and on completion the whole site must be left in a clean and tidy condition to the satisfaction of Engineer-in-Charge or his representative.*
- *Number of full bricks salvaged by dismantling all types of masonry part of the structure must correspond to at least 20% of the volume dismantled.*
- *Carriage of materials (unless specifically considered in the Rate Analysis) is the sole responsibility of the contractor for which no extra payment should be made (unless in exigency a few of those seem to be justified by the Engineer-in-Charge, when the same are to be approved by the concerned Superintending Engineer).*



# **GENERAL SPECIFICATIONS**

## **(INCLUDING MODES OF MEASUREMENT)**

### **(A) MATERIALS**

#### **GENERAL:**

*All materials to be used in works shall conform to Indian Standards Specification as published by B.I.S from time to time (and in the absence thereof as approved by the Engineer-in-Charge). Unless specifically mentioned otherwise the following modes of measurements shall be adopted. In general, the mode of measurement of the civil engineering works shall be guided by I.S.I. Code No.: 1200-1964 (Revised) for Indian Standard Method of measurement of Building work.*

#### **A-1 Bricks**

*All bricks shall be of approved quality of standard specifications, made of good brick earth, uniform deep red, cherry or copper colour, thoroughly burnt in kiln (machine made) without being vitrified, regular in shape and size, sound, hard, homogeneous in texture, true to shape and of standard dimension and shall be free from cracks, chips, flaws, stones or humps of any kind and shall not show appreciable signs of efflorescence either dry or subsequent to soaking in water. The size of bricks shall be  $9\frac{3}{4}$ " x  $4\frac{3}{4}$ " x  $2\frac{3}{4}$ " (conventional). 190 x 90 x 90 mm (modular). The Bricks shall emit a clear ringing sound on being struck and have minimum crushing strength of 105 kg/sq.cm. All the bricks which absorb water more than 20% of their own dry weight after 24 hours immersion in cold water shall be rejected.*

#### **A-2 Coarse Aggregates for Cement Concrete Works:**

*Stone chips or stone ballast for cement concrete (plain or reinforced) shall be hard, of uniform and fine texture. free from faults or planes of weakness and free from weathered faces. The ballast or chips must be free from loam, clay or any surface coating, free from organic matter or other impurities and screened, free of dust. Stone of black and hard variety as is generally available from quarries in Pakur or Chandil areas will be normally used. Stone aggregates from other sources may also be used provided the same is found suitable in the opinion of the Engineer-in-Charge. The opinion of Engineer-in-Charge must be recorded in writing. The ballast or chips shall be obtained by breaking from large blocks and must be more or less cubicle in shape.*

**Size of Coarse Aggregates :** *For any of the following nominal sizes of graded coarse aggregates, grading shall be in conformity with the requirements laid down in the Indian Standards Specification IS : 383-1963 as shown below in Table 1.*

**TABLE – 1**

<i>IS. Sieve Designation</i>	<i>Percentage passing for graded aggregate of nominal size</i>			
	<i>40mm</i>	<i>20mm</i>	<i>16mm</i>	<i>12.5mm</i>
<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>
<i>80 mm</i>	<i>100</i>			
<i>63 mm</i>				
<i>40 mm</i>	<i>95-100</i>	<i>100</i>		
<i>20 mm</i>	<i>30-70</i>	<i>95-100</i>	<i>100</i>	<i>100</i>
<i>16 mm</i>			<i>90-100</i>	
<i>12.5 mm.</i>				<i>90-100</i>
<i>10 mm.</i>	<i>10-35</i>	<i>25-55</i>	<i>30-70</i>	<i>40-85</i>
<i>4.75 mm.</i>	<i>0-5</i>	<i>0-10</i>	<i>0-10</i>	<i>0-10</i>
<i>2.36 mm.</i>				

When coarse aggregates brought to the site is ungraded, single size coarse aggregates of different nominal sizes, conforming to the requirements vide **Table II** given below, shall be mixed at site with the other ingredients of concrete either directly in the mixture or on the platform in the proportion indicated in **Table III** below :

**TABLE –II**

<i>IS. Sieve Designation</i>	<i>Percentage passing for single sized aggregate of nominal size</i>					
	<i>63mm</i>	<i>40mm</i>	<i>20mm</i>	<i>16mm</i>	<i>12.5mm</i>	<i>10 mm</i>
<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	<i>6</i>	<i>7</i>
<i>80 mm</i>	<i>100</i>					
<i>63 mm</i>	<i>85-100</i>	<i>100</i>				
<i>40 mm</i>	<i>0-30</i>	<i>85- 100</i>	<i>100</i>			
<i>20 mm</i>	<i>0-5</i>	<i>0-20</i>	<i>85-100</i>	<i>100</i>		
<i>16 mm</i>				<i>85- 100</i>	<i>100</i>	
<i>12.5 mm.</i>					<i>85-100</i>	<i>100</i>
<i>10 mm.</i>	<i>0-5</i>	<i>0-5</i>	<i>0-20</i>	<i>0-30</i>	<i>0-45</i>	<i>85-100</i>
<i>4.75 mm.</i>			<i>0-5</i>	<i>0-5</i>	<i>0-10</i>	<i>0-20</i>
<i>2.36 mm.</i>						<i>0-5</i>

**TABLE – III**

SI. No.	Cement concrete mix	Nominal size of aggregate	Parts of aggregate of size 50 mm.	Parts of aggregate of size 40 mm.	Parts of aggregate of size 20 mm	Parts of aggregate of size 12.5 mm	Parts of aggregate of size 10 mm.
1	2	3	4	5	6	7	8
1.	C.C.1:6: 12	63mm	9		3		
2.	C.C.1:6:12	40mm		9	3		
3.	C.C.1:5:10	63mm	7½		2½		
4.	C.C. 1:5:10	40mm		7½	2½		
5.	C.C.1:4:8	63mm		6	2		
6.	C.C.1:4:8	40mm		6	2		
7.	CC. 1:3:6	63mm	4½		1½		
8.	CC. 1: 3 : 6	40mm		4½	1½		
9.	CC. 1:3:6	20mm			4½		1½
10.	C.C.1:2:4	40mm		2½	1		1½
11.	C.C.1:2:4	20 mm			3		1
12.	C.C.1:2:4	12.5mm				3	1
13.	C.C. 1:½:3	20 mm			2		1

**Notes:** The Proportions indicated in **Table III** above are by volume. These proportions may be varied somewhat by Engineer-in-Charge after making sieve analysis of the aggregates brought to the site, when considered necessary for obtaining better density and strength of concrete, void ratio in the tune 0-25

**All-in-aggregates:** If combined aggregates are available, they need not be separated into fine and coarse. But necessary adjustment may be made in the grading by the addition of single sized aggregates. The grading of the all-in-aggregate when analysed as described in IS: 2386 (Part I) shall be in accordance with **Table IV**.

**TABLE - IV**

I.S.Seive Designation	Percentage passing for all-in-aggregate	
	40mm Nominal size	20mm Nominal size
1	2	3
80 mm	100	
40 mm	95-100	100
20 mm	45-75	95-100
4.75 mm	25-45	30-50
600 micron	8-30	10-35
150 micron	0-6	0-6

- ii) *Gravel, for use as coarse aggregates in cement concrete work must be hard, absolutely free from surface coating and on being broken, the fractured surface must indicate a uniform and fine texture free from laminations or planes or weakness. It shall be thoroughly washed and free from any foreign elements.*
- (iii) *Jhama chips for cement concrete work shall be obtained by breaking good quality Jhama bats, must not be spongy or with any coating of foreign materials and should be homogeneous in texture. The chips shall be more or less cubicle in shape.*

*All coarse aggregates for concrete works must be well graded. These shall be screened for removal of dust and if so necessary in the opinion of the Engineer-in-Charge, shall be washed at the cost and expenses of the contractor.*

### **A—3 Coarse Aggregates for Lime concrete Works**

- (i) *Brick aggregates for lime concrete in foundation or flooring shall consist of approved, clean, hard and well-burnt Jhama khoa. The khoa be well graded and unless otherwise specified shall pass through 32 mm. ring.*
- (ii) *Brick aggregates for Lime Terracing work on roof shall consist of khoa broken from 1<sup>st</sup> class brick bats and unless otherwise specified shall pass through 25 mm ring and be suitably graded.*

***No jhama khoa should be used in lime terracing work.***

### **A—4 Sand**

*All sand shall be clean sharp and free from clay, loam, organic or any other foreign matter, shall be obtained from approved source. The contractor shall get the sample of sand to be used in different kinds of works approved by the Engineer-in-Charge before using the same in work. Sand which in the opinion of the Engineer-in-Charge or his representative is dirty, must be washed to his satisfaction at the cost and expenses of the contractor.*

- (i) *In Malda District only BANSLOI Sand should be used in all types of cement works. In Nadia and Murshidabad Districts, coarse sand from SAINTHIA only should be used in structural concrete works.*
- (ii) *Sand for all cement concrete work must be coarse. The sand shall pass through a mesh, 4.75 mm. square measured in the clear. Sand shall not be used for concrete works if it contains more than 10% of fine grains passing through a 76 mesh sieve as used for cement test, nor should the fineness modulus be less than 2.00 unless specific permission is obtained from the Engineer-in-Charge.*
- (iii) *Medium sand may be used for cement mortar, for masonry, plaster etc. fineness modulus shall be between 2 and 1.8.*
- (iv) *Sand filling in plinth or foundation where specified may be done with fine sand or Silver sand.*

#### **A-5 Surki:**

*Surki shall be made from well burnt 1<sup>st</sup> class brick bats, ground to pass through a mesh 2 mm, each way, and shall be perfectly clean and free from any foreign matter.*

#### **A-6 Lime:**

*All lime shall be freshly burnt and slaked and screened before use, the slaking should be done at site of work. Lime for works including roof terracing shall be Bisra, Satna or other approved stone lime.*

*The specification covers lime as used in construction of building and other structures as described below (refer IS. 712-1973).*

- (a) Quick-lime shall mean a calcined material, the major part of which is calcium oxide in natural association with a relatively small amount of magnesium oxide and capable of slaking with water.*
- (b) Fat lime shall mean the lime which has high calcium oxide content (between 95 and 100 percent) and is dependent for setting and hardening on the absorption of carbon dioxide from the atmosphere. This is defined as class—C in I.S.: 712-1973 which is used for finishing coat in plastering, white washing etc. and with addition of pozzolanic materials (surki) for masonry mortar.*
- (c) Hydraulic lime shall mean the lime which contains small quantities of silica and alumina and I or iron oxide which are in chemical combination with some of the calcium oxide content, giving a putty of mortar that has the property of setting and hardening under water.*
- (d) Hydrated lime shall mean a dry powder resulting from treatment of quick-lime with water enough to satisfy its chemical affinity for water under the conditions of hydration.*

#### **Classification of Lime**

*Class A: Eminently hydraulic lime (containing 25% to 30% of clay) used for foundations and other hydraulic structures, shall be supplied as hydrated lime only and should be used particularly in any masonry work below G.L. It should be noted that no masonry work below G.L. should be taken up with the use of any lime, other than specified hydraulic lime. In case of doubt if any in respect of hydraulic lime being used in work below G.L., it is preferable not to use lime mortar at all below G.L.*

*Class C: Fat lime is used mainly for lime punning, white washing and with suitable admixture, such as surki or any other pozzolanic material to produce artificial hydraulic mortar.*

#### **A—7 Cement :**

*No cement except those supplied by the department or approved by Engineer-in-Charge shall be used in work or brought to site by contractor. Cement bags must be stored in a water-tight shed having wooden floor or platforms raised at least 50 mm. from ground as approved by the Engineer-in-Charge. Cement which is partially set or which is lumpy or caked is to be treated as damaged and shall be removed from the site immediately.*

*For list of relevant IS Code for Cement to be used in work Page-B-64-65 of Volume-I & Clause 2.1.4 (Page-9) of Volume-III of Combined PWD Schedule and mandatory tests before use of Cement material into works are given in clause 3.0 (Page 188, 189 & 190) Volume-III of Combined PWD Schedule, may be seen.*

#### **A—8 Steel:**

*All steel shall be clean and free from loose mill scales, dust, loose rust and coats of paints, oil or other coatings. Any scale or loose rust shall be removed before use, even though the same may have been supplied by the Department without any claim for extra charge for the same. No steel excepting those supplied by the Department or approved by the Engineer-in-Charge shall be used in work or brought to site by the contractor.*

*For list of relevant IS Code for reinforcement in concrete page-B-66 of Volume-I & for structural steel clause 2.1.7.5 (Page-12) of Volume-III may be seen. Mandatory tests before use of steel materials into works are given in clause 2.0 Steel/ Iron (Page-185,186 & 187) Volume-III of Combined PWD Schedule, may be seen.*

#### **A-9 Timber:**

*All timber shall be of best quality well-seasoned and/or well-treated for preservation and protection against decay etc. It shall be uniform in substance, straight in fibre, free from large or dead knots, sap, flaws, sun-cracks, shakes or blemishes of any kind. Any insect damage or splits across the grain shall not be permissible. The colour of the timber shall be uniform throughout, firm and shining with a silky luster when planed and shall not emit dull sound when struck.*

#### **A-10 Glass:**

*All glasses shall be of the specified type, colour visibility and sound and shall be free from cracks, flaws, spick bubbles and blemishes and shall not weigh less than 7.4 kg/sqm unless otherwise specified.*

#### **A-11 Timber Doors, Windows etc. and their Fittings:**

- (i) Door and window work shall be carried out as per detailed drawings or as directed by the Engineer- in-Charge, Specified timber shall be used, and it shall be sawn in the direction of the grains and be straight and square.*
- (ii) Fittings shall be of iron, brass, and aluminium or as specified. These shall be well made, reasonably smooth and free from sharp edges, corners, flaws and other defects. Screw holes shall be counter sunk to suit the head of specified wood screws. Iron fittings shall be finished bright or black enameled or copper oxidised. Brass fitting shall be finished bright or, (brass) oxidised chromium plated (etc treated) & aluminium fittings shall be finished bright or anodised or as specified. Fittings shall be got approved by the Engineer-in-Charge before fixing. In case of renewal works, the new fitting shall, as far as possible, match with the existing ones. Screws shall be driven home with screw driver and not hammered in.*

#### **A-12 Fibre Reinforced Polymer (FRP) door shutter/frame:**

*The Polymer shall be either thermoplastic or thermo set resin, such as polyester, Isopolyester, Vinyl ester, epoxy or Phenolic base. The fibre moulded skins may be of glass or other synthetic (Carbon or aramid) or natural (jute or Coir) or other reinforcing materials.*

*The sandwich core to impart monolithic composite structures approved by Department of Science & Technology or similar competent Authority.*

**Testing:** *As per IS 4020 door testing performance criteria.*

**Frame without Core:** *Frames shall have intermittent stiffness for rigidity and will have provision for hinge fixing, including anchors.*

**Frame with Core:** *Such Composite frames will be filled with inner Core in addition to all the features mentioned for frame without Core.*

#### **A-13 Paint etc.:**

*All paints shall be delivered in strong containers, marked with the colour of the paint, brand, volume of paint content in litres and of the best quality of approved make and brand as approved by the Engineer-in-Charge. Under no circumstances shall the paint be diluted with Linseed oil or otherwise. Any paint or enamel although of approved brand, which so hardens in the container that it cannot be readily broken up with a stirrer to a*

*smooth uniform painting consistency, shall be rejected. Any paint or enamel too thick for proper brush application shall be rejected.*

## **(B) EXECUTION**

**GENERAL:** *All works shall be carried out in proper manner. Items of works not covered by the following shall be carried out as per best practice according to directions of the Engineer-in-Charge and to his satisfaction. Unless otherwise specified in this section or in the description of item, the cost of all stages of works mentioned hereunder shall be deemed to have been included in the rates of items provided in the Schedule.*

### **B—1 (a) Excavations of Foundation and Filling up Trenches:**

*(i) Foundation when excavated to the level shown in the drawing will be shown to the Engineer-in-Charge and if on account of bad ground or for any reason whatsoever he decides to go deeper with the foundation, the contractor shall excavate further to the depths required by the Engineer-in-Charge. In no case shall the foundation soling or concrete be laid prior to receiving orders to that effect from the Engineer-in-Charge or his authorised representative.*

*(ii) Excavating shall include throwing the excavated earth at least one metre or half the depth of excavation, whichever is more, clear of the edge.*

*(iii) The excavated areas around the foundation of structures are to be filled up properly to the required levels with earth obtained from excavation or other materials as directed, well rammed with water and consolidated in layers not exceeding 150 mm. at a time. The quantity for this item of work will be measured on the basis of quantity of excavation paid for less the volume occupied by the structure in foundation.*

#### **(b) Shoring:**

*(i) For loose earth and when the depth of excavation exceeds 3 metres, poling boards (vertical members) of 50 to 75 mm. in thickness and 175 to 225 mm. in width preferably of Sal-wood to be placed close together and to be driven about 300 mm. in ground below the bottom of the trench with intermediate sal-bullah piling of diameter not less than 100 mm. at the rate of 900 to 1000 mm. center to center to be placed in between the vertical surface of trench and the poling boards and double struts of sal-bullah of not less than 100 mm. in diameter between two wallings (horizontal member) of 250 mm. in width and 75 mm. in thickness held horizontally between them.*

*(ii) For medium clay and when the depth of excavation exceeds 2 metres but not exceeds 3 metres single struts will be provided and sal-bullah piling may not be placed. Other requirements are to be satisfied as (i) above.*

*(iii) For stiff clay or dry clay and when the excavation is within 2 metres, vertical poling boards will be placed at the rate of 600 to 1000 mm. apart with or without walling pieces; but single or double strutting will be provided. Other requirements are to be satisfied as per (i) above.*

### **B-2 Lime Terracing:**

*Lime terracing on roof shall be composed of brick aggregate of 25 mm. (nominal) size unless otherwise specified, surki and Bisra or Satna lime in the specified proportion.*

*Lime concrete shall be laid (and not thrown) in a single layer and spread and rammed, with wooden rammers of weight not exceeding 2 kg. to the specified average thickness, slopes and levels. The*



*concrete shall be used when it is quite fresh. Concrete left over from the previous day's work shall in no circumstances be used. During this preliminary ramming the surface shall be tested and kept perfectly true to slope, line and level and even by means of a trowel, straight edge and spirit level. The concrete shall then be further consolidated by two rows of labourers sitting close and beating the concrete in union with wooden thappies (weight 1 to 2 kg.) across the entire width of the roof and thus slowly traversing the length of the roof. Special care shall be taken to consolidate the concrete properly at its junction with the parapet wall. This beating shall be continued for three to four days or more until the mortar is almost set and the wooden thappies rebound from the surface readily when struck on it, causing a ringing sound to emit.*

*During the operation of mixing, "Kunji" water is to be sprinkled and allowed to soak well in. Lime water must be continuously sprinkled on the terracing to keep it wet whilst being beaten. The mortar which comes to the surface of the terracing during the beating shall be rendered smooth and finished off with lime rubbing and afterwards with oil. Concrete shall be kept wet after each day's work by spreading straw and watering very frequently, so as to ensure thorough setting of the concrete.*

*Mouths of rain water pipes shall be properly finished as per direction. The slope of the finished terrace shall not be less than 1 in 48 unless a flatter slope is desired by the Engineer-in-Charge. The roof surface shall slope from all sides towards the outlets. The minimum thickness of concrete at junction with parapet shall be 75 mm. and shall be rounded. The concrete should be leak-proof and free from cracks.*

*Payment will be made on the basis of average finished thickness after consolidation.*

### **B-3 Cement concrete Works (Plain or Reinforced):**

- (i) **Shuttering and Staging:** *Wherever necessary, shuttering and staging must be provided. Unless otherwise stated no payment will be made for such shuttering or staging and the cost thereof will be deemed to have been covered by the rate for relevant finished item of work. Where payment for shuttering has been specified, the rate shall be deemed to cover the cost of the necessary staging as well. Payment, if any, for shuttering will be on the basis of surface area of shuttering in actual contact with concrete.*

*Shuttering may be of approved dressed timber true to line, not less than 25 mm. thick. Surface to be in contact with concrete are to be planed smooth except where otherwise stated. As an alternative, sufficiently rigid steel shuttering may be used. In every case, joints of the shuttering are to be such as to prevent the loss of liquid from concrete. In timber shuttering the joints must be perfectly closed and the entire shuttering surface shall be covered with polythene sheets of approved quality. In case of steel shuttering also the joints are to be similarly lined.*

*All shuttering and framing must adequately be stayed and braced to the satisfaction of the Engineer-in-Charge for properly supporting the concrete during the period of hardening. It shall be so constructed that it may be removed without shock or vibration to the concrete.*

*Before the concrete is placed, the shuttering shall, if considered necessary be coated with and approved preparation for preventing the adhesion of the concrete to the moulds, and it is to be of such a nature and so applied that the surface of the finished concrete is not stained. Care shall also be taken that such approved preparation shall be kept out of contact with the reinforcement.*



*In no circumstances shall forms be struck until the concrete reaches strength of at least twice the stress of which the concrete may be subjected at the time of striking.*

*Interior of all moulds and boxes must be thoroughly washed out with a hosepipe or otherwise so as to be perfectly clean and free from all extraneous matter prior to the deposition of concrete.*

*All form works shall be removed without shock or vibration. Before the form work is stripped, the concrete surface shall be exposed where necessary in order to ascertain that the concrete has hardened sufficiently. In normal weather and with ordinary cement, vertical or side shuttering may be removed after three days and the bottom shuttering of horizontal members after fourteen days in case of slabs and twenty one days in case of beams and cantilevers etc. from the date of placing the last portion of the concrete in the structure. The above are the minimum and may be extended if found necessary. Before stripping the shuttering of structural members the contractor shall take prior permission of the Engineer-in-Charge or his representative.*

*No plugs, bolts, ties, hold fasts or any other appliances whatsoever for the purpose of supporting the shuttering are to be fixed in the structure or placed in such a way that damage might result to the work in removing the same when the shuttering is struck.*

- (ii) **Scaffolding:** *The scaffolding must be strong and rigid stiffened with necessary cross bracers and always decked and boarded on the sills with close boarded veiling and swings to prevent any injury to persons or materials. The contractor shall have to allow other traders to make reasonable use of his scaffolding as and when directed by the Engineer-in-Charge.*

*If for the interest of the work contractors have to erect scaffolding in other's properties including local bodies or corporation, the arrangement for the same including the cost of licensing fees etc. shall have to be borne by the contractor and the department should be kept free from any liability on this account.*

- (iii) **Mixing, Placing and Compacting:** *The proportion specified is by volume in dry rodded condition of the different constituents.*

*Boxes of suitable sizes shall be used for measuring sand and aggregate. The unit of measurement for cement shall be bag of cement weighing 50 Kg. and this shall be taken as 0.035 cubic metre while measuring the aggregate, shaking, ramming or hammering shall not be done. The proportioning of sand shall be on the basis of its dry volume and in case of damp sand allowances for bulkage be made. **The aggregate in each batch of concrete are to be proportioned as to contain full bags of cement.***

*Normally all structural concrete shall be mixed in mixture machine in appropriate proportion, shall have to be vibrated with suitable vibrator. Mixing shall be continued until there is uniform distribution of the materials and the mass is uniform in colour and consistency, but in no case mixing shall be done for less than two minutes. The rates appearing in the Schedule of Rates against such items are inclusive of hire and operational charges of such appliances. For a particular job the Engineer-in-Charge may allow hand mixing and or hand tapping of concrete In case of hand mixing concrete, extra cement up to 10% over*

*the standard requirement of cement for machine mix of particular mix shall have to be provided by the contractor at his own cost.*

*As the bulking of sand may vary from day to day and at different parts of the day on account of varying moisture content, frequent tests for bulking shall be carried out with the sand to be used and amount of bulking allowed for in the field mix so as to keep the actual proportion constant through- out.*

*Only such quantities as are required for immediate use are to be mixed at any one time. Sufficient water is to be added to obtain proper workability so that the mixture may flow readily round the reinforcement and into every part of the moulds. The workability shall be measured by the amount of slump.*

*The quantity of water to be used for each mix of 50 kg cement to give the required consistency shall not be more than 34 litres for 1:3:6 mix, 32 litres for 1:2:4 mix, 30 litres for 1:1½:3 mix and 27 litres for 1:1:2 mix. In the case of vibrated concrete, the limit specified may be suitably reduced to avoid segregation.*

***Nominal Mix Concrete** may be used for concrete of M20 or lower. The proportions of materials for nominal mix concrete shall be in accordance with the following table.*

***Proportions for Nominal Mix Concrete***

<i>Grade of Concrete</i>	<i>Total Quantity of Dry Aggregates by Mass per 50 Kg of Cement, to be Taken as the Sum of the Individual Masses of fine and Coarse Aggregates. Kg. Max</i>	<i>Proportion of Fine Aggregate to Coarse Aggregate (by Mass)</i>	<i>Quantity of Water per 50 Kg of Cement, KG., Max</i>
<i>M 5</i>	<i>800</i>	<i>Generally 1:2 but subject to an upper limit of 1 : 1½ and lower limit of 1:2½</i>	<i>60</i>
<i>M 7.5</i>	<i>625</i>		<i>45</i>
<i>M 10</i>	<i>480</i>		<i>34</i>
<i>M 15</i>	<i>330</i>		<i>32</i>
<i>M 20</i>	<i>250</i>		<i>30</i>

***Note:*** *The proportion of the aggregates should be adjusted from upper limit to lower limit progressively as the grading of the aggregates becomes finer and the maximum size of coarse aggregate become larger. Graded coarse aggregate shall be used.*

***Example:*** *For an average of fine aggregate (that is, Zone II). The proportions shall be 1:½, 1:2 and 1:2½ for maximum size of aggregates 10 mm, 20 mm and 40 mm respectively.*

*The total water content in each batch of concrete shall always be kept constant as the amount previously determined by experiments. The quantity of water to be actually added may, therefore, vary depending on moisture content in the aggregates. In actual job, if the quantities of the ingredients remain constant, the amount of slump may be taken as a good guide indicating the total water content in the mixture. The consistency and consequently the water content of the concrete shall therefore be kept constant and checked from time to time as work proceeds, by means of standard slump test. The slump tests shall be carried out with concrete*

*immediately after it has been mixed and before any initial set has commenced, the sample being taken preferably at the point where the concrete is being delivered for placing in the moulds.*

*The mould shall then be removed by rising vertically immediately after filling. The moulded concrete shall then be allowed to subside and the height of the specimen measured after coming to rest*

*The consistency shall be recorded in terms of millimeters of the subsidence of the specimen during the test, which is known as slump.*

*The following slumps shall be adopted for different works.*

Sl. No	Type of Work	SLUMPS	
		When vibrator are used	When vibrators are not used
1.	Mass concrete in foundation footings, retaining walls and pavements	10 to 25 mm.	50 to 75 mm.
2	Mass concrete in RCC foundation, footing and retaining walls.	10 to 25 mm.	80 mm.
3.	Beams, slabs and columns simply reinforced	25 to 40 mm.	100 to 125 mm.
4.	Thin RCC section or section with congested steel	40 to 50 mm.	125 to 150 mm

*I. S.: 456-2000 allows use of nominal mix of concrete upto grade M20 and may be allowed in works at the discretion of Engineer-in-Charge and will be guided by the provision of IS 456-2000. For grade of concrete above M20, design mix has to be adopted. For determination of mix proportion for design mix concrete, the target strength should be higher than the specified characteristic strength to ensure that characteristic strength is attained at 28 days at site. According to Explanatory Hand Book on IS 456-1978 (S.P. 24—1983):*

*Target Strength = Characteristic strength + 1.65 x standard deviation.*

*Standard deviation for different grades of concrete in absence of any test may be taken as per IS: 456 — 2000 as follows:*

<i>Grade of Concrete</i>	<i>Assumed Standard Deviation N/mm<sup>2</sup></i>
<i>M 10</i>	<i>3.5</i>
<i>M 15</i>	<i>3.5</i>
<i>M 20</i>	<i>4.0</i>
<i>M 25</i>	<i>4.0</i>
<i>M 30</i>	<i>5.0</i>

Once the target strength of cube moulds with specific mix design is obtained in the laboratory, it may be inferred that the corresponding characteristic strength of concrete, prepared with the materials used in the test mould(s) cured under identical condition as that of the test specimen, shall be obtained at site at 28 days. The Explanatory Hand Book on IS: 456—1978 (S.P.-24-1983) provides an approximate formula for expressing the strength of concrete at age 't' (in days),

$$f_t = \frac{t}{a + bt} f_{28} \text{ where } f_{28} \text{ is the strength at 28 days.}$$

$$f_t = \text{strength of concrete at any age 't' (in days), } a = 4.7 \text{ and } b = 0.833$$

#### **ACCEPTANCE CRITERIA:**

The concrete shall be deemed to comply with the strength requirements when both the following conditions are met:

- The mean strength determined from any group of four non overlapping consecutive test results complies with the appropriate limits, in Col. 2 of following table.
- Any individual test result complies with the appropriate limits in Col. 3 of following table.

#### **Characteristic Compressive Strength Compliance Requirement**

<i>Specified Grade</i>	<i>Mean of the Group of 4 Non-Overlapping Consecutive Test Results in N/mm<sup>2</sup></i>	<i>Individual Test Result in N/mm<sup>2</sup></i>
<i>M 15</i>	$= f_{ck} + 0.825 \times \text{established standard deviation}$ (rounded off to nearest 0.5 N/mm <sup>2</sup> ) <i>Or</i> $f_{ck} + 3 \text{ N/mm}^2$ <i>Whichever is greater</i>	$= f_{ck} - 3 \text{ N/mm}^2$
<i>M 20 or above</i>	$= f_{ck} + 0.825 \times \text{established standard deviation}$ (rounded off to nearest 0.5 N/mm <sup>2</sup> ) <i>Or</i> $f_{ck} + 4 \text{ N/mm}^2$ <i>Whichever is greater</i>	$= f_{ck} - 4 \text{ N/mm}^2$

**Note:** In the absence of established value of standard deviation, the values given in relevant Table may be assumed, and attempt should be made to obtain results of 30 samples as early as possible to establish value of standard deviation.

Concrete of each grade shall be assessed separately. Concrete shall be assessed daily for compliance.

Providing a proper construction joint; (iii) the reinforcement has been displaced beyond the tolerances specified; or (iv) construction tolerances have not been met. However, the hardened concrete may be accepted after carrying out suitable remedial measures to the satisfaction of the Engineer-in-Charge.

**Frequency of sampling:**

**Sampling Procedure**—a random sampling procedure shall be adopted to ensure that each concrete batch shall have a reasonable chance of being tested; that is, the sampling should be spread over the entire period of concreting and cover all mixing units.

**Frequency-** The minimum frequency of sampling of concrete of each grade shall be in accordance with the following:

Quantity of concrete in the Work, Cu.m.	Number of Samples
1-5	1
6-15	2
16-30	3
31-50	4
51 and above	4 Plus one additional sample for each additional 50m <sup>3</sup> or part thereof

**TEST SPECIFICATION**—The test specimens shall be made from each sample for testing at 28 days. Additional cubes may be required for various purposes such as to determine the strength of concrete at 7 days or at the time of striking the form work, or to determine the duration of curing, or to check the testing error. Additional cubes may also be required for testing cubes cured by accelerated methods as described in IS: 9013—1978. The specimen shall be tested as described in IS: 516-1959.

**TEST STRENGTH OF SAMPLE**—The test strength of the samples shall be the average of the strength of three specimens. The individual variation should not be more than  $\pm 15$  percent of the average.

Concrete shall be handled from the place of mixing to the place of final deposit as rapidly as practicable by methods which will prevent the segregation or loss of the ingredients. It shall be deposited as nearly as practicable in the final position to avoid re-handling or flowing. Unless specially permitted by the Engineer-in-Charge, concrete shall not be dropped freely from a height of more than 2 metres. Before placing the concrete, the moulds should be cleaned of shavings, pieces of wood or other rubbish.

*When placing the concrete the finer materials must be carefully worked against the moulds so that the faces of concrete shall be left perfectly smooth and free from honey-combing upon withdrawal of the moulds. Any defect in this respect must be dealt with by the contractor as directed by the Engineer-in-Charge without any extra charges thereof.*

*Depositing concrete under water shall not be allowed without specific permission from the Engineer-in-Charge. The method of concreting to be adopted in such cases shall have to be previously approved by him.*

*During placing and also immediately after deposition, the concrete shall be thoroughly compacted by ramming, spearing etc. until it has been made to penetrate and fill all the spaces between and around the steel rods, around embedded fixtures, and into the corners of formwork in such a manner as to ensure a solid mass entirely free from voids. If so directed by the Engineer-in-Charge, in addition to usual ramming, spearing etc. sufficient number and suitable type of vibrators may have to be used on important jobs to enable working with homogeneity. It is imperative that the work should be done quickly as well as efficiently and adequate number of hands must therefore be employed to ensure this.*

*Concrete shall be placed and compacted in its final position before setting has commenced and shall not subsequently be disturbed.*

*Concreting shall be carried out continuously up to construction joints, the position and arrangement of which shall be predetermined by the Engineer-in-Charge or his representative. Any rest, pauses, such as for meal, shall also be subject to his approval. All concreting work should be so programmed as not to necessitate work at night. If for any reason this becomes imperative, the contractor shall obtain previous permission of the Engineer-in-Charge or representative and make proper lighting arrangements, at own cost, to his satisfaction.*

- (iv) Protection and Curing:** *The contractor shall adequately protect freshly laid concrete, about 1 to 2 hours after its laying from too rapid drying due to sunshine, drying winds etc. and also from rains or surface water and shocks. About 24 hours after laying of concrete, the surface shall be cured by flooding with water of minimum 25 mm. depth or by covering with wet absorbent materials. The curing shall be done for a minimum period of 7 days. Over the foundation concrete the masonry work may be started after 48 hours of its laying, but the curing of cement concrete shall be continued along with masonry work for a minimum period of 7 days.*

*In case of cement concrete used as sub-grade for flooring, the flooring may be commenced with 48 hours of the laying of sub-grade. In case it is not possible to do so due to exigencies of work, the subgrade shall be roughened with steel wire brush without disturbing the concrete, wetted with neat cement slurry at the rate of 1.75 kg of cement per square metre applied to the base before laying floor, and full rate of artificial stone flooring/mosaic will be paid with the specific orders of the Engineer-in-Charge. The curing to be continued along with top layer of flooring for a minimum period of 7 days.*



- (v) **Construction Joints:** All joints in slabs and other horizontal members are to be formed by inserting vertical boards against which the concrete deposited can be properly rammed. The position where such joints may be made will be indicated by the Engineer-in-Charge or his representative.

*In the case of horizontal joint any excess mortar or laitance shall be moved from the surface after the concrete is deposited and before it has set.*

*When the work has to be commenced on a surface which has hardened, such surface shall be well roughened and all laitance removed; the surface shall then be swept clean, thoroughly wetted and covered with a thin layer of mortar composed of equal volumes of cement and sand. Such works shall be deemed to be covered by the rates for concrete.*

- (vi) **Minimum Crushing Strength:** For major RCC work, (where concrete is specified by strength) the mix should not be leaner than 1:11/ :3 so as to give ultimate crushing strength not less than 25 N/Sq. mm. at 28 days cured under field condition. The mix for the concrete is to be so adopted and the slump is to be so allowed as to give specified strength and proper workability at the existing site conditions. Contractor shall remain fully responsible for producing concrete of specified strength in the actual job and therefore cast at his own cost test specimens of 15 cm. Cube as already specified during work and cure the same in similar way as for laid concrete being tested for strength. Each set of test specimen shall be taken to cover the quantity of concrete laid on the job during the period from the time of taking the previous set of specimens and the quantity will be estimated by the Engineer-in-Charge from records maintained by him.

*The interior surface of the mould and base plate shall be lightly oiled before the concrete is placed in the mould.*

**(a) Compacting**—The test specimens shall be made as soon as practicable after mixing and in such a way as to produce full compaction of the concrete with neither segregation nor excessive laitance. The concrete shall be filled into the mould in layers approximately 5 cm deep. In placing each scoopful of concrete, the scoop shall be moved around the top edge of the mould as the concrete slides from it, in order to ensure a symmetrical distribution of the concrete within the mould. Each layer shall be compacted either by hand or by vibration. After the top layer has been compacted, the surface of the concrete shall be finished level with the top of the mould, using a trowel, and covered with a glass or metal plate to prevent evaporation.

**Compacting by Hand** - When compacting by hand, the standard tamping bar shall be used and the strokes of the bar shall be distributed in a uniform manner over the cross—section of the mould. The number of strokes per layer required to produce specified conditions will vary according to the type of concrete. For cubical specimens, in no case shall the concrete be subjected to less than 35 strokes per layer for 15 cm cubes or 25 strokes per layer for 10 cm cubes. For cylindrical specimens, the number of strokes shall not be less than 30 per layer. The strokes shall penetrate into the underlying layer and the bottom layer shall be rodded

*throughout its depth. Where voids are left by the tamping bar, the sides of the mould shall be tapped close the voids.*

*(b) When the job concrete is placed by vibration and consistency of the concrete is such that the test specimens cannot be properly moulded by hand rodding as described under (a) above, the specimens shall be vibrated to give a compaction corresponding to that of the job concrete. The fresh concrete shall be placed in the mould in two layers, each approximately half the volume of mould. In placing each scoopful of concrete, the scoop shall be moved around the top edge of the mould as the concrete there slides from it, in order to ensure a symmetrical distribution of concrete within the mould. Either internal or external vibrator may be used. The vibration of each layer shall not be continued longer than what is necessary to secure the required density. Internal vibrators shall be of appropriate size and shall penetrate only the layer to be compacted. In compacting the first layer, the vibrators shall not be allowed to rest on the bottom of the mould. In placing the concrete for the top layer, the mould shall be filled to the extent that there will be no mortar loss during vibration. After vibrating the second layer, enough concrete shall be added to bring the level above the top of the mould. The surface of the concrete shall then be struck off with a trowel and covered with a glass or steel plate as specified under (a) above. The whole process of moulding shall be carried out in such a manner as to preclude the alternation of water cement ratio of the concrete by loss of water either by leakage from the bottom or overflow from the top of the mould.*

**Curing** - *The test specimens shall be stored on the site at a place free from vibration, under damp matting, sacks or other similar material for 24 hours  $\pm \frac{1}{2}$  hour from the time of adding the water to the other ingredients. The temperature of the place of storage shall be within the range of 22<sup>0</sup> to 32<sup>0</sup>C. After the period of 24 hours, they shall be marked for later identification removed from the moulds and unless required for testing within 24 hours, stored in clean water at a temperature of 24<sup>0</sup> C to 30<sup>0</sup>C until they are transported to the testing laboratory. They shall be sent to the testing laboratory well packed in damp sand, damp sacks, or other suitable material so as to arrive there in a damp condition not less than 24 hours before the time of test. On arrival at the testing laboratory, the specimens shall be stored in water at a temperature of 27<sup>0</sup>  $\pm$  2<sup>0</sup>C until the time of test, records of the daily maximum and minimum temperature shall be kept during the period of the specimens remain on the site and in the laboratory.*

*After curing, the specimen suitably marked and properly wrapped shall be made over to the Engineer-in-Charge or his representative who will arrange to have them tested at 28 days from the date of casting. If there be any delay for any reason whatsoever the result of the test shall nevertheless be valid and will be applicable as per rules in each case for all test specimens ns whatsoever. The contractor shall be responsible for proper packing of the specimens at his own cost, for safe and convenient transport of the same from the site to the testing laboratory. The cost of testing the test moulds and other charges including cost of carriage of the test moulds from the work site to the particular laboratory (both ways) and other incidental charges in this connection will have to be borne by contractor.*

*In case of concrete showing, on the result of the cube tests, strength less than that specified in (a) and (b) of the Acceptance Criteria but has a strength greater than (c) & (d) of the said Acceptance Criteria concrete may, at the discretion of the Engineer-in-Charge, be accepted as being structurally adequate without further testing.*



*If the concrete is deemed not to comply pursuant to (c) & (d) of the Acceptance Criteria, the Structural adequacy of the parts affected may be investigated as per provision of I.S. 456-latest revision i.e. core test and/ or load test, as the case may be before rejection on the application of the Contractor with the undertaking to bear the cost of such tests. If the strength of concrete is such that it satisfies provisions made in relevant of 16.3.3 and/or sub-clause 16.5.3 of I.S. 456-1978, concrete in the member represented by such tests shall be considered acceptable but the Engineer-in-Charge shall have the full power to fix the rate of deduction @ Rs.200/- per cubic metre.*

*In case the test results do not satisfy the relevant requirement of the preceding paragraph, the volume of concrete so deficient shall be deemed to be un-acceptable and shall be removed from the structure and replaced by fresh concrete to specified strength and the contractor shall, in that case, have to carry out the instruction of the Engineer-in-Charge irrespective of the amount of loss, inconvenience and difficulties involved.*

*The contractor shall remain liable to act/to carry out instructions under the provision of this clause, notwithstanding issuing of any certificate or the passing of any bills or accounts by the Engineer-in-Charge.*

**(vii) Rehabilitation of Concrete** *For rehabilitation of Concrete Structures the following essential steps are to be followed*

*(a) To remove the loose concrete/plaster until hard and sound surface is exposed.*

*(b) To remove all rusts by wire brush or sand blasting.*

*(c) To apply two coats of cement based Polymer modified anti corrosive protective coating to exposed reinforcement (manufacturer's specification is to be strictly followed).*

*(d) If diameter of bar is reduced by more than 25%, additional bar equivalent to 50% area of existing bar is to be added by lapping/welding as deemed fit by Design wing.*

*(e) (i) The exposed hard concrete surface is to be saturated with clean water and a bond coat of Cement slurry duly admixed with water resistant bonding agent.*

*Or*

*(ii) For concrete beam /column if found necessary by Engineer-in-Charge the surface may be treated by epoxy based reactive agent for jointing fresh concrete with old surface.*

**Note:** *In both cases manufacturer's specification is to be strictly followed. It is desirable that representative of the manufacturer supervises the special job and certify that the work is done as per specification.*

**(f)** *(i) For Slab / Chhaja / Weatherboard: To fill up the removed part of Concrete / Plaster fresh Concrete / Plaster admixed with the water resistant bonding agent as per Manufacturer's specification within the time the bond coat remains fresh or tacky. The admixed material shall have to be applied within 30 minutes of preparation or as specified in literature.*

- (ii) *For Beams / Columns: To fill up the removed part of concrete with fresh concrete with water proofing plasticising admixture as per manufacturer's specification.*

- (g) *To cure the concrete surface for 3 days.*

**B-4      1<sup>st</sup> Class Brickwork:**

*Cement mortar shall be prepared by mixing sand and cement in specified proportion. Sand shall be measured on the basis of its dry volume. In case of damp sand, its quantity shall be increased suitably to allow for bulkage.*

*Brick shall be laid in English bond. The brick shall be laid by layering method. A layer of mortar shall be spread on full width for suitable length of the lower courses. Each brick shall first be laid so as to project over the one below. Both at the end and at the side, then pressed into the mortar and shoved into final position so as to embed the brick and to fill its inside face fully with mortar. Cut bricks shall not be used except where necessary.*

*The walls shall be taken up true to plumb with plumb bob. The thickness of brick courses shall be kept uniform and for this purpose, wooden straight edge with graduations giving thickness of each brick course including joint shall be used. All courses shall be laid truly horizontal and all vertical joints shall be truly vertical. Vertical joints in alternate course shall come directly one over the other. A set of tools comprising wooden straight edge, mason's spirit level, square, half metre rule, line and pins, string and plumb shall be kept for every 3 masons for frequent checking during progress of work. Faces of walls found not in plumb shall be dismantled.*

*Both the faces of walls of thickness greater than 25 cm. shall be kept in proper plane. All the connected brickwork shall be carried out nearly at one level and no portion of the work shall be left more than 1 metre below the rest of the work. Where this is not possible, the work shall be racked according to bond (and not left toothed) at an angle not steeper than 45°*

*Bricks shall be so laid that all joints are quite full of mortar. The thickness of joints shall not exceed 10 mm. Bricks shall be laid with frogs upward except in the top course where frog shall be placed downward. The face joints shall be racked to a minimum depth of 15 mm. by racking tools daily during the progress of work when the mortar is still green, so as to provide key for plaster or pointing to be done. Where plastering or pointing is not required to be done, the joints shall be struck flush and finished at the time of laying.*

*The face of brickwork shall be cleaned the very day that brickwork is laid daily and all mortar droppings removed.*

*Green work shall be protected from rain by suitable covering. The brickwork shall be kept wet for a period of at least 7 days. The top of masonry work shall be left flooded at the close of the day.*

*Scaffolding shall be sound and strong and holes left in masonry work for supporting the scaffolding shall be filled and made good, before plastering.*

#### **B—5 Damp Proof Courses:**

*This shall be laid to specified thickness over walls for the full thickness of the super structure walls. The surface shall be leveled and prepared before laying the cement concrete. Edges of damp proof course shall be straight, even and vertical. Side shuttering shall consist of wooden form and shall be strong and properly fixed so that it does not get disturbed during compaction and the mortar does not leak through. The concrete mix shall be of workable consistency and shall be tamped thoroughly to make a dense mass. When the sides are removed, the surface should come out smooth without any honey-combing. The damp proof course shall be laid continuous and the surface shall be double chequered. Damp proof course shall be cured for at least seven days, after which it shall be allowed to dry. Water proofing materials of approved quality shall be added to concrete mixture in accordance with the manufacturer's specifications stating the quantity for water proofing materials in litres or kg. per 50 kg. of cement and will be paid for separately. Similarly, polymer based paint used under damp proof course as per manufacturer's specification shall also be paid separately.*

#### **B-6 Cement plaster:**

*The proportion of mortar of exterior or interior plaster shall be as specified in the items of work.*

*The plaster shall be of thickness as specified and the surface shall be similarly cured as for cement concrete. The moulding shall be carried out as shown in the drawing and shall be separately measured in overall length unless otherwise specified in the items. Interior corners and edges of openings if so directed by the Engineer-in-Charge shall be rounded off or chamfered with the same mortar for which no extra payment will be allowed. All cement concrete surface should be chipped off properly before taking up the plastering work.*

#### **B-7 Artificial Stone Floorings:**

*The artificial stone flooring shall be laid **in panels of shape and size as directed**. The casting of the panels will be so programmed as to prevent bonding of the freshly laid panel with adjacent panels.*

*Unless otherwise specified, the underlay shall be with graded stone chips 12 mm. down, the thickness of topping shall be of 3mm. thick and colouring pigment as may be required shall only be added with the topping. The topping and the underlay shall not be laid in one operation. After laying the 'Underlay' the surface shall be left out to dry. The topping shall be laid only after the underlay has sufficiently dried and initially set and after thoroughly brushing with hand wire brush and sweeping clean and after application of slurry. The topping shall be finished with an English trowel and a piece of clean dry linen. During all the stages, the required level shall be carefully observed and maintained. Suitable grading, where required, shall be provided in the flooring for water drainage as directed by the Engineer- in-Charge.*

*The corner between floor and wall shall be rounded off if so directed by the Engineer-in-Charge for which no separate payment shall be made. All cement concrete surface should be chipped off properly before taking up the flooring work.*

## **B-8 Rain Water Pipes:**

*The rain water pipes shall be of the materials and of the sizes as specified. All rainwater pipes shall have suitable grating as directed at the inlet opening at roof and shall be fitted and fixed in proper position with necessary offsets, clamps, shoe, Y-junctions and other accessories as required and as directed by the Engineer-in- Charge. The pipes are to be fixed to walls in cement mortar (1: 4 with necessary clamps and nails, suitable teak wood blocks being fixed on the walls to receive the nails. Y- Junction shall be used at the top of the pipe and the vertical leg thereof shall be provided with a cowl. All joints are to be properly packed. In case the hole is made much larger than the size of the pipe, cement concrete (1:2:4) shall be used to fill the annular space. The pipes with fittings etc. are to be painted with 2 coats of paints as approved by the Engineer-in-Charge.*

## **B-9 White Washing, Colour Washing:**

***Preparation of surface:*** All surfaces for white washing, colour washing, painting shall be thoroughly brushed free from mortar droppings and foreign matter and prepared to the satisfaction of Engineer-in-Charge, before application of the treatment

*Before white washing all the nails etc. have to be removed from the walls and all nail or other holes, small depressions or damages in plaster of wall surface shall be filled or repaired to original condition with lime paste.*

*Old surfaces spoiled by smoke and greasy shoots shall be sprinkled with surki and water and rubbed with brickbats or steel wire brushes or steel scrapers. The surface shall then be broomed to remove all dust and shall be washed with clean water.*

***Preparation of white wash:*** The white washing is to be done with 5 parts of stone lime and one part of shell lime with necessary gum (2 Kg. per Cu.M. of lime) using indigo as necessary and to be mixed as per standard practice.

***Preparation of colour wash:*** Colour washing shall have a primer of white wash and shall be of shade as approved by the Engineer-in-Charge, sufficient quantity of colour wash enough for complete job shall be prepared in one operation to avoid any difference in shade.

*Procedure and preparation of the surface shall be same as in white washing.*

***Application of white wash and colour wash :*** The operation for each coat shall consist of four consecutive strokes of the brush, one horizontally from right to left and the next from left to right and the third stroke bottom to upward and the fourth from top to down ward before the previous stroke dries. Each coat shall be allowed to dry before the next coat applied. No portion of the surface shall be left out initially to be patched up later on. The brush shall be dipped in white wash or colour wash, pressed lightly against the wall of the container and then applied by lightly pressing against the surface with full swing of hand.

*The white wash on ceiling should be done prior to that on walls.*

**Protective Measures :** Surfaces of doors, windows, floors, articles of furniture, beams, burghas etc. and such other parts of the building not to be white or colour washed shall be protected from being splashed upon. Such surfaces shall be cleaned of white or colour wash splashes, if any

#### **B -10 Dry Distempering:**

Dry distemper of approved brand and manufacture shall be used. The shade shall be got approved from the Engineer-in-Charge before application of the distemper. The dry distemper shall be stirred slowly in clean water using 6 deciliters of water per kg. of distemper or as specified by the manufacturer. Warm water shall preferably be used. It shall be allowed to stand for at least 30 minutes (or if practicable over night) before use. The mixture shall be well stirred before and during use to maintain an even consistency. Distemper shall not be mixed in larger quantity than is actually required for one day's work.

Before new work is distempered, the surface shall be thoroughly brushed free from mortar droppings and other foreign matter and sand papered smooth. New plaster surface shall be allowed to dry for at least two months, before applying distemper. In the case of old work, all loose pieces and scales shall be removed by sand papering. The surface shall be cleaned of all grease, dirt etc. Pitting in plaster shall be made good with plaster of paris mixed with dry distemper of the colour to be used. The surface shall then be rubbed down again with a fine grade Sand paper and made smooth. A coat of the distemper shall be applied over the patches. The surface shall be allowed to dry thoroughly before the regular coat of distemper is applied. The priming coat of whiting shall be applied and no white washing coat shall be used as a priming coat for distemper.

Whiting (ground white chalk) shall be dissolved in sufficient quantity of warm water and thoroughly stirred to form thin slurry which shall then be screened through a clean coarse cloth, Two kg. of gum and 0.4 kg. of copper sulphate dissolved separately in hot water be added for every Cu.m. of the slurry which shall then be diluted with water to the consistency of milk so as to make as wash ready for use. The treated surface shall be allowed to dry before distemper coat is given. In the case of new work, the treatment shall consist of a priming coat of whiting followed by the application of two or more coats of distemper till the surface shows an even colour. For old work the surface is to be prepared as described above and one or more coats of distemper shall be applied till the surface attains an even colour. The application of each coat shall be as follows: The entire surface shall be coated with the mixture uniformly, with proper distemper brushes (ordinary white wash brushes shall not be allowed) in horizontal strokes followed immediately by vertical ones which together shall constitute one coat. The subsequent coats shall be applied only after the previous coat has dried. The finished surface shall be even and uniform and shall show no brush marks. Enough distemper shall be mixed to finish one room at a time. The application of a coat in each room shall be finished in one operation and no work shall be started in any room, which cannot be completed the same day. After each day's work, the brushes shall be washed in hot water and hung down to dry. Old brushes which are dirty or caked with distemper shall not be used.

#### **B-11 Painting:**

All surfaces for painting shall be properly sand papered and cleaned and where necessary good quality putty shall be used to hide all holes, cracks, open joints etc. The rate for painting includes such work.



*Paint shall be applied with approved brushes and surfaces shall be sand papered after every coat. All work when completed shall present a smooth, clean solid and uniform surface, to the satisfaction of the Engineer-in-Charge.*

- (a) **Primer:** All surfaces for painting, if they are new, should have a coat of priming before application of the paint. Old surfaces where existing paints have been completely worn out owing to long use should also receive a coat of priming before application of fresh painting.*
- (i) **Wood primer:** Wood primer of approved brand and manufacture is to be applied on the wooden surface, which would be free from moisture and loose particles.*
- (ii) **Steel Primer:** For steel surface red oxide primer, zinc chromate primer of approved brand and manufacture and as per direction of the Engineer-in-Charge is to be applied on the surface. The surface should be made free of grease, rust, moisture and loose particles.*
- (iii) **Acrylic Primer Coat (solvent based Primer) :** Acrylic primer coat is to be used as base coat on wall finish of cement, lime or lime cement plaster surface before application of any wall coating e.g. distemper, oil based paints, synthetic enamel, acrylic emulsion etc. on them. Priming coat shall be preferably applied by brushing and not by spraying. Hurried priming shall be avoided particularly on absorbent surface. New plaster patches in old work before applying distemper paints etc. should also be treated with acrylic primer. The surface shall then be allowed to dry for at least 48 hours. It shall then be sand papered to give a smooth and even surface. Any unevenness shall be made good by applying putty, made of plaster of paris mixed with water on the entire surface including filling up the undulation and then Sand papering the same after it is dry. The cement primer shall be applied with a brush on the clean dry and smooth surface. Horizontal strokes shall be given first, vertical strokes shall be applied immediately afterwards. The entire operation will constitute one coat. The surface shall be finished as uniformly as possible leaving no brush marks. It shall be allowed to dry for at least 48 hours before oil bound distemper or paint is applied.*
- (b) **Synthetic Enamel Paint:** Synthetic enamel paint of approved brand and manufacture and of the required shade shall be used for the top coat and an undercoat of shade to match the coat as recommended by the manufacturer shall be used. Undercoat of the specified paints of shade suited to the shade of the top coat shall be applied and allowed to dry overnight. It shall be rubbed next day with the fine grade of wet abrasive paper to ensure a smooth and even surface free from brush marks and all loose particles dusted off. Top coats of specified paint of the desired shade shall be applied after the undercoat is thoroughly dry. Additional finishing coats shall be applied if found necessary to ensure properly uniform glossy surface.*
- (c) **Aluminium Paint:** Aluminium paint of approved brand and manufacture shall be used. The paint comes in compact dual containers with the paste and the medium separately. The two shall be mixed together to proper consistency before use. Each coat shall be allowed to dry for 24 hours and lightly rubbed down with fine grade sand paper and dusted before the next coat is applied. The finished surface shall present an even and uniform appearance. As aluminium paint is likely to settle in the container, care shall be taken to frequently stir the paint during use. The paint shall be applied and laid off quickly, as surface is otherwise not easily finished.*
- (d) **Interior Acrylic Emulsion Paint:** Acrylic emulsion paint are not suitable for application on external surface and surface which are liable to heavy condensation and are be used generally on internal*

surface. For plastered surfaces a cement priming coat is required before application of acrylic emulsion. Acrylic emulsion paint of approved brand and manufacture and of the required shade shall be used. The paint will be applied in the usual manner with brush or roller. The paint dries by evaporation of the water content and as soon as the water has evaporated the film gets hard and the next coat can be applied. The time for drying varies from one hour on absorbent surfaces to 2 to 3 hours on non-absorbent surfaces. **The thinning of emulsion is to be done with water and not with turpentine.** Thinning with water will be particularly required for the undercoat, which is applied on the absorbent surface. The quantity of thinner to be added shall be as per manufacturer's instructions. The surface on finishing shall present a flat, velvety, smooth finish. If necessary more coats will be applied till the surface present a uniform appearance.

**Precautions:** (i) Old brushes if they are to be used with emulsion paints should be completely dried of turpentine or oil paints by washing in warm soap water. Brushes should be quickly washed in water, immediately after use and kept immersed in water during break periods to prevent the paint from hardening on the brush.

(ii) In the preparation of walls for Acrylic emulsion painting, an oil base putty shall be used in filling cracks, holes etc.

(iii) Splashes in floor etc. shall be cleaned out without delay as they will be difficult to remove after hardening.

(iv) Washing of surfaces treated with emulsion paints shall not be done within 3 to 4 weeks of application.

(e) **Varnishing:** Varnish for the undercoat shall be a flatting varnish of the same manufacture as the top coats. New wood work to be varnished shall be finished smooth with a carpenter's plane. Knots shall be cut to a slight depth. Cracks and holes shall be cleaned of dust. The knots, cracks etc. shall then be filled in with wood putty. The varnish shall be applied liberally with a full brush and spread evenly with short light strokes to avoid frothing. If the work is vertical the varnish shall be crossed and re-crossed and then laid off, the later being finished on the upstroke so that varnish, as it sets, flows down and eliminates brush marks. The above process will constitute one coat. If the surface is horizontal, varnish shall be worked in every direction with light quick strokes and finished in one definite direction so that it will set without showing brush marks. Rubbing down and fating the surface shall be done after each coat except the final coat with fine sand paper. The work shall be allowed to dry away from draughts and damp air. The finished surface shall then present a uniform appearance and fine glossy surface free from streaks, blisters etc. Any varnish left over in the small container shall not be poured back into the stock tin, as it will render the latter unfit for use. Special fine haired varnishing brush shall be used and not ordinary paint brushes. Brushes shall be well worn and perfectly clean.

(f) **Oiling with Raw Linseed Oil:** Raw linseed oil shall be lightly viscous but clear and of a yellowish colour with light brown tinge. Its specific gravity at a temperature of 300 C shall be between 0.293 and 0.298. The oil shall be mellow and sweet to the taste with very little smell. The oil shall be of sufficiently matured quality. Oil turbid or thick, with acid and bitter taste and rancid odour and which remains sticky for a considerable time shall be rejected. The oil shall be of approved brand and manufacture. The wood work shall be cleaned of all smoke and water and completely dried. The oil shall be applied freely with brushes (not rags) and spread evenly and smooth until no more oil is absorbed. Each subsequent coat shall be applied after the previous coat is thoroughly dried and in any

case not before 24 hours of application of the first coat. Work after completion shall not be patchy and sticky to the touch and shall present a uniform appearance.

**(g) Wax Polishing:** Wax polishing shall be done with material of approved brand and manufacture. Preparation of surface will be same as for varnishing. The polish shall be applied evenly with a clean soft pad of cotton cloth in such a way that the surface is completely and fully covered. The surface is then rubbed continuously for half an hour. When the surface is quite dry, a second coat shall be applied in the same manner and rubbed continuously for one hour or until the surface is dry. The final coat shall then be applied and rubbed for two hours (more if necessary) until the surface has assumed a uniform gloss and is dry, showing no sign of stickiness. The final polish depends largely on the amount of rubbing which should be continuous and with uniform pressure with frequently changes in the direction.

**(h) French Polishing:** Pure shellac varying from pale orange to lemon yellow colour, free from resin or dirt shall be dissolved in methylated spirit at the rate of 150 gm. of shellac to a litre of spirit. Suitable pigment shall be added to get required shade. The surface shall be cleaned. All unevenness shall be rubbed down smooth with sand paper and well dusted. Knots if visible shall be covered with a preparation of red lead and glue size laid on while hot. Holes and indentations on the surface shall be stopped with glazier's putty. The surface shall then be given a coat of wood filler made by mixing whiting (ground chalk) in methylated spirit at the rate of 1.4 kg. of whiting per litre of spirit. The surface shall again be rubbed down perfectly smooth with glass paper and wiped clean. A pad of woolen cloth covered by a fine cloth shall be used to apply the polish. The pad shall be moistened with the polish and rubbed hard on the wood in a series of overlapping circles applying the mixture sparingly but uniformly over the entire area of an even level surface. A trace of linseed oil on the face of the pad facilitates this operation. The surface shall be allowed to dry and the remaining coats applied in the same way. To finish off, the pad shall be covered with a fresh piece of clean fine cotton cloth, slightly dampened with methylated spirit and rubbed lightly and quickly with circular motions. The finished surface shall have a uniform texture and high gloss.

#### **B-12 Terrazzo Flooring:** (Cast in situ): I.S. 2114-1962

- (a) (i) The aggregates used in terrazzo topping shall be marble aggregates of required colour. Marble powder used in terrazzo shall pass through I.S. Sieve 30.
- (ii) Aggregates for terrazzo under layer as well as the base concrete shall conform to the requirements of ordinary cement concrete.
- (b) Cement used for floor finish work shall be ordinary cement or white cement of approved quality.
- (c) Pigments incorporated in terrazzo shall be of approved make & brand and of permanent colour
- (d) The dividing strips may be copper, brass, aluminium, plastic, glass or similar materials. Metallic dividing strips shall have a protective coating of bitumen. The thickness of strip shall not be less than 1.5 mm. and width not less than 20 mm.
- (e) (i) The base concrete shall be lean concrete of mix 1:5:10 of lime concrete and thickness shall be not less than 100 mm.



- (ii) The cushioning layer shall preferably be lime concrete and thickness shall be no less than 75 mm.
- (iii) The under layer shall be of cement concrete of 1: 2: 4, size of coarse aggregates not exceeding 12 mm. The thickness of terrazzo topping shall be not less than the following, depending upon the grades and size of chips used.

<b>Grade No.</b>	<b>Size of chips</b>	<b>Minimum thickness of topping</b>
0	1 to 2 mm.	6 mm.
0	2 to 4 mm.	
1	4 to 7 mm	9 mm
2	7 to 10 mm	12 mm

- (f) The mix for terrazzo topping shall consist of cement with or without pigments, marble powder, marble aggregates and water. The proportion of cement and marble powder shall be 3 parts of cement and one part of powder by WEIGHT. For every part of cement marble powder mix, the proportion of aggregates by VOLUME shall be as follows depending upon the size and grade of marble aggregates.

<b>Size of aggregates</b>	<b>Proportion of aggregates to binder mix</b>
For grades 00,0 and 1	13/4 parts
2	11/3 parts

- (g) The Proportion of cement shall be inclusive of any pigments added to cement. The proportions pigments die mixed with ordinary cement or white cement to obtain different colour to the binder, shall be as specified in the following Table:

<b>Colour</b>	<b>Pigment to be used</b>	<b>Proportion of pigment</b>	<b>Proportion of Ordinary Portland cement</b>	<b>Proportion of white cement</b>
<i>Red</i>	<i>Red oxide of iron</i>	<i>1</i>	<i>15 to 20</i>	<i>NIL</i>
<i>Black</i>	<i>Carbons black</i>	<i>1</i>	<i>25 to 40</i>	<i>NIL</i>
<i>Pink</i>	<i>Red oxide</i>	<i>1</i>	<i>NIL</i>	<i>100 to 400</i>
<i>Cream</i>	<i>Yellow oxide of iron</i>	<i>1</i>	<i>NIL</i>	<i>100 to 400</i>
<i>Yellow</i>	<i>Yellow oxide of iron</i>	<i>1</i>	<i>NIL</i>	<i>25 to 75</i>
<i>Light Green</i>	<i>Green Chromium oxide</i>	<i>1</i>	<i>NIL</i>	<i>50 to 150</i>
<i>French Grey</i>	-	<i>NIL</i>	<i>1 to 2</i>	<i>1</i>

- (h) (i) *Terrazzo topping shall be laid while the under layer is still plastic, but is hardened sufficiently, normally between 18 and 24 hrs. After the laying of the under layer, terrazzo topping may be laid. A cement slurry, preferably of the same colour as the topping shall be brushed on the surface immediately before laying is commenced. The terrazzo topping shall be compacted thoroughly by tamping or rolling and trowelled smooth. Excessive trowelling or rolling in early stages shall be avoided. The compaction shall ensure that air is cleared from the mix.*
- (ii) *The surface shall be left dry for air curing for duration of 12 to 18 hrs. and then be cured by allowing water to stand in pools over it for a period of not less than 4 days.*
- (iii) *Grinding and polishing may be done either by hand or by machine. The first and second grinding shall be done with carborundum stone of Grit size 60 and 80 respectively. After each grinding, the surface shall be washed clean and grouted with neat cement grout of the same colour (without marble powder) of cream like consistency and then shall be allowed to dry for 24 hours and wet cured for 4 days. The third grinding shall be done with carborundum stone of Grit size 120 to 150 and the surface shall then be washed clean and allowed to dry for 11 hours and wet cured for 4 days. The fourth grinding shall be done with carborundum stone of Grit size 320 to 400 and the surface shall then be washed clean and rubbed hard with felt and slightly moistened oxalic acid powder (5 gm of oxalic acid powder per sq.m. of floor area shall be adequate) and finally the surface shall be washed clean with dilute oxalic acid solution and dried.*

### **B-13 Door, Window Frames and Shutters:**

#### **(a) Wooden Section:**

*All doors, window frames must have plaster rabbit 12 mm x 12 mm. and rabbit for receiving shutter at least 15 mm deep. Wood work shall not be painted, oiled or otherwise treated before it has been approved by the Engineer-in-Charge. All portion of timber abutting against or embedded in masonry or concrete shall be painted with boiling coal-tar, before being placed in position. In place of coal-tar, use of approved wood primer shall be permitted. In case of door frames without sills, the vertical members shall be buried in floor 40 mm. deep. Where sills are provided, these sills shall be sunk in the floor to 40 mm. depth and shall rest on damp-proof course. Sills shall be provided, where so directed. The door frames without sills while being placed in position shall be provided with temporary wooden bracing or dry bricks well wedged between the styles at the sill level. These shall be retained to keep the frames from warping during construction. The frames shall also be protected from damages during construction. The shutters shall be so fixed that while closing, the left hand leaf of the shutter is closed first and the right hand leaf of shutter overlaps on the left hand leaf. The overlapping shall be minimum 20 mm. Solid wood panels shall be made out of one or more pieces of timber of not less than 125 mm. in width. In order to avoid warping, splitting and cracking, normally piece not exceeding 200 mm. in width should be used. When made from more than one piece, the pieces shall be joined with continuous tongued and grooved joints glued together and reinforced with metal dowels. The grains of the solid panel shall run along the longer dimension of the panel. The corners and edges of panels shall be finished as shown in drawings and these shall be feather*

*tongued into styles and rails. Sash bars shall have mitered joints with styles. In measuring the width and thickness of styles and rails, a tolerance can be allowed up to 1 mm. Styles and rails shall be properly and accurately mortised and tenoned. Rails which are more than 180 mm. in width shall have two tenons. Styles and end rails of shutters shall be made out of one piece only. Lock and intermediate rails exceeding 200 mm. in width may be made out of one or more pieces of timber, but the width of each piece shall not be less than 75 mm. Where more than one piece of timber are used, they shall be joined with a continuous tongued and grooved joint glued together and reinforced with metal dowels at regular intervals not exceeding 200 mm. or pinned with not less than three 40 mm. rust proof pins of the lost heads type. Jointed pieces of timber shall belong to the same pieces. The tenons shall pass clear through styles. When assembling a leaf, styles shall be left projecting as a horn. The styles and rails shall have 12 mm. grooves in paneled portion for the panel to fit in. The joinery work shall be assembled and passed the Engineer-in-Charge and then the joints shall be pressed and secured by bamboo pins of about 6 mm. diameter. The horns of styles shall be sawn off.*

*Glass panes shall be fixed by wooden beading having mitered joints. A thin layer of putty shall be applied between glass panes and sash bars and also between glass panes and the beading. Fixing of glass panes with simple putty and beads shall not be permitted. Putty shall be prepared by mixing one part white lead with three parts of finely powdered chalk and then adding boiled linseed oil to the mixture to form a stiff paste.*

**(A) Aluminium Sections.**

*Specifications for different component will be as follows. Any approved/ISI marked Aluminium extruded sections.)*

**(A) Sliding Window:**

**(i) 2 Track Sliding**

*Frame :*

<i>Bottom Member</i>	<i>4095</i>	<i>151.155</i>
<i>Top &amp; Side Member</i>	<i>4096</i>	<i>151.154</i>

*Shutter :*

<i>Bottom &amp; Top. Member</i>	<i>4148</i>	<i>151.161</i>
<i>Style Side</i>	<i>9777</i>	<i>151.152</i>
<i>Inter Lock</i>	<i>9778</i>	<i>151.153</i>

**(ii) 3-Track Sliding**

*Frame :*

<i>Bottom Member</i>	<i>4097</i>	<i>151.157</i>
<i>Top &amp; Side Member</i>	<i>4098</i>	<i>151.156</i>

*Shutter :*

<i>Bottom &amp; Top. Member</i>	<i>4148</i>	<i>151.161</i>
<i>Style Side</i>	<i>9777</i>	<i>151.152</i>
<i>Inter lock</i>	<i>9778</i>	<i>151.153</i>

**(iii) 4 Track Sliding**

*Frame :*

<i>Bottom Member</i>	<i>4121</i>	<i>151.67</i>
<i>Top &amp; Side Member</i>	<i>4120</i>	<i>151.66</i>

*Shutter :*

<i>Bottom &amp; Top. Member</i>	<i>4148</i>	<i>151.161</i>
<i>Style Side</i>	<i>9777</i>	<i>151.152</i>
<i>Inter lock</i>	<i>9778</i>	<i>151.153</i>

**Accessories:** EPDM Gasket, Adhesive, Screw, Cleat Angle  
Glass: clear bubble free float glass

**(B) Casement Window:**

**(i) 40 series (40 mm depth).  
Outer Frame**

Peripheral members	4133	151.1
Mullion	9149	151.79

**Shutter :**

Frame members	9148	151.81
Glazing Clip	4135	151.96
Cleat Angle. (Non-Anodized)	2081	151.167

**(ii) 34 series (34 mm depth).  
Outer Frame**

Peripheral Member	2082	151.164
Mullion	9139	151.163

**Shutter :**

Peripheral Member	2082	151.164
Mullion	9139	151.163

**Shutter :**

Frame members	4124	151.165
Glazing Clip	4125	151.166
Cleat Angle. (Non-Anodized)	2081	151.167

**Accessories:** Stainless steel / Aluminium Functional, Hinge, EPDM  
Gasket-T & U Type, Adhesive, Screw, Glass

**(C) Louvered Window: Outer**

**Frame.**

Top, Bottom & Side member	9835	303.01
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**Louver**

Light – 18 G	1702	} Local make
Medium – 16 G	1702	
Heavy – 14 G	1702	

**(D) Fixed glazing on all tracks with member of fixed glazing flushed on one side only**

**Frame**

Top, Bottom & Side	9210	151.53
Mullion	9207	151.52
Glazing Clip	4660	151.17

**Accessories:** EPDM Gasket, Glass.

**(E) Fixed Partition -for height of clear opening more than 1.0 metre.**

**(i) Unsupported length (Vertical member) upto 1.5 m height**

**Members:**

Side, Top & Bottom	9210	151.53
Intermediates	9207	151.52
Glazing Clip	4660	151.17

**(ii) Unsupported length (Vertical Member) above 1.5 m height**

**Members:**

Side, Top & Bottom	9221	151.183
Intermediates	9220	151.193
Glazing Clip	4660	151.17

**(iii) Both ends restrained (with horizontal members or masonry walls / concrete members where the horizontal members can be screwed) for panels within 0.9 Sq.m.**

**Members:**

Side, Top & Bottom	9210	151.53
Intermediates	9207	151.52
Glazing Clip	4660	151.17

**(iv) Both ends restrained (with horizontal members or masonry walls / concrete members where the horizontal members can be screwed) for panels above 0.9 Sq.m**

**Members:**

Side, Top & Bottom	9221	151.183
Intermediates	9220	151.193
Glazing Clip	4660	151.17

**Accessories: EPDM Gasket, Glass / Board**

**F) Movable door shutters fully glazed, partly glazed  
Partly pre-laminated and rimless doors.**

**(i) Movable door**

**Door Frame, (Required only when  
there is masonry wall/concrete member).**

Top Side member	9210	151.183
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**Shutter:**

Top Rail	9201	151.261
Bottom Rail	9200	151.231
Lock Rail	9240	151.218
Door Vertical	9241	151.23
Glazing Clip	4660	151.17
Handle	5140	157.13

**(ii) Rimless Door**

Top & Bottom Rail	9206	151.51
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**Accessories:**

1. Heavy duty floor spring & top pin assembly  
make: Garnish/Nita/Hardwyn or any  
approved make conforming to IS : 6315
2. EPDM Gasket
3. Wool Pile
4. Lock
5. Handle-Standard/Decorative/Acrylic.
6. Sundries: Adhesive, screw, Cleat Angle

**B-14 Door, Window Clamps or holdfasts:**

- (a) Unless otherwise specified the clamps shall be fixed to outer side of the frame with screws. For the purpose of receiving clamps a recess of at least 12 mm. deep of suitable size shall be cut into the frame. After fixing the frame true to plumb with the clamps, the exposed face of the clamps shall be covered by a thin wooden covering fixed with screws.
- (b) The side of the door, window frames which remains in contact with masonry shall invariably be painted with a protective coat of paint.

**B-15 Schedule of Fittings:**

- (i) Fittings shall be of iron, aluminium or as specified. These shall be well made, reasonably smooth and free from edges, corners, flaws and other defects. Screw holes shall be counter sunk to suit the head of specified wood screws. All hinge pins shall be of steel and their riveted heads shall be well formed.

*Iron fitting shall be finished bright or copper oxidised. Brass fittings shall be finished bright (brass), oxidised or chromium—plated (electro-plated) and aluminium fittings shall be finished bright or anodised or as specified. Fittings shall be got approved by the Engineer- in charge before fixing.*

- (ii) *Screws used for fittings shall be of the same metal and finish as the fittings; however anodised brass screws or chromium brass screws shall be used for fixing aluminium fittings.*
- (iii) *Fittings shall be fixed in proper position as shown in the drawings or as directed by the Engineer-in-Charge. These shall be truly vertical or horizontal as the case may be. Screws shall be driven home with screwdriver and not hammered in. Recesses shall be cut to exact size and depth for the counter -sinking of hinge.*

#### **B-16 Stone Masonry Block Walling:**

- (i) *Considering ease in handling and other requirements, the nominal length and height of the block is kept 300 mm. and 150 mm. respectively with the widths as 200, 150 and 100 mm. respectively. The actual block dimensions are short by 10 mm. to accommodate mortar joint thickness. These blocks weigh from 9 to 18 kg each. The stone masonry blocks are made from large size stone pieces bound together with lean cement concrete mix 1:5:8 (cement, sand, stone aggregate 10 mm down). The stone piece sizes vary from 50 to 260 mm. To impart good workability and bond, the sand should be well graded and should have tiny particles (15 to 20%) passing I.S. sieve no. 300 micron and 5 to 15% passing I.S. sieve no 150 micron in area. Where fly ash is available, this may be used as substitute for the fine particles of sand, provided good workability and plasticity in such lean concrete is achieved to the desired extent and in such case of using of fly ash, lesser cost of production of masonry stone block may be achieved.*
- (ii) *Stone masonry blocks are prepared in the following stages (a) Stone pieces are arranged in mould (b) concrete (1:5:8) is filled around stone pieces in first layer (c) Second layer of stone pieces is laid then (d) Concrete (1.5:8) is filled up to top.*

*Demoulding of such blocks follows soon after 3 to 7 minutes of its casting. The moulded blocks are cured by frequent sprinkling of water over the stacks for 2 weeks and are cured for another 2 weeks before laying them in wall.*

*For quality control, testing of two blocks out of every 500 blocks for compressive strength after providing proper capping as per test procedure laid down in I.S.-2185 of 1967, from (1:5:8) lean concrete stone masonry block (290 mm x 190 mm.) and thickness 140 mm is desired. Average ultimate crushing load for such block in tons is to be 38 and its average compressive strength thus stands at 69 kg/sq. cm.*

- (iii) *The blocks are used both for load bearing and non-load bearing walls. Permissible stresses in the masonry are taken from the I.S. Code 1969 of 69 “Structural safety of building - masonry walls”.*

*As cutting of the these blocks is not recommenced all length of walls, openings, spaces between openings etc. shall be in multiple of 100 mm. and all height shall be multiple of course height*



*Wall thickness is decided based on the strength of the blocks and the load coming over it. The blocks should be dry at the time of laying in the masonry. If the climate is not dry, the blocks may be wetted on the surface only in order to reduce the suctioning of water from the mortar. For breaking of vertical joints in alternate course, smaller length blocks (depending upon the wall length) are used. The external surface is finished with designable pointing; the internal face may or may not be plastered.*

## **B-17 PRECAUTION AND SEQUENCE OF OPERATION DURING DEMOLITION / DISMANTLING OF STRUCTURE**

### **PROCEDURE FOR DEMOLITION:**

*Before beginning the actual demolition work, a careful study shall be made of the structure which is to be pulled down and also of all its surroundings to ascertain how far the stage by stage demolition will affect the safety of the adjoining structure. A definite plan of procedure for the demolition work, depending upon the manner in which the loads off the various structural parts are supported, shall be prepared and approved by the Engineer-in-Charge and this shall be followed as closely as possible, in actual execution of the demolition work.*

*It should be ensured that the demolition operations do not, at any stage, endanger the safety of the adjoining buildings. Moreover, the nuisance effect of the demolishing work on the use of the adjacent buildings should be kept to the minimum.*

*No structure or part of the structure or any floor or temporary support or scaffold, side wall or any device or equipment shall be loaded in excess of the safe carrying capacity, in its then existing condition.*

### **PRECAUTIONS PRIOR TO DEMOLITION:**

- 1. On every demolition job, danger signs shall be posted all around the structure and all doors and openings giving access to the structure shall be kept barricaded or manned except during the actual passage of workmen or equipment. However, provisions shall be made for at least two independent exits for escape of workmen during any emergency.*

*During nights, red lights shall be placed on or about all the barricades.*

- 2. All the necessary safety appliances shall be issued to the workers and their use explained. It shall be ensured that the workers are using all the safety appliances while at work.*

3. *The power on all electrical service lines shall be shut off and all such lines cut or disconnected at or outside the property line, before the demolition work is started. Prior to cutting of such lines, the necessary approval shall be obtained from the electrical authorities concerned. The only exception will be any power lines required for demolition work itself.*
4. *Water stream and other service lines shall be shut off and capped or otherwise controlled at or outside the building line, before demolition work is started.*

#### **SPECIAL MEASURES FOR PUBLIC:**

1. *Safety distances to ensure safety of public shall be clearly marked and prominently sign posted. Every sidewalk or road adjacent to the work shall be closed or protected. All main roads, which are open to all, shall be kept open to the public clear and unobstructed at all times. Diversions for pedestrians shall be constructed, where necessary for safety.*
2. *If the structure to be demolished is more than two storied or 7.5 m high, measured from the side walk or street which cannot be closed or safely diverted, and the horizontal distance from the inside of the sidewalk to the structure is 4.5 m or less, a substantial sidewalk shed shall be constructed over the entire length of the sidewalk adjacent to the structure, of sufficient width with a view to accommodate the pedestrian traffic without causing congestion. The side walk shed shall be lighted sufficiently to ensure safety at all times.*

*The roof of sidewalk sheds shall be capable of sustaining a load of 73 N/mm<sup>2</sup>. Only in exceptional cases, say due to lack of other space, the storing of material on a sidewalk shed may be permitted in which case the shed shall be designed for a load of 146 N/mm<sup>2</sup>. Roof of sidewalk shed shall be designed taking into account the impact of the falling debris. By frequent removal of loads it shall be ensured that the maximum load, at any time, on the roof of work shed is not more than 6000 N/mm<sup>2</sup>. The height of sidewalk shed shall be such as to give a minimum clearance of 2.4 m.*

*Sidewalk shed opening for loading purposes, shall be kept closed at all time except during actual loading operations.*

*The deck flooring of the sidewalk shed shall consist of plank of not less than 50 mm in thickness closely laid and deck made watertight. All members of the shed shall be adequately braced and connected to resist displacement of members or distortion of framework.*

*When the horizontal distance from the inside of the sidewalk to the structure is more than 4.5 m and less than 7.5 m, a sidewalk shed or fence with substantial railing shall be constructed on the inside of the sidewalk or roadway along the entire length of the demolition side of the property with movable bars as may be necessary for the proper execution of the work.*

#### **SPECIAL PRECAUTIONS DURING DEMOLITION:**

- *Prior to commencement of work, all material of fragile nature like glass shall be removed.*
- *All openings shall be boarded up.*
- *Dust shall be controlled by suitable means to prevent harm to workmen.*

### **SEQUENCE OF DEMOLITION OPERATIONS:**

1. *The demolition work shall be proceeded with in such a way that
  - (a) it causes the least damage and nuisance to the adjoining building and the members of the public, and
  - (b) it satisfies all safety requirements to avoid any accidents.*
2. *All existing fixtures required during demolition operation shall be well protected with substantial covering to the entire satisfaction of the rules and regulations of the undertakings or they shall be temporarily relocated.*
3. *Before demolition work is started, glazed sash, glazed doors and windows etc. shall be removed. All fragile and loose fixtures shall be removed. The lath and all loose plaster shall be stripped off throughout the entire building. This is advantageous because it reduces glass breakage and also eliminates a large amount of dust producing material before more substantial parts of the buildings are removed.*
4. *The demolition shall always proceed systematically storey by storey, in the descending order. All work in the upper floor shall be completed and approved by the Engineer-in-Charge prior to disturbance to any supporting member on the lower floor. Demolition of the structure in sections may be permitted in exceptional cases if proper precautions are ensured to prevent injuries to persons and damage to property.*

### **DEMOLITION OF WALLS:**

1. *While walls of sections of masonry are being demolished, it shall be ensured that they are not allowed to fall as single mass upon the floors of the building that are being demolished so as to exceed the safe carrying capacity of the floors. Overloading of floors shall be prevented by removing the accumulating debris through chutes or by other means immediately. The floor shall be inspected by the Engineer-in-Charge before undertaking demolition work and if the same is found to be incapable to carry the load of the debris, necessary additional precautions shall be taken so as to prevent any possible unexpected collapse of the floor.*
2. *Walls shall be removed part by part. Stages shall be provided for the men to work on if the walls are less than one and a half brick thick and dangerous to work by standing over them.*

### **DEMOLITION OF FLOOR:**

1. *Prior to removal of masonry or concrete floor adequate support centering shall be provided.*
2. *When floors are being removed, no workmen shall be allowed to work in the area, directly underneath and such area shall be barricaded to prevent access to it.*

## **DEMOLITION OF CERTAIN SPECIAL TYPES AND ELEMENTS OF STRUCTURES:**

### **1. ROOF TRUSSES:**

- a) *If a building has a pitched roof, the structure should be removed to wall plate level by hand methods. Sufficient purlins and bracing should be retained to ensure stability of the remaining roof trusses while each individual truss is removed progressively.*
- (b) *On no account should the bottom tie of roof trusses be cut until the principal rafters are prevented from making out ward movement.*

### **2. HEAVY FLOOR BEAMS:**

*Heavy baulks of timber and steel beams should be supported before cutting at the extremities and should then be lowered gently to a safe working place.*

### **3. BRICK ARCHES:**

*Expert advice should be obtained and, at all stages of the demolition, the closest supervision should be given by persons fully experienced and conversant in this type of work to ensure that the structure is stable at all times.*

*However, the following points may be kept in view.*

- (a) *On no account should the restraining influence of the abutments be removed before the dead load of the spandrel fill and the arch rings are removed.*
- (b) *A single span arch can be demolished by hand by cutting narrow segments progressively from each springing parallel to the span of the earth, until the width of the arch has been reduced to a minimum which can then be collapsed.*
- (c) *Where deliberate collapse is feasible, the crown may be broken by the demolition ball method working progressively from edges to the centre.*
- (d) *In multi-span arches, before individual arches are removed, lateral restraint should be provided at the springing level. Demolition may then proceed as for single span; where explosives are used it is preferable to ensure the collapse of the whole structure in one operation to avoid the chance of leaving unstable portion standing.*

### **4. CANTILEVER (NOT PART OF A FRAMED STRUCTURE):**

*Canopies, cornices, staircases and balconies should be demolished or supported before tailing down load is removed.*

5. **IN-SITU REINFORCED CONCRETE:**

*Before commencing demolition, the nature and condition of the concrete, the condition and position of reinforcement and the possibility of lack of continuity of reinforcement should be ascertained.*

*Demolition should be commenced by removing partition and external non-load bearing cladding.*

(a) **REINFORCED CONCRETE BEAMS :**

*A supporting rope should be attached to the beam. Then the concrete should be removed from both ends by pneumatic drill and the reinforcement exposed. The reinforcement should then be cut in such a way as to allow the beam to be lowered under control to the floor.*

(b) **REINFORCED CONCRETE COLUMNS :**

*The reinforcement should be exposed at the base after restraining wire guy ropes have been placed round the member at the top. The reinforcement should then be cut in such a way as to allow it to be pulled down to the floor under control.*

(c) **REINFORCED CONCRETE WALLS :**

*These should be cut into strips and demolished as for columns.*

(d) **SUSPENDED FLOORS AND ROOFS:**

*The slab should be cut into strips parallel to the main reinforcement and demolished strip by strip. Where ribbed construction has been used, the principle of design and method of construction should be determined before demolition is commenced. Care should be taken not to cut the ribs inadvertently.*

**LOWERING, REMOVAL AND DISPOSAL OF MATERIALS:**

*Dismantled materials may be thrown to the ground only after taking adequate precautions. The material shall preferably be dumped inside the building. Normally such materials shall be lowered to the ground or to the top of the sidewalk shed, where provided, by means of ropes of suitable tackles.*

## **(C) MODES OF MEASUREMENTS**

**GENERAL:** *Unless specifically mentioned otherwise, the following modes of measurement shall be adopted.*

### **C-1 Brick Walls:**

**(a) With Modular Bricks (190 mm x 90 mm x 90 mm) :**

*The thickness of brick wall made of Modular Bricks with one brick laid flat (with long side parallel to the length of the wall) shall be measured as 100 mm. One brick thick walls (with the length of the brick parallel to the thickness of the wall) shall be measured as 200 mm., one and half brick as 300 mm, two brick walls measured as 400 mm and so on.*

**(b) With Conventional Bricks ( $9\frac{3}{4}$ " x  $4\frac{3}{4}$ " x  $2\frac{3}{4}$ " ) or (248 mm x 120 mm x 70 mm):**

*The thickness of brick wall made with one brick laid on edge (with the long side parallel to the length of the wall) shall be measured as 75 mm. Similarly, a wall made with one brick laid flat (with the long side parallel to the length of wall) shall be measured as 125 mm. 1 brick thick walls (with the length of brick parallel to the thickness of the wall) shall be measured as 250 mm, one and half brick walls (i.e. one brick along the length and one brick along the width) shall be measured as 375 mm., two brick thick walls measured as 500 mm. and so on.*

**(c)** *The width of lintels etc. covering the entire thickness of brick wall shall also be measured as equal to corresponding wall thickness.*

**(d)** *Net measurement of all walls will be taken after deduction of all opening etc. This applies to 125/100 mm. thick and 75 mm. thick walls also. Parapets (upto 1060 mm. height) will be measured along with the brick work of the floor just below the roof and will be paid for at the same rate.*

**(e)** *No extra payment will be made for curved or chamfered work even though it may necessitate cutting of bricks. For small curves or chamfers the Engineer-in-Charge may, at his discretion allow measurement on the square (i.e. without deduction for the quantity removed for forming the small curve or chamfer).*

### **C-2 Concrete Plain or Reinforced:**

*Finished net measurement will be taken after deduction of large holes, rebates etc. but without deduction for the volume of reinforcement, if any, in the concrete.*

### **C-3 Reinforcement:**

*The measurement will be on the basis of calculated weight of reinforcement only (i.e. without considering the weight of tying wires) actually consumed in the finished work as per drawing and design or as per direction of the Engineer-in-Charge. If the length of any rod be more than that shown in the drawing but has been allowed to be used, the length will be taken as the length shown in the drawing. Hooks and laps as per standard practice will be measured and paid for.*

### **C-4 Plaster, Lime punning, Plaster of Paris rendering:**

*For measurements of plaster (exterior or interior) deduction is to be made for door, window or opening of similar dimension and allowance is to be made for jambs, sills and soffits. Payment will be made on the basis of surface measurement of wall deducting one-third the measurement of such opening and without any separate measurement of jambs, sills and soffits. In case of large openings, exceeding three sq.m. however, as in the case of verandahs with columns, payment will be on actual measurements.*

### **C-5 White Washing and Colour Washing:**

- (i) Payment will be made on the basis of surface measurement without any deduction for door, window or opening or similar dimension and without any separate measurement for jambs, sills and soffits of such openings.*
- (ii) For cement paint and oil painting to walls or concrete jellies or similar other works, method of measurements shall be the same as in plaster.*

### **C-6 Painting:**

- (a) Measurement for painting work in doors and windows, grills, gratings, collapsible gates, corrugated roofing etc. shall be on the following basis. In all such cases the "Area" shall be measured flat (and not girthed). For door and windows, no separate payment shall be made for the frames (chowkats), the "Area" in such cases represents the area of the wall opening covered by the frames (including exposed surface of the frames). For grills, gratings etc. the area represents the area of the opening covered by outer frames.*
- (b) The area measured as above shall be multiplied by the factor given below and the works of painting shall be paid on the quantities thus arrived at:*



<i>Name of surface painted</i>	<i>Multiplying factor for painting one side only</i>	<i>Multiplying factor for painting both side only</i>
(i) <i>Timber doors, windows etc.</i>	0.80	1.60
<i>Fully glazed (or with glass substitute)</i>	1.30	2.60
<i>Fully paneled or flush or battened Fully venetian or fixed or louvered</i>	1.80	3.60
<i>Two third paneled one third glazed</i>	1.14	2.28
<i>half paneled half glazed</i>	1.00	2.00
<i>Flushing joiner</i>	1.20	2.40
<i>One third paneled two third glazed</i>	0.75	1.50
<i>One third paneled two third venetian (or fixed louvered)</i>	1.33	2.66
<i>Half paneled half venetian (or fixed-louvered) Netted</i>	1.55	3.10
<i>(without painting to the net with z-battens) Netted (with</i>	0.25	0.50
<i>Painting to the net as well with Z-battens)</i>	0.63	1.25
<i>Corrugated (i.e. with leaves of GI. sheets)</i>	1.25	2.50
(ii) (a) <i>Corrugated iron sheet roof</i>	1.05	2.10
(b) <i>Corrugated iron sheet wall including supporting frame</i>	1.14	2.28
(iii) <i>Corrugated asbestos sheet roof or wall</i>	1.20	2.40
(iv) <i>Trafford Asbestos sheet roof or wall</i>	1.10	2.20
(v) <i>Heavy type grating or grated doors (as in jails etc.) for painting all over</i>		1.50
(vi) <i>Collapsible gate (all over)</i>		1.50
(vii) <i>Steel windows (full glassed)</i>	0.50	1.00
(viii) <i>Ledges &amp; battened or ledged, battened and braced one third glazed two third venetian (or fixed-louvered) two third glazed one third venetian (or fixed-louvered)</i>	1.13	2.25
	1.47	2.94
	1.13	2.25
(ix) <i>Weather boarding (Supporting frame shall not be Measured separately)</i>	1.20	2.25
(x) <i>Title &amp; slate battening (over all measured without deduction the open surface)</i>		0.80
(xi) <i>Trellis (or jaffri) work one way or two way (over all members without deduction the open space &amp; including the supporting members for painting all over)</i>		2.00
(xii) <i>Grills, gratings &amp; railings (cast iron or wooden) guards bars, balustrades, expanded metals (supporting frame work shall not be measured separately for painting all over) (xiii) Steel rolling shutters including top casing (jambgurdes. bottom rail and locking arrangement etc. shall be deemed to be included in the item.)</i>		1.00
	1.10	2.20
(xiv) <i>Curved or enriched work.</i>	2.00	4.00
(xv) <i>Gates and open palisade fencing including standards, braces, rails, stays etc. (for painting all over)</i>		1.00
(xvi) <i>Partly paneled and partly glazed or glazed steel door.</i>	0.80	1.60
(xvii) <i>Plain sheet steel doors &amp; windows</i>	1.10	2.20
(xviii) <i>Wood shingle roofing</i>	1.10	2.20
(xix) <i>Boarding with cover fillets and match boarding</i>	1.05	2.10



- Note 1.** *The Height shall be taken from bottom of lowest rail, if palisades do not go below it or from lower end of palisades, if they project below lowest rail, upto top of palisades, but not upto top of standards, if they are higher than palisades.*
- Note 2.** *Where doors, windows etc. are of composite types other than those included in this table, different portions shall be measured separately with their appropriate coefficients, center of common rail being taken as the dividing line between the two portions.*
- Note 3.** *Measurement of painting of doors, windows, collapsible gates, rolling shutters etc as given in this table shall be deemed to include painting, if required of all iron fittings in the same shade.*
- Note 4.** *When two faces of a door, window etc. are to be treated with different specified finishes, measurable under separate items, edges of frames and shutters shall be treated with the or the other type of finish and measurement thereof shall be deemed to be included in the measurement of the face treated with that finish.*
- Note 5.** *In case shutters are fixed on both faces of a frame, measurement for the door frame and shutter on one face shall be taken on the manner already described, while the shutter on the other face shall be measured exclusive of the frame.*
- Note 6.** *Where shutter is provided with clearance exceeding 15 cm. at top and/or at bottom, such openings shall be deducted from the overall measurement and relevant coefficients applied.*

**C-7 Metal, Chips, Boulders, Bats, Sand, Lime, Coal, Carried Earth etc. :**

- (a) *Unless specifically mentioned otherwise in the description of the item itself, measurements for supply and / or carriage shall be taken in stacks and that as soon after the stacks are made as possible. The height and the shape and size of the stacks shall be as per direction of the Engineer-in-charge but in no case shall the height of the stacks be less than the minimum as indicated hereinafter.*

*Allowance for shrinkage and / or shrinkage shall be made as indicated hereinafter. The net quantity shall be arrived at after deducting these allowances from the measurement of fresh stacks and payment for supply or carriage shall be made on the net quantity thus derived. Quantity of any material shall always indicate such net quantity, unless specifically mentioned otherwise.*

- (b) *If for any special reasons, as per provisions in any particular contract, final measurements have to be taken in wagons (before unloading at destination) no deduction for shrinkage and / or shrinkage shall be made.*

*For carried earth supplied by the contractor, the earth is to be first stacked at site for measurement and the earth utilised in the work after such stacks have been measured. The items of earthwork with such carried earth include the cost of such operation. The net quantity, for the purpose of payment, shall be derived after deducting allowances for shrinkage and/or shrinkage as specified below. In special circumstances, the Engineer-in-Charge may, at his sole discretion, take borrow- pit measurements for such carried earth, in which case no allowance for shrinkage and/or shrinkage is to be deducted.*

*Where earth is to be carried from any excavation, the measurement for carriage for excavated earth will be taken on the basis of earth excavated.*

- (c) *For conversion of brick materials from one form to another 314 Nos. of bricks (conventional size) will be taken to produce 1 cu.m. of bats and 1.1 cu.m. of bats to produce 1 cu.m. of khoa or metal.*

*Unless specifically mentioned otherwise in any particular contract, 1025 kg.. of steam coal shall be taken as equivalent no 1 cu.m. (When measured in very old and settled stacks or in wagons at destination or after deducting sinkage and/or shrinkage allowance when measured in fresh stacks). Similarly 1107 Kg. of slack coal shall be taken as equivalent to 1 cu.m.*

- (d) *For consolidation of stone or jhama metal and similar works involving utilisation of materials already measured in stacks, the quantity of materials actually consumed in such works will be taken to be same as the recorded quantities (after due allowance for sinkage and/or shrinkage, where applicable) of the stack or stacks actually utilised in such works.*
- (e) *Schedule showing minimum height of stacks and allowance to be deducted for sinkage and/or shrinkage when measured in fresh stacks.*

<b>Sl. No.</b>	<b>MATERIALS</b>	<b>Minimum height of stacks</b>	<b>Allowance to be deducted for sinkage and/or shrinkage</b>
(a)	Stone metal, ballast, chips, shingles or gravel	32.5 cm	1/13
(b)	Stone boulders 15 cm. or above sizes	35 cm	1/7
(c)	Stone boulders below 15 cm. size	45 cm	1/9
(d)	Jhama bats or bricks bats	53 cm	1/7
(e)	Jhama metal, khoa or chips	34 cm	1/9
(f)	Sand	61 cm	1/8
(g)	Surki	61 cm	1/4
(h)	Lime	61 cm	1/4
(i)	Moorum	33.5 cm	1/13
(j)	Carried earth	34 cm	1/9
(k)	Rubbish (building or kiln)	34 cm	1/9
(l)	Steam coal or slack coal	61 cm	1/8
(m)	Cinder	61 cm	1/9

### **C-8 Carriage:**

*All items involving carriage, loading, unloading & stacking shall be in accordance with the provisions of the Schedule of Rates of Public Works (Roads) Department applicable at the material time within the jurisdiction of the circle.*

### **C-9 Glazing:**

*All glazing shall be measured in square metres. Each pane of glass shall be measured to the nearest 0.5 cm. both width and height. Irregular or circular panes shall be measured as the smallest rectangular area from which the irregular or circular pane can be cut. Irregular panes shall be measured separately, and described as irregular shapes measured square.*

**Govt. order No. 2809 (3) A dt. 27<sup>th</sup> April, 1971**

### **ADDITIONAL CONDITIONS OF CONTRACT FOR DEPARTMENTAL MATERIALS**

- (a) *The value of materials supplied by the Department for use on the work shown in the schedule on page II of the contract form (West Bengal Form No. 2911) in respect of items of work for which the contractor's rates are inclusive of the cost of such materials, will be debited to him in his accounts at the rates specified in the schedule.*
- (b) *Regarding materials in respect of items of work for which the contractor's rates are not inclusive of the cost of such materials, the contractor shall only act as custodian on behalf of the Govt. and the value of such materials will not be charged to him except under sub-clause (f) and (g) hereof*
- (c) *When the contract provides for use of certain specified materials to be supplied by the Deptt. the contractor shall not obtain such materials from other sources unless authorised in writing by the Engineer-in- Charge of the works.*
- (d) *Materials supplied for a particular work or a part thereof shall not be used elsewhere except with written permission of the said Engineer-in-Charge.*
- (e) *Materials shall be supplied to the contractor in such installments as may be decided by the Engineer-in-Charge.*
- (f) *The contractor shall be held responsible for any misuse, loss or damage of the materials issued or handed over to him by the Engineer-in-Charge. In default, the cost of such materials shall be recovered from the contractor according to the terms of the provisions made in sub-clause (g) and (h) thereof.*
- (g) *In the following cases, the materials issued or handed over to the contractor shall be deemed to have to been misused by him.*
  - (i) *Materials lost or damaged due to negligence on the part of the contractor and/or defective storage by him.*
  - (ii) *Materials used in excess of the requirements as shown in consumption chart attached herewith*

- (iii) *Materials used without permission of the Engineer-in-Charge in temporary works (e.g. coffer dams, embankments, shoring etc.) or in the construction of contractor's godown, site office, labour hutments etc.*

*The value of materials misused as above (in which case the decision of the Engineer-in-Charge shall be final) shall be recovered at 50 per cent in excess of the highest of the following three rates;*

- (i) *Issue rate as specified in the contract*
  - (ii) *Department stock rate at the time of recovery of value*
  - (iii) *Market rate at the time recovery of value.*
- (h) *In cases of loss or damage of materials issued or handed over to the contractor other than under the circumstances mentioned in sub-clause 9(g) the materials so lost or damaged shall be replaced by the Engineer-in-Charge at the cost of the contractor and the certificate of the Engineer-in-Charge as to the cost of replacement shall be final and binding on the contractor.*
  - (i) *Where so specified and in any case in respect of cement, steel and bituminous materials supplied by the Deptt. a stock register shall be maintained by the contractor and the daily receipts, issues and balance of such materials shall be shown therein. This register shall be produced by the contractor to the Engineer-in-Charge or his representative whenever required for verification of stock.*
  - (j) *Whenever asked for by the Engineer-in-Charge during the progress of work and with the final bill, the contractor shall submit to the former a statement showing:*
    - (i) *The total quantity of materials received by the contractor from the Deptt.*
    - (ii) *Consumption thereof item by item in the work; and*
    - (iii) *The balance in hand.*
  - (k) *Whenever by computing the consumption of materials of any description in any item or group of items of work requiring use of such materials.*
    - (i) *It is found that the contractor has used less materials than are required by the specification and/or as shown in consumption chart attached herewith, the value of the quantity of materials less used shall be recovered from the contractor at 5(five) per cent in excess of the issue rate of such materials. In such an event the contractor shall not be entitled to claim or receive the materials, the cost of which has been thus recovered; or*
    - (ii) *If it is found that contractor has used any materials in excess of the requirement, the value of the materials used in excess shall be recovered from the contractor as provided in sub-clause (g) hereof.*
    - (iii) *Provided that recovery of materials used less or in excess as indicated in paragraphs (i) and (ii) of the sub-clause shall be subjected to the decision of the Engineer-in-Charge who may allow variation according to para I of consumption chart.*

## **(D) MISCELLANEOUS**

### ***Extra rate for difficult I River line Areas / Difficult nature of work***

**D-1**     *The following extra rates will be allowed on the whole schedule of rates mentioned below.*

- SECTION I -**
- (A)     *Earth work, Antitermite Treatment (except item 1 to 6) Brick*
  - (C)     *Work, Concrete work etc.*
  - (D)     *Flooring*
  - (E)     *Roofing and Sheet Walling*
  - (F)     *Structural steel work, Grill, Gates etc.*
  - (G)     *Carpenters works*
  - (H)     *Band Moulding, Cornics etc.*
  - (I)     *Plastering, Pointing etc*
  - (J)     *White Wash etc.*
  - (K)     *Painting*
  - (L)     *Glaziers works*
  - (M)     *Drains etc.*
  - (N)     *Thatch, Mud and Bamboo Works*
  - (O)     *Fencing*
  - (P)     *Soling, Edging and Metalling etc.*
  - (R)     *Aluminium works*
  - (T)     *Miscellaneous works (except Items 36 to 38, 41 & 42)*
  - (U)     *Additional Items*

### **SECTION II - Labour & Materials**

**Extras:**     (a) *In riverine areas connected by river route and/or ferry crossing under*     **Extra Rate**

- (i)     *Hasnabad & Bhangore P. S.*     @ 15%
- (ii)     *Haroa, Canning, Kultali, Namkhana & Kakdwip P. S.*     @ 15%
- (iii)     *Gosaba, Basanti, Sandeshkhali, Hingaljanj & Minakhan P. S.*     @ 22.5%
- (iv)     *Patharpratima & Sagar P.S.*     @ 30%
- (b)     *In all other areas under Kakdwip PWD Sub-Division excluding the jurisdiction of Kakdwip P.S. in riverine areas connected by river route and/or Ferry crossing.*     @ 10%

**D-2**     *Extra rate in respect all works on the whole schedule of rates for works*

- (i) *Within the perimeter of Jail including perimeter wall work, where works are permitted within restricted hours only*     @ 10%.
- (ii) *Rajbhavan, Kolkata @10%*

- (iii) *If repair works required inside running wards / cabins of hospitals are restricted by hospital authority in writing for duration less than usual working hours an extra rate of 10% will be allowed.*
- (iv) *If for unavoidable circumstances. works are to be done in emergency cases at night, extra rate @10% will be applicable to items of night work only strictly under certificate of Engineer- in-Charge.*
- (v) *For works at Bhutni under Manikchawk P.S. in Malda District Extra 15% (Fifteen per cent) over and above the rates provided in this schedule is allowed.*

**D-3** *Rates for rehabilitation works in heritage structure / monuments (except buildings in use for Govt. or similar offices) requiring careful expert quality conscious mistries under guidance of experts, may be 25% higher than the Schedule rate for corresponding items considering wastage of labour and lesser output, with **specific permission from Superintending Engineer of Concerned Circle.***

**D-4** *5% (Five percent) extra in respect of works within Contai-I, Contai-II, Contai- III, Khejuri-I, Nandigram- I, Nandigram- II. Sutahata-I, Sutahata-II panchayat samity under East Midnapore District will be allowed on the whole schedule excepting those under section-I (A) Earth works etc. (B) Dismantling and cutting chase, holes etc. (N) Thatch, Mud and Bamboo works and whole of Section-II. Extra in respect of works within following Police station will be allowed on (the whole schedule excepting those under section-I (A) Earth works etc. (B) Dismantling and cutting chase, holes etc (N) Thatch, Mud and Bamboo works and whole of Section-II. [Additional 5% (Five percent) for Durgachak, Haldia and Digha Police station area. 20% (twenty percent ) extra for Nayachar Island (developed on the midst of Hooghly river under the Administrative control of D. M. East Midnapore on the whole schedule.*

**D-5** *Rates of the items under- Section - I Excluding (i) Sub-Section (A) & (B) and (ii) items involving labour only in Sub-Section (C) to (T) are to be enhanced by*

*(i) 20% for works in the following places (a) Hill area of Garubathan Block (b) Kalimpong Municipal Area (c) Dow hill area of Kurseong Sub-Division (d) Miric Block (e) Section from Mane Bhanjan to Phalut of Simana Sandakphu Phalut Road (f) Section from Peshoke Khola to Lopchu Tea Garden of S. H. No. 12 (g) within 10 km. from Mongpu under Takda Block (h) Ghoom Tiger Hill Road (i) Section Pankhabari Bazar to the Starting of Kurseong Municipal Road of Garidhura- Kurseong Road (j) Kalimpong Block I/II and Mongpo & Takda Block. k) Bijanbari Block l) Sukia Pokhri Block.*

*(ii) 20% of works in the following places:-*

*(a) Darjeeling Municipal area (b) Kurseong Municipal area (excluding Dow Hill area) (c) Rangit (d) Health Centers at Singritam, Pokhriabong, Lodhama, Takling, Gitdabbling, Samathahar. Saimolbong & Sittong.*

*The rates under sections stated above for Jalpaiguri district are to be enhanced by 15% for works in Boxa Hills .*

*The rates for all types of concrete works. masonry works and sand cement plastering in the District of Uttar Dinajpur and Dakshin Dinajpur have been arrived at with the consideration that Bansloi sand*

*(Murarai Variety) shall be used in all such works. If any work is done with local sand with the approval of the Executive Engineer, the rate of the item shall be reduced accordingly on the basis of difference of cost of Bansloi sand and local sand. All cement concrete works in the District of Uttar Dinajpur and Dakshin Dinajpur Shall be done with stone chips of Pakur variety when no specific mention is made in the description of item.*

**D-6**     *The Schedule of Rates will be enhanced due to various circumstances as mentioned below:-*

- (a) By 10% (Ten percent) for works done within the Hills region of Ajodhya in the District of Purulia (a region will be treated hills if the altitude is more than 200 Meters from the level of any adjoining area within 10 km.)*
- (b) By 5 % ( Five percent) for works done within the region of Khanakul-I & II Block under the District of Hooghly.*



# CHART FOR CONSUMPTION OF MATERIALS

Consumption of different materials of construction in the corresponding contract items of work shall be computed on the basis of the quantities shown in this table subject to a variation of plus/minus 5 (Five) per cent. For steel reinforcement, the variation may be permitted upto  $\pm 10\%$

**N.B. :** The statement is based on the following assumptions :

- (i) That dry sand with necessary allowance for bulking is used and (ii) that the size of bricks used shall be  $248 \times 120 \times 70$  mm or  $9\frac{3}{4}'' \times 4\frac{3}{4}'' \times 2\frac{3}{4}''$  for conventional bricks and  $(190 \times 90 \times 90$  mm) for modular bricks

Sl. No.	Description of Items	Unit	Name of Materials required	Quantity of Materials required	
1.	10 mm. cement plaster 1:2	% sq.m.	1. Cement 2. Sand	0.54 1.08	Cu.m. Cu.m
2.	-Do- 1:3	% sq.m.	1. Cement 2. Sand	0.40 1.20	Cu.m. Cu.m
3.	-Do- 1:4	% sq.m.	1. Cement 2. Sand	0.30 1.20	Cu.m. Cum.
4.	-Do- 1:6	% sq.m.	1. Cement 2. Sand	0.20 1.20	Cu.m. Cu.m
5.	15 mm cement plaster 1:2	% sq.m.	1. Cement 2. Sand	0.80 1.60	Cu.m. Cu.m
6.	-Do- 1:3	% sq.m.	1. Cement 2. Sand	0.60 1.80	Cu.m. Cu.m
7.	-Do- 1:4	% sq.m.	1. Cement 2. Sand	0.46 1.84	Cu.m. Cu.m
8.	-Do- 1:6	% sq.m.	1. Cement 2. Sand	0.30 1.80	Cu.m. Cu.m
9.	20 mm. cement plaster 1:3	% sq.m.	1. Cement 2. Sand	0.80 2.40	Cu.m. Cu.m
10.	-Do- 1:4	% sq.m.	1. Cement 2. Sand	0.60 2.40	Cu.m. Cu.m
11.	-Do- 1:6	% sq.m.	1. Cement 2. Sand	0.40 2.40	Cu.m. Cu.m
12.	25 mm. cement plaster 1:3	% sq.m.	1. Cement 2. Sand	0.884 2.65	Cu.m. Cu.m
13.	-Do- 1:4	% sq.m.	1. Cement 2. Sand	0.71 2.84	Cu.m. Cu.m

<i>Sl. No.</i>	<i>Description of Items</i>		<i>Unit</i>	<i>Name of Materials required</i>	<i>Quantity of Materials required</i>	
14.	25 mm. cement plaster	1:6	% sq.m.	1. Cement 2. Sand	0.472 cu.m. 2.84 cu.m	
15.	Cement flush / rule/ tuck pointing	1:3	% sq.m.	1. Cement 2. Sand	0.119 cu.m. 0.357 cu.m	
16.	-Do-	1:4	% sq.m.	1. Cement 2. Sand	0.091 cu.m. 0.366 cu.m	
17	Brick work in Cement mortar	1:2	cu.m.	1. Brick 2. Cement 3. Sand	389	Nos.
					0.15	cu.m.
					0.30	cu.m.
18	-Do-	1:3	cu.m.	1. Brick 2. Cement 3. Sand	389	Nos.
					0.107	cu.m.
					0.33	cu.m.
19	-Do-	1:4	cu.m.	1. Brick 2. Cement 3. Sand	389	Nos.
					0.083	cu.m.
					0.33	cu.m.
20	-Do-	1:5	cu.m.	1. Brick 2. Cement 3. Sand	389	Nos.
					0.066	cu.m.
					0.33	cu.m.
21	-Do-	1:6	cu.m.	1. Brick 2. Cement 3. Sand	389	Nos.
					0.055	cu.m.
					0.33	cu.m.
22	Brick work in composite mortar	1:1:6	cu.m.	1. Brick 2. Cement 3. Lime 4. Sand	389	Nos.
					0.0535	cu.m.
					0.0535	cu.m.
					0.33	cu.m.
23	Brick work in composite mortar	1:2:9	cu.m.	1. Brick 2. Cement 3. Lime 4. Sand	389	Nos.
					0.035	cu.m.
					0.071	cu.m.
					0.33	cu.m.
24	Brick work in cement mortar with modular/ fly ash brick	1:4	cu.m.	1. Brick 2. Cement 3. Sand	500	Nos.
					0.0805	cu.m.
					0.322	cu.m.

<i>Sl. No.</i>	<i>Description of Items</i>		<i>Unit</i>	<i>Name of materials required</i>	<i>Quantity of materials required</i>	
25	- Do -	1:6	cu.m.	1. Brick 2. Cement 3. Sand	500 0.0537 0.322	nos. cu.m. cu.m.
26	12.5 cm. thick Brick work	1:3	% sq.m.	1. Brick 2. Cement 3. Sand	4951 1.22 3.66	nos. cu.m. cu.m.
27	12.5 cm. thick Brick work	1:4	% sq.m.	1. Brick 2. Cement 3. Sand	4951 0.914 3.66	nos. cu.m. cu.m.
28	100 mm. thick brick work with modular / fly ash brick	1:4	% sq.m	1. Brick 2. Cement 3. Sand	5065 0.73 2.90	nos. cu.m. cu.m.
29.	75 mm thick brick work	1:3	% sq.m	1. Brick 2. Cement 3. Sand	3014 0.762 2.286	nos. cu.m. cu.m.
30.	75 mm thick brick work	1:4	% sq.m	1. Brick 2. Cement 3. Sand	3014 0.572 2.286	nos. cu.m. cu.m.
31.	Cement concrete with jhama chips	1:2:4	cu.m.	1. Jhama Chips (6 to 19 mm) 2. Sand 3. Cement	0.90 0.45 0.225	cu.m. cu.m. cu.m.
32.	Cement concrete with jhama chips	1:2½:5	cu.m.	1. Jhama Chips (6 to 19 mm) 2. Sand 3. Cement	0.93 0.465 0.186	cu.m. cu.m. cu.m.

<b>Sl. No.</b>	<b>Description of Items</b>		<b>Unit</b>	<b>Name of materials required</b>	<b>Quantity of materials required</b>	
33.	Cement concrete with jhama chips	1:3:6	cu.m.	1. Jhama Chips (6 to 19 mm) 2. Sand 3. Cement	0.93 0.48 0.16	cu.m. cu.m. cu.m.
34.	- Do -	1:4:8	cu.m.	1. Jhama Chips (6 to 19 mm) 2. Sand 3. Cement	0.98 0.49 0.122	cu.m. cu.m. cu.m.
35.	Cement concrete with stone chips	1:2:4	cu.m.	1. Stone chips (6 to 20 mm.) 2. Sand 3. Cement	0.88 0.44 0.22	cu.m. cu.m. cu.m.
36.	- Do -	1:1½:3	cu.m.	1. Stone chips (6 to 20 mm.) 2. Sand 3. Cement	0.86 0.43 0.286	cu.m. cu.m. cu.m.
37.	- Do -	1: 2 ½ : 3	cu.m.	1. Stone chips (6 to 20 mm.) 2. Sand 3. Cement	0.92 0.46 0.18	cu.m. cu.m. cu.m.
38.	- Do -	1:3:6	cu.m.	1. Stone chips (6 to 20 mm.) 2. Sand 3. Cement	0.94 0.47 0.156	cu.m. cu.m. cu.m.
39.	- Do -	1:4:8	cu.m.	1. Stone chips (6 to 20 mm.) 2. Sand 3. Cement	0.96 0.48 0.12	cu.m. cu.m. cu.m.

<b>Sl. No.</b>	<b>Description of Items</b>		<b>Unit</b>	<b>Name of materials required</b>	<b>Quantity of materials required</b>	
40	25 mm artificial stone floor with jhama chips(which includes 3mm thick neat cement finish)(cement in the consumption chart is exclusive of cement required for slurry purpose)	1:2:4	% sq.m	1.Jhama chips (5 to 12 mm.) 2.Sand 3.Cement	2.268 1.140 0.872	cu.m. cu.m. cu.m.
41	20 mm artificial stone floor with jhama chips(which includes 3mm thick neat cement finish)(cement in the consumption chart is exclusive of cement required for slurry purpose)	1:2:4	% sq.m	1.Jhama chips (5 to 12 mm.) 2.Sand 3.Cement	1.716 0.858 0.73	cu.m. cu.m. cu.m.
42	25 mm artificial stone floor with stone chips(which includes 3mm thick neat cement finish)(cement in the consumption chart is exclusive of cement required for slurry purpose)	1:2:4	% sq.m	1.Stone chips (5 to 12 mm.) 2.Sand 3.Cement	2.23 1.12 0.855	cu.m. cu.m. cu.m.

<b>Sl. No.</b>	<b>Description of Items</b>		<b>Unit</b>	<b>Name of materials required</b>	<b>Quantity of materials required</b>	
43	20 mm artificial stone floor with stone chips(which includes 3mm thick neat cement finish)(cement in the consumption chart is exclusive of cement required for slurry purpose)	1:2:4	% sq.m	1.Stone chips (5 to 12 mm.) 2.Sand 3.Cement	1.676 0.838 0.70	cu.m. cu.m. cu.m.
44	35 mm artificial stone floor with stone chips (which includes 3mm thick neat cement finish) (cement in the consumption chart is exclusive of cement required for slurry purpose)	1:2:4	% sq.m	1.Stone chips (5 to 12 mm.) 2.Sand 3.Cement	3.11 1.56 1.075	cu.m. cu.m. cu.m.
45	35 mm artificial stone floor with jhama chips (which includes 3mm thick neat cement finish) (cement in the consumption chart is exclusive of cement required for slurry purpose)	1:2:4	% sq.m	1.Jhama chips (5 to 12 mm.) 2.Sand 3.Cement	3.43 1.72 1.17	cu.m. cu.m. cu.m.
46	7.5 cm lime terracing in roof with brick khoa, surki, lime (7:2:2) Including finishing		sq.m	1.Brick Khoa 2.Surki 3.Lime	0.075 0.021 0.021	cu.m. cu.m. cu.m.
47	10 cm lime terracing in roof with brick khoa, surki, lime (7:2:2) Including finishing		sq.m	1.Brick Khoa 2.Surki 3.Lime	0.10 0.029 0.029	cu.m. cu.m. cu.m.

<b>Sl. No.</b>	<b>Description of Items</b>		<b>Unit</b>	<b>Name of materials required</b>	<b>Quantity of materials required</b>	
48	12.5 cm lime terracing in roof with brick khoa, surki, lime(7:2:2) Including finishing		sq.m	1. Brick Khoa 2.Surki 3.Lime	0.125 0.036 0.036	cu.m. cu.m. cu.m.
49	15 cm lime terracing in roof with brick khoa, surki, lime(7:2:2) Including finishing		sq.m	1. Brick Khoa 2.Surki 3.Lime	0.150 0.043 0.043	cu.m. cu.m. cu.m.
50	5 cm thick R. C. Slab with stone chips and with 0.8% reinforcement	1:2:4	% sq.m	1. Stone chips (6to 2 mm.) 2.Sand 3.Cement 4.Steel 5.Shuttering	4.47 2.23 1.12 322.60 100	cu.m. cu.m. cu.m. kg sq.m
51	7.5 cm thick R. C. Slab with stone chips and with 0.8% reinforcement	1:2:4	% sq.m	1. Stone chips (6to 20 mm.) 2.Sand 3.Cement 4.Steel 5.Shuttering	6.70 3.35 1.675 482.62 100	cu.m. cu.m. cu.m. kg sq.m
52	10 cm thick R. C. Slab with stone chips and with 0.8% reinforcement	1:2:4	% sq.m	1. Stone chips (6to 20mm.) 2.Sand 3.Cement 4.Steel 5.Shuttering	8.93 4.47 2.23 683.54 100	cu.m. cu.m. cu.m. kg sq.m
53	12.5 cm thick R. C. Slab with stone chips and with 0.8% reinforcement	1:2:4	% sq.m	1. Stone chips(6to20mm.) 2.Sand 3.Cement 4.Steel 5.Shuttering	11.18 5.59 2.80 787.44 100	cu.m. cu.m. cu.m. kg sq.m



<b>Sl. No.</b>	<b>Description of Items</b>	<b>Unit</b>	<b>Name of materials required</b>	<b>Quantity of materials required</b>	<b>Sl. No.</b>	<b>Description of Items</b>
54	15cm thick R. C. Slab with stone chips and with 0.8% reinforcement	1:2:4	% sq.m	1. Stone chips(6to20mm.) 2. Sand 3. Cement 4. Steel 5. Shuttering	13.4 6.7 3.35 955.08 100	cu.m. cu.m. cu.m. kg sq.m
55	Single Brick flat soling(conventional size)		sq.m	1.Brick	32	Nos
56	Brick on edge soling(conventional size)		sq.m	1.Brick	54	Nos
57	7.5 cm wide Brick-on edge edging (250 mm depth)		%m	1.Brick	820	Nos
58	7.5 cm wide Brick-on edge edging (125 mm depth)		%m	1.Brick	410	Nos
59	35 mm thick (finished) terrazzo work, cast in situ(using c.c. 1:2:4 backing with stone chips 12mm down)floor 9mm thick terrazzo topping, laying and finished to 6mm thick after final grinding in ordinary grey colour(cement in consumption chart is exclusive of cement required for <u>slurry@1.75 kg/sq.m</u> )		% sq.m	1.Grey cement 2.Coarse Sand 3.Stone Chips 4.Marble Chips 5.Marble Powder	1.05 1.30 2.60 1420 0.126	cu.m. cu.m. cu.m. kg cu.m.
60	-DO- In black or red colour		% sq.m	1.Grey cement 2.Coarse Sand 3.Stone Chips 4.Marble Chips 5.Marble Powder 6.pigment	1.05 1.30 2.60 1420 0.126 40	cu.m. cu.m. cu.m. kg cu.m. kg
61	-DO- In Silver Grey		% sq.m	1.Grey cement 2.Coarse Sand 3.Stone Chips 4.White Cement 5.Marble Chips 6. Marble Powder	0.85 1.30 2.60 0.20 1420 0.126	cu.m. cu.m. cu.m. cu.m. kg cu.m.

<b>Sl. No.</b>	<b>Description of Items</b>	<b>Unit</b>	<b>Name of materials required</b>	<b>Quantity of materials required</b>	
62	-DO- In Pink, Green, Yellow, Light Green colour	% sq.m	1.Grey Cement 2.Coarse Sand 3.Stone Chips 4. White Cement 5.Marble Chips 6. Marble Powder 7.Pigment	0.65 1.30 2.60 0.40 1420 0.126 40	cu.m. cu.m. cu.m. cu.m kg. cu.m. kg
63	35 mm thick (finished) terrazzo work, cast in situ (using c.c1:2:4 backing with stone chips 12mm down)floor 12mm thick terrazzo topping, laying and finished to 9mm thick after final grinding in ordinary grey colour(cement in consumption chart is exclusive of cement required for <u>slurry@1.75</u> kg/sq.m)	% sq.m	1.Grey cement 2.Coarse Sand 3.Stone Chips 4.Marble Chips 5.Marble Powder	1.146 1.16 2.32 1734 0.170	cu.m. cu.m. cu.m. kg cu.m
64	-DO- In black or red colour	% sq.m	1.Grey cement 2.Coarse Sand 3.Stone Chips 4.Marble Chips 5.Marble Powder 6.pigment	1.146 1.16 2.32 1734 0.170 57	cu.m. cu.m. cu.m. Kg Cu.m kg
65	-DO- In Silver colour	% sq.m	1.Grey cement 2.Coarse Sand 3.Stone Chips 4. White Cement 5.Marble Chips 6. Marble Powder	0.863 1.16 2.32 0.283 1734 0.170	cu.m. cu.m. cu.m. cu.m kg cu.m.
66	-DO- In Pink, Green, Yellow, Light Green	% sq.m	1.Grey cement 2.Coarse Sand 3.Stone Chips 4. White Cement 5.Marble Chips 6. Marble Powder 7.Pigment	0.58 1.16 2.32 0.566 1734 0.170 57	cu.m. cu.m. cu.m. cu.m kg. cu.m. Kg

<b>Sl. No.</b>	<b>Description of items</b>	<b>Unit</b>	<b>Name of materials required</b>	<b>Quantity of materials required</b>	
67	20 mm thick (finished) terrazzo work in floor with precast tiles set on 20 mm av. th. of lime / cement mortar 1:3 and sides with admixtures of pigment as and when necessary and white cement / grey cement in ordinary grey colour (cement in consumption chart is exclusive of cement required for slurry @ 1.75 Kg./m <sup>2</sup> )				
	(a) When sand cement mortar is used in bed	% sq.m	1.Grey cement 2.Coarse sand 3.Pigment	1.422 2.4 31	cu.m. cu.m. kg
	(b) When lime mortar is used in bed	% sq.m	1.Unslaked Lime 2.Surki 3.Grey Cement 4.Pigment	5.65 2.67 0.616 31	Quintals cu.m. cu.m. kg
68	-Do- In black and red colour				
	(a)when sand cement mortar is used in bed	% sq.m	1.Grey cement 2.Coarse sand 3.Pigment	1.422 2.4 31	cu.m. cu.m. kg
	(b) when lime mortar is used in bed	% sq.m	1.Unslaked Lime 2.Surki 3.Grey Cement 4.Pigment	5.65 2.67 0.616 31	Quintals cu.m. cu.m. kg
69	-Do- In Silver colour				
	(a)when sand cement mortar is used in bed	% sq.m	1.Grey cement 2.White cement 3.Coarse sand	1.268 0.154 2.4	cu.m. cu.m. cu.m.
	b) when lime mortar is used in bed	% sq.m	1.Unslaked Lime 2.Surki 3.Grey Cement 4. White cement	5.65 2.67 0.462 0.154	Quintals cu.m. cu.m. cu.m.

<i>Sl. No.</i>	<i>Description of Items</i>	<i>Unit</i>	<i>Name of materials required</i>	<i>Quantity of materials required</i>	
70	20 mm thick (finished) terrazzo work, in floor with precast tiles set on 20mm avg. thick of lime/cement mortar 1:3 and sides with admixtures of pigment as and when necessary and white cement /grey cement in Pink, Green, Yellow, Light Green colour				
	(a) when sand cement mortar is used in bed	% sq.m	1.Grey Cement 2.White Cement 3.Coarse sand 4.Pigment	1.114 0.308 2.4 31	cu.m. cu.m. cu.m. kg
	(b) when lime mortar is used in bed	% sq.m	1.Unslaked Lime 2.Surki 3.Grey Cement 4. White cement 5 Pigment	5.65 2.67 0.308 0.308 31	Quintals cu.m. cu.m. cu.m. kg
71(A)	Plaster with composite Mortar of cement, lime and sand with (1:2:9)				
	(a)35 mm thick	% sq.m	Cement	0.455	cu.m.
	(b)25 mm thick	% sq.m	Cement	0.325	cu.m.
	(c)20 mm thick	% sq.m	Cement	0.260	cu.m.
	(d)15 mm thick	% sq.m	Cement	0.200	cu.m.
71(B)	Plaster with composite Mortar of cement, lime and sand with (1:1:6)				
	(a)20 mm thick	% sq.m	Cement	0.390	cu.m.
	(b)15 mm thick	% sq.m	Cement	0.300	cu.m.
	(c)10 mm thick	% sq.m	Cement	0.198	cu.m.
72	Rubble Masonry in cement Mortar				
	(a) 1:6	cu.m.	1.Stone 2.Cement 3.Sand	1.25 0.065 0.385	cu.m. cu.m. cu.m.
	(b) 1:4	cu.m.	1.Stone 2.Cement 3.Sand	1.25 0.09 0.36	cu.m. cu.m. cu.m.

<b>Sl. No.</b>	<b>Description of Items</b>	<b>Unit</b>	<b>Name of materials required</b>	<b>Quantity of materials required</b>	
73	250 mm th. Masonry work with Autoclave aerated concrete blocks of size 625 mm x 250 mm x 125 mm in Cement Mortar (1:6)	cu.m.	1.Cement 2.Sand 3. Autoclave aerated concrete blocks	0.020 0.120 1.05	cu.m. cu.m. cu.m.
74	125 mm thick Autoclave aerated concrete blocks work with its size 625 mm x 250 mm x 125 mm in Cement Mortar (1:4).	% Sq.m	1.Cement 2.Sand 3. Autoclave aerated concrete blocks	0.25 1.00 12.80	cu.m. cu.m. cu.m.
75	100 mm thick Autoclave aerated concrete blocks work with its size 625 mm x 250 mm x 125 mm in Cement Mortar (1:4).	% Sq.m	1.Cement 2.Sand 3. Autoclave aerated concrete blocks	0.19 0.78 9.86	cu.m. cu.m. cu.m.
76	Ordinary Cement concrete (mix 1:2:4) with graded stone chips (6mm nominal size)	cu.m.	1. Stone chips 2.Cement 3.Sand	0.88 0.44 0.22	cu.m. cu.m. cu.m.
77	Masonry work with precast Hollow Concrete Block of size 300mm X 200mm X 150mm with cement mortar (6:1)	cu.m.	1.Cement 2.Sand 3. precast Hollow Concrete Block		cu.m. cu.m. cu.m.
78	100mm thick Masonry work with precast Hollow Concrete Block of size 400mm X 100mm X 150mm	% Sq.m	1.Cement 2.Sand 3. precast Hollow Concrete Block		Cu.m Cu.m Cu.m

**Quantity of Stone Aggregate to be considered for arriving consolidated rate of the following Cement Concrete related Items:**

<b>Sl. No.</b>	<b>Reference of Item</b>	<b>Description of Item</b>	<b>Qty. of Stone Aggregate to be considered per Cu.m. of Concrete</b>	<b>Remarks</b>
1)	Chapter – C; It. No. 5(a)	Ordinary Cement concrete (mix 1:2:4) with graded stone chips (20 mm nominal size) excluding shuttering and reinforcement, if any, in ground floor as per relevant IS codes. a) Pakur Variety	20 mm Nominal Size – 0.66 cu.m. 10 mm Nominal Size – 0.22 cu.m.	For arriving consolidated rate for all items use Table- T-1, T-2, T-3 and Annxure – II, Format - A
2)	Chapter – C; It. No. 6(a)(i) to 6(e)(i)	Controlled Cement concrete with well graded stone chips (20 mm graded nominal size) excluding shuttering and reinforcement with complete design of concrete as per IS :456 and relevant special publications, submission of job mix formula after preliminary mix design after testing of concrete cubes as per direction of Engineer-in-charge. Consumption of cement will not be less than 300 Kg of cement with Super plasticiser per cubic meter of controlled concrete but actual consumption will be determined on the basis of preliminary test and job mix formula. In ground floor and foundation. [using concrete mixture] (i) Pakur Variety		
		(a) M 20 Grade	20 mm Nominal Size – 0.54 cu.m. 10 mm Nominal Size – 0.36 cu.m..	
		(b) M 25 Grade	20 mm Nominal Size – 0.54 cu.m.. 10 mm Nominal Size – 0.36 cu.m.	
		(c) M 30 Grade	20 mm Nominal Size – 0.54 cu.m. 10 mm Nominal Size – 0.36 cu.m.	
		(d) M 35 Grade	20 mm Nominal Size – 0.54 cu.m.. 10 mm Nominal Size – 0.36 cu.m.	
		(e) M 40 Grade	20 mm Nominal Size – 0.54 cu.m. 10 mm Nominal Size – 0.36 cu.m.	
3)	Chapter – C; It. No. 7(a)	Ordinary Cement concrete (mix 1:1.5:3) with graded stone chips (20 mm nominal size) excluding shuttering and reinforcement if any, in ground floor as per relevant IS codes. (i) Pakur Variety	20 mm Nominal Size – 0.573 cu.m. 10 mm Nominal Size – 0.287 cu.m..	

<b>Sl. No.</b>	<b>Reference of Item</b>	<b>Description of Item</b>	<b>Qty. of Stone Aggregate to be considered per Cu.m. of Concrete</b>	<b>Remarks</b>
4)	Chapter – C; It. No. 9(A)(a) to 9(A)(e)	<p>Batch Mixed concrete of M 20 Grade with well Graded stone chips of 20 mm nominal size etc. etc. [with Batching Plant &amp; transit mixer], In Ground Floor and Foundation. [Pakur Variety].</p> <p>(i) Without approved concrete pump. (ii) With approved concrete pump.</p>	<p>20 mm Nominal Size – 0.54 cu.m. 10 mm Nominal Size – 0.36 cu.m.</p>	
		<p>Batch Mixed concrete of M 25 Grade with well Graded stone chips of 20 mm nominal size etc. etc. [with Batching Plant &amp; transit mixer], In Ground Floor and Foundation. [Pakur Variety].</p> <p>(i) Without approved concrete pump. (ii) With approved concrete pump.</p>	<p>20 mm Nominal Size – 0.54 cu.m. 10 mm Nominal Size – 0.36 cu.m.</p>	
		<p>Batch Mixed concrete of M 30 Grade with well Graded stone chips of 20 mm nominal size etc. etc. [with Batching Plant &amp; transit mixer], In Ground Floor and Foundation. [Pakur Variety].</p> <p>(i) Without approved concrete pump. (ii) With approved concrete pump.</p>	<p>20 mm Nominal Size – 0.54 cu.m. 10 mm Nominal Size – 0.36 cu.m.</p>	
		<p>Batch Mixed concrete of M 35 Grade with well Graded stone chips of 20 mm nominal size etc. etc. [with Batching Plant &amp; transit mixer], In Ground Floor and Foundation. [Pakur Variety].</p> <p>(i) Without approved concrete pump. (ii) With approved concrete pump.</p>	<p>20 mm Nominal Size – 0.54 cu.m. 10 mm Nominal Size – 0.36 cu.m.</p>	
		<p>Batch Mixed concrete of M 40 Grade with well Graded stone chips of 20 mm nominal size etc. etc. [with Batching Plant &amp; transit mixer], In Ground Floor and Foundation. [Pakur Variety].</p> <p>(i) Without approved concrete pump. (ii) With approved concrete pump.</p>	<p>20 mm Nominal Size – 0.54 cu.m. 10 mm Nominal Size – 0.36 cu.m.</p>	



<b>Sl. No.</b>	<b>Reference of Item</b>	<b>Description of Item</b>	<b>Qty. of Stone Aggregate to be considered per Cu.m. of Concrete</b>	<b>Remarks</b>
5)	Chapter – C; It. No. 9(B)(a) to 9(B)(e)	Supplying ready mixed concrete of M20 Grade with well graded stone chips of 20 mm nominal size etc. etc. In Ground Floor and Foundation. [Pakur Variety].  (i) Without approved concrete pump. (ii) With approved concrete pump.	20 mm Nominal Size – 0.54 cu.m. 10 mm Nominal Size – 0.36 cu.m.	
		Supplying ready mixed concrete of M25 Grade with well graded stone chips of 20 mm nominal size etc. etc. In Ground Floor and Foundation. [Pakur Variety].  (i) Without approved concrete pump. (ii) With approved concrete pump.	20 mm Nominal Size – 0.54 cu.m. 10 mm Nominal Size – 0.36 cu.m.	
		Supplying ready mixed concrete of M30 Grade with well graded stone chips of 20 mm nominal size etc. etc. In Ground Floor and Foundation. [Pakur Variety].  (i) Without approved concrete pump. (ii) With approved concrete pump.	20 mm Nominal Size – 0.54 cu.m. 10 mm Nominal Size – 0.36 cu.m.	
		Supplying ready mixed concrete of M35 Grade with well graded stone chips of 20 mm nominal size etc. etc. In Ground Floor and Foundation. [Pakur Variety].  (i) Without approved concrete pump. (ii) With approved concrete pump.	20 mm Nominal Size – 0.54 cu.m. 10 mm Nominal Size – 0.36 cu.m.	
		Supplying ready mixed concrete of M40 Grade with well graded stone chips of 20 mm nominal size etc. etc. In Ground Floor and Foundation. [Pakur Variety].  (i) Without approved concrete pump. (ii) With approved concrete pump.	20 mm Nominal Size – 0.54 cu.m. 10 mm Nominal Size – 0.36 cu.m.	

<p style="text-align: center;"><b>INDIAN STANDARDS FOR BUILDING WORKS</b></p> <p style="text-align: center;"><b>BUILDING CONSTRUCTION PRACTICE</b></p>		
<b>Sl. No</b>	<b>Specification for</b>	<b>Indian Standard No</b>
1	<i>Design of structural Timber (Fourth revision)</i>	883 : 1994
2	<i>Structural use of un-reinforced masonry (Third Revision)</i>	1905 : 1987
3	<i>Brick Work (First revision)</i>	2212 : 1991
4	<i>Construction of floor roof with joists and filler blocks: Part-I with hollow concrete filler block</i>	6061 (Part 1) :1971
5	<i>Construction of floor &amp; roof with joists &amp; filler block: Part 2 with hollow clay blocks joints and hollow clay filler block</i>	6061 (Part 2) :1981
6	<i>Construction of floor and roof with joists &amp; filler blocks: Part 3 precast hollow clay block joints and hollow clay filler block</i>	6061 (Part 3): 1981
7	<i>Construction of floor roof with joists &amp; filler blocks: Part 4 with hollow clay block slab panels</i>	6061 (Part 4): 1981
8	<i>Anti-termite measures in buildings part I constructional measures (First Revision)</i>	6313 (Part 1): 1981
9	<i>Anti-termite measures in buildings : Part 2 pre constructional chemical treatment measures (First Revision) (Amendment No.5)</i>	6313 (Part 2) :1981
10	<i>Antitermite measures in buildings Part 3 Existing buildings (First Revision) (Amendment No. 4)</i>	6313 (Part 3): 1981
11	<i>Installation of Joints in concrete pavements (First revision)</i>	6509 : 1985
12	<i>Construction of reinforced brick and R.B.C floor and roofs</i>	10440 :1983
13	<i>Setting out of buildings</i>	11134 :1984
14	<i>No fines cast in situ cement concrete</i>	12727 :1989
15	<i>Sand for masonry mortars (first revision)</i>	2116 :1980
16	<i>Polysulphide base joints sealants : Part 1 General requirements</i>	11433 (Part 1) : 1985
17	<i>Polysulphide base joints sealants : Part 2 General requirements Methods of test</i>	11433 (Part 2) : 1986
18	<i>Polysulphide based sealants: Part 1. General requirement</i>	12118 (Part 1) : 1987
19	<i>Polysulphide based sealants : Part 2 methods of test</i>	12118 (Part 2) : 1987

<b>BUILDING LIMES AND LIME PRODUCT</b>		
<b>Sl. No</b>	<b>Specification for</b>	<b>Indian Standard No</b>
20	Field slaking of building lime & preparation of putty (2 <sup>nd</sup> revision)	1653 : 1992
21	Preparation of use of lime puzzolona mixture concrete in Building & Roads (1 <sup>st</sup> revision)	5817 : 1992
22	Method of field testing of building lime (1 <sup>st</sup> revision)	1624 : 1986

### **CEMENT & CONCRETE**

23	Plain & reinforced concrete (Fourth revision)	456 : 2000
24	Prestressed Concrete (first revision) (Amendment No 1)	1343 : 1980
25	Concrete structures for the storage of liquids: Part 1 general requirements (Amendment No 1)	3370 (Part 1) : 1965
26	Concrete structures for the storage of liquids: Part 2 Reinforced concrete structures (Amendment No-2)	3370 (Part 2) : 1967
27	Concrete structure for the storage of liquids: Part 3 Prestressed concrete structures (Amendment No 1)	3370 (Part 3) : 1967
28	Concrete structures for the storage of liquids Part 4: Design table (Amendment No. 2)	3370 (Part 4) : 1967
29	Use of immersion vibrators for consolidating concrete (first revision)	3558 : 1983
30	Extreme Weather concreting: Recommended practice for hot weather concreting. (Amendment No. 1)	7861 (Part 1) 1975
31	Extreme Weather concreting: Recommended practice for hot weather concreting. (Amendment No. 1)	7861 (Part 2): 1981
32	Methods of non-destructive testing of concrete : Part 1 Ultrasonic pulse velocity	13311 (Part 1) : 1992
33	Methods of non-destructive testing of concrete: Part 2: Rebound hammer	13311 (Part 2) : 1992
34	Methods of Sampling & analysis of concrete	1199 : 1959
35	Recommended guidelines for concrete mix design	10262 : 1982
36	Concrete slump test apparatus	7320 : 1974
37	Ready mixed concrete (2nd revision)	4926 : 2003.
38	Artificial lightweight aggregates for concrete masonry units	9142 : 1979

<b>CEMENT MATRIX PRODUCT</b>		
<b>Sl. No</b>	<b>Specification for</b>	<b>Indian Standard No</b>
39	Construction of lightweight concrete block masonry	6042 : 1969
40	Concrete masonry units Part I Hollow and Solid concrete blocks (Second Revision) (Amendment No 1)	2185 : (Part 1) : 1979
41	Concrete masonry units Part 2 Hollow and Solid lightweight concrete blocks (first revision)	2185 : (Part 2) : 1983
42	Reinforced concrete fence posts (First Revision)	4996 : 1984
43	Precast concrete coping blocks (First Revision)	5751 : 1984
44	Precast concrete kerbs (first revision)	5758 : 1984
45	Precast reinforced concrete door & window frames (first revision)	6523 : 1983
46	Precast reinforced concrete plant guards	9375 : 1979
47	Precast concrete septic tanks	9872 : 1981
48	Precast concrete blocks for lintels and sills (Amendment No-I)	9893 : 1981
49	Precast concrete manhole covers and frames: Part 1 Covers (Amendment No 3)	12592 (Part 1) : 1988
50	Precast concrete manhole covers and frames : Part 2 frames	12592 (Part 2) : 1991

<b>CLAY PRODUCTS FOR BUILDING</b>		
<b>Sl. No</b>	<b>Specification for</b>	<b>Indian Standard No</b>
51	Common burnt clay building bricks (Fifth Revision)	1077 : 1992
52	Heavy duty burnt clay building bricks ( Third Revision)	2180 : 1988
53	Burnt clay flat terracing tiles : Part 1 Machine made (Second Rev.)	2690 (Part 1) : 1993
54	Burnt clay flat terracing tiles : Part 2 Hand Made (Second Rev.)	2691 (Part II) : 1992
55	Revision) Burnt clay facing bricks (Second Revision)	2691 : 1988
56	Burnt clay paving bricks (Second Revision)	3583 : 1988

<b>CONCRETE REINFORCEMENT</b>		
<b>Sl. No</b>	<b>Specification for</b>	<b>Indian Standard No</b>
57	Mild steel and medium tensile steel bars and hard drawn steel wire for concrete reinforcement Part 1 Mild Steel and medium tensile Steel bars (Third Revision)	432 (Part I) : 1982
58	Mild steel and medium tensile steel bars and hard drawn steel wire for concrete reinforcement Part 2 Hard Drawn Steel wire (Third Revision)	432 (Part II) : 1982
59	High strength deformed steel bars and wires for concrete reinforcement (Third Revision) Amendment No.1	1786 : 1985

<b>CONSTRUCTION MANAGEMENT</b>		
<b>Sl. No</b>	<b>Specification for</b>	<b>Indian Standard No</b>
60	Unified nomenclature of workmen for civil engineering	10302 : 1982

<b>DOOR, WINDOWS AND SHUTTERS</b>		
<b>Sl. No</b>	<b>Specification for</b>	<b>Indian Standard No</b>
61	Aluminium doors, windows and ventilators.	1948 : 1961
62	Aluminium windows for industrial building (Amendment No.1)	1949 : 1961
63	Wooden flush doors shutters (Cellular and hollow core type ) : Part 2 Particle board and hard board face panels (Third revision)	2191 : (Part 2) : 1983
64	Wooden flush doors shutters (Solid core type) Part-1 Ply wood face panels (Sixth Revision)	2202 (Part 1) : 1999
65	Wooden flush doors shutters (Solid core type) Part-2 particle board face panels and hard board (Third Revision)	2202 (Part 2) : 1983
66	Steel doors frames (Second Revision) (Amendment No.2)	4351 : 2003
67	Wooden side sliding doors	4962 : 1968
68	Collapsible gate	10521 : 1983

<b><i>EARTHQUAKE ENGINEERING</i></b>		
<b><i>Sl. No.</i></b>	<b><i>Specification for</i></b>	<b><i>Indian Standard No.</i></b>
69	<i>Earthquake resistant design &amp; construction of buildings (Second Revision) (Amendment No. 1)</i>	4326 : 1993
70	<i>Criteria for earthquake resistant design of structures (Fourth Revision) (Amendment No. 1)</i>	1893 : 2002
71(a)	<i>Improving earthquake resistant low strength masonry buildings – Guidelines (Amendment No. 1)</i>	13828 : 1993
71(b)	<i>Ductile detailing of reinforced concrete structure subjected to seismic forces</i>	13920 : 1993

<b><i>FIRE FIGHTING</i></b>		
<b><i>Sl. No</i></b>	<b><i>Specification for</i></b>	<b><i>Indian Standard No</i></b>
72	<i>Selection, installation and maintenance of automatic fire detection and alarm system (Second Revision)</i>	2189 : 1988
73	<i>Selection, installation and maintenance of portable first aid fire extinguishers (Third Revision)</i>	2190 : 1992
74	<i>Installation and maintenance of internal fire hydrants and hose reels on premises (First Revision)</i>	3844 : 1989
75	<i>Selection, Operation and maintenance of special fire fighting appliances: Part:1 combined foam and crash tender</i>	5896 (Part 1) : 1970

<b><i>FIRE SAFETY</i></b>		
<b><i>Sl. No</i></b>	<b><i>Specification for</i></b>	<b><i>Indian Standard No</i></b>
76	<i>Fire Safety of building (General) : General Principles of fire grading &amp; classification (First Revision)</i>	1641 : 1988
77	<i>Fire Safety of buildings (General) : Details of construction (First Revision)</i>	1642 : 1989
78	<i>Fire safety of buildings (General) : Exposure hazard construction (First Revision)</i>	1643 : 1988

<b>FLOORING, WALL FINISHING &amp; ROOFING</b>		
<b>Sl. No</b>	<b>Specification for</b>	<b>Indian Standard No</b>
79	<i>Chequered Cement concrete tiles specification</i>	<i>13801 : 1993</i>
80	<i>Magnesium oxychloride composition floors (Second Revision)</i>	<i>658 : 1982</i>
81	<i>Laying Bitumen mastic flooring (Second Revision)</i>	<i>1196 : 1978</i>
82	<i>Laying of rubber floors (First Revision)</i>	<i>1197 : 1970</i>
83	<i>Laying, fixing and maintenance of linoleum floor (First Revision)</i>	<i>1198 : 1982</i>
84	<i>Application of cement and cement lime plaster finishes (First Revision)</i>	<i>1661 : 1972</i>
85	<i>Laying in situ terrazzo floor finish (First Revision)</i>	<i>2114 : 1984</i>
86	<i>Application of lime plaster finish (First Revision)</i>	<i>2394 : 1984</i>
87	<i>External rendered finishes</i>	<i>2402 : 1963</i>
88	<i>Laying in-situ cement concrete flooring (First Revision)</i>	<i>2571 : 1970</i>
89	<i>Use of silicate type chemical resistant mortars (First Revision)</i>	<i>4441 : 1980</i>
90	<i>White washing and colour washing</i>	<i>6278 : 1971</i>
91	<i>Laying of bitumen mastic flooring for industries handling LPG and other light hydrocarbon products</i>	<i>13074 : 1991</i>
92	<i>Bitumen mastic for flooring (Second Revision)</i>	<i>1195 : 1978</i>
93	<i>Cement concrete flooring Tiles (First Revision)</i>	<i>1237 : 1980</i>
94	<i>Sand for plaster (Second Revision)</i>	<i>1542 : 1992</i>

<b>FUNCTIONAL REQUIREMENT IN BUILDINGS</b>		
<b>SL. No.</b>	<b>Specification for</b>	<b>Indian Standard No</b>
95	<i>Sound Insulation of non-industrial buildings(Amendment No. 1)</i>	<i>1950:1962</i>
96	<i>Acoustical design of auditoriums and conference halls (Amendment No. 1)</i>	<i>2526:1963</i>
97	<i>Industrial ventilation of residential buildings(First revision)</i>	<i>3103:1975</i>
98	<i>Noise reduction in industrial buildings</i>	<i>3483:1965</i>
99	<i>Acoustics in buildings</i>	<i>9736:1981</i>
100	<i>Sound Insulation of building and of building elements: part 1 Airborne sound insulation in buildings and of building elements</i>	<i>11050(Part1):1984</i>
101	<i>Sound Insulation of building and of building elements: part 2 impact sound insulation in buildings and of building elements</i>	<i>11050(Part2):1984</i>
102	<i>Rating of Sound Insulation of building and of building elements: part 3 Airborne sound insulation of facade elements and facades</i>	<i>11050(Part3):1984</i>
103	<i>Buildings and facilities for the physically handicapped(first revision)</i>	<i>4963:1987</i>
104	<i>Orientation of buildings:Part1 Non-industrial buildings</i>	<i>7662(Part 1):1974</i>

<b>HILL AREA DEVELOPMENT ENGINEERING</b>		
105	<i>Retaining wall for hill area : Part 1 Selection type of wall</i>	<i>14458 (Part 1) : 1998</i>
106	<i>Retaining wall for hill area : Part 2 Design of retaining / breast walls</i>	<i>14458 (Part 2) : 1997</i>
107	<i>Retaining wall for hill area : Part 3 construction of dry stone walls</i>	<i>14458 (Part 3) : 1998</i>
108	<i>Land slide controls</i>	<i>14680 : 1999</i>



<b>HOUSING</b>		
<b>Sl.No</b>	<b>Specification for</b>	<b>Indian Standard No</b>
109	Design and construction of floors and roofs with precast reinforced planks and RC joists	13994:1994
110	Design and construction of floors and roofs with prefabricated brick panel	14142:1994
111	Construction of floor and roof with RC channel units	14215:1994
112	precast reinforced concrete planks and joists for flooring and roofing	13990:1994
113	prefabricated brick panel and partially precast concrete joists for flooring and roofing	14143:1994
114	precast reinforced concrete channel unit for construction of floors and roofs	14201:1994
115	Precast L-panel units for roofing	14241:1994

<b>METHODS OF MEASUREMENT OF WORKS OF CIVIL ENGINEERING</b>		
<b>Sl.No</b>	<b>Specification for</b>	<b>Indian Standard No</b>
116	Measurements of building and civil engineering works: Part 1; Earthwork(fourth revision)	1200(part1):1992
117	Measurements of building and civil engineering works: Part 2 concrete(third revision)	1200(part2):1974
118	Measurements of building and civil engineering works: Part 3 brickwork(third revision)	1200(part3):1976
119	Measurements of building and civil engineering works: Part 4 Stone masonry(third revision)	1200(part4):1976
120	Measurements of building and civil engineering works: Part 5 form work(third revision) (Amendment no-1)	1200(part5):1982
121	Measurements of building and civil engineering works: Part 6 Refractory work(second revision)	1200(part6):1974
122	Measurements of building and civil engineering works: Part 7 Hardware(Second revision) (Amendment no-2)	1200(part7):1972
123	Measurements of building and civil engineering works: Part 8 Steel Work & Iron Work(fourth revision)	1200(part8):1993
124	Measurements of building and civil engineering works: Part 9 Roof covering(including cladding)( Second revision) (Amendment no-1)	1200(part9):1973
125	Measurements of building and civil engineering works: Part 10 Ceiling & Lining(Second revision) (Amendment no-2)	1200(part10):1973
126	Measurements of building and civil engineering works: Part 11 Paving, floor finishes, dado & skirting(Third revision) (Amendment no-1)	1200(part11):1977
127	Measurements of building and civil engineering works: Part 12 Plastering & Pointing (Third revision)	1200(part12):1976
128	Measurements of building and civil engineering works: Part 13 white washing, colour Washing, distempering & painting of building surfaces(fifth revision)	1200(part13):1994

129	<i>Measurements of building and civil engineering works: Part 14 Glazing (Third revision)</i>	1200(part14):1984
130	<i>Measurements of building and civil engineering works: Part 15 painting, polishing, varnishing etc. (fourth revision)</i>	1200(part15):1987
131	<i>Measurements of building and civil engineering works: Part 16 laying of water &amp; sewer lines including appurtenant items (third revision)</i>	1200(part16):1979
132	<i>Measurements of building and civil engineering works: Part 18 demolition &amp; dismantling (third revision)</i>	1200(part18):1974
133	<i>Measurements of building and civil engineering works: Part 19 Water supply, plumbing &amp; drains (third revision)</i>	1200(part19):1981
134	<i>Measurements of building and civil engineering works: Part 21 Wood work &amp; joinery (second revision) (Amendment no-1)</i>	1200(part 21):1973
135	<i>Measurements of building and civil engineering works: Part 22 materials</i>	1200(part22):1982
136	<i>Measurements of building and civil engineering works: Part 23 pilling (fourth revision)</i>	1200(part23):1988
137	<i>Measurements of building and civil engineering works: Part 24 Well foundation (third revision)</i>	1200(part24):1983
138	<i>Measurements of building and civil engineering works: Part 27 Earth work done by mechanical appliances</i>	1200(part27):1992
139	<i>Measurements of building and civil engineering works: Part 28 Sound insulation works</i>	1200(part28):1992
140	<i>Measurements of plinth, carpet &amp; rentable area of buildings (first revision) (Amendment no-3)</i>	3861:1975

<b><i>PAINTING, VARNISHING AND ALLIED FINISHES</i></b>		
<b><i>Sl No</i></b>	<b><i>Specification for</i></b>	<b><i>Indian Standard No</i></b>
141	<i>Painting of ferrous metals in buildings: Part 1 Pretreatment (first revision)</i>	1477(part1):1971
142	<i>Painting of ferrous metals in buildings: Part 2 Painting (first revision)</i>	1477(part2):1971
143	<i>Finishing of wood &amp; wood based materials: Part 1 operations and workmanship</i>	2338(part1):1967
144	<i>Finishing of wood &amp; wood based materials: Part 2 Schedules</i>	2338(part2):1967
145	<i>Painting concrete, masonry and plastered surfaces :Part 1 operations and workmanship (first revision)</i>	2395(part 1):1994
146	<i>Painting concrete, masonry and plastered surfaces :Part 2 Schedules (first revision)</i>	2395(part 2):1994

<b>PUBLIC HEALTH ENGINEERING</b>		
<b>Sl No</b>	<b>Specification for</b>	<b>Indian Standard No</b>
147	Basic requirement for water supply drainage and sanitation (Fourth revision)	1172:1993
148	Building drainage (Second revision)	1742:1983
149	Selection, installation and maintenance of sanitary appliances (Second revision)	2064:1983
150	Water supply in building(Second revision)	2065:1983
151	Installation of septic tanks: Part 1 design, criteria and construction (Second revision)	2470(part 1):1985
152	Installation of septic tanks: Part 2 secondary treatment and disposal of septic tank effluent (Second revision)	2470(part 2):1985
153	Laying of cast iron pipes (Second revision)	3114:1994
154	Ancillary structures in sewerage system: Part 1 Manholes (First revision)	4111(Part 1):1986
155	Ancillary structures in sewerage system: Part 2 flushing tanks (First revision)	4111(Part 2):1986
156	Laying of glazed stoneware pipes (First revision)	4127:1983
157	Sanitary pipe works above ground for buildings (First revision)	5329:1983
158	Plumbing in multistoried buildings: Part 1 Water supply	12183(part 1):1987
159	Drainage of building's basement	12251:1987

<b>SAFETY IN CONSTRUCTION</b>		
<b>Sl No</b>	<b>Specification for</b>	<b>Indian Standard No</b>
160	Steel tubular scaffolding:Part2 Safety regulations for scaffolding	4014(part 2):1967
161	Preventive measures against hazards at work places: Part 1 falling material hazards prevention	13416(part 1):1992
162	Preventive measures against hazards at work places: Part 2 fall prevention	13416(part 2):1992
163	Preventive measures against hazards at work places: Part3 disposal of debris	13416(part 3):1994
164	Preventive measures against hazards at work places: Part4 timber structures	13416(part 4):1994
165	Preventive measures against hazards at work places: Part5 timber structures	13416(part 5):1994

<b>STONES</b>		
<b>Sl. No</b>	<b>Specification for</b>	<b>Indian Standard No</b>
166	Marble (blocks, slabs and tiles)	1130:1969
167	Sandstone (slabs and tiles)(First revision)	3622:1977

#### **STRUCTURAL SAFETY**

<b>Sl. No</b>	<b>Specification for</b>	<b>Indian Standard No</b>
168	Design loads (other than earthquake) for buildings and structures Part 1 Dead Load-unit weights of building	875(part 1):1987
169	Design loads (other than earthquake) for buildings and structures Part 2 Imposed Load (Second revision)	875(part 2):1987

#### **STRUCTURAL SECTIONS**

<b>Sl. No</b>	<b>Specification for</b>	<b>Indian Standard No</b>
170	Aluminium bulb angles Marine application (first revision)	6449:1987
171	Aluminium channels (first revision)	3921:1985
172	Aluminium equal leg angles (first revision)	3908:1986
173	Aluminium I-beam(first revision)	5384:1985
174	Aluminium T-bars for Marine application(first revision)	6475:1987
175	Aluminium T sections (first revision)	6445:1985
176	Aluminium unequal leg angles (first revision)	3909:1986
177	Light Gauge structural steel sections (revised)	811:1987

#### **TIMBER AND TIMBER STORES**

<b>Sl. No</b>	<b>Specification for</b>	<b>Indian Standard No</b>
178	Door and Window shutters and frames	12896:1990
179	Furniture and cabinets	13662:1993
180	Bamboos for structural purposes	9096:1979

#### **WATER PROOFING AND DAMP PROOFING**

<b>Sl. No</b>	<b>Specification for</b>	<b>Indian Standard No</b>
181	Lime concrete for a water proofed roof finish (second revision)	3036:1992
182	Application of bituminous mastic for water proofing of roofs	4365:1967
183	Water proofing of underground water reservoirs and swimming pools (first revision)	6494:1988
184	Damp-proofing using bituminous mastic	7198:1974
185	Bituminous mastic for use in water proofing of roofs (first revision)	3037:1986
186	Silicon based water repellents	12027:1987

**For overall guidance and reference latest edition of National Building Code of India, may be consulted.**

**SECTION 1. -----BUILDING WORKS**  
**(A) EARTH WORK, ANTITERMITE TREATMENT**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurdwar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
1	Surface Dressing of the ground in any kind of soil including removing vegetation inequalities not exceeding 15 cm depth and disposal of the rubbish within a lead upto 75 m as directed.	Sq.m	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
2	Earth work in excavation of foundation trenches or drains, in all sorts of soil (including mixed soil but excluding laterite or sandstone) including removing, spreading or stacking the spoils within a lead of 75 m. as directed. The item includes necessary trimming the sides of trenches, levelling, dressing and ramming the bottom, bailing out water as required complete.																	
	(a) Depth of excavation not exceeding 1,500 mm.	%Cum	11927	11927	11927	11927	11927	11927	11927	11927	11927	11927	11927	11927	11927	11927	11927	
	(b) Depth of excavation for additional depth beyond 1,500 mm. and upto 3,000 mm. but not requiring shoring.	%Cum	19238	19238	19238	19238	19238	19238	19238	19238	19238	19238	19238	19238	19238	19238	19238	
	(c) Depth of excavation for additional depth beyond 3000 mm. upto 4000mm. excluding cost of shoring as necessary.	%Cum	23470	23470	23470	23470	23470	23470	23470	23470	23470	23470	23470	23470	23470	23470	23470	
	d) Add extra for excavation in morum soil	%Cum	-	2082	2082	2082	-	2082	2082	2082	2082	2082	2082	-	-	-	-	
	e) Add extra for cutting laterite/sandstone																	
	1) Cutting with chisel	%Cum	-	17475	17475	17475	-	17475	17475	17475	-	-	-	17475	-	-	-	
	2) by blasting operation	%Cum	-	21127	21127	21127	-	21127	21127	21127	-	-	-	21127	-	-	-	
3	Earth work in filling in foundation trenches or plinth with good earth, in layers not exceeding 150 mm. including watering and ramming etc. layer by layer complete. (Payment to be made on the basis of measurement of finished quantity of work)																	
	(a) With earth obtained from excavation of foundation.	%Cum	7754	7754	7754	7754	7754	7754	7754	7754	7754	7754	7754	7754	7754	7754	7754	

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**(A) EARTH WORK, ANTITERMITE TREATMENT**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
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	(b) With earth obtained by fresh excavation (including cost of excavation upto 1,800 mm. depth) from land arranged by the Deptt. within a lead of 100 m.	%Cum	13718	13718	13718	13718	13718	13718	13718	13718	13718	13718	13718	13718	13718	13718	13718	
	(c) (i) With carried earth arranged by the contractor within a radius of 1 km. including cost of carried earth.	%Cum	31271	31271	31271	31271	31271	31271	31271	31271	31271	31271	31271	31271	31271	31271	31271	
	(ii) With carried earth arranged by the contractor within a radius of 3 km. including cost of carried earth.	%Cum	35541	35541	35541	35541	35541	35541	35541	35541	35541	35541	35541	35541	35541	35541	35541	
	(iii) With carried earth arranged by the contractor within a radius exceeding 3 km. but not exceeding 5 km. including the cost of carried earth.	%Cum	39901	39901	39901	39901	39901	39901	39901	39901	39901	39901	39901	39901	39901	39901	39901	
	(iv) With carried earth arranged by the contractor within a radius exceeding 5 km. but not exceeding 10 km. including cost of carried earth.	%Cum	49179	49179	49179	49179	49179	49179	49179	49179	49179	49179	49179	49179	49179	49179	49179	
4	(A) Filling in foundation or plinth by silver sand in layers not exceeding 150 mm as directed and consolidating the same by thorough saturation with water, ramming complete including the cost of supply of sand. (payment to be made on measurement of finished quantity)	%Cum	93621	52107	-	-	71181	54351	37521	37521	65571	59961	43131	-	52107	43131	48741	
	(B) Do - by fine sand	%Cum	104841	54351	48741	48741	76791	71181	50985	48741	76791	71181	71181	144111	63327	63327	59961	
5	Earth work in filling in compound, tank, low land, ditches etc. with good earth, in layers not exceeding 150 mm. including breaking clods and consolidating the same by ramming and dressing complete. (Payment will be made on profile measurement before and after the work)																	

**SECTION 1. -----BUILDING WORKS**  
**(A) EARTH WORK, ANTITERMITE TREATMENT**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurdwar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
	(a) With earth obtained by fresh excavation upto 1800 mm. depth (including the cost of excavation from land arranged by the Deptt. within a lead of 100 m.)	%Cum	17218	17218	17218	17218	17218	17218	17218	17218	17218	17218	17218	17218	17218	17218	17218	
	(b) (i) With carried earth arranged by the contractor within a radius of 3 km. including cost of carried earth.	%Cum	37982	37982	37982	37982	37982	37982	37982	37982	37982	37982	37982	37982	37982	37982	37982	
	(ii) With carried earth arranged by the contractor within a radius exceeding 3 km. but not exceeding 5 km. including the cost of carried earth.	%Cum	41958	41958	41958	41958	41958	41958	41958	41958	41958	41958	41958	41958	41958	41958	41958	
	(iii) With carried earth arranged by the contractor within a radius exceeding 5 km. but not exceeding 10 km. including cost of carried earth.	%Cum	51236	51236	51236	51236	51236	51236	51236	51236	51236	51236	51236	51236	51236	51236	51236	
6	Hire and labour charges for shoring work (including necessary close plank walling, framing, Eucalyptus/Jhou bulla piling, strutting etc) complete as per direction of the Engineer-in-charge for foundation excavation (vertical surface are in contact with supported earth is to be measured.) (This item should be executed on specific direction of the Enginner in charge).																	
	(a) Depth upto 1.5 m.	Sq.M.	386	376	375	376	386	375	367	367	376	376	376	386	376	376	376	
	(b) For additional depth beyond 1.5 m. and upto 3.00 m	Sq.M.	439	429	428	429	439	428	420	420	429	429	429	439	429	429	429	
	(c) For additional depth beyond 3.00 m.	Sq.M.	498	488	487	488	498	487	479	479	489	489	488	498	488	488	488	
	(d) (i) For basement work and Depth upto 1.50 m.	Sq.M.	532	521	520	521	532	520	512	512	522	522	521	532	521	521	521	
	(ii) For basement work and Depth beyond 1.50 m and upto 3.00 m.	Sq.M.	590	579	578	579	590	578	570	570	580	580	579	590	579	579	579	

**SECTION 1. -----BUILDING WORKS**  
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Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurdwar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
	(iii) For basement work and Depth beyond 3.00 m.	Sq.M.	626	616	614	615	625	614	607	607	616	616	616	626	616	616	616	
7	Bailing or pumping out water from foundation trenches.	% Cum	2088	2088	2088	2088	2088	2088	2088	2088	2088	2088	2088	2125	2088	2088	2088	
	<i>This item should be executed on the specific direction of the Engineer-in-charges when he is satisfied in his absolute discretion, that this has not been necessitated due to any fault on the part of the contractor</i>																	
	<i>(Payment, if permitted, will be made on the quantity of water calculated on the basis of initial and final water level measured before starting and completion of each days work which necessitates a bailing / pumping of water from the trench. The final level of water to be measured, will depend on the level at which the day's work will be taken up. The rate includes any seepage water that may percolate in the trench during pumping)</i>																	
8	Pumping out water from ponds or tanks	% Cum	1044	1044	1044	1044	1044	1044	1044	1044	1044	1044	1044	1063	1044	1044	1044	
	<i>(Payment if permitted will be made on the quantity of water calculated on the basis of initial water level and final level on consideration being made for any water that may have been added through percolation or otherwise)</i>																	
9	Extra over the corresponding item of earth work for removing semi liquid mud or slushy earth by iron pans, buckets etc.	% Cum	2658	2658	2658	2658	2658	2658	2658	2658	2658	2658	2658	2658	2658	2658	2658	
	<i>(This item is to be done with specific approval of Engineer-in-charge)</i>																	



**SECTION 1. -----BUILDING WORKS**  
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Item No.	Description of Items	Unit	Rate (Rs.)														REMARKS	
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri,Alipurdwar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS		Uttar/ Dakshin Dinajpur Dist.
10	<b>Pre-Constructional Anti-termite measures:</b> (a) Anti termite treatment to bottom surface ( in case of masonry foundation and basements) and the sides (upto a height of 300 mm. from bottom) of the excavation trenches with chemical emulsion by admixing chloropyrofos emulsifiable concentrates (1% concentration) with water by weight at the rate of 5 Litres per sq. m. area. The work shall be carried out as per specification described in 6.2.1. of code IS-6313 (part -II) 1981. (Mode of measurment will be the plan area of foundation treated.)	Sq.M.	93	93	93	93	93	93	94	94	94	94	94	94	94	93	93	
	(b) Anti termite treatment to back filling of the masonry foundation with chemical emulsion by admixing chloropyrofos emulsifiable concentrates ( 1% concentration) with water by weight at the rate of 7.5 Litres per sq. m. of the vertical surface of the substructure for each side of the foundation.. The work shall be carried out as per specification described in 6.2.2. of code IS-6313 (part -II) 1981. (Mode of measurment will be vertical area treated.)	Sq.M.	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	

**SECTION 1. -----BUILDING WORKS**  
**(A) EARTH WORK, ANTITERMITE TREATMENT**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurdwar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
	(c) Anti termite treatment to the top surface of the consolidated earth within plinth walls with chemical emulsion by admixing chloropyrofos emulsifiable concentrates (1% concentration) with water by weight at the rate of 5 Litres per sq. m. of the surface before sand bed or sub-grade is laid. Holes upto 50 mm. to 75 mm. deep at 150 mm. centre to centre both ways shall be made with 12 mm. diameter mild steel rod on the surface to facilitate saturation of the soil with the chemical emulsion. The work shall be carried out as per specification described in para 6.4 of code IS-6313 (part -II) 1981. ( Mode of measurment will be per Sq.m of plan area of plinth treated.)	Sq.M.	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	
	(d) Treatment to the back filling of R.C.C. foundation with chemical emulsion by admixing chloropyrofos emulsifiable concentrate (1% concentration) with water by weight at the rate of 7.5 ltr. per sq.m. of the vertical surface of the substructure of each side of the foundation. The work shall be carried out as per specification as described in para 6.3.1 of code IS-6313 (part-II) 1981 (Mode of measurement will be per sq.m. of vertical area of foundation treated).	Sq.m.	137	137	137	137	137	137	137	137	137	137	137	137	137	137	137	

**SECTION 1. -----BUILDING WORKS**  
**(A) EARTH WORK, ANTITERMITE TREATMENT**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri,Alipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
11	<b>Post Constructional Measures :</b> (a) Anti-termite treatment to the outside of foundations with chemical emulsion by admixing chloropyrofos emulsifiable concentrates (1%concentration) with water by weight including cutting shallow channel by excavating soil along and close to the wall face ensuring uniform dispersal of the chemical emulsion to a depth of 300mm. from the ground level by rodding with 12mm. dia. M.S. rod at 150mm.interval in the channel. 1.75 litres of chemical emulsion per metre length shall be used and a balance quantity of 0.5 litres of the chemical emulsion per running metre shall then be used to treat the back fill earth by directing the spray of the imulsion towards the wall surface. The entire work is to be carried out as per specification laid down in para 4.3.1.1 of code IS-6313 (Part-III) 1981.	Mtr	72	72	72	72	72	72	72	72	72	72	72	72	72	72		
	(b) Anti-termite treatment to the outside of foundation with chemical emulsion by admixing chloropyrofos emulsifiable concentrate (1% concentration) with water by weight, drilling 12mm. dia holes in concrete or masonry apron at an interval of 300mm. to a depth, of 300mm or more as close to the plinth wall as possible and the chemical emulsion pumped into those holes to soak the soil below at a rate of 2.25 litres per linear metre complete as per specification laid down in para 4.3.1.1 of Code I.S.-6313 (Part-III)-1981.	Mtr	83	83	83	83	83	83	83	83	83	83	83	83	83	83		

**SECTION 1. -----BUILDING WORKS**  
**(A) EARTH WORK, ANTITERMITE TREATMENT**

Item No.	Description of Items	Unit	Rate (Rs.)														REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurdwar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	
	(c) Anti-termite treatment to the soil under floor with chemical emulsion by admixing chloropyrofos emulsifiable concentrate (1% concentration) with water by weight including drilling vertically 12mm. dia holes at the junction of floor and wall at 300mm. interval to reach the soil below using hand operated pressure pump to squirt chemical emulsion into the pump to squirt chemical emulsion into the holes at the rate of one litre per hole. The holes shall be sealed after operation to match with the existing floor. The entire work is to be carried out as per specification laid down in para 4.3.1.4 of code I.S.-6313 (Part-III)-1981.	Sq.M.	93	93	93	93	93	93	93	93	93	93	93	93	93	93	
	d) Anti-termite treatment to the junction of wood work and masonry walls with chemical emulsion by admixing chloropyrofos emulsifiable concentrates (1% concentration) with water by weight including spraying at the points of contact with the adjoining masonry by drilling 6m. dia holes at a downward angle of about 45 degree at the junction of woodwork and masonry and squirting chemical emulsion into these holes at the rate of half litre per hole. The entire work is to be carried out as per specification of Code I.S.-6313 (Part-III)-1981. The shutters are to be sprayed with emulsion. on both sides. All wooden fixtures like almirahs, racks etc. are also to be thoroughly sprayed with chemical emulsion. (Payment will be made on the basis of outside measurements of doors and windows)	Sq.M.	61	61	61	61	61	61	61	61	61	61	61	61	61	61	

**SECTION 1. -----BUILDING WORKS**  
**(A) EARTH WORK, ANTITERMITE TREATMENT**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri,Alipurdwar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
	(e) Spot application for insecticides using Aqua base spray for pest (for bugs, cockroaches, silverfish, spider, termites, mosquitoes) to walls and ceiling etc. with chemical emulsion by admixing chloropyrofos emulsifiable concentrates (1% concentration) with water by weight including spraying the emulsified chemical @ 0.5 litres per sq.m. by a hand operated pressure pump on wall surfaces, ceiling, electrical fixture,electrical lines including drilling holes in-places where source of termite is detected squirting chemical solution into the holes and sealing the holes with cement grout. (Rate is per sq.m. of the floor area while actual work will be all walls ceiling, rack, partition and furniture).	Sq.M.	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	

**SECTION 1. -----BUILDING WORKS**  
**(B) DISMANTLING, CUTTING CHASE, HOLES ETC.**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurdwar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
1	Dismantling all types of masonry excepting cement concrete plain or reinforced, stacking serviceable materials at site and removing rubbish as directed within a lead of 75 m.																	
	a) In ground floor including roof.	Cu.M.	447	447	447	447	447	447	447	447	447	447	447	447	447	447	447	
	b) Extra rate for each addl. Floor over the rate of ground floor	Cu.M.	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	
	(c) Extra rate for careful dismantling and recovering at least 150 no of useable bricks per cum.	Cu.M.	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	
2	Dismantling all types of plain cement concrete works, stacking serviceable materials at site and removing rubbish as directed within a lead of 75 m.																	
	In ground floor including roof.																	
	(a) upto 150 mm. thick	Cu.M.	939	939	939	939	939	939	939	939	939	939	939	939	939	939	939	
	(b) above 150 mm. thick	Cu.M.	1417	1417	1417	1417	1417	1417	1417	1417	1417	1417	1417	1417	1417	1417	1417	
	(c) Extra rate for each addl floor over the rate of ground floor.	Cu.M.	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	
3	Dismantling R.C. floor, roof, beams etc. including cutting rods and removing rubbish as directed within a lead of 75 m. including stacking of steel bars.																	
	(a) In ground floor including roof.	Cu.M.	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956	
	(b) Extra rate for each addl floor over the rate of ground floor.	Cu.M.	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	
4	Dismantling terraced roof in ground floor roof (including floor finish, if any.) taking out carefully tiles with beams, joists, tees or burgahs covering floor below, sorting and stacking serviceable materials at site and removing rubbish as directed within a lead of 75 m.																	
	(a) In Ground Floor including roof.	Sq.M.	230	230	230	230	230	230	230	230	230	230	230	230	230	230	230	
	(b) Extra rate for each addl floor over the rate of ground floor	Sq.M.	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	

**SECTION 1. -----BUILDING WORKS**  
**(B) DISMANTLING, CUTTING CHASE, HOLES ETC.**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurdwar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
5	Dismantling carefully terraced floor only (including floor finish if any) or lime terracing in ground floor roof and removing rubbish as directed within a lead of 75 m.																	
	(a) In Ground Floor including roof.	Cu.M.	739	739	739	739	739	739	739	739	739	739	739	739	739	739	739	
	(b) Extra rate for each addl floor over the rate of ground floor	Cu.M.	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	
6	Dismantling artificial stone flooring upto 50 mm. thick by carefully chiselling without damaging the base and removing rubbish as directed within a lead of 75 m.																	
	a) In ground floor including roof.	Sq.M.	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	
	b) Extra for each addl. Floor over the rate of ground floor	Sq.M.	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	
7	Taking out carefully Ranigunge pattern tiles from roof stacking serviceable tiles at site and removing rubbish as directed within a lead of 75m.	Sq.M.	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	
	(Payment to be made on the measurement of portion of roof removed).																	
8	Taking out carefully G.C.I. or C.I. or asbestos sheets (including ridges etc.) from roof or wall after unscrewing bolts, nuts, screws etc. and stacking the material at site as directed.	Sq.M.	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	
	(Payment to be made on measurement of portion of roof or wall removed.)																	
9	Dismantling Chunar stone flooring carefully including removing rubbish to anywhere within a lead of 75 m. and stacking the serviceable materials as directed.	Sq.M.	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	
10	Stripping off worn out plaster and raking out joints of walls, ceilings etc. upto any height and in any floor including removing rubbish within a lead of 75m as directed.	Sq.M.	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	

**SECTION 1. -----BUILDING WORKS**  
**(B) DISMANTLING, CUTTING CHASE, HOLES ETC.**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri,Alipourduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
11	Cutting chase upto 125 x 150 mm. and subsequent mending of damages.																	
	(a) in brick wall [Cement-3.6 Kg/Mtr]	Mtr.	93	86	86	86	90	88	86	86	90	89	89	97	89	89	90	
	(b) in concrete wall [Cement-3.6 Kg/Mtr]	Mtr.	112	105	105	105	109	107	105	105	109	108	108	116	108	108	110	
12	Cutting holes and subsequent mending good damages.																	
	(a) Diameter upto 150 mm.																	
	(i) In brick work [Cement-4.0 Kg/Mtr]	Mtr.	111	104	103	103	108	106	104	103	108	107	107	116	106	106	108	
	(ii) In concrete work (plain or R.C.) [Cement- 3.0 Kg/Mtr]	Mtr.	137	131	131	131	134	133	131	131	134	134	134	141	133	133	135	
	(b) Diameter exceeding 150 mm. but not exceeding 300 mm.																	
	(i) In brick work [Cement-6.0 Kg/Mtr]	Mtr.	162	152	151	151	157	155	152	151	157	156	157	170	156	156	159	
	(ii) In concrete work (plain or R.C.) [Cement-4.6 Kg/Mtr]	Mtr.	288	280	279	279	284	282	280	279	284	283	284	294	283	283	285	
	(c) Diameter exceeding 300 mm. but not exceeding 450 mm.																	
	(i) In brick work [Cement-10.0 Kg/Mtr]	Mtr.	249	231	230	230	241	236	231	230	241	239	240	262	238	238	243	
	(ii) In concrete work (plain or R.C.) [Cement-7.5 Kg/Mtr]	Mtr.	390	377	375	375	384	380	377	375	384	383	383	400	381	381	385	
13	Removal of rubbish,earth etc. from the working site and disposal of the same beyond the compound, in conformity with the Municipal / Corporation Rules for such disposal, loading into truck and cleaning the site in all respect as per direction of Engineer in charge	Cu.M.	166	166	166	166	166	166	166	166	166	166	166	166	166	166	166	
14	Labour for breaking 1/2 Bricks or Full Bricks (Old / New) into metal / Khoa / chips as per specific size and stacking the same at site or stackyard with due allowance of sinkage / shrinkage as per direction of the Engineer in charge.																	
	(a) Metal Size 50 mm to 65 mm	Cu.M.	250	250	250	250	250	250	250	250	250	250	250	250	250	250	250	
	(b) Khoa Size 32 mm to 25 mm	Cu.M.	288	288	288	288	288	288	288	288	288	288	288	288	288	288	288	
	(c) Chips Size 20 mm to 10 mm	Cu.M.	519	519	519	519	519	519	519	519	519	519	519	519	519	519	519	



**SECTION 1. -----BUILDING WORKS**  
**(B) DISMANTLING, CUTTING CHASE, HOLES ETC.**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipourduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
15	Labour for dismantling the necessary bases of R.C. or wooden railing post for taking out the damaged posts (scattered job)	Each	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	
16	Dismantling worn out wall or ceiling of Tarja or Durmamat and removing the dismantled materials as directed.	Sq.M.	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	
17	Dismantling carefully wooden walling, flooring of ceiling and stacking dismantled materials as directed.	Sq.M.	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	
18	Labour for scrapping and picking up old dilapidated mortar / plaster (Cement / Surki / Lime mortar) from the surface of old Brick faces including cleaning the frog without damaging the Brick and stacking the Bricks at Site / Stacking yard as per direction of Engineer-in-charge including removing all debris rubbish from site complete.	1000 Nos	950	950	950	950	950	950	950	950	950	950	950	950	950	950	950	
19	Dismantling carefully wood work in posts, postplates, rafters, partition etc., sorting and stacking servicable materials at site and removing rubbish as directed.	Cu.M.	278	278	278	278	278	278	278	278	278	278	278	278	278	278	278	

**SECTION 1. ----- BUILDING WORKS**

**(C) Brickworks, Concrete Works etc.**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Sitiguri Sub Divn.	Jalpaiguri, Alipurdwar, plains of Sitiguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
	<b>A. BRICK WORKS</b>																	
1	Single Brick Flat Soling of picked jhama bricks including ramming and dressing bed to proper level and filling joints with local sand.	Sq.M.	358	323	264	264	355	346	343	293	325	324	321	436	323	321	322	
2	Labour for laying single brick flat soling including ramming and dressing bed to proper level and filling joints with powdered earth.	Sq.M.	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	
3	Supplying and laying brick Khoa of ordinary bats of size (38 mmx 63 mm) of approved quality in 100 mm layer (loose) filling in gaps with small ones rammed and compact as directed true to level and grade.	Sq.M.	159	143	143	143	159	159	153	143	148	146	148	256	148	148	148	
4	Brick-on-edge floor or pavement with 1st class brick set close in cement mortar (1:6) and laid with cushion of sand below (including cost thereof) including ruled or flush pointing with cement mortar (1:4) on top.	Sq. M	836	717	634	634	798	786	759	670	752	745	744	1013	734	734	737	
5	Brick work with 1st class bricks in lime and surki mortar (1:2) (1 lime putty/paste: 2 surki) lime to be slaked at site and the mortar to be prepared with such lime putty and first class surki made from kiln burnt bricks having its fineness modulus between 2 and 2.5 and which passes through B.S. sieve No 8 with correspondes to I.S sieve No 200 with considerable grinding and pugging it complete.																	
	a) In foundation and plinth	Cu.M	5609	5124	4528	4528	5609	5484	5552	4852	5136	5121	5107	6641	5136	5121	5121	
	b) In Super structure, ground floor.	Cu.M	5832	5346	4751	4751	5832	5706	5774	5075	5358	5343	5330	6863	5358	5343	5343	
6	Brick work with 1st class bricks in lime and surki mortar (1:3) ( 1 lime putty/paste: 3 surki) lime to be slaked at site and the mortar to be prepared with such lime putty and first class surki made from kiln burnt bricks having its fineness modulus between 2 and 2.5 and which passes through B.S. sieve No 8 with correspondes to I.S sieve No 200 with considerable grinding and pugging it complete.																	
	a) In Foundation and Plinth.	Cu.M.	5435	4970	4369	4369	5435	5333	5408	4699	4983	4966	4951	6447	4983	4966	4966	
	b) In Super structure, Ground Floor.	Cu.M.	5658	5192	4592	4592	5658	5556	5630	4922	5205	5189	5174	6669	5205	5189	5189	

**SECTION 1. ----- BUILDING WORKS**

**(C) Brickworks, Concrete Works etc.**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Sitiguri Sub Divn.	Jalpaiguri, Alipurduar, plains of Sitiguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
	Notes:-(a) For lime surki brick work in foundation below G.L. hydraulic lime as per specification should be used. In other lime-surki brick work (above G.L.) fat lime as per specification will be used. (b) In all items of works viz. brick work, plastering, lime terracing etc. involving use of lime, the proportion of lime in all such items indicating its measurement by volume is of putty/paste form, which may be obtained from unslaked lime in the following rate, i.e. 633 kg of unslaked lime form 1.00 Cu.m by volume of lime putty/paste.																	
7	Brick work with 1st class bricks in cement mortar (1:4)																	
	(a) In foundation and plinth	Cu.M.	5575	5044	4480	4480	5483	5427	5371	4742	5155	5137	5140	6599	5121	5121	5177	
	(b) In superstructure, ground floor	Cu.M.	5798	5267	4703	4703	5705	5650	5594	4965	5378	5360	5363	6822	5344	5344	5400	
8	Brick work with 1st class bricks in cement mortar (1:6)																	
	(a) In foundation and plinth	Cu.M.	5306	4775	4211	4211	5214	5158	5103	4473	4887	4868	4864	6323	4845	4845	4901	
	(b) In superstructure, ground floor	Cu.M.	5529	4998	4434	4434	5436	5381	5325	4696	5109	5091	5087	6546	5068	5068	5124	
9	Brick work with 1st class bricks in composite mortar with cement, lime and sand (1:1:6) (1 cement:1 lime putty/paste:6 sand)																	
	(a) In foundation and plinth	Cu.M.	5561	4997	4433	4433	5469	5380	5325	4695	5108	5090	5085	6611	5067	5067	5122	
	(b) In superstructure, ground floor	Cu.M.	5784	5220	4656	4656	5691	5603	5547	4918	5331	5313	5308	6834	5290	5290	5345	
	NOTE : 633 kg of unslaked lime @ 1 cu.m. of lime putty/paste.																	
10	Brick work with 1st class bricks in composite mortar with cement, lime and sand (1:2:9) ( 1 cement: 2 lime putty/paste: 9 sand)																	
	(a) In foundation and plinth	Cu.M.	5472	4897	4333	4333	5379	5280	5224	4595	5008	4989	4980	6527	4962	4962	5017	
	(b) In superstructure, ground floor	Cu.M.	5694	5120	4555	4555	5602	5502	5447	4817	5231	5212	5203	6750	5184	5184	5240	
	NOTE : 633 kg of unslaked lime @1 cu.m. of lime putty/paste.																	
11	Extra Labour for brick for string course and set square brick work, brackets and similar other projection brick works to be paid in respective item.	Cu.M.	251	251	251	251	251	251	251	251	251	251	251	251	251	251	251	

**SECTION 1. ----- BUILDING WORKS**

**(C) Brickworks, Concrete Works etc.**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Sitiguri Sub Divn.	Jalpaiguri, Alipurdwar, plains of Sitiguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
12	Projection of individual brick 12.5 cm x 7.5 cm x 6.5 cm to 12.5 cm projection from wall surface. (The rate covers the projection only, the embedded portion being including in the measurement of the wall against appropriate item)	Each	13	12	10	10	13	13	13	11	12	12	12	15	12	12	12	
13	Brick work with 1st class modular bricks																	
	(a) With cement mortar (1:4)																	
	(i) In foundation and plinth	Cu.M.	4899				4809											
	(ii) In superstructure, ground floor	Cu.M.	5044				4954											
	(b) With cement mortar (1:6)																	
	(i) In foundation and plinth	Cu.M.	4641				4550											
	(ii) In superstructure, ground floor	Cu.M.	4762				4672											
14	Add extra for basement and each additional floor over the rate for ground floor on item Nos. 5 to 10 and 13 of subhead A																	
	(a) Upto 4th floor	Cu.M.	111	111	111	111	111	111	111	111	111	111	111	111	111	111	111	
	(b) Above 4th floor	Cu.M.	133	133	133	133	133	133	133	133	133	133	133	133	133	133	133	
15	Extra over rate of corresponding items for brick works in arches including hire and labour charges for shuttering, centring etc. complete.																	
	(a) Clear span not exceeding 1,500 mm.	Cu.M.	986	986	986	986	986	986	986	986	986	986	986	986	986	986	986	
	(b) Clear span exceeding 1,500 mm. but not exceeding 2,400 mm.	Cu.M.	1043	1043	1043	1043	1043	1043	1043	1043	1043	1043	1043	1043	1043	1043	1043	
	(c) Clear span exceeding 2,400 mm. but not exceeding 3,600 mm.	Cu.M.	1082	1082	1082	1082	1082	1082	1082	1082	1082	1082	1082	1082	1082	1082	1082	
	(d) Clear span exceeding 3,600 mm. but not exceeding 4,800 mm.	Cu.M.	1099	1099	1099	1099	1099	1099	1099	1099	1099	1099	1099	1099	1099	1099	1099	
	N.B. : While calculating the volume of brick work only the thickness of the arch shall be taken into consideration.																	
16	125 mm. thick brick work with 1st class bricks in cement mortar (1:4) in ground floor.	Sq.M.	724	660	588	588	714	707	701	622	672	670	670	852	668	668	674	
17	125 mm. thick brick work with 1st class bricks in cement mortar (1:3) in ground floor.	Sq.M.	753	689	618	618	743	737	731	651	701	699	701	882	698	698	705	
18	Extra for using approved H.B netting in every third layer in 16 & 17 of subhead A above in any floor	Sq.M.	41	41	41	41	41	41	41	41	41	41	41	42	41	41	41	

**SECTION 1. ----- BUILDING WORKS**

**(C) Brickworks, Concrete Works etc.**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Sitiguri Sub Divn.	Jalpaiguri, Alipurduar, plains of Sitiguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
19	(a) 100 mm. thick brick work with 1st class Modular bricks set in cement sand mortar (1:4) including raking out joints, curing, scaffolding etc. complete in all respect in ground floor.	Sq.M.	533				525											
	(b) 100 mm. thick brick work with 1st class Modular bricks set in cement sand mortar (1:4) including raking out joints, curing, scaffolding etc. complete in all respect with H.B. netting in every third layer in ground floor.	Sq.M.	556				548											
20	(a) 100 mm. thick brick work with special class Modular bricks set in cement sand mortar (1:4) including raking out joints, curing, scaffolding etc. complete in all respect in ground floor	Sq.M.	561				553											
	(b) 100 mm. thick brick work with special class Modular bricks set in sand cement mortar(1:4) including raking out joints, curing, scaffolding etc. complete in all respect with H.B. netting in every third layer of ground floor.	Sq.M.	584				575											
21	(a) 75 mm. thick brick work with 1st class bricks set in cement, sand mortar (1:4) in ground floor including H.B. netting in every alternate layers.	Sq.M.	497	457	414	414	490	487	483	434	465	464	464	576	463	463	467	
	(b) 75 mm. thick brick work with 1st class bricks set in cement, sand mortar (1:3) in ground floor including H.B. netting in every alternate layers.	Sq.M.	543	503	459	459	536	532	528	480	511	509	510	623	509	509	513	
22	Jaffri brick work 125 mm. thick with 1st class bricks in cement mortar (1:4) including 15 mm. thick cement plaster (1:4) in all faces in ground floor.	Sq.M.	731	677	639	639	716	707	697	655	695	692	693	812	689	689	699	
23	200 mm. thick Brick work with Fly Ash Bricks set in cement sand mortar (1:6) including raking out joints, curing, scaffolding etc. complete in all respect.																	
	(a) In ground floor	Cu.M.	4951	4584	4541	4541	4861	4737	4676	4533	4825	4706	4670					
	(b) Add extra for each addl. floor																	
	i) Up to 4th floor	Cu.M.	120	120	115	115	120	115	115	115	115	115	120					
	ii) Above 4th floor	Cu.M.	145	145	139	139	145	139	139	139	139	139	145					
24	100 mm. thick brick work with Fly Ash Bricks set in cement sand mortar (1:4) including raking out joints, curing, scaffolding etc. complete in all respect.																	
	(a) In ground floor	Sq.M.	562	527	526	526	554	544	539	526	548	535	536					

**SECTION 1. ----- BUILDING WORKS**

**(C) Brickworks, Concrete Works etc.**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Sitiguri Sub Divn.	Jalpaiguri, Alipurdwar, plains of Sitiguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
	(b) Add extra for each addl. floor over the rate of ground floor																	
	(i) up to 4th floor	Sq. M	10	10	10	10	10	10	10	10	10	10	10					
	(ii) above 4th floor	Sq. M	13	13	13	13	13	13	13	13	13	13	13					
25	Bonding new brick work with old at every 4th course including cutting chase and mending damages in cement mortar (1:4) and curing. [Mode of measurement: The actual bonded area shall be considered for payment]	Sq. M	261	253	253	253	257	255	253	253	257	257	257	266	256	256	258	
26	Add extra for each additional floor over the rate for ground floor on items from																	
	(16 to 22 and 25) except 18 of subhead A																	
	(a) upto 4th floor	Sq. M	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	
	(b) above 4th floor	Sq. M	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	
27	1st class brick work of width 200 mm. with non-modular bricks in cement sand mortar (1:6) .																	
	(a) In foundation and plinth	Cum	5411	4880	4316	4316	5318	5263	5207	4578	4991	4973	4968	6428	4950	4950	5006	
	(b) In superstructure ground floor	Cum	5601	5070	4505	4505	5508	5453	5397	4768	5181	5162	5158	6618	5140	5140	5195	
28	1st class brickwork of width 200 mm. with non-modular bricks in cement and sand mortar (1:4)																	
	(a) In foundation and plinth	Cum	5683	5152	4588	4588	5590	5535	5479	4850	5263	5245	5248	6707	5230	5230	5285	
	(b) In superstructure ground floor	Cum	5873	5342	4778	4778	5780	5725	5669	5040	5453	5435	5438	6897	5419	5419	5475	
29	1st class brick work of width 200 mm. with non-modular bricks in lime and surki mortar (1:3) (1 lime putty/paste : 3 surki) .																	
	(a) In foundation and plinth	Cum	5598	5132	4532	4532	5598	5495	5570	4861	5145	5129	5114	6609	5145	5129	5129	
	(b) In superstructure and ground floor	Cum	5787	5322	4722	4722	5787	5685	5760	5051	5335	5318	5304	6799	5335	5318	5318	
	NOTES : (a) (i) For item 27 of subhead A above cement 0.055 cu.m.sand 0.33 cu.m. per cu.m. of such brick work will be consumed.																	
	(ii) For item 28 of subhead A above cement 0.083 cu.m. sand 0.33 cu.m. per cu.m. of such brick work will be consumed.																	
	(b) 633 kg of unslaked lime make 1 cu.m. of lime putty / paste.																	
30	Add extra for each additional floor over the rate for ground floor on items 27, 28, 29 of subhead A above.																	
	(a) upto 4th floor	Cum	111	111	111	111	111	111	111	111	111	111	111	111	111	111	111	
	(b) above 4th floor	Cum	133	133	133	133	133	133	133	133	133	133	133	133	133	133	133	

**SECTION 1. ----- BUILDING WORKS**

**(C) Brickworks, Concrete Works etc.**

Item No.	Description of Items	Unit	Rate (Rs.)														REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Sitiguri Sub Divn.	Jalpaiguri, Alipurdwar, plains of Sitiguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	
31	Masonry work with precast Hollow Concrete Block of size 300mm X 200mm X 150mm and shell thickness 60mm (as per specification of I S 2185 - Part I) with cement mortar (6:1) complete in all respect as per direction of Engineer-in-charge.																
	In Superstructure, Ground Floor.	Cum.	5100	5060	-	-	5100	-	-	-	-	-	-	-	-	-	-
32	100mm thick Masonry work with precast Hollow Concrete Block of size 400mm X 100mm X 150mm and shell thickness 30mm (as per specification of I S 2185 - Part I) with cement mortar (4:1) complete in all respect as per direction of Engineer-in-charge.																
	In Superstructure, Ground Floor.	Sqm.	548	509	-	-	548	-	-	-	-	-	-	-	-	-	-
33	250 mm th. Autoclave aerated concrete block Work with size 625 mm x 250 mm x 125 mm- Grade-I, having drying Shrinkage less than 0.05% conforming to IS: 2185 (Part-3)-1984 made up of fly ash (conforming to IS: 3812-1981, with permissible loss on ignition upto 6%), lime , cement and laid in Cement Mortar (1:6) complete in all respect as per direction & satisfaction of Engineer -in Charge .																
	In Super Structure, Ground Floor.	Cu.M.	5902	5826	5819	5819	5868	5847	5826	5819	5868	5861	-	-	-	-	-
34	125 mm thick Autoclave aerated concrete block Work with size 625 mm x 250 mm x 125 mm- Grade-I,having drying Shrinkage less than 0.05% conforming to IS: 2185 ( Part-3)-1984 made up of fly ash (conforming to IS: 3812-1981, with permissible loss on ignition upto 6%), lime , cement and complete in all respect as per direction & satisfaction of Engineer -in Charge .																
	a) laid in Cement Mortar (1:6) -In Super Structure, Ground Floor.	Sq.M.	742	736	736	736	740	738	736	736	740	739	-	-	-	-	-
	b) laid in 3 mm (av) thick admixtured thin layered jointung mortar (self curing containing washed sand particles of size less than 600 micron & without any mica) conforming to ASTM C1384/ EN 1348 and capable of imparting splitting tensile strength & masonry specification conforming to ASTM C1660-09, when tested in accordance with ASTM C1006 -In Super Structure, Ground Floor.	Sq.M.	729	729	729	729	729	729	729	729	729	729	-	-	-	-	-

**SECTION 1. ----- BUILDING WORKS**

**(C) Brickworks, Concrete Works etc.**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Sitiguri Sub Divn.	Jalpaiguri, Alipurduar, plains of Sitiguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
	Add extra for each additional floor over the rate for ground floor																	
	(a) upto 4th floor	Sq.M.	12	12	12	12	12	12	12	12	12	12	-	-	-	-	-	
	(b) above 4th floor	Sq.M.	13	13	13	13	13	13	13	13	13	13	-	-	-	-	-	
35	100 mm thick Autoclave aerated concrete block Work with size 625 mm x 250 mm x 100 mm- Grade-I, having drying Shrinkage less than 0.05% conforming to IS: 2185 (Part-3)-1984 made up of fly ash (conforming to IS: 3812-1981, with permissible loss on ignition upto 6%), lime , cement and laid in Cement Mortar (1:6) complete in all respect as per direction & satisfaction of Engineer-in-Charge .																	
	a) laid in Cement Mortar (1:6) -In Super Structure, Ground Floor.	Sq.M.	599	595	594	594	597	596	595	594	597	597	-	-	-	-	-	-
	b) laid in 3 mm (av) thick admixture thin layered jointung mortar (self curing containing washed sand particles of size less than 600 micron & without any mica) conforming to ASTM C1384/ EN 1348 and capable of imparting splitting tensile strength & masonry specification conforming to ASTM C1660-09, when tested in accordance with ASTM C1006 -In Super Structure, Ground Floor.	Sq.M.	590	590	590	590	590	590	590	590	590	590	-	-	-	-	-	-
	Add extra for each additional floor over the rate for ground floor																	
	(a) upto 4th floor	Sq.M.	12	12	12	12	12	12	12	12	12	12	-	-	-	-	-	
	(b) above 4th floor	Sq.M.	13	13	13	13	13	13	13	13	13	13	-	-	-	-	-	
36	Brick work in mud mortar in all thickness of wall	Cu. M		3845	3299	3299		4172	4172	3561	3845	3845	3845					
37	Constructing brick chulla with 1st class brick in lime mortar (1:2) and 20 mm thick (1:2) surki beaten plaster and necessary C.I grating and cheeks (overall measurements not less than 1 cu m)	Each	5799	5300	4751	4751	5799	5633	5721	5063	5315	5295	5278	6787	5315	5295	5295	
38	Constructing brick chulla with 1st class brick in lime mortar (1 : 2) and 20 mm thick (1 : 2) surki beaten plaster and necessary C.I grating and cheeks (overall measurements not less than ½ cu.m.)	Each	3771	3463	3121	3121	3771	3670	3727	3317	3473	3460	3449	4386	3473	3460	3460	



**SECTION 1. ----- BUILDING WORKS**

**(C) Brickworks, Concrete Works etc.**

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39	Constructing brick chulla with 1st class brick in lime mortar (1:2) and 20 mm thick (1:2) surki beaten plaster and necessary C.I grating and cheeks (overall measurements not less than 0.3 cu.m.)	Each	2504	2320	2083	2083	2510	2423	2460	2228	2327	2319	2311	2842	2327	2319	2319	
40	Manufacturing and supplying (ex-manufacturers stack yard precast stone masonry block in 1:5:8 (cement,sand and stone chips) with average compressive strength of 70 Kg/Sq.cm as per specification and drawing laid down in C.B.R.I data sheet No 8 having the normal size.																	
	(a) 290x190x140 mm	each													32			
	(b) 290x140x140 mm	each													26			
	(c) 290x90x140 mm	each													21			
	<b>Note: For Casting of 100 Nos of Blocks</b>																	
	For (a) cement 1.54 bags, sand 0.27 Cu.m coarse aggregate (10 mm) 0.43 Cu.m and stone pieces 0.37 Cu.m																	
	(b) cement 1.14 bags, sand 0.20 Cu.m coarse aggregate (10 mm) 0.32 Cu.m and stone pieces 0.27 Cu.m																	
	(c) cement 0.77 bags, sand 0.14 Cu.m coarse aggregate (10 mm) 0.27 Cu.m and stone pieces 0.15 Cu.m																	
41	Masonry work with Precast cement concrete (1:5:8) closed cavity hollow stone blocks having compressive strength 70 Kg/ Sq. cm as per C.B.R.I. Specification in cement sand mortar (1:6) including scaffolding curing etc. complete.																	
	(a) In foundation & Plinth	Cu.M												4052	3604			
	(Consumption per Cu.m - Block 400x200x200-57 Nos. Cement-0.055 Cu.m Sand-0.33 Cu.m)																	
	(b) In Superstructure ground floor																	
	(i) 200 mm thick wall	Sq. M												829	741			
	( Consumption per Cu.m - Block 400x200x200-114 Nos. Cement-0.107 Cu.m Sand-0.642 Cu.m)																	
	(ii) 150 mm thick wall	Sq. M												651	565			

**SECTION 1. ----- BUILDING WORKS**

**(C) Brickworks, Concrete Works etc.**

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	(Consumption per Cu.m - Block 400x200x150-114 Nos. Cement-0.08 Cu.m Sand-0.48 Cu.m)																
	(iii) 100 mm thick wall	Sq. M											470	408			
	(Consumption per Cu.m - Block 400x200x100-114 Nos. Cement-0.055 Cu.m Sand-0.33 Cu.m)																
	( c ) Add for each addl. Floor over ground floor																
	(i) 200 mm thick wall	Sq. M											30	30			
	(ii) 150 mm thick wall	Sq. M											24	24			
	(iii) 100 mm thick wall	Sq. M											18	18			
42	Masonry work with precast stone Masonry Block having compressive strength 70 kg/Sq.cm as per C.B.R.I. specification and drawing laid down in C.B.R.I. Data sheet No 08 having the normal size with cement and sand mortar (1:6) including scaffolding, curing, supply of materials, stone masory block etc complete .																
	(a) 290x190x140 mm	Cu.M												5475			
	Consumption per Cu.M- Block 117 Nos,Cement-0.09 Cu.M, Sand-0.33 Cu.M																
	(b) 290x140x140 mm	Cu.M												5963			
	Consumption per Cu.M- Block 159 Nos,Cement-0.09 Cu.M, Sand-0.33 Cu.M																
	(c) 290x90x140 mm	Cu.M												6894			
	Consumption per Cu.M- Block 247 Nos,Cement-0.09 Cu.M, Sand-0.33 Cu.M																
43	Dry Rubble Masonry with hard dressed stone from approved quarries including all carriage of materials	Cu.M											2450				
44	Rubble masonry in cement (1:6) with hard dressed stones from approved quarries and clean, coarse and washed sand including carriage of all materials to site																
	(a) In Road and Jhora Work	Cu. M											3599	2310	2310		
	(b) In Fine dressed work in Building																

**SECTION 1. ----- BUILDING WORKS**

**(C) Brickworks, Concrete Works etc.**

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	(i) In Ground Floor	Cu. M												3673	2384	2384	
	(ii) In First Floor	Cu. M												3784	2495	2495	
45	Rubble masonry in cement (1:4) with hard dressed stones from approved quarries and clean, coarse and washed sand including carriage of all materials to site																
	(a) In Road and Jhora Work	Cu. M												3809	2541	2541	
	(b) In Fine dressed work in Building																
	(i) In Ground Floor	Cu. M												3884	2616	2616	
	(ii) In First Floor	Cu. M												3995	2727	2727	
46	Hand Packed rough dressed stone walls by masons with hard stones from approved quarries including all carriage of materials to site	Cu.M												2044			
47	Hand Packed rough dressed boulder wall with boulders from approved quarries including all carriage of all materials to site.	Cu.M												1998			
B. CONCRETE WORKS																	
1	Cement concrete with graded jhama khoa (30 mm size) excluding shuttering In ground floor and foundation.																
	(a) 1:3:6 proportion	Cu.M.	4572	4114		3970	4633	4349	4311		4247	4247	4235		4210	4155	4263
	(b) 1:4:8 proportion	Cu.M.	4373	3786		3638	4315	4025	3987		3922	3922	3899		3873	3817	3927
2	7.5 cm. thick compacted lime concrete with moorum and best quality slaked stone lime ( 5% by volume) properly mixed, laid and rammed on bed of foundation including cost of all materials, labour and curing etc. complete in all respect as per direction of Engineer-in-Charge (10 cm. loose consolidated to 7.5 cm. thick)	Sq. M	53	50	50	50	53	50	50	50	50	50	50	56	50	50	50
3	Making one set of scaffolding only for replacing glass panels, painting, uprooting plant and another repairing works of building and S&P works for external works only with 10 cm. dia bamboo as main posts at the rate of 1 metre centre to centre and 7.5 cm. dia bamboo ties @ 0.75 metre apart fitting and fixing with necessary coir, nails etc. as per direction of the Engineer-in-charge.																

**SECTION 1. ----- BUILDING WORKS**

**(C) Brickworks, Concrete Works etc.**

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	(This item should be executed only after prior approval of the Engineer-in-charge). Firstly, one number to be paid and then labour rate for shifting up to further nineteenth (19) times @ 10% each time to be considered. If necessary further after twenty times of total use, another one number new and labour rate for shifting to be considered accordingly.																
	a) 3.90 metre height	Each	279	279	279	279	279	279	279	279	279	279	279	279	279	279	
	b) Extra for additional 3.6 height or part thereof	Each	245	245	245	245	245	245	245	245	245	245	245	245	245	245	
4	Ordinary Cement concrete (mix 1:2:4) with graded stone chips (20 mm nominal size) excluding shuttering and reinforcement,if any, in ground floor as per relevant IS codes.																
	a) Pakur Variety	Cu.M.	3886	3574	3520	3449	3722	3609	3647	3525	3689	3709	3616	4183	3710	3752	3851
	(b) River bazree	Cu.M.												5138	3925	3989	4297
	(c) RajMahal	Cu.M.											4293				
	(d) With local hard blackstone variety chips (crusher broken)	Cu.M.						4398	4297	4162							
5	Controlled Cement concrete with well graded stone chips (20 mm graded nominal size) excluding shuttering and reinforcement with complete design of concrete as per IS : 456 and relevant special publications, submission of job mix formula after preliminary mix design after testing of concrete cubes as per direction of Engineer-in charge. Consumption of cement will not be less than 300 Kg of cement with Super plasticiser per cubic meter of controlled concrete but actual consumption will be determined on the basis of preliminary test and job mix founmula. In ground floor and foundation. [using concrete mixture] M 20 Grade																
	(i) Pakur Variety	Cu.M.	4578	4259	4204	4131	4411	4295	4334	4209	4377	4397	4309	4889	4405	4448	4549
	(ii ) N.B. Variety (Stone Metal)	Cu.M.												6293	5267	5267	5424
	(iii) RajMahal	Cu.M.											5102				

**SECTION 1. ----- BUILDING WORKS**

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			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Sitiguri Sub Divn.	Jalpaiguri,Alipurduar, plains of Sitiguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	
	(iv) With local hard blackstone variety chips (crusher broken)	Cu.M.						5167	5055	4923							
6	Controlled Cement concrete with well graded stone chips (20 mm nominal size) excluding shuttering and reinforcement with complete design of concrete as per IS : 456 and relevant special publications, submission of job mix formula after preliminary mix design after testing of concrete cubes as per direction of Engineer-in charge. Consumption of cement will not be less than 300 Kg of cement with Super plasticiser per cubic meter of controlled concrete but actual consumption will be determined on the basis of preliminary test and job mix founmula. In ground floor and foundation.[using concrete mixture] M 25 Grade																
	(i) Pakur Variety	Cu.M.	4918	4598	4543	4471	4750	4634	4673	4549	4716	4737	4658	5238	4754	4797	4898
	(ii ) N.B. Variety (Stone Metal)	Cu.M.												6646	5619	5619	5776
	(iii) RajMahal	Cu.M.											5455				
	(iv) With local hard blackstone variety chips (crusher broken)	Cu.M.						5510	5398	5266							
7	Controlled Cement concrete with well graded stone chips (20 mm nominal size) excluding shuttering and reinforcement with complete design of concrete as per IS : 456 and relevant special publications, submission of job mix formula after preliminary mix design after testing of concrete cubes as per direction of Engineer-in charge. Consumption of cement will not be less than 320 Kg of cement with super plasticiser per cubic meter of controlled concrete but actual consumption will be determined on the basis of preliminary test and job mix founmula. In ground floor and foundation. [using concrete mixture] M 30 Grade																
	(i) Pakur Variety	Cu.M.	5098	4779	4724	4652	4931	4815	4854	6392	4897	4917	5985	5420	4936	4979	5080
	(ii ) N.B. Variety (Stone Metal)	Cu.M.												6830	5803	5803	5960
	(iii) RajMahal	Cu.M.											5639				
	(iv) With local hard blackstone variety chips (crusher broken)	Cu.M.						5693	5581	5448							

**SECTION 1. ----- BUILDING WORKS**

**(C) Brickworks, Concrete Works etc.**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Sitiguri Sub Divn.	Jalpaiguri, Alipurdwar, plains of Sitiguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
8	Controlled Cement concrete grade mix with well graded stone chips (20 mm nominal size) including adequate plasticiser & excluding shuttering and reinforcement with complete design of concrete as per IS : 456 and relevant special publications, submission of job mix formula after preliminary mix design after testing of concrete cubes as per direction of Engineer-in charge. Consumption of cement will not be less than 340 Kg of OPC [43/53 grade ] cement with Super plasticiser per cubic meter of controlled concrete but actual consumption will be determined on the basis of preliminary test and job mix formula. In ground floor and foundation. [using concrete mixture] With Pakur Variety M 35 Grade of Concrete	Cu.M	5248	4928	4873	4801	5080	6482	5003	4879	5046	5067	5006	5586	5101	5145	5246	
9	Controlled Cement concrete grade mix with well graded stone chips (20 mm nominal size) including adequate plasticiser & excluding shuttering and reinforcement with complete design of concrete as per IS : 456 and relevant special publications, submission of job mix formula after preliminary mix design after testing of concrete cubes as per direction of Engineer-in charge. Consumption of cement will not be less than 360 Kg of OPC [43/53 grade ] cement with Super plasticiser per cubic meter of controlled concrete but actual consumption will be determined on the basis of preliminary test and job mix formula. In ground floor and foundation. [using concrete mixture] With Pakur Variety M 40 Grade of Concrete	Cu.M	5428	5108	5053	4981	5260	5144	5183	5059	5226	5247	5188	5768	5284	6382	5428	
10	Ordinary Cement concrete (mix 1:1.5:3) with graded stone chips (20 mm nominal size) excluding shuttering and reinforcement if any, in ground floor as per relevant IS codes.																	
	(i) Pakur Variety	Cu.M.	4482	4176	4123	4054	4321	4210	4248	4129	4289	4308	4236	4790	4328	4369	4465	
	(ii ) River Bazree	Cu.M.												5863	4666	4728	5032	
	(iii) RajMahal	Cu.M.											5001					
	(iv) With local hard blackstone variety chips (crusher broken)	Cu.M.						5066	4963	4833								

**SECTION 1. ----- BUILDING WORKS**

**(C) Brickworks, Concrete Works etc.**

Item No.	Description of Items	Unit	Rate (Rs.)														REMARKS	
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri,Alipurdwar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS		Uttar/ Dakshin Dinajpur Dist.
11	Plum concrete work with 40 % cement concrete with 30 mm down graded stone metal and 60 % stone boulder of size 150 mm and above, placed in position as directed excluding shuttering if any.																	
	(i) (1:3:6) proportion	Cu.M											3231					
	(ii) (1:4:8) proportion	Cu.M											3114					
12	Batch Mixed concrete of M 20 Grade with well Graded stone chips of 20 mm nominal size containing designed quantity of cement per Cu. M of Wet concrete produced in computerised batching plant under controlled condition using approved super plasticizer designing concrete mix following I.S 10262 and I.S. 456 transporting the mix with agitation in transit mixer to work site depositing the mix on a platform erected for the purpose at required level of concreting and then placing the mix in its final location of form work compacting and curing the same complete as per specification and direction of the Engineer-in charge including hire charges of computerised batching plant, transit mixer with all accessories vibrators etc. inclusive of all other incidental charges in this connection complete but excluding cost of hire charge of platform and its supporting staging which would be paid through separate item. Consumption of cement will not be less than 300 Kg of cement per cubic meter of controlled concrete but actual consumption will be determined on the basis of preliminary test and job mix formula. [Cement to be supplied by Deptt, if Cement is supplied by agency then item rate to be deduced as per Format A of Annexure I] [with Batching Plant & transit mixer], In Ground Floor and Foundation.[Pakur Variety].																	
	(i) Without approved concrete pump.	Cu.M	4491	4171	4117	4045	4323	4208	4248	4121	4291	4311	4222	4803	4318	4360	4462	
	(ii) With approved concrete pump.	Cu.M	4644	4324	4271	4198	4476	4361	4400	4275	4443	4464	4376	4955	4471	4514	4616	

**SECTION 1. ----- BUILDING WORKS**

**(C) Brickworks, Concrete Works etc.**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Sitiguri Sub Divn.	Jalpaiguri,Alipurdwar, plains of Sitiguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
13	Batch Mixed concrete of M 25 Grade with well Graded stone chips of 20 mm nominal size containing designed quantity of cement per Cu. M of Wet concrete produced in computerised batching plant under controlled condition using approved super plasticizer designing concrete mix following I.S 10262 and I.S. 456 transporting the mix with agitation in transit mixer to work site depositing the mix on a platform erected for the purpose at required level of concreting and then placing the mix in its final location of form work compacting and curing the same complete as per specification and direction of the Engineer-in charge including hire charges of computerised batching plant, transit mixer with all accessories vibrators etc. inclusive of all other incidental charges in this connection complete but excluding cost of hire charge of platform and its supporting staging which would be paid through separate item. Consumption of cement will not be less than 300 Kg of cement per cubic meter of controlled concrete but actual consumption will be determined on the basis of preliminary test and job mix formula. [Cement to be supplied by Deptt, if Cement is supplied by agency then item rate to be deduced as per Format A of Annexure I] [with Batching Plant & transit mixer] In Ground Floor& Foundation. [Pakur Variety].																	
	(i) Without approved concrete pump.	Cu.M	4831	4511	4457	4384	4663	4547	4586	4462	4629	4650	4571	5151	4667	4709	4810	
	(ii) With approved concrete pump.	Cu.M	4984	4664	4610	4537	4817	4701	4739	4615	4782	4802	4725	5304	4820	4863	4964	



**SECTION 1. ----- BUILDING WORKS**

**(C) Brickworks, Concrete Works etc.**

Item No.	Description of Items	Unit	Rate (Rs.)														REMARKS	
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri,Alipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS		Uttar/ Dakshin Dinajpur Dist.
14	Batch Mixed concrete of M 30 Grade with well Graded stone chips of 20 mm nominal size containing designed quantity of cement per Cu. M of Wet concrete produced in computerised batching plant under controlled condition using approved super plasticizer designing concrete mix following I.S 10262 and I.S. 456 transporting the mix with agitation in transit mixer to work site depositing the mix on a platform erected for the purpose at required level of concreting and then placing the mix in its final location of form work compacting and curing the same complete as per specification and direction of the Engineer-in charge including hire charges of computerised batching plant, transit mixer with all accessories vibrators etc. inclusive of all other incidental charges in this connection complete but excluding cost of hire charge of platform and its supporting staging which would be paid through separate item. Consumption of cement will not be less than 320 Kg of cement per cubic meter of controlled concrete but actual consumption will be determined on the basis of preliminary test and job mix founmula. [Cement to be supplied by Deptt, if Cement is supplied by agency then item rate to be deduced as per Format A of Annexure I] [with Batching Plant & transit mixer] In Ground Floor & Foundation. [Pakur Variety].																	
	(i) Without approved concrete pump.	Cu.M	4983	4663	4609	4535	4814	4699	4738	4613	4781	4801	4725	5304	4820	4864	4964	
	(ii) With approved concrete pump.	Cu.M	5136	4816	4761	4688	4968	4852	4891	4766	4934	4954	4878	5457	4974	5017	5117	

**SECTION 1. ----- BUILDING WORKS**

**(C) Brickworks, Concrete Works etc.**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri,Alipurdwar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
15	Batch Mixed concrete of M 35 Grade with well Graded stone chips of 20 mm nominal size containing designed quantity of cement per Cu. M of Wet concrete produced in computerised batching plant under controlled condition using approved super plasticizer designing concrete mix following I.S 10262 and I.S. 456 transporting the mix with agitation in transit mixer to work site depositing the mix on a platform erected for the purpose at required level of concreting and then placing the mix in its final location of form work compacting and curing the same complete as per specification and direction of the Engineer-in charge including hire charges of computerised batching plant, transit mixer with all accessories vibrators etc. inclusive of all other incidental charges in this connection complete but excluding cost of hire charge of platform and its supporting staging which would be paid through separate item. Consumption of cement will not be less than 340 Kg of OPC [43/53 grade] cement per cubic meter of controlled concrete but actual consumption will be determined on the basis of preliminary test and job mix formula. [Cement to be supplied by Deptt, if Cement is supplied by agency then item rate to be deduced as per Format A of Annexure I] [with Batching Plant & Transit Mixer] In Ground Floor& Foundation [Pakur Variety].																	
	(i) Without approved concrete pump.	Cu.M	5132	4813	4757	4685	4965	4849	4888	4763	4931	4951	4890	5470	4986	5029	5130	
	(ii) With approved concrete pump.	Cu.M	5285	4966	4910	4838	5117	5002	5041	4915	5084	5105	5043	5623	5140	5182	5283	

**SECTION 1. ----- BUILDING WORKS**

**(C) Brickworks, Concrete Works etc.**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri,Alipurdwar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
16	Batch Mixed concrete of M 40 Grade with well Graded stone chips of 20 mm nominal size containing designed quantity of cement per Cu. M of Wet concrete produced in computerised batching plant under controlled condition using approved super plasticizer designing concrete mix following I.S 10262 and I.S. 456 transporting the mix with agitation in transit mixer to work site depositing the mix on a platform erected for the purpose at required level of concreting and then placing the mix in its final location of form work compacting and curing the same complete as per specification and direction of the Engineer-in charge including hire charges of computerised batching plant, transit mixer with all accessories vibrators etc. inclusive of all other incidental charges in this connection complete but excluding cost of hire charge of platform and its supporting staging which would be paid through separate item. Consumption of cement will not be less than 360 Kg of OPC (43/53 grade) cement per cubic meter of controlled concrete but actual consumption will be determined on the basis of preliminary test and job mix founmula. [Cement to be supplied by Deptt, if Cement is supplied by agency then item rate to be deduced as per Format A of Annexure I] [with Batching Plant & transit mixer] In Ground Floor& Foundation. [Pakur Variety]																	
	(i) Without approved concret pump	Cu.M	5265	4946	4890	4818	4293	4982	5021	4896	5064	5084	5025	5606	5122	5164	5266	
	(ii) With approved concret pump	Cu.M	5418	5099	5043	4971	5251	5135	5174	5049	5217	5238	5178	5758	5275	5317	5419	
	[Note:- If Transit Mixer is not used then Rs 135/-per Cu.m to be deducted from all items of 12 to 16 of subhead B]																	

**SECTION 1. ----- BUILDING WORKS**

**(C) Brickworks, Concrete Works etc.**

Item No.	Description of Items	Unit	Rate (Rs.)													REMARKS	
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri,Alipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS		Coochbehar excluding the area of Haldibari PS
17	Supplying ready mixed concrete of M 20 Grade with well graded stone chips of 20 mm nominal size containing designed quantity of cement per Cu.m of wet concrete produced in computerised batching plant under controlled condition using approved super plastisizer, designing concrete mix following I.S. 10262 and I.S. 456, transporting the mix with agitation in transit mixer to work site depositing the mix on a platform erected for the purpose at required levels of concreting and then placing the mix in its final location of form work, compacting and curing the same complete as per specification & direction of the Engineer-in-charge including computerised batching plant transit mixer with all accessories vibrators etc. inclusive of all other incidental charges in this connection complete but excluding cost of hire charge of platform and its supporting staging which would be paid through separate item. [Cement to be supplied by the Manufacturer or supplier]																
	In ground floor and foundation.																
	(i) Without approved concrete pump.	Cu.M	5319				5039										
	(ii) With approved concrete pump.	Cu.M	5503				5221										
18	Supplying ready mixed concrete of M 25 Grade with well graded stone chips of 20 mm nominal size containing designed quantity of cement per Cu.m of wet concrete produced in computerised batching plant under controlled condition using approved super plastisizer, designing concrete mix following I.S. 10262 and I.S. 456, transporting the mix with agitation in transit mixer to work site depositing the mix on a platform erected for the purpose at required levels of concreting and then placing the mix in its final location of form work compacting and curing the same complete as per specification & direction of the Engineer-in-charge including computerised batching plant transit mixer with all accessories vibrators etc. inclusive of all other incidental charges in this connection complete but excluding cost of hire charge of platform and its supporting staging which would be paid through separate item. [cement to be supplied by the Manufacturer/ supplier]																
	In Ground Floor and Foundation																
	(i) Without approved concrete pump	Cu.M	5685				5403										
	(ii) With approved concrete pump	Cu.M	5868				5584										

**SECTION 1. ----- BUILDING WORKS**

**(C) Brickworks, Concrete Works etc.**

Item No.	Description of Items	Unit	Rate (Rs.)													REMARKS	
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurdwar, plains of Siliguri Sub Divn. & Area of Haldibari PS		Coochbehar excluding the area of Haldibari PS
19	Supplying ready mixed concrete of M 30 Grade with well graded stone chips of 20 mm nominal size containing designed quantity of cement per Cu.m of wet concrete produced in computerised batching plant under controlled condition using approved super plastisizer, designing concrete mix following I.S. 10262 and I.S. 456, transporting the mix with agitation in transit mixer to work site depositing the mix on a platform erected for the purpose at required levels of concreting and then placing the mix in its final location of form work, compacting and curing the same complete as per specification & direction of the Engineer-in-charge including computerised batching plant transit mixer with all accessories vibrators etc. inclusive of all other incidental charges in this connection complete but excluding cost of hire charge of platform and its supporting staging which would be paid through separate item. [cement to be supplied by the Manufacturer/ supplier] In ground floor and foundation.																
	(i) Without approved concrete pump	Cu.M	5855				5572										
	(ii) With approved concrete pump	Cu.M	6088				5752										
20	Supplying ready mixed concrete of M 35Grade with well graded stone chips of 20 mm nominal size containing designed quantity of cement per Cu.m of wet concrete produced in computerised batching plant under controlled condition using approved super plastisizer, designing concrete mix following I.S. 10262 and I.S. 456, transporting the mix with agitation in transit mixer to work site depositing the mix on a platform erected for the purpose at required levels of concreting and then placing the mix in its final location of form work, compacting and curing the same complete as per specification & direction of the Engineer-in-charge including computerised batching plant transit mixer with all accessories vibrators etc. inclusive of all other incidental charges in this connection complete but excluding cost of hire charge of platform and its supporting staging which would be paid through separate item. [cement to be supplied by the Manufacturer/ supplier] In ground floor and foundation.																
	(i) Without approved concrete pump	Cu.M	6016				5732										

**SECTION 1. ----- BUILDING WORKS**

**(C) Brickworks, Concrete Works etc.**

Item No.	Description of Items	Unit	Rate (Rs.)														REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri,Alipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	
	(ii) With approved concrete pump	Cu.M	6199				5913										
21	Supplying ready mixed concrete of M 40 Grade with well graded stone chips of 20 mm nominal size containing designed quantity of cement per Cu.m of wet concrete produced in computerised batching plant under controlled condition using approved super plastisizer, designing concrete mix following I.S. 10262 and I.S. 456, transporting the mix with agitation in transit mixer to work site depositing the mix on a platform erected for the purpose at required levels of concreting and then placing the mix in its final location of form work, compacting and curing the same complete as per specification & direction of the Engineer-in-charge including computerised batching plant transit mixer with all accessories vibrators etc. inclusive of all other incidental charges in this connection complete but excluding cost of hire charge of platform and its supporting staging which would be paid through separate item. [cement to be supplied by the Manufacturer/ supplier] In ground floor and foundation.																
	(i) Without approved concrete pump	Cu.M	6127				5842										
	(ii) With approved concrete pump	Cu.M	6312				6024										
	[Note: 1. Lifting charge for items of 12 to 21 of subhead B without approved concrete pump as per item 23 of subhead B. 2. Lifting charge for items of 12 to 21 of subhead B with approved concrete pump @ Rs 20/- per Cu.m per floor.]																
22	(I) Cement concrete with graded stone ballast (40 mm size excluding shuttering) In ground floor (A) [Pakur Variety]																
	(a) 1:3:6 proportion	Cu.M	5190	4757	4672	4174	4769	4648	5128	4710	4833	5084	4246				5461
	(b) 1:4:8 proportion	Cu.M	4905	4462	4376	3866	4475	4351	4841	4414	4539	4795	3930				5171
	(B) With N.B. Variety stone metal.																
	(a) 1:3:6 proportion	Cu.M												4793	3620	3620	3837
	(b) 1:4:8 proportion	Cu.M												4488	3291	3291	3513

**SECTION 1. ----- BUILDING WORKS**

**(C) Brickworks, Concrete Works etc.**

Item No.	Description of Items	Unit	Rate (Rs.)														REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Sitiguri Sub Divn.	Jalpaiguri, Alipurdwar, plains of Sitiguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	
	(II) Cement concrete with 30 mm down graded shingles excluding shuttering. N.B. Variety																
	In ground floor																
	(a) 1:3:6 proportion	Cu.M											4425	3307	3307	3671	
	(b) 1:4:8 proportion	Cu.M											4112	2971	2971	3342	
	(III) Cement concrete with 32 mm down graded gravel excluding shuttering																
	In ground floor																
	(a) 1:3:6 proportion	Cu.M						3478	3329	3195							
	(b) 1:4:8 proportion	Cu.M						3156	3004	2867							
23	Add extra over the rate of ground floor for basement and each additional floor above ground floor for items 1, 4 to 22 of subhead B																
	(i) upto 4 th floor.	Cu.M.	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95
	(ii) above 4 th floor	Cu.M.	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116
	Note: 1) For thin concrete members upto a thickness of 65 mm involving shuttering and scaffolding rate of concrete enhanced by 150% of rate by volume (Cost of shuttering & reinforcement excluded). 2. For tall structure like overhead reservoir on R.C. frame, the ground floor equivalent height shall be taken as 4 m. Every 4 m or part thereof above 4 m shall be taken as each additional floor for purpose of this item. 3. For item nos 4(a), 5(i), 6(i), 7(i), 8, 9, 10(i), 12 to 21 of subhead B costruction wing is to add cost & carriage (including loading & unloading) of Coarse Aggregate only to arrive at consolidated rate.																

**SECTION 1. ----- BUILDING WORKS**

**(C) Brickworks, Concrete Works etc.**

Item No.	Description of Items	Unit	Rate (Rs.)														REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Sitiguri Sub Divn.	Jalpaiguri, Alipurdwar, plains of Sitiguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	
24	Providing Bored Cast-in-situ_____ grade R.C.C. pile in position as per specifications in all kinds of soil including cost of boring using drilling mud to stabilize the bore and flushing the bore of excess mud with freshly prepared drilling fluid by using pumps prior to placing concrete by tremie pipe in one continuous operation and including the cost of all materials and labour for placing of concrete and also including the cost of mobilization and hire charges of all equipment necessary for boring, welding of reinforcement cage as necessary and lowering of reinforcement cage, preparation and placing of concrete, including the cost of concrete but excluding the cost of reinforcement and labour for bending binding etc. complete as per Drawing and Technical Specifications and removal of excavated earth with all lifts and lead upto 1000 m. Work to be executed as per IS: 2911 (Part II Sec 2).																
	(a) Using hydraulic piling rig																
	i) Pile diameter - 450 mm.	Mtr.	1636	1636	1636	1636	1636	1636	1636	1636	1636	1636	1713	1636	1636	1636	
	ii) Pile diameter - 500 mm.	Mtr.	1716	1716	1716	1716	1716	1716	1716	1716	1716	1716	1797	1716	1716	1716	
	iii) Pile diameter - 550 mm.	Mtr.	1803	1803	1803	1803	1803	1803	1803	1803	1803	1803	1888	1803	1803	1803	
	iv) Pile diameter - 600 mm.	Mtr.	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1989	1900	1900	1900	
	v) Pile diameter - 650 mm.	Mtr.	2008	2008	2008	2008	2008	2008	2008	2008	2008	2008	2102	2008	2008	2008	
	vi) Pile diameter - 700 mm.	Mtr.	2128	2128	2128	2128	2128	2128	2128	2128	2128	2128	2228	2128	2128	2128	
	(b) Using tripod, winches																
	i) Pile diameter - 450 mm.	Mtr.	743	743	743	743	743	743	743	743	743	743	773	743	743	743	
	ii) Pile diameter - 500 mm.	Mtr.	784	784	784	784	784	784	784	784	784	784	816	784	784	784	
	iii) Pile diameter - 550 mm.	Mtr.	831	831	831	831	831	831	831	831	831	831	864	831	831	831	
	iv) Pile diameter - 600 mm.	Mtr.	885	885	885	885	885	885	885	885	885	885	920	885	885	885	
	v) Pile diameter - 650 mm.	Mtr.	946	946	946	946	946	946	946	946	946	946	983	946	946	946	
	vi) Pile diameter - 700 mm.	Mtr.	1014	1014	1014	1014	1014	1014	1014	1014	1014	1014	1054	1014	1014	1014	



**SECTION 1. ----- BUILDING WORKS**

**(C) Brickworks, Concrete Works etc.**

Item No.	Description of Items	Unit	Rate (Rs.)														REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Sitiguri Sub Divn.	Jalpaiguri,Alipurduar, plains of Sitiguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	
	<i>Note:</i> 1. The rate provided is exclusive of cost of concrete. Construction wing is to add cost of concrete of desired grade for volume corresponding to 1.0m length of pile length, to arrive at the complete rate. Also the desired crushing strength is to be mentioned in the space provided in the description of item. The Rate of providing the temporary steel casing upto 3m depth is included. 2.To obtain the complete rate the construction wing have to add cost of concrete volume for 1m length of pile, multiplied by a factor:[1+ { dummy length of pile( max=1.5m) / Individual pile length}] 3. The cost of dismantling the length of the pile above cut off level is to be paid separately.																
25	Driven Cast-in-place_____ grade vertical R.C.C. pile of required diameter and required length (length to be measured from the bottom of raft / Pile Cap to the bottom of shoe) including cost of all materials and labour for casting, hoisting, driving etc. and also including cost of dummy lengths of pile and of hire charges of all instruments as necessary but excluding reinforcement complete as per drawing and & Technical Specification.																
	i) Pile diameter - 450 mm.	Mtr.	988	988	988	988	988	988	988	988	988	988	988	1024	988	1024	988
	ii) Pile diameter - 500 mm.	Mtr.	1010	1010	1010	1010	1010	1010	1010	1010	1010	1010	1010	1046	1010	1046	1010
	iii) Pile diameter - 550 mm.	Mtr.	1032	1032	1032	1032	1032	1032	1032	1032	1032	1032	1032	1069	1032	1069	1032
	iv) Pile diameter - 600 mm.	Mtr.	1056	1056	1056	1056	1056	1056	1056	1056	1056	1056	1056	1093	1056	1093	1056
	v) Pile diameter - 650 mm.	Mtr.	1106	1106	1106	1106	1106	1106	1106	1106	1106	1106	1106	1145	1106	1145	1106
	vi) Pile diameter - 700 mm.	Mtr.	1133	1133	1133	1133	1133	1133	1133	1133	1133	1133	1133	1173	1133	1173	1133

**SECTION 1. ----- BUILDING WORKS**

**(C) Brickworks, Concrete Works etc.**

Item No.	Description of Items	Unit	Rate (Rs.)													REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri,Alipurdwar, plains of Siliguri Sub Divn. & Area of Haldibari PS	
	<p><i>Note:</i></p> <p>1. The rate provided is exclusive of cost of concrete. Construction wing is to add cost of concrete of desired grade for volume corresponding to 1.0m length of pile length, to arrive at the complete rate. Also the desired crushing strength is to be mentioned in the space provided in the description of item. The Rate of providing the temporary steel casing upto 3m depth is included.</p> <p>2.To obtain the complete rate the Note:</p> <p>1.The rate provided is exclusive of cost of concrete. Construction wing is to add cost of concrete of desired grade for volume corresponding to 1.0m length of pile length, to arrive at the complete rate. Also the desired crushing strength is to be mentioned in the space provided in the description of item.</p> <p>2. In case steel lining is included in the design for driven cast in situ pile and is planned to be retained, the same is to be included in the rate analysis. In case the temporary steel casing used during casting is planned to be removed an additional cost of 0.5% of the cost of concrete is to be provided to cover in usage.</p> <p>3. The quantity of concrete required to be removed above the designed top level of the concrete, if any, is to be added in the rate analysis.</p> <p>4. The cost of dismantling the length of the pile above cut off level is to be paid separately.</p>															

**SECTION 1. ----- BUILDING WORKS**

**(C) Brickworks, Concrete Works etc.**

Item No.	Description of Items	Unit	Rate (Rs.)														REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri,Alipurdwar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	
	<p><i>Note:</i></p> <p>1. Add extra over the rate of ground floor for basement and each additional floor above ground floor for item 33 under subhead B (i) upto 4 th floor. = Rs.96/Cum (ii) above 4 th floor =Rs. 117/cum</p> <p>2.Add extra for basement and each additional floor over the rate for ground floor on item Nos. A(32, 34) (i) upto 4 th floor. = Rs.112/Cum (ii) above 4 th floor =Rs. 134/cum</p> <p>3.Add extra for each additional floor over the rate for ground floor on items A(33,35 &amp;36) (i) upto 4 th floor. = Rs.12/Sqm (ii) above 4 th floor =Rs. 13/Sqm</p>																
26	Removal of mud/sludge/slurry/liquid earth obtained during piling work from the working site and disposal of the same beyond the KMC/Municipal or any suitable area with conformity of Municipal Corporation Rules using tanker including loading and unloading the same with pump, clearing the site complete in all respect as per direction of the Engineer-in-charge.																
	(a) For 450mm Pile	Mtr.	21	21	21	21	21	21	21	21	21	21		21	21	21	
	(b) For 500mm Pile	Mtr.	26	26	26	26	26	26	26	26	26	26		26	26	26	
	(c) For 600mm Pile	Mtr.	38	38	38	38	38	38	38	38	38	38		38	38	38	

**SECTION 1. ----- BUILDING WORKS**

**(C) Brickworks, Concrete Works etc.**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Sitiguri Sub Divn.	Jalpaiguri, Alipurdwar, plains of Sitiguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
27	Cement concrete (1:1.5:3) with graded stone chips 5.6 mm size with hexagonal square mesh wire netting, I.R.C. fabric mesh or X.P. M. fitted and fixed after tying the existing reinforcement on concrete without distributing the same and with proper scarping and cleaning the reinforcement and disturbed concrete with wire brush etc. after applying a coat of cement including the cost of wire netting I.R.C or X. P. M. & cost of all handling and scaffolding complete as per direction of Engineer-in -charge.																	
	a) 20 mm thick	Sq.m	488	481	477	469	479	481	486	478	481	482	471	502	486	492	485	
	b) 25 mm thick	Sq.m	517	510	505	493	507	509	515	506	509	510	496	535	515	523	514	
	c) 37.5mm thick	Sq.m	587	575	568	551	572	574	584	570	574	576	555	613	583	596	582	
28	Precast pierced concrete jally work as per design and manufacturer's specification including moulding etc. with stone chips and necessary reinforcement shuttering complete including fitting, fixing in position in all floors.																	
	(a) 50 mm. thick panels	Sq. M	359	359	359	359	359	359	359	359	359	359	359	359	359	359	359	
	(b) 37.5 mm thick panels	Sq. M	312	312	312	312	312	312	312	312	312	312	312	312	312	312	312	
	(Cement and steel required for item no. 28 of subhead B will not be issued by Deptt.)																	
29	Supplying fitting approved type ventilator in position after cutting holes in walls setting in cement mortar mending damages to wall and plaster and two coats of paint of approved brand of any shade. Payment of mending good damages of wall & plaster and painting to be made separately.																	
	(a) C.I. ventilator of 5 mm. thick																	
	(i) Upto 0.10 sq.m. area	Each	86	86	86	86	86	86	86	86	86	86	86	87	86	86	86	
	(ii) Above 0.10 sq.m. area	Each	96	96	96	96	96	96	96	96	96	96	96	97	96	97	97	
	(b) R.C.C ventilator of 20 mm. thick																	
	(i) Upto 0.10 sq.m. area	Each	108	108	108	108	108	108	108	108	108	108	108	110	108	108	108	
	(ii) Above 0.10 sq.m. area	Each	129	129	129	129	129	129	129	129	129	129	129	132	129	129	129	
30	Supplying, fitting and fixing Fan Hook for ceiling with 1 metre long 16mm. dia rod complete including mending damages. Payment for damage and repair to be made separately.	Each	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	

**SECTION 1. ----- BUILDING WORKS**

**(C) Brickworks, Concrete Works etc.**

Item No.	Description of Items	Unit	Rate (Rs.)														REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Sitiguri Sub Divn.	Jalpaiguri,Alipurdwar, plains of Sitiguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	
31	R.C. weather board (1:1.5:3) with stone chips and necessary reinforcement upto 1% (including main and distribution bars), shuttering and 10 mm. thick cement plaster (1:4) including all moulding, drip course etc. complete in ground floor.																
	50 mm thick using steel of																
	I. SAIL/ TATA/RINL	Sq. M	1020	991	977	953	993	995	1001	978	994	994	975	1065	1011	1030	1005
	II. Other than SAIL/ TATA/RINL	Sq.m.	1011	981	967	944	984	985	992	968	984	985	965	1055	1001	1020	995
32	R.C. shelves (1:1.5:3) either precast or cast in situ with stone chips and necessary reinforcement upto 1% (0.8% main and 0.2% distribution bars), shuttering etc. and 10 mm. thick cement plaster (1:4) including neat cement finishing and cutting chase fitting and fixing in position, mending good damages as necessary complete. In ground floor																
	(a) 50 mm. Thick panels																
	I. SAIL/ TATA/RINL	Sq. M	1002	975	962	941	977	978	985	964	978	978	959	1041	992	1009	987
	II. Other than SAIL/ TATA/ RINL	Sq. M	970	943	930	910	945	947	953	932	945	946	927	1008	960	977	955
	(b) 37.5 mm. Thick panels																
	I. SAIL/ TATA/RINL	Sq. M	875	851	841	825	855	855	859	842	855	855	841	907	866	878	863
	II. Other than SAIL/ TATA/RINL	Sq. M	851	828	817	801	831	831	835	818	831	832	817	883	841	854	839
	Add extra for each additional floor over the rate for ground floor on items 31, 32 of subhead B																
	(a) upto 4th floor	Sq. M	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
	(b) above 4th floor	Sq. M	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
33	Ordinary Cement concrete (mix 1:2:4) with graded stone chips (6mm nominal size) excluding shuttering and reinforcement,if any, in ground floor as per relevant IS codes.																
	Pakur variety	Cu.M.	5275	4901	4737	4324	4881	4768	5217	4826	4941	5072	4411	6251	5170	5450	5548

**SECTION 1. ----- BUILDING WORKS**

**(C) Brickworks, Concrete Works etc.**

Item No.	Description of Items	Unit	Rate (Rs.)														REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Sitiguri Sub Divn.	Jalpaiguri,Alipurdwar, plains of Sitiguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	
34	Supplying,hoisting,fitting and fixing R.C.C. precast thin lintels, 75 mm. thick (1:1.5:3) conforming to the specification laid down in C.B.R.I. data sheet No.1 with stone chips, sand, cement and reinforcement (both main and distribution) bars upto 1.00 percent as per drawing and specification including placing in situ and supporting arrangement for taking the load of super-imposed brick work and striking of the same when directed.																
	I. SAIL/ TATA/RINL	Cu.M.	11090	10736	10667	10257	10746	10646	11041	10698	10799	10913	10454	12069	11121	11366	11452
	II. Other than SAIL/ TATA/RINL	Cu.M.	10392	10036	9967	9557	10046	9947	10341	9998	10099	10214	9745	11360	10411	10656	10743
35	Extra rate for adding Polyester Fibre anti shrinkage material @ 0.25% by weight of cement [or as per Manufacturer's Specification] as secondary reinforcement to arrest hair crack in concrete including cost of Fibre .	Kg	414	414	414	414	414	414	414	414	414	414	414	414	414	414	414
36	Hire and labour charges for shuttering with centering and necessary staging upto 4 m using approved stout props and thick hard wood planks of approved thickness with required bracing for concrete slabs, beams and columns, lintels curved or straight including fitting, fixing and striking out after completion of works (upto roof of ground floor)																
	(When the height of a particular floor is more than 4 m the equivalent floor height shall be taken as 4 m and extra for works beyond the initial 4 m ht. shall be allowed under 12 (e) for every 4 m or part thereof)																
	(a) 25 mm to 30 mm thick wooden shuttering as per decision & direction of Engineer-In-Charge.	Sq.m	335	328	324	328	334	324	321	321	330	330	328	334	328	328	328
	(b) Above 30 mm & upto 37 mm thick wooden shuttering as per decision & direction of Engineer-In-Charge.	Sq.m	348	339	336	339	347	336	332	332	342	342	339	347	339	339	339
	(c) Steel shuttering or 9 to 12 mm thick approved quality ply board shuttering in any concrete work	Sq.m	369	363	359	363	368	359	357	357	365	365	363	374	363	363	363
	(d) Extra for works beyond the roof of ground floor per additional floor																
	(i) upto 4th (per floor) and in basement.	Sq.m	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
	(ii) above 4th floor (per floor).	Sq.m	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22

**SECTION 1. ----- BUILDING WORKS**

**(C) Brickworks, Concrete Works etc.**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hooghly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Sitiguri Sub Divn.	Jalpaiguri, Alipurdwar, plains of Sitiguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
	(e) Extra for staging beyond 4 m in any floor (Mode of measurement: area in plan x mean height of staging upto soffit of shuttering above initial 4 m)	Cu.M	61	60	58	59	61	58	58	58	60	60	60	61	60	60	60	
	(f) 25 mm to 30 mm shuttering without staging in foundation	sq. m	209	205	205	205	209	205	203	203	205	205	205	209	205	205	205	
	Notes:- For shuttering in shell roof, grid roof with vertical faces folded plate, arched roof the rate in 36 (a), 36 (b) & 37 (c) of subhead B above to be increased by 100 % . For grid roof with splayed faces, rate is to be increased by 150%.																	
37	(a) Hire and labour charges for shuttering for concrete work in overhead R.C. Reservoir on separate R.C. frame including fitting, fixing and striking off after completion of work including staging upto 4 m using ply board or steel shuttering. (Not applicable for resting on roof top)	sq. m	688	668	655	663	684	655	645	645	672	672	668	689	668	668	668	
	(b) Extra for Staging beyond 4 m [mode of measurement: Area of unsupported horizontal projection (where staging beyond 4 m is practically unavoidable) x mean height of staging] above initial 4 m.	Cu.M	156	149	146	149	155	146	143	143	152	152	149	155	149	149	149	
38	Hire and Labour Charges for shuttering with hard wood for precast R.C. Slab curved, or stright and striking out the same including fitting, fixing the precast slab in position with necessary carriage and haulage, hosting etc, complete in all respect. (only the area in contact with concrete to be measured)	Sq.m	94	93	93	93	94	93	92	92	93	93	93	94	93	93	93	
39	Extra for high scaffolding in water tank for repairing, painting etc.	Each	5826	5826	5826	5826	5826	5826	5826	5826	5826	5826	5826	5826	5826	5826	5826	
	NOTE : Height of the bottom of the tank not less than 15 mtrs.																	
40	Reinforcement for reinforced concrete work in all sorts of structures including distribution bars, stirrups, binders etc initial straightening and removal of loose rust (if necessary), cutting to requisite length, hooking and bending to correct shape, placing in proper position and binding with 16 gauge black annealed wire at every intersection, complete as per drawing and direction.																	

**SECTION 1. ----- BUILDING WORKS**

**(C) Brickworks, Concrete Works etc.**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Sitiguri Sub Divn.	Jalpaiguri, Alipurdwar, plains of Sitiguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
	(a) For works in foundation and upto roof of ground floor/upto 4 m																	
	(i) Tor steel/Mild Steel																	
	I. SAIL/ TATA/RINL	M.T.	58249	58103	58103	58103	58103	58103	58103	58103	58103	58103	60205	60221	60205	60205	60205	
	II. Other than SAIL/ TATA/RINL	M.T.	55776	55629	55629	55629	55629	55629	55629	55629	55629	55629	57608	57622	57608	57608	57608	
	(b)Add extra over the rate of ground floor/initial 4 m for each basement floor and each additional floor below/ above ground floor																	
	(i) Upto 4 th floor roof in each addl. floor	Qntl	48	43	43	43	43	43	43	43	43	43	43	43	43	43	43	
	(ii) Above 4 th floor roof per addl. floor/every 4 m	Qntl	56	50	50	50	50	50	50	50	50	50	50	50	50	50	50	
41	Labour for straightening of coil bars of any dia including stacking	Qntl	153	144	144	144	144	144	144	144	144	144	144	144	144	144	144	
42	Labour for Placing on forms (i.e. shuttering) I.R.C. or similar welded mesh fabric of approved sizes. (Payment to be made on net area used including cutting straightening, bending, binding with 16 gauge black annealed wire, removing rust etc, complete as per direction)	Sq.m	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	
<b>C. REPAIR AND REHABILITATION WORKS</b>																		
1	Reconstructing brick chulla with ½ old and ½ new 1st class bricks in lime mortar (1:2) and 20 mm thick (1:2) surki beaten plaster and renewal of grating and cheeks (overall measurement not less than 1 cu.m.)	Each	4379	4024	3650	3650	4388	4193	4281	3894	4039	4021	4003	4961	4039	4021	4021	
2	Reconstructing brick chulla with ½ old and ½ new 1st class bricks in lime mortar (1:2) and 20 mm thick (1:2) surki beaten plaster and renewal of grating and cheeks (overall measurement not less than 0.5 cu m)	Each	2994	2775	2542	2542	3001	2881	2937	2695	2785	2773	2762	3356	2785	2773	2773	
3	Renewing iron grating with 19 mm M.S rod @ 5 cm centers of chulla including fixing in position in lime mortar (1 : 3) and plaster to match with the existing	Sq. M of grating	2406	2277	2235	2235	2406	2303	2361	2287	2287	2274	2263	2584	2287	2274	2274	
4	Renewing C.I boxes of chulla 375 x 375 x 300 mm including fixing in position and mending damages to match with the existing	Each	711	711	711	711	711	711	711	711	711	711	711	711	711	711	711	



**SECTION 1. ----- BUILDING WORKS**

**(C) Brickworks, Concrete Works etc.**

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5	Cleaning the concrete surface by removing dirt and debris, marking defective locations and removing loose concrete by careful stripping untill hard surface is exposed, cutting the concrete to regular shape, wire brushing the exposed surface and removing debris from site complete as per direction of the Engineer - in - Charge.	Sq. M	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	
6	Cleaning the exposed reinforcement preferably upto full diameter by wire brush, applying two coats of polymer based rust removing compound left for 24 hours, removing the coating and then applying two (2) coats of polymer modified anti corrosive protective coating formulated to inhibit the corrosion of reinforcement as per manufacturer's specification][Mode of measurement:The affected surface area of reinforcement shall be considered for payment]	Sq. M	782	785	785	785	785	785	785	785	785	785	785	804	782	782	782	
7	Applying epoxy based reactive joining agent for joining the old concrete with fresh concrete to be applied within manufacturer's specified time as per manufacturers specification. (0.4 Kg / m <sup>2</sup> of concrete surface).	Sq. M	309	309	309	309	309	309	309	309	309	309	309	313	309	309	309	
	Note: Applicable only when the full diameter of reinforcement steel is exposed.																	
8	(a) Applying 2 coats of bonding agent with synthetic multi functional rubber emulsion having adhesive and water proofing properties by mixing with water in proportion (1 bonding agent : 4 water : 6 cement) as per Manufacturer's specification [Cement to be supplied by the Department]	Sq. M	88	88	88	88	88	88	88	88	88	88	88	90	88	88	88	
	(b) Applying 2 coats of Non-Toxic Acrylic Polymer modified Paint having adhesive & waterproofing properties by mixing in proportion (1 liquid: 4 cementitious material) or as per manufacturer's specification for water proofing layer in water tank etc. (No Departmental Cement is required)	Sq. M	258	257	257	257	257	257	257	257	257	257	257	264	257	257	257	
9	Extra rate for using water proofing and plasticising admixture @ 0.2% by weight of cement (or at manufacturer's specified rate) for concrete of various grades.	kg	119	119	119	119	119	119	119	119	119	119	119	119	119	119	119	

**SECTION 1. ----- BUILDING WORKS**

**(C) Brickworks, Concrete Works etc.**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Sitiguri Sub Divn.	Jalpaiguri, Alipurdwar, plains of Sitiguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
10	Polymer concrete made with water resistant bonding agent of synthetic rubber emulsion as per manufacturer's specification excluding the cost of cement concrete (2.75 Kg / bag of cement) Note : Payment on volume of (1 : 1½ : 3) Concrete.	Cu.M	4414	4403	4403	4403	4403	4403	4403	4403	4403	4403	4403	4403	4403	4403	5197	
11	Removing corroded worn out portion of reinforcement (when the area of bar is damaged by more than 25%) by cutting and replacing the same by a new plain round bar of requisite diameter by binding with required lap / welding with old bar, including cost of reinforcement, complete in all respect including removing unserviceable materials from site as per direction of the Engineer - in - charge. Note : Payment on weight (Kg.) of new reinforcement.	Kg	87	87	87	87	87	87	87	87	87	87	89	89	89	89	89	

**SECTION 1. ----- BUILDING WORKS**

**(D) Flooring**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurdwar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
	<b><u>A. ORIGINAL WORKS</u></b>																	
1	25mm. thick damp proof course with cement concrete with stone chips (1:1.5:3) [with graded stone aggregate 10 mm nominal size] and admixture of water proofing compound as per manufacturer's specification followed by two coat of polymer based paint, (1st coat after 4 to 5 days of concrete laying and 2 nd coat just before brick masonry work) as directed (cost of water proofing compound & polymer based paint to be paid separately).( Chequering not required over concrete or painted surface). <b>[Note: - Waterproofing as per item 9, polymer based paint as per item 8 (a) of subhead C of Section (C).</b>	Sq.m	186	176	185	173	187	184	195	185	188	192	176	221	194	201	204	
2	25 mm. thick damp proof with cement concrete (1:1.5:3) (with graded stone aggregate 10 mm. normal size) and painting the top surface with a coat of bitumen [VG.40 ] using 1.7 kg. per sq.m. including heating the bitumen and cost and carriage of all materials complete. [Bitument to be supplied by the Agency]	Sq.m	259	259	258	246	260	257	268	258	261	264	249	294	267	274	277	
3	Supplying and laying Polythene Sheet (150gm / sq.m.) over damp proof course or below flooring or roof terracing or in foundation or in foundation trenches.	Sq. M	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	
4	40 mm. thick damp proof course with cement concrete (1:1.5:3) (with graded stone chips 20 mm nominal size) with water proofing compound of approved brand @ 0.2% weight of cement including cost of materials over two coats of non toxic acrylic polymer modified cementitious waterproofing slurry coat complete [cost of water proofing compound and non toxic paint to be paid seperately] for underground water retaining structures. <b>[water proofing as per item no 9 and non toxic paint as per item no. 8 (b) of subhead C of Section 'C' ]</b>	Sq. M	290	282	279	261	282	278	296	280	285	290	265	337	295	305	309	

**SECTION 1. ----- BUILDING WORKS**

**(D) Flooring**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurdwar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
5	Terraced flooring of lime concrete with stone lime, surki & 32 mm down Jhama khoa(1.5:2:7) (1.5 lime putty:2 surki: 7 jhama khoa)																	
	(a) 75 mm. thick	Sq. M	398	371	-	360	414	388	393	-	372	371	370	-	372	366	366	
	(b) 100 mm. thick	Sq. M	522	486	-	471	543	508	515	-	487	486	484	-	487	480	480	
	NOTE : 633 kg. unslaked lime make @ 1 cu.m. of lime putty / paste.																	
6	Artificial stone in floor, dado, staircase etc with cement concrete (1:2:4) with stone chips, laid in panels as directed with topping made with ordinary or white cement (as necessary) and marble dust in proportion (1:2) including smooth finishing and rounding off corners including raking out joints or roughening of concrete surface and application of cement slurry before flooring works using cement @ 1.75 kg/sq.m all complete including all materials and labour.  In ground floor. 3 mm. thick topping (High polishing grinding on this item is not permitted with ordinary cement). Using grey cement																	
	(i) 20 mm. thick	Sq. M	237	232	227	218	229	232	235	228	230	230	221	249	235	243	231	
	(ii) 25 mm. thick	Sq. M	269	263	258	246	259	264	267	259	262	262	249	286	269	278	262	
	(iii) 35 mm. thick	Sq. M	330	321	313	296	316	321	328	314	318	319	300	352	327	341	319	
	(Add extra @1.5% for each addl. floor upto 4th floor and @1.75% for each additional floor above 4th floor for item No.5 and 6 of subhead A).																	
7	Extra cost of colouring over corresponding items of artificial stone																	
	(A) For item 3																	
	[with 3 mm thick colour topping]																	
	(i) Colouring black	Sq. M	140	140	140	140	140	140	140	140	140	140	140	147	140	140	140	
	(ii) Colouring red	Sq. M	147	147	147	147	147	147	147	147	147	157	157	164	157	157	157	

**SECTION 1. ----- BUILDING WORKS**

**(D) Flooring**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurdwar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
	(iii) Colouring pink, cream, yellow, green	Sq. M	150	150	150	150	150	150	150	150	150	150	150	157	150	150	150	
	(These colour items should be done by using white cement only for 3 mm topping using white cement @ 3.4 kg/Sq.m, marble dust @ 1.7 kg/Sq.m and pigment @ 0.35 kg/ Sq.m.)																	
	[White cement to be supplied by the Agency including cost thereof and Departmental Cement @ 5.1 kg/ Sq.m be less issued corresponding to item 6 of subhead A.]																	
8	Extra cost of labour over grey artificial stone for																	
	(i) Chequering	Sq. M	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	
	(ii) Border (upto 75 mm. width)	% Mtr.	1395	1395	1395	1395	1395	1395	1395	1395	1395	1395	1395	1395	1395	1395	1395	
	(iii) Nosing, bead, moulding etc.	% Mtr.	1570	1570	1570	1570	1570	1570	1570	1570	1570	1570	1570	1570	1570	1570	1570	
	(iv) Moulding hand-rail of verandah, staircase etc.	% Mtr.	2441	2441	2441	2441	2441	2441	2441	2441	2441	2441	2441	2441	2441	2441	2441	
9	35 mm. thick (finished) terrazo work, cast in situ in floor and 20 mm. thick (finished) in dado, skirting staircase etc. laid in panels or pattern using cement concrete (1:2:4) backing with 12 mm stone chips as directed and necessary terrazo topping with mosaic chips including rounding off corners and high polishing etc. complete as per specification laid down in I.S : 2114-1962 including raking out joints or roughening of concrete surface & application of cement slurry before flooring works using cement @ 1.75 kg./sq.m. all complete including all materials & labour. (Add extra @ 1.5% for each additional floor upto 4 th floor and @ 1.75 % for each addl. floor above 4 th floor) [White cement for item No 9 of subhead A to be supplied by the contractor including cost thereof and grey cement will be supplied by the Dept at the issue rate]																	
	In ground floor.																	

**SECTION 1. ----- BUILDING WORKS**

**(D) Flooring**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
	(A) 9 mm. thick terazo topping, laying and finished to 6 mm. thick after final grinding with 0 to 7 mm. size mosaic chips																	
	(i) In ordinary grey colour	Sq. M	623	614	607	593	610	614	620	608	612	612	597	652	621	631	613	
	(ii) In black colour	Sq. M	659	651	644	630	646	651	656	644	648	649	633	680	656	668	649	
	(iii) In red colour	Sq. M	685	676	669	655	671	676	681	670	673	685	670	725	694	704	686	
	(iv) In silver grey (ordinary cement and white cement to be used in equal proportion in topping)	Sq. M	701	692	685	671	687	692	697	686	689	690	674	735	698	708	690	
	(v) In pink, green, yellow, light green colour using white cemeny only and necessary pigment.	Sq. M	817	808	801	787	804	809	814	802	805	806	790	856	814	824	806	
	(B) 12 mm. thick terrazo topping, laying and finihsed to 9 mm. thick after final grinding with 0 to 10 mm. size mosaic chips.																	
	(i) In ordinary grey colour	Sq. M	688	682	676	664	678	683	687	677	680	681	668	717	687	698	682	
	(ii) In black colour	Sq. M	763	757	751	738	753	757	762	752	755	755	742	791	761	773	756	
	(iii) In red colour	Sq. M	774	769	763	750	765	769	774	763	767	783	770	819	789	800	784	
	(iv) In silver grey (ordinary cement and white cement to be used in equal proportion in topping)	Sq. M	762	757	751	738	753	757	762	751	754	755	741	798	760	772	755	
	(v) In pink, green, yellow, light green colour using white cement only and necessary pigment.	Sq. M	928	923	917	904	919	923	928	917	920	920	906	971	925	936	920	

**SECTION 1. ----- BUILDING WORKS**

**(D) Flooring**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri,Alipurdwar, plains of Sitiguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
10	20 mm. thick (finished) terrazo work with precast tiles set on 20 mm avg thick cement mortar (1:3) and sides with admixture of pigment and white/grey cement as necessary in floor, dado, skirting, staircase etc. laid in panels or in patterns including high polishing, raking out joints, roughening of concrete surface & application of cement slurry before flooring works using cement @ 1.75 kg. per sq.m. all complete including all materials & labour. ( Add extra @ 1.5 % for each additional floor upto 4th floor and @ 1.75 % for each additional floor above 4th floor). In ground floor.																	
	(A) 9 mm. thick terrazo topping, laying and finished to 6 mm. thick after final grinding with 0 to 7 mm. size mosaic chips.																	
	(i) In ordinary grey colour	Sq. M	888	872	869	869	881	875	873	869	878	878	880	902	878	878	884	
	(ii) In black colour	Sq. M	967	950	947	947	959	953	951	947	957	957	958	980	957	957	962	
	(iii) In red colour	Sq. M	990	973	970	970	983	976	974	970	980	988	990	1012	988	988	994	
	(iv) In silver grey (ordinary cement and white cement to be used in equal proportion in topping).	Sq. M	1005	989	986	986	998	992	990	986	995	995	996	1023	995	995	1000	
	(v) In pink, green, yellow, light green colour using white cemeny only and necessary pigment.	Sq. M	1128	1111	1108	1108	1120	1114	1112	1108	1118	1118	1118	1161	1117	1117	1122	
	(B) 12 mm. thick terrazo topping, laying and finished to 9 mm. thick after final grinding with 0 to 10 mm. size mosaic chips.																	
	(i) In ordinary grey colour	Sq. M	926	909	907	907	919	912	911	907	916	916	917	945	917	916	921	
	(ii) In black colour	Sq. M	1016	1000	998	998	1010	1004	1002	998	1007	1007	1008	1035	1006	1007	1012	
	(iii) In red colour	Sq. M	1022	1007	1004	1004	1016	1010	1008	1004	1014	1022	1023	1050	1022	1022	1027	
	(iv) In silver grey (ordinary cement and white cement to be used in equal proportion in topping)	Sq. M	1043	1028	1025	1025	1037	1031	1029	1025	1034	1034	1035	1067	1034	1034	1039	
	(v) In pink, green, yellow, light green colour using white cement only and necessary pigment.	Sq. M	1166	1150	1147	1147	1159	1153	1151	1147	1157	1157	1157	1194	1156	1156	1161	

**SECTION 1. ----- BUILDING WORKS**

**(D) Flooring**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurdwar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
11	Extra over corresponding item of precast terrazo work including cost of materials, labour etc.																	
	(i) For 25 mm. (finished) thick.	Sq. M	54	54	54	54	54	54	54	54	54	54	54	48	54	54	54	
	NOTE : (For item no. 10 & 11 of subhead A, no cement will be supplied by the Deptt., for manufacture of precast / tiles).																	
12	Extra cost of labour over corresponding items of mosaic work																	
	(a) For borders (upto 75 mm. width)	% Mtr.	1340	1340	1340	1340	1340	1340	1340	1340	1340	1340	1340	1340	1340	1340	1340	
	(b) For nosing, bead moulding etc.	% Mtr.	1486	1486	1486	1486	1486	1486	1486	1486	1486	1486	1486	1486	1486	1486	1486	
	(c) For moulded hand rail of verandah, staircase etc.	% Mtr.	2234	2234	2234	2234	2234	2234	2234	2234	2234	2234	2234	2234	2234	2234	2234	
13	Supplying dividing strip fitted and fixed with cement mortar (1:3) in mosaic or patent stone floor, dado etc. complete as per direction of the Engineer-in-charge.																	
	(i) Glass - 3mm. thick																	
	(a) 20 mm. wide strip	Mtr.	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	
	(b) 25 mm. wide strip	Mtr.	17	18	18	18	18	18	18	18	18	18	18	18	17	18	18	
	(c) 37 mm. wide strip	Mtr.	19	19	19	19	19	19	19	19	19	19	19	20	19	19	19	
	(ii) Aluminium - 25 mm. wide & 2mm. thick.	Mtr.	43	43	43	43	43	43	43	43	43	43	43	45	46	46	46	
14	Crazy marble stone flooring, including filling the gaps with light shade pigment with white cement marble powder mixture (3 parts of white cement : 1 part of marble powder) by weight in proportion of 4:7 (4 cement marble powder mix : 7 white, black or white and black marble chips of sizes from 1 mm to 4 mm nominal size by volume), with under layer 25 mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 12.5 mm nominal size), including rubbing, polishing and cement slurry etc. complete:  15-18 mm thick crazy marble stone white, black or as specified	Sqm.	793	785	778	764	780	785	790	779	782	783	768	811	791	802	784	



**SECTION 1. ----- BUILDING WORKS**

**(D) Flooring**

Item No.	Description of Items	Unit	Rate (Rs.)														REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurdwar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	
15	Supplying, fitting and fixing Black Stone slab used in Kitchen slab, alcove, wardrobe etc. laid and jointed with necessary adhesive Cement mortar (1:2) including grinding or polishing as per direction of Engineer-in -Charge in Ground Floor.																
	(a) Slab Thickness 20 to 25 mm	Sq. M	642	642	642	642	642	642	642	642	642	642	642	653	642	642	642
	(b) Slab Thickness above 25 mm and upto 37.5 mm	Sq. M	712	712	712	712	712	712	712	712	712	712	712	723	712	712	712
	(Add extra for each addl floor over the rate for item 22, 25, 26, 17, 20, 31, 32 & 15 of subhead A. (I) upto 4 th floor- Rs. 12/-per Sq.m II) above 4th floor -Rs. 16/- per Sq.m																
16	(a) Supplying, fitting and fixing 20 mm. to 37.5 mm. thick Chunar / Mirzapur / Dholpur slab in floor set in 20 mm thick (avg) cement mortar (1:4) bed and pointing in cement mortar (1:2) [1 cement: 2 marble dust] with admixture of pigment matching the stone shade, polishing all complete as per direction of the E-I-C (Using cement slurry for bedding @ 4.4 kg/Sq.m and jointing @ 2.4 kg/Sq.m).																
	In ground floor	Sq. M	1038	1022	1019	1019	1031	1025	1023	1019	1029	1029	1029	1049	1028	1104	1109
	(b) Supplying fitting and fixing in position 8 mm. to 12 mm. thick Dholpur slab in wall, dado making suitable arrangement to hold the stone properly with approved polymerised adhesives (6 mm thick) as per ISI specification including pointing with cement mortar (1:2) (1 cement: 2 marble dust) with admixture of pigment matching the stone shades all complete as per direction of Engineer-in-charge including cost of all materials, labour, scaffolding, staging, curing complete [using white cement for pointing @ 2.4 kg/ Sq.m].																
	In ground floor	Sq. M	1158	1161	1161	1161	1161	1161	1161	1161	1161	1161	1161	1188	1161	1161	1161

**SECTION 1. ----- BUILDING WORKS**

**(D) Flooring**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurdwar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
17	18 mm. to 22 mm. thick, kota stone slab set in 20 mm thick (avg) cement mortar (1:4) in floor, stair & lobby including pointing in cement slurry with admixture of pigment matching the stone shade, including grinding & polishing as per direction of Engineer - in - charge to match with the existing work. [Slurry for bedding @ 4.4 kg/Sq.m and pointing @2.0 kg/Sq.m]	Sq. M	1016	1002	1000	1000	1010	1006	1002	1000	1010	1008	1010	1031	1008	1008	1012	
18	Extra cost of labour for prefinished and premoulded Nosing to treads of steps, railing, window sill etc. of Kota Stone.	m	224	224	224	224	224	224	224	224	224	224	224	224	224	224	224	
19	Extra cost of labour for grinding Kota Stone Floor in treads and riser of Steps.	Sq. M	209	209	209	209	209	209	209	209	209	209	209	209	209	209	209	
20	Supplying, fitting and fixing 18 mm. to 22 mm. thick kota stone slab in wall, dado in 15 mm thick [avg] cement mortar (1:3) including making suitable arrangement to hold the stone properly by brass / copper hooks including pointing in cement mortar (1:2) (1 cement : 2 marble dust) with admixture of pigments matching the stone shade, including grinding and polishing all complete as per direction of Engineer-in-charge including cost of materials, labour, scaffolding, staging, curing complete. [Using cement slurry for bedding @4.4 kg/Sq.m and for jointing @1.8 kg/Sq.m]	Sq. M	1154	1141	1140	1140	1148	1144	1141	1140	1148	1147	1148	1167	1147	1147	1151	
21	Grinding to marble / mosaic floor including remaining stone, if necessary, after cutting with manual labour / machine, where necessary	Sq. M	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	

**SECTION 1. ----- BUILDING WORKS**

**(D) Flooring**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri,Alipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
22	Supplying, fitting and fixing Marble Slab/tile of 15 to 18 mm thickness in floor, lobby, stair, landing & treads etc. over 20 mm (av.) thck base of Cement mortar (1:2) laid with white cement slurry @ 4.4 kg/Sq.m before placing marble & jointed with white cement slurry @ 2.0 kg/Sq.m with necessary pigments including grinding and Granite polishing as per direction of Engineering -in -Charge in Ground Floor. [White cement and Pigment to be supplied by the Agency]																	
	(a) With Makrana plain pink / Adranga Pink / Garbh Gulabi / Udaypur pink / Udaypur Green / Black Bhaslana																	
	(i) Area of each Slab/tile upto 0.3 sq.m.	Sq. M	1459	1445	1443	1443	1453	1448	1446	1443	1451	1451	1451	1491	1450	1450	1455	
	(ii) Area of each Slab/tile exceeding 0.3 sq.m. but not exceeding 0.6 sq.m.	Sq. M	1686	1672	1669	1669	1680	1675	1673	1669	1678	1678	1678	1718	1677	1677	1681	
	(iii) Area of each Slab/tile exceeding 0.60 sq.m but not exceeding 1.00 sq.m.	Sq. M	1915	1902	1900	1900	1910	1905	1903	1900	1908	1908	1908	1948	1907	1907	1912	
	(iv) Area of each slab/tile exceeding 1.00 sq.m (This item to be executed on specific permission of Superintending Engineer)	Sq. M	2145	2131	2129	2129	2139	2134	2132	2129	2137	2137	2137	2177	2136	2136	2141	
	(b) With Chawk Dungri																	
	(i) Area of each tile upto 0.3 sq.m.	Sq. M	1629	1615	1612	1612	1623	1618	1616	1612	1621	1621	1621	1661	1620	1619	1624	
	(ii) Area of each tile exceeding 0.3sq.m. but not exceeding 0.6 sq.m.	Sq. M	1858	1844	1842	1842	1852	1847	1845	1842	1850	1850	1850	1890	1849	1849	1853	
	(iii) Area of each tile exceeding 0.6 sq.m but not exceeding 1 sq.m.	Sq. M	2718	2704	2702	2702	2712	2707	2705	2702	2710	2710	2710	2751	2709	2709	2714	
	(iv) Area of each slab/tile exceeding 1.00 sq.m (This item to be executed on Specific permission of Superintending Engineer)	Sq. M	3785	3770	3768	3768	3779	3773	3772	3768	3776	3776	3777	4366	3775	3775	3780	
	23	Extra cost of labour for prefinished and premoulded Nosing to treads of steps, railing, window sill etc. of Marble Stone.	Meter	258	258	258	258	258	258	258	258	258	258	258	258	258	258	
24	Extra cost of labour for Marble Stone Floor in treads of Steps.	Sq. M	226	226	226	226	226	226	226	226	226	226	226	226	226	226		

**SECTION 1. ----- BUILDING WORKS**

**(D) Flooring**

Item No.	Description of Items	Unit	Rate (Rs.)														REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri,Alipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	
25	Supplying, fitting, fixing marble slab/tiles, 15 mm. to 18 mm. thick in dado / wall in 15 mm thick [avg] cement mortar (1:2) including making suitable arrangements to hold the stones properly by brass / copper hooks applying white cement slurry @ 4.4 kg/ sq.m at the back side of marble & pointing in cement mortar (1:2) (1 cement, 2 marble dust) with admixture of pigment matching the stone shades including polishing all complete as per direction of the Engineer-in-charge including cost of materials, labours, scaffolding, staging, curing complete. [White cement, Pigment to be supplied by the Agency]																
	(a) With Makrana plain pink / Adranga Pink / Garbh Gulabi / Udaypur Pink / Udaypur green / Black Bhalsana																
	(i) Area of each Slab/tile upto 0.3 sq.m.	Sq. M	1575	1565	1563	1563	1571	1567	1565	1563	1569	1569	1569	1606	1568	1568	1572
	(ii) Area of each slab/tile exceeding 0.3sq.m. but not exceeding 0.6 sq.m.	Sq. M	1803	1792	1790	1790	1798	1794	1793	1790	1796	1796	1796	1834	1796	1796	1799
	(iii) Area of each slab/tile exceeding 0.6 sq.m but not exceeding 1 sq.m.	Sq. M	2049	2038	2037	2037	2045	2041	2039	2037	2043	2043	2043	2080	2042	2042	2046
	(iv) Area of each slab/tile exceeding 1.00 sq.m (This item to be executed on Specific permission of Superintending Engineer)	Sq. M	2261	2251	2249	2249	2257	2253	2252	2249	2255	2255	2256	2293	2255	2255	2258
	(b) With Chawk Doongri																
	(i) Area of each tile upto 0.3 sq.m.	Sq. M	1745	1735	1733	1733	1741	1737	1736	1733	1739	1739	1740	1777	1739	1737	1742
	(ii) Area of each tile exceeding 0.3sq.m. but not exceeding 0.6 sq.m.	Sq. M	1975	1964	1962	1962	1970	1966	1965	1962	1968	1968	1968	2006	1968	1968	1971
	(iii) Area of each tile exceeding 0.6 sq.m but not exceeding 1 sq.m.	Sq. M	2835	2824	2822	2822	2830	2826	2825	2822	2829	2829	2829	2866	2828	2828	2832
	(iv) Area of each slab/tile exceeding 1.00 sq.m (This item to be executed on Specific permission of Superintending Engineer)	Sq. M	3902	3890	3889	3889	3897	3892	3891	3889	3895	3895	3895	4482	3894	3894	3898

**SECTION 1. ----- BUILDING WORKS**

**(D) Flooring**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
26	Supplying fitting and fixing 15 to 18 mm thick Marble slab/Tile in riser of step or skirting (upto 300 mm ht) over 15mm (avg) thick base of Cement mortar (1:2) laid with white cement slurry @ 4.4 kg/ Sq.m at back side of marble and jointed with white cement slurry @ 2.2 kg/ Sq.m with necessary pigments including grinding and Granite Polishing. [White cement and Pigment to be supplied by the Agency]																	
	(a) With Makrana plain pink / Adranga Pink / Garbh Gulabi / Udaypur Pink / Udaypur green / Black Bhalsana																	
	(i) Area of each Slab/tile upto 0.3 sq.m.	Sq. M	1591	1580	1579	1579	1587	1583	1581	1579	1585	1585	1585	1623	1584	1584	1588	
	(ii) Area of each tile exceeding 0.3sq.m. but not exceeding 0.6 sq.m.	Sq. M	1821	1810	1808	1808	1816	1812	1810	1808	1814	1814	1814	1852	1813	1813	1817	
	(b) With Chawk Doongri																	
	(i) Area of each tile upto 0.3 sq.m.	Sq. M	1763	1753	1751	1751	1759	1755	1753	1751	1757	1757	1757	1795	1756	1755	1760	
	(ii) Area of each tile exceeding 0.3 sq.m. but not exceeding 0.6 sq.m.	Sq. M	1993	1982	1980	1980	1988	1984	1982	1980	1986	1986	1986	2024	1985	1985	1989	
	Note:- Plain Polish may be accepted with approval of Engineer-in-charge with reduction Rs. 50/- per Sq.m for item 23, 24 and 26 of subhead A.																	

**SECTION 1. ----- BUILDING WORKS**

**(D) Flooring**

Item No.	Description of Items	Unit	Rate (Rs.)														REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri,Alipurdwar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	
27	Providing and fixing machine cut, mirror polished, Italian Marble stone (Imported quality, such as Perlato, Bottichino, Crema, Antique Beige, Dark Emperadore, Red Verona, Black Marquino etc.) flooring laid in required pattern in linear portion of the building all complete as per architectural drawings with Italian Marble stone slab laid over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with white cement slurry @ 4.4 kg/sqm including pointing with white cement slurry mixed with pigment to match the marble shade including rubbing, curing and polishing etc. all complete as specified and as directed by the Engineer-in-Charge. [This work should not be executed without specific permission of Superintending Engineer]																
	a) Light Beige Colour (such as Perlato, Bottichino, Crema)																
	i) 18 mm thick Italian Marble stone slab	Sqm.	4593	4576	4573	4573	4585	4580	4576	4573	4585	4584	4584	4608	4583	4583	4587
	ii) 20 mm thick Italian Marble stone slab	Sqm.	4947	4930	4927	4927	4939	4935	4930	4927	4939	4938	4938	4962	4937	4937	4942
	b) Dark Beige Colour (such as Antique Beige, Breccia)																
	i) 18 mm thick Italian Marble stone slab	Sqm.	4735	4717	4715	4715	4727	4722	4717	4715	4727	4725	4725	4749	4724	4724	4729
	ii) 20 mm thick Italian Marble stone slab	Sqm.	5300	5282	5280	5280	5291	5287	5282	5280	5291	5290	5290	5314	5289	5289	5294
	c) Dark Colour (such as Dark Emperadore, Red Verona, Black)																
	i) 18 mm thick Italian Marble stone slab	Sqm.	5653	5636	5633	5633	5645	5640	5636	5633	5645	5644	5644	5667	5643	5643	5647
	ii) 20 mm thick Italian Marble stone slab	Sqm.	6007	5989	5987	5987	5999	5994	5989	5987	5999	5998	5998	6021	5996	5996	6001
	d) Plain White																
	i) 18 mm thick Italian Marble stone slab	Sqm.	7068	7050	7048	7048	7060	7055	7050	7048	7060	7058	7058	7082	7057	7057	7062
	ii) 20 mm thick Italian Marble stone slab	Sqm.	7421	7404	7401	7401	7413	7408	7404	7401	7413	7412	7412	7436	7411	7411	7415

**SECTION 1. ----- BUILDING WORKS**

**(D) Flooring**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurdwar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
	<b>e) White with veins</b>																	
	i) 18 mm thick Italian Marble stone slab	Sqm.	5653	5636	5633	5633	5645	5640	5636	5633	5645	5644	5644	5667	5643	5643	5647	
	ii) 20 mm thick Italian Marble stone slab	Sqm.	6007	5989	5987	5987	5999	5994	5989	5987	5999	5998	5998	6021	5996	5996	6001	
	<b>f) More White with less veins</b>																	
	i) 18 mm thick Italian Marble stone slab	Sqm.	8481	8463	8461	8461	8473	8468	8463	8461	8473	8471	8471	8495	8470	8470	8475	
	ii) 20 mm thick Italian Marble stone slab	Sqm.	8834	8817	8814	8814	8826	8821	8817	8814	8826	8825	8825	8849	8824	8824	8829	
28	Extra cost of labour for prefinished and premoulded window sill of Italian Marble Stone.	Mtr.	261	261	261	261	261	261	261	261	261	261	261	261	261	261	261	
29	Providing and fixing machine cut, mirror polished, Italian Marble stone (Imported quality, such as Perlato, Bottichino, Crema, Antique Beige, Dark Emperadore, Red Verona, Black Marquino etc.) in <b>dado/wall</b> laid in required pattern in linear portion of the building all complete as per architectural drawings with Italian Marble stone slab laid over 15 mm (average) thick base of cement mortar 1 : 2 (1 cement : 2 coarse sand) including making suitable arrangements to hold the stones properly by brass / copper hooks applying white cement slurry @ 4.4 kg/sq.m the back site of marble and pointing with cement mortar (1:2)(1 Cement : 2 Marble dust) admixed with pigment to match the marble shade including rubbing, curing and polishing etc. all complete as specified and as directed by the Engineer-in-Charge including cost of materials, labours, scaffolding, staging, curing complete. [White cement, Pigment to be supplied by the Agency]. <b>[This work should not be executed without specific permission of Superintending Engineer]</b>																	
	<b>a) Light Beige Colour (such as Perlato, Bottichino, Crema)</b>																	
	i) 18 mm thick Italian Marble stone slab	Sqm.	5485	5474	5472	5472	5565	5476	5475	5472	5479	5479	5479	5492	5478	5478	5482	

**SECTION 1. ----- BUILDING WORKS**

**(D) Flooring**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurdwar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
	ii) 20 mm thick Italian Marble stone slab	Sqm.	5136	5125	5124	5124	5132	5128	5126	5124	5130	5130	5130	5143	5130	5130	5133	
	<b>b) Dark Beige Colour (such as Antique Beige, Breccia)</b>																	
	i) 18 mm thick Italian Marble stone slab	Sqm.	4924	4913	4912	4912	4920	4915	4914	4912	4918	4918	4918	4931	4917	4917	4921	
	ii) 20 mm thick Italian Marble stone slab	Sqm.	5490	5479	5477	5477	5485	5481	5480	5477	5483	5483	5484	5496	5483	5483	5486	
	<b>c) Dark Colour (such as Dark Emperadore, Red Verona, Black)</b>																	
	i) 18 mm thick Italian Marble stone slab	Sqm.	5843	5832	5830	5830	5839	5834	5833	5830	5837	5837	5837	5850	5836	5836	5840	
	ii) 20 mm thick Italian Marble stone slab	Sqm.	6197	6186	6184	6184	6192	6188	6187	6184	6190	6190	6191	6203	6190	6190	6193	
	<b>d) Plain White</b>																	
	i) 18 mm thick Italian Marble stone slab	Sqm.	7257	7246	7244	7244	7252	7248	7247	7244	7251	7251	7251	7263	7250	7250	7254	
	ii) 20 mm thick Italian Marble stone slab	Sqm.	7610	7599	7598	7598	7606	7602	7600	7598	7604	7604	7605	7617	7604	7604	7607	
	<b>e) White with veins</b>																	
	i) 18 mm thick Italian Marble stone slab	Sqm.	5843	5832	5830	5830	5839	5834	5833	5830	5837	5837	5837	5838	5836	5836	5840	
	ii) 20 mm thick Italian Marble stone slab	Sqm.	6197	6186	6184	6184	6192	6188	6187	6184	6190	6190	6191	6203	6190	6190	6193	
	<b>f) More White with less veins</b>																	
	i) 18 mm thick Italian Marble stone slab	Sqm.	8671	8660	8658	8658	8666	8662	8661	8658	8664	8664	8665	8677	8664	8664	8668	
	ii) 20 mm thick Italian Marble stone slab	Sqm.	9024	9013	9011	9011	9020	9015	9014	9011	9018	9018	9018	9031	9017	9017	9021	
30	Supplying fitting and fixing Italian Marble slab/Tile in skirting (upto 300 mm ht) over 15mm (avg) thick base of Cement mortar (1:2) laid with white cement slurry @ 4.4 kg/ Sq.m at back side of marble and jointed with white cement slurry @ 2.2 kg/ Sq.m with necessary pigments including grinding and Granite Polishing. [White cement and Pigment to be supplied by the Agency][This work should not be executed without specific permission of Superintending Engineer]																	



**SECTION 1. ----- BUILDING WORKS**

**(D) Flooring**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurdwar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
	<b>a) Light Beige Colour (such as Perlato, Bottichino, Crema)</b>																	
	i) 18 mm thick Italian Marble stone slab	Sqm.	5501	5490	5488	5488	5496	5492	5491	5488	5495	5495	5495	5508	5494	5494	5498	
	ii) 20 mm thick Italian Marble stone slab	Sqm.	5152	5141	5140	5140	5148	5143	5142	5140	5146	5146	5146	5159	5145	5145	5149	
	<b>b) Dark Beige Colour (such as Antique Beige, Breccia)</b>																	
	i) 18 mm thick Italian Marble stone slab	Sqm.	4940	4929	4927	4927	4936	4931	4930	4927	4934	4934	4934	4947	4933	4933	4937	
	ii) 20 mm thick Italian Marble stone slab	Sqm.	5506	5495	5493	5493	5501	5497	5496	5493	5499	5499	5500	5512	5499	5499	5503	
	<b>c) Dark Colour (such as Dark Emperadore, Red Verona, Black)</b>																	
	i) 18 mm thick Italian Marble stone slab	Sqm.	5859	5848	5847	5847	5855	5850	5849	5847	5853	5853	5853	5866	5852	5852	5856	
	ii) 20 mm thick Italian Marble stone slab	Sqm.	6212	6202	6200	6200	6208	6204	6203	6200	6206	6206	6207	6219	6206	6206	6209	
	<b>d) Plain White</b>																	
	i) 18 mm thick Italian Marble stone slab	Sqm.	7273	7262	7260	7260	7268	7264	7263	7260	7266	7266	7267	7279	7266	7266	7270	
	ii) 20 mm thick Italian Marble stone slab	Sqm.	7626	7616	7614	7614	7622	7618	7616	7614	7620	7620	7620	7633	7620	7620	7623	
	<b>e) White with veins</b>																	
	i) 18 mm thick Italian Marble stone slab	Sqm.	5859	5848	5847	5847	5855	5850	5849	5847	5853	5853	5853	5866	5852	5852	5856	
	ii) 20 mm thick Italian Marble stone slab	Sqm.	6212	6202	6200	6200	6208	6204	6203	6200	6206	6206	6207	6219	6206	6206	6209	
	<b>f) More White with less veins</b>																	
	i) 18 mm thick Italian Marble stone slab	Sqm.	8687	8676	8674	8674	8682	8678	8677	8674	8680	8680	8681	8693	8680	8680	8684	
	ii) 20 mm thick Italian Marble stone slab	Sqm.	9040	9029	9027	9027	9036	9031	9030	9027	9034	9034	9034	9047	9033	9033	9037	
	Note: Add extra for each addl. floor over the rate for item 27 to 30 of subhead A. (I) upto 4 th floor- Rs. 12/-per Sq.m (II) above 4th floor -Rs. 16/- per Sq.m																	

**SECTION 1. ----- BUILDING WORKS**

**(D) Flooring**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurdwar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
31	Supplying, fitting & fixing granite tiles 10mm to 12mm. thick in columns, wall, fascia etc. with 15 thick [avg] cement mortar (1:2) including making suitable arrangements to hold the stones properly by brass / copper hooks including pointing in cement mortar (1:2) (1 white cement : 2 marble dust) with admixture of pigment matching the stone shades all complete as per direction of the Engineer-in-charge including cost of all materials, labours, scaffolding, staging ,curing and roughening of concrete surface complete. [Using cement slurry at back side of tiles@ 4.4 kg/sq.m & white cement slurry for joint filling @ 1.8 kg/sq.m]																	
	Area of each slab upto 0.2 Sq.m	Sq. M	1755	1745	1743	1743	1751	1747	1746	1743	1749	1753	1754	1785	1753	1753	1757	
32	Supplying, fitting & fixing granite slabs 15mm to 18 mm. thick with uniform texture & without decorative veins in columns, wall, fascia etc. with 15 mm thick [avg] cement mortar (1:2) including making suitable arrangements to hold the stones properly by brass / copper hooks including pointing in cement mortar (1:2) (1 white cement : 2 marble dust) with admixture of pigment matching the stone shades all complete as per direction of the Engineer-in-charge including cost of all materials, labours, scaffolding, staging ,curing and roughening of concrete surface complete. Area of each Granite slab > 0.6 upto 1.0 square metre. [Using cement slurry at back side of granite @ 4.4 kg/sq.m & white cement slurry for joint filling @ 1.8 kg/sq.m]	Sq. M	2317	2306	2304	2304	2312	2308	2307	2304	2310	2310	2311	2388	2310	2311	2314	

**SECTION 1. ----- BUILDING WORKS**

**(D) Flooring**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurdwar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
33	Supplying, fitting & fixing granite slabs 15mm to 18 mm. thick with uniform texture & without decorative veins in columns, wall, facia, rise etc. with 15 mm thick [avg] cement mortar (1:2) including making suitable arrangements to hold the stones properly by brass / copper hooks including pointing in cement mortar (1:2) (1 white cement : 2 marble dust) with admixture of pigment matching the stone shades all complete as per direction of the Engineer-in-charge including cost of all materials, labours, scaffolding, staging, curing and roughening of concrete surface complete. [Using cement slurry at back side of granite @ 4.4 kg/sq.m & white cement slurry for joint filling @ 1.8 kg/sq.m] In ground floor																	
	(a) Area of each Granite slab 0.6 to 1.0 Square meter.	Sq.M.	2929	3323	3321	3321	3329	3325	3324	3321	3327	3327	3328	3683	3562	3562	3566	
	(b) Area of each Granite slab above 1.00 Square meter.	Sq.M.	3176	3614	3613	3613	3621	3616	3615	3613	3619	3619	3620	3742	3619	3619	3623	
34	Supplying, fitting & fixing granite slab 15mm to 18mm thick in floor, lobby, stair, landing and treads etc. over 20mm (avg) thick base of cement mortar (1:2) laid with white cement slurry @ 4.40Kg per Square meter before placing of granite and jointed with white cement slurry @ 2.0 Kg per square meter with necessary pigments and complete as per direction of Engineer-in-charge including cost of all materials, labours, curing and roughening of concrete surface complete. In ground floor																	
	(a) Area of each Granite slab upto 0.60 Square meter.	Sq.M.	2173	2415	2413	2413	2423	2418	2416	2413	2421	2421	2421	2508	2420	2420	2425	
	(b) Area of each Granite slab 0.6 to 1.0 Square meter.	Sq.M.	2766	3156	3154	3154	3164	3159	3157	3154	3162	3162	3162	3526	3396	3396	3400	
	(c) Area of each Granite slab above 1.00 Square meter.	Sq.M.	3013	3448	3445	3445	3456	3450	3449	3445	3453	3453	3454	3585	3453	3453	3457	
	Add extra for each addl. floor over the rate for item A(33, 34) I) upto 4 th floor- Rs. 12/-per Sq.m II) above 4th floor -Rs. 16/- per Sq.m																	

**SECTION 1. ----- BUILDING WORKS**

**(D) Flooring**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri,Alipurdwar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
35	Supplying, fitting & fixing 1st quality Ceramic tiles in walls and floors to match with the existing work & 4 nos. of key stones (10mm) fixed with araldite at the back of each tile & finishing the joints with white cement mixed with colouring oxide if required to match the colour of tiles including roughening of concrete surface, if necessary or by synthetic adhesive & grout materials etc.																	
	(A) Floor																	
	With Sand Cement Mortar (1:4) 20 mm thick & 2 mm thick cement slurry at back side of tiles using cement @ 2.91 Kg/Sq.m & joint filling using white cement slurry @ 0.20kg/Sq.m.																	
	(a) Area of each tile upto 0.09 Sq.m																	
	(i) Coloured decorative	Sq. M	746	729	726	726	739	732	731	726	736	736	736	766	734	734	740	
	(ii) Other than Coloured decorative including white	Sq. M	704	688	686	686	698	692	690	686	695	695	695	783	694	694	699	
	(b) Area of each tile above 0.09 Sq.m																	
	(i) Coloured decorative	Sq. M	910	894	891	891	903	897	895	891	900	901	900	930	899	899	904	
	(ii) Other than Coloured decorative including white	Sq. M	858	842	839	839	851	845	843	839	848	849	848	878	847	847	852	
	(B) Wall																	
	With Sand Cement Mortar (1:3) 15 mm thick & 2 mm thick cement slurry at back side of tiles using cement @ 2.91 Kg/Sq.m & joint filling using white cement slurry @ 0.20kg/Sq.m.																	
	(a) Area of each tile upto 0.09 Sq.m																	
	(i) Coloured decorative	Sq. M	749	737	735	735	744	739	738	735	742	742	743	840	741	741	745	
	(ii) Other than Coloured decorative including white	Sq. M	708	695	693	693	702	697	696	693	700	700	700	789	699	699	703	
	(b) Area of each tile above 0.09 Sq.m																	
	(i) Coloured decorative	Sq. M	1102	1091	1089	1089	1098	1093	1092	1089	1096	1096	1096	1255	1095	1095	1099	
	(ii) Other than Coloured decorative including white	Sq. M	1040	1028	1026	1026	1035	1031	1029	1026	1033	1034	1034	1182	1033	1033	1037	
	(C) Floor																	

**SECTION 1. ----- BUILDING WORKS**

**(D) Flooring**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurdwar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
	With Polymerised Adhesive and Epoxy grout pointing including spacer- 2 mm ( When Tiles are laid over existing hard ready surface)																	
	(a) Area of each tile upto 0.09 Sq.m [using adhesive 3 mm thick]																	
	(i) Coloured decorative	Sq. M	778	779	779	779	779	779	779	779	779	779	779	796	779	779	779	
	(ii) Other than Coloured decorative including white	Sq. M	736	738	738	738	738	738	738	738	738	738	738	813	738	738	738	
	(b) Area of each tile above 0.09 Sq.m [using adhesive 4.5 mm thick]																	
	(i) Coloured decorative	Sq. M	935	937	937	937	937	937	937	937	937	937	937	953	937	937	937	
	(ii) Other than Coloured decorative including white	Sq. M	882	885	885	885	885	885	885	885	885	885	885	901	885	885	885	
	<b>(D) Wall</b>																	
	With Polymerised Adhesive and Epoxy grout pointing including spacer- 2 mm ( When Tiles are laid over existing hard ready surface)																	
	(a) Area of each tile upto 0.09 Sq.m [using adhesive 3 mm thick]																	
	(i) Coloured decorative	Sq. M	799	800	800	800	800	800	800	800	800	800	800	889	800	800	800	
	(ii) Other than Coloured decorative including white	Sq. M	757	758	758	758	758	758	758	758	758	758	758	838	758	758	758	
	(b) Area of each tile above 0.09 Sq.m [using adhesive 4.5 mm thick]																	
	(i) Coloured decorative	Sq. M	1144	1147	1147	1147	1147	1147	1147	1147	1147	1147	1147	1297	1147	1147	1147	
	(ii) other than Coloured decorative including white	Sq. M	1081	1084	1084	1084	1084	1084	1084	1084	1084	1084	1084	1223	1084	1084	1084	
	Note:- 1. If Cement grout is used in place of epoxy grout then deduct Rs 115/ Sq.m for item 35 (C) [a] & 35 (D) [a] and Rs 87/ Sq.m for item 35 (C) [b] & 35 (D) [b] of subhead A																	
	2. Add extra for each addl. floor over the rate for item 35 & 36 of subhead A.																	
	(i) upto 4 th floor-Rs 5/ Sq.m																	
	(i) above 4 th floor-Rs 6.25/ Sq.m																	

**SECTION 1. ----- BUILDING WORKS**

**(D) Flooring**

Item No.	Description of Items	Unit	Rate (Rs.)														REMARKS	
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri,Alipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS		Uttar/ Dakshin Dinajpur Dist.
36	Supplying and laying true to line and level vitrified tiles of approved brand (size not less than 600 mm X 600 mm X 10 mm thick) in floor, skirting etc. set in 20 mm sand cement mortar (1:4) and 2 mm thick cement slurry back side of tiles using cement @ 2.91Kg./sqM or using polymerised adhesive (6 mm thick layer applied directly over finished artificial stone floor/Mosaic etc without any backing course) laid after application slurry using 1.75 Kg of cement per sqM below mortar only, joints grouted with admixture of white cement and colouring pigment to match with colour of tiles / epoxy grout materials of approved make as directed and removal of wax coating of top surface of tiles with warm water and polishing the tiles using soft and dry cloth upto mirror finish complete including the cost of materials, labour and all other incidental charges complete true to the manufacturer's specification and direction of Engineer-in-Charge. (White cement, synthetic adhesive and grout material to be supplied by the contrr[e]) I																	
	(I) With application slurry @1.75 kg/ Sq.m, 20 mm sand cement mortar (1:4) & 2 mm thick cement slurry at back side of tiles, 0.2 kg/ Sq.m white cement for joint filling with pigment.																	
	(A) Deep Colour & White	Sq. M	1695	1679	1676	1676	1688	1682	1680	1676	1685	1685	1685	1704	1684	1684	1689	
	(B) Light Colour	Sq. M	1276	1259	1257	1257	1269	1263	1261	1257	1266	1266	1266	1285	1264	1264	1270	
	(II) With Polymerised Adhesive [6 mm thick] & epoxy grouting materials for filling joints including spacer-2 mm [Applied directly over finished artificial stone floor/ mosaic etc.]																	
	(A) Deep Colour & White	Sq. M	1785	1789	1789	1789	1789	1789	1789	1789	1789	1789	1789	1795	1789	1789	1789	
	(B) Light Colour	Sq. M	1366	1369	1369	1369	1369	1369	1369	1369	1369	1369	1369	1375	1369	1369	1369	
37	75 mm glazed ceramic tiled border (listel type)																	

**SECTION 1. ----- BUILDING WORKS**

**(D) Flooring**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
	a) with 15 mm thick cement mortar (1:3) and 2 mm thick cement slurry using cement @ 2.91 Kg/Sq.m	m	177	176	176	176	176	176	176	176	176	176	176	188	176	176	176	
	b) Polymerised adhesive and epoxy grout jointing	m	187	187	187	187	187	187	187	187	187	187	187	198	187	187	177	
38	Supplying, fitting & fixing Glass mosaic tiles at finished plain wall surface of size 20 mm x 20 mm x 4 mm in all colour, design, fixing in customize design as per direction of Engineer-in- Charge. The glass mosaic tiles to be fixed on the wall surface with the help of approved adhesive applied at the rate of 2.5 kg per sqm and grouting of the same. The rate is inclusive of all operation, material and required pattern approved by Engineer-in-Charge. <b>[At Ground Floor]</b>																	
	i) Plain Type/ Random Mix	Sqm.	1302	1302	1302	1302	1302	1302	1302	1302	1302	1302	1302	1302	1302	1302	1302	
	ii) Gradation/ Progression Type	Sqm.	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100	
	iii) Mural aligned/ CAD Design Type	Sqm.	3614	3614	3614	3614	3614	3614	3614	3614	3614	3614	3614	3614	3614	3614	3614	
	iv) Repeated pattern/ Border Aligned Type	Sqm.	2284	2284	2284	2284	2284	2284	2284	2284	2284	2284	2284	2284	2284	2284	2284	
	Extra for each additional floor over the rate for ground floor for external surface																	
	a) upto 4th floor	sqm	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	
	Extra for each additional floor over the rate for ground floor for external surface																	
	b) above 4th floor	sqm	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	

**SECTION 1. ----- BUILDING WORKS**

**(D) Flooring**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri,Alipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
39	Supplying, fitting & fixing best quality digital printed Ceramic tiles in coloured decorative on walls and floors to match with the existing work & 4 nos. key stones (10mm) fixed with adhesive 4.5 mm thick at the back of each tile & finishing the joints with white cement mixed with colouring oxide if required to match the colour of tiles including roughening of concrete surface, if necessary or by synthetic adhesive & grout materials etc. With polymerised adhesive and epoxy grout pointing including spacer - 2mm (When tiles are laid over existing hard ready surface) all complete as per direction of Engineer-in-charge.	Sqm.	1060	1060	1060	1060	1060	1060	1060	1060	1060	1060	1060	1060	1060	1060		
	Note: Add extra for each addl, floor over the rate for item 39 of subhead A (I) upto 4 th floor- Rs. 12/-per Sq.m (II) above 4th floor -Rs. 16/- per Sq.m																	
40	Supplying, fitting & fixing true to line and level digital elevation Ceramic tiles of approved brand conforming to IS:15622:2006 Group B III and tested as per IS:13630:2006 as ornamental cladding on external wall in natural stone, brick, wood, bamboo pattern/ design fixed with adhesive 4.5 mm thick at the back of each tile & finishing the joints with white cement mixed with colouring oxide if required to match the colour of tiles including roughening of concrete surface, if necessary or by synthetic adhesive & grout materials etc. With polymerised adhesive and epoxy grout pointing including spacer - 2mm (When tiles are laid over existing hard ready surface) all complete as per direction of Engineer-in-charge.	sqm.	982	982	982	982	982	982	982	982	982	982	982	982	982	982		



**SECTION 1. ----- BUILDING WORKS**

**(D) Flooring**

Item No.	Description of Items	Unit	Rate (Rs.)														REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri,Alipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	
	Add extra for each addl, floor over the rate for Ground Flooor (I) upto 4 th floor- Rs. 16/-per Sq.m II) above 4th floor -Rs. 21/- per Sq.m																
41	Supplying and laying true to line and level Double Charge Vitrified Tiles of approved brand conforming to IS 15622: 2006 (Group B I a) and tested as per IS 13630:2006 (relevant parts) [Non-modular sizes for tiles with Water Absorption (av.) ≤ 0.08 %] in floor, skirting etc. using polymerised adhesive of 6mm thick layer applied directly over finished artificial stone floor/Mosaic etc without any backing course and joints grouted with admixture of white epoxy grout materials of approved brand including spacer -2mm as directed and removal of wax coating of top surface of tiles with warm water and polishing the tiles using soft and dry cloth upto mirror finish complete including the cost of materials,labour and all other incidental charges complete as per direction of Engineer-in-Charge. (Note: This work should not be executed without specific permission of Superintending Engineer)																
	(a) In Ground Floor:(size not less than 600mmX 600 mm X 9.5 mm thick)	sqm.	1566	1566	1566	1566	1566	1566	1566	1566	1566	1566	1566	1566	1566	1566	1566
	(b) In Ground Floor:(size not less than 800mmX 800 mm X 10.2 mm thick)	sqm.	2613	2613	2613	2613	2613	2613	2613	2613	2613	2613	2613	2613	2613	2613	2613
	Add extra for each addl, floor over the rate for Ground Floor (I) upto 4 th floor- Rs. 12/-per Sq.m II) above 4th floor -Rs. 16/- per Sq.m																

**SECTION 1. ----- BUILDING WORKS**

**(D) Flooring**

Item No.	Description of Items	Unit	Rate (Rs.)														REMARKS	
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri,Alipurdwar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS		Uttar/ Dakshin Dinajpur Dist.
42	Supplying and laying true to line and level Double Charge Vitrified Tiles of approved brandconforming to IS 15622: 2006 (Group B I a) and tested as per IS 13630:2006 (relevant parts) [Non-modular sizes for tiles with Water Absorption (av.) ≤ 0.08 %) in floor, skirting etc. set in 20 mm thick sand cement mortar (1:4) bed prepared after application of slurry using 1.75Kg of cement per Sqm over the base and 2mm thick cement slurry using cement @2.91Kg./sqm at the back side of the tiles and laid over the mortar bed using 0.2 kg/sqm of White cement used for joint filling with approved pigment as directed and removal of wax coating of top surface of tiles with warm water and polishing the tiles using soft and dry cloth upto mirror finish complete including the cost of materials,labour and all other incidental charges complete true to the manufacturer's specification and direction of Engineer-in-Charge. (Note: This work should not be executed without specific permission of Superintending Engineer)																	
	(a) In Ground Floor:(size not less than 600mmX 600 mm X 9.5 mm thick)	sqm.	1484	1468	1465	1465	1477	1471	1469	1466	1476	1475	1475	1493	1473	1473	1479	
	(b) In Ground Floor:(size not less than 800mmX 800 mm X 10.2 mm thick)	sqm.	2532	2911	2908	2513	2525	2519	2517	2908	2918	2918	2522	2541	2521	2521	2527	
	Add extra for each addl. floor over the rate for Ground Floor (I) upto 4 th floor- Rs. 12/-per Sq.m II) above 4th floor -Rs. 16/- per Sq.m																	

**SECTION 1. ----- BUILDING WORKS**

**(D) Flooring**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurdwar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
43	Supplying, fitting and fixing 8mm thick Laminated wooden Flooring Work conforming to EN13329:2006 with plank size not less than 1200 mm X 190 mm (with unilin/tongue-groove locking arrangement) having 0.2mm thk top abrasive layer over a decorative layer followed by a High-density fibreboard (HDF) having density > 850 kg/m <sup>3</sup> substrate core over a resin saturated backing layer and installing through unilin or tongue- groove system (having locking strength not less than 1000 kg/m) over a 2 mm thk underlayer polyurethane foam on polythene sheet 250 micron, over a smooth, flat, hard subfloor free from moisture (< 8%), grease etc. complete in all respect with requisite accessories like end profile, transition profile, reducer 'T' profile etc. wherever required and preparation of base including all other incidental works as per direction & satisfaction of Engineer in charge. Cost of Laminate Floor Accessories only (Skirting, End edge, T- moulding, Reducer) shall have to be added separately, wherever required. <b>(This work should not be executed without specific permission of Superintending Engineer).</b>																	
	In Ground Floor :Category: Normal Footfall; Class-23;Abrasion resistance:-AC3 Thk on Swelling:- < 18% ;Impact resistance:- IC 1	Sqm.	1116	1116	1116	1116	1116	1116	1116	1116	1116	1116	1116	1116	1116	1116	1116	
	Add extra for each addl, floor over the rate for Ground Floor (I) upto 4 th floor- Rs. 12/-per Sq.m II) above 4th floor -Rs. 16/- per Sq.m																	

**SECTION 1. ----- BUILDING WORKS**

**(D) Flooring**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri,Alipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
44	Supplying, fitting and fixing 8mm thick Laminated wooden Flooring Work conforming to EN13329:2006 with plank size not less than 1200mmX 190 mm (with unilin/tongue-groove locking arrangement) having 0.2mm thk top abrasive layer over a decorative layer followed by a High-density fibreboard (HDF) having density > 940 kg/m <sup>3</sup> substrate core over a resin saturated backing layer and installing through unilin or tongue- groove system (having locking strength not less than 1000 kg/m) over a 2 mm thk underlayer polyurethane foam on polythene sheet 250 micron, over a smooth, flat, hard subfloor free from moisture (< 8%), grease etc. complete in all respect with requisite accessories like end profile, transition profile, reducer 'T' profile etc. wherever required and preparation of base including all other incidental works as per direction & satisfaction of Engineer in charge. Cost of Laminate Floor Accessories only (Skirting,End edge, T- moulding,Reducer )shall have to be added separately, wherever required. (Note: This work should not be executed without specific permission of Superintending Engineer).																	
	In Ground Floor: Category: High Footfall ; Class-23;Abrasion resistance:-AC4 Thk on Swelling:- < 15% ;Impact resistance:- IC 2	Sqm.	1275	1275	1275	1275	1275	1275	1275	1275	1275	1275	1275	1275	1275	1275	1275	
	Add extra for each addl, floor over the rate for Ground Floor (I) upto 4 th floor- Rs. 12/-per Sq.m II) above 4th floor -Rs. 16/- per Sq.m																	

**SECTION 1. ----- BUILDING WORKS**

**(D) Flooring**

Item No.	Description of Items	Unit	Rate (Rs.)														REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri,Alipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	
45	Supplying Laminate Floor Accessories (Skirting, End edge, T-moulding,Reducer ) to 8mm thick Laminated wooden Flooring Work conforming to EN13329:2006 with plank size not less than 1200mmX 190 mm (with unilin/tongue-groove locking arrangement) having 0.2mm thk top abrasive layer over a decorative layer followed by a High-density fibreboard (HDF) having density > 840 kg/m3 substrate core over a rasin saturated backing layer and installing through unilin or tongue- groove system (having locking strength not less than 1000 kg/m) over a 2 mm thk underlayer polyurethane foam on polythene sheet 250 micron, over a smooth, flat, hard subfloor free from moisture (< 8%), grease etc. complete in all respect as per direction & satisfaction of Engineer in charge. Cost of labour charge for fitting & fixing of Laminate Floor Accessories only (Skirting,End edge, T- moulding,Reducer )shall have to be added separately, wherever required. (Note: This work should not be executed without specific permission of Superintending Engineer).																
	In Ground Floor: Catagory: Normal/High Footfall	Mtr.	301	301	301	301	301	301	301	301	301	301	301	301	301	301	301
	Add extra for each addl, floor over the rate for Ground Floor (I) upto 4 th floor- Rs. 12/-per Sq.m II) above 4th floor -Rs. 16/- per Sq.m																

**SECTION 1. ----- BUILDING WORKS**

**(D) Flooring**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri,Alipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
46	Supplying and laying chequered tiles of any shade & of approved quality with (1:1½:3) cement concrete laid in panels or patterns as directed in pavement, footpath etc. including necessary underlay 25 mm thick [avg] cement mortar (1:3) complete in all respect with all labour and materials. [Using cement slurry @ 4.4 kg/Sq.m at back side and @2.4 kg/Sq.m for joint filling]																	
	Red Variety																	
	(i) 25 mm. thick	Sq. M	471	455	453	453	464	459	455	453	464	462	464	508	463	463	467	
	(ii) 30 mm. thick	Sq. M	502	486	484	484	495	490	486	484	495	493	495	538	494	494	498	
47	Supplying& laying 20 mm designer chequered tiles of any shade and of approved quality as per IS: 1237: 1980 laid in patterns as directed in pavement, footpath including necessary underlay 25 mm thick average cement mortar (1:3) complete in all respect with all labour and materials [using cement slurry @ 4.4 kg/Sq.m at back side of tiles. Cement of mortar & slurry will be supplied by the Department. Border concrete if necessary to be paid separately].	Sq. M	828	811	810	810	820	816	811	810	820	819	820	852	819	819	823	
48	Supplying & laying as per IRC-SP:063-2004 paver unit of any shade of approved quality as per relevant IS code, laid in pattern as directed in pavement, footpath, driveway (paver block only), etc including necessary underlay complete in all respect with all labour and material. [Border concrete if necessary to be paid separately]. Note: Sub-grade CBR should not be less than 5.																	

**SECTION 1. ----- BUILDING WORKS**

**(D) Flooring**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurdwar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
	a) 25 mm thick Tiles as per IS: 1237-2012 for footpath,ramp,staircase of public building(over 25 mm thick (Avg) Cement mortar (1:3) & Cement Slurry @ 4.4 kg/Sq.m at back side of Block. Cement for Mortar & Slurry to be supplied by Department).																	
	(i) Grey	Sq. M	849	833	831	831	842	837	833	831	842	840	842	874	841	837	842	
	(ii) Coloured Decorative	Sq. M	881	864	863	863	873	869	864	863	873	872	874	905	873	873	877	
	(b) 50 mm thick interlocking designer concrete paver block M-30 grade for non-traffic zone,buiding premises,garden,parks,domestic drive as per IS: 15658-2006(over 20-30 mm medium sand bed on 200mm thk bound gnauar /granular base course including cost of sand for sand bed but excluding cost of base course & subgrade preparation.)																	
	(i) Grey	Sq. M	1132	901	879	879	1027	964	901	879	1027	1006	985	1290	964	964	1027	
	(ii) Coloured Decorative	Sq. M	1228	997	976	976	1123	1060	997	976	1123	1102	1081	1386	1060	1060	1123	
	(c) 60 mm thick interlocking designer concrete paver block M-35 grade for light-traffic zone,commercial & office complex,tourist resort as per IS: 15658-2006 (over 20-40 mm medium sand bed on 250mm thk WBM/ WMM base course & 250 mm thk bound gnauar /granular sub-base course including cost of sand for sand bed but excluding cost of base ,sub-base course & subgrade preparation.)																	
	(i) Grey	Sq. M	1378	1146	1125	1125	1273	1210	1146	1125	1273	1252	1231	1536	1210	1210	1273	
	(ii) Coloured Decorative	Sq. M	1506	1274	1253	1253	1401	1338	1274	1253	1401	1380	1359	1664	1338	1338	1401	
	<b><u>B. REPAIR AND REHABILITATION</u></b>																	

**SECTION 1. ----- BUILDING WORKS**

**(D) Flooring**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri,Alipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
1	A) Supplying & laying of approved brand of scratch proof, semi flexible P.V.C. blended homogeneous marble Vinyle flooring in tiles conforming to IS:3461, fixing with synthetic acrylic adhesive after preparing the floor, levelling & smothaning when necessary with suitable putty, as per the design & instruction of the Engineer-in-charge.																	
	2 mm thick	Sq. M	578	578	578	578	578	578	578	578	578	578	578	590	578	578	578	
	B) Supplying & laying of approved make and brand of scratch proof, flexible & homogeneous P.V.C. Vinyle flooring conforming to IS:3462 - 1982 in required finish, fixed with synthetic acrylic adhesive after preparing the floor, levelling & smothaning when necessary with suitable putty, as per the design & instruction of the Engineer-in-charge.																	
	(i) 2 mm thick (Plain)	Sq.M	510	510	510	510	510	510	510	510	510	510	510	516	510	510	510	
	(ii) 1.5 mm thick (with stud / checkered)	Sq.M	488	488	488	488	488	488	488	488	488	488	488	494	488	488	488	
2	Renewing burnt clay tiles of tiled flooring to match with existing work set in cement mortar (1 : 4) complete.	Sq. M	171	168	168	168	170	169	168	168	170	169	169	173	169	169	170	
3	Labour for setting tiles in floor / pavement in cement mortar (1 : 4) joints finished with white cement.	Sq.M	100	98	98	98	99	99	98	98	99	99	99	102	99	99	99	
4	Repairing cracks in floor with cement mortar (1:2) with necessary pigment to match with existing works, including prior cutting and cleaning the cracks as directed.	% M	688	682	681	681	685	683	682	681	685	684	685	692	684	684	686	
5	Filling rat-holes with broken glass and cement concrete (1:3:6) with jhama chips including shaping holes and mending damages.	each	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	
6	Washing and cleaning with oxalic acid powder using 33 gms./sq.m.																	
	(a) Marble floor/ marble dado	% Sq.	696	697	697	697	697	697	697	697	697	697	697	713	697	697	697	
	(b) Floor/ dado other than marble	% Sq.	552	553	553	553	553	553	553	553	553	553	553	569	553	553	553	



**SECTION 1. ----- BUILDING WORKS**

**(D) Flooring**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurdwar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
7	Polishing only of old marble or terrazo work with oxalic acid powder using 33 gms/ sq.m. by manual labour / machine where necessary.	Sq. M	38	38	38	38	38	38	38	38	38	38	38	39	38	38	38	
8	Resetting old Mirzapur stone slabs in 20 mm thick [avg] cement mortar (1:4) bed including dismantling old mortar etc.	Sq.M	168	152	149	149	162	155	153	149	159	159	159	178	158	158	163	
9	Taking out Mirzapur or glazed porcelain tiles carefully by chiselling from walls or floor including stacking serviceable material as directed.	Sq.M	106	106	106	106	106	106	106	106	106	106	106	106	106	106	106	
10	Resetting old glazed porcelain tiles in 20 mm thick cement mortar (1:4) including 4 Nos of key stone (10 mm) fixed with adhesive of approved quality & 2 mm thick cement slurry using cement @ 2.91 kg/Sq.m at the back of tiles and finishing joints with white cement & colouring oxide [if required] to match the colour of tiles over application slurry @ 1.75 kg/ Sq.m below cement mortar including dismantling the old mortar etc.	Sq.M	395	379	376	376	388	382	380	376	385	385	385	404	384	384	389	
11	Labour for setting Kota / Dungri stone slabs in cement mortar (1:2) including necessary underlay of mortar (1:2).	Sq.M	209	200	199	199	205	202	200	199	205	204	205	218	204	204	207	
12	Washing and cleaning with soap water and rubbing with oil cloth in all types of floor and dado.	Sq.M	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	

**SECTION 1. -----BUILDING WORKS**  
**(E) ROOFING, SHEET WALLING & WATERPROOF TREATMENT**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
	<b>A. ROOFING &amp; SHEETWALLING</b>																	
1	Lime terracing on roof with lime concrete(2:2:7) (2 lime putty / paste : 2 surki : 7 brick khoa ) laid to proper slope, thoroughly beaten and cured including top finishing, providing ghoondies at junction with parapet etc., shaping and finishing at mouths of rain water pipes, complete as per direction.																	
	(For item 1 add extra for each addl. floor over the rate @ 1.5% upto 4th floor and @ 1.75% above 4th floor.)																	
	Roof of one storied structure (Payment to be made on surface area of terracing including ghoondies.)																	
	(a) 75 mm. thick (average)	Sq.M	544	509	492	492	544	524	528	496	510	509	512	653	514	513	513	
	(b) 100 mm. thick (average)	Sq.M	698	651	628	628	698	671	677	634	652	651	655	845	658	656	656	
	(c) 125 mm. thick (average)	Sq.M	817	758	730	730	817	783	790	737	759	757	763	1000	766	765	765	
	(d) 150 mm. thick (average)	Sq.M	973	902	869	869	973	933	941	877	904	902	908	1192	912	910	910	
	NOTE : 633 kg. of unslaked lime = 1 cu.m. of lime putty / paste.																	

**SECTION 1. -----BUILDING WORKS**  
**(E) ROOFING, SHEET WALLING & WATERPROOF TREATMENT**

Item No.	Description of Items	Unit	Rate (Rs.)														REMARKS	
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri,Alipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS		Uttar/ Dakshin Dinajpur Dist.
2	Supplying and laying true to line and level 20 mm / 25 mm. thick precast roof tiles made of cement conc. with stone chips as per approved strength and density set in 25mm avg. thick cement mortar(1:3) and filling up joint (3 mm wide) with cement sand mortar (1:1) applying cement slurry @ 1.75 kg per Sq.m back of tiles and then settting close the precast tiles, finishing up the joints with slurry already laid and finally finishing the top surface including providing 150 mm. high skirting with the same tiles flushed with the inside surface of parapet wall,finishing the mouth of rain water pipes, curving etc. as necessary complete as per direction of the Engineer-in-charge. (Levelling if necessary may be paid separately)																	
	(a) For 20 mm. thick precast tiles (cement 14.6 kg/ Sq.m for underlayer)	Sq.M	528	512	510	510	521	516	512	510	521	519	520	552	519	519	523	
	(b) For 25 mm. thick precast tiles (cement 14.6 kg/ Sq.m for underlayer)	Sq.M	568	552	550	550	560	556	552	550	560	559	560	592	559	559	563	
	(Add extra @ 1.5% for each additional floor upto 4th floor and @ 1.75% for each additional floor above 4th floor)																	
3	Roofing of Ranigunge pattern tiles 1st class quality (excluding supporting frame work) including tying eaves tiles with galvanised wire and pointing all joints with																	
	(a) Valamoid or similar bituminous paste as approved	Sq.M	226	214	190	238	226	226	226	226	190	165	165	-	-	-	-	
	(b) Cement mortar (1:3) (Cement 0.5Kg/Sq.m)	Sq.M	214	201	177	225	214	213	213	213	177	153	153	-	-	-	-	
4	Ridging of Ranigunge pattern tiled roof of 1st class quality fitted and fixed including the cost of setting and pointing with																	

**SECTION 1. -----BUILDING WORKS**  
**(E) ROOFING, SHEET WALLING & WATERPROOF TREATMENT**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
	(a) Valamoid or similar bituminous paste as approved	Metre	126	126	126	126	126	126	126	126	126	126	126	-	-	-	-	
	(b) Cement mortar (1:3) (Cement 0.2Kg/Mtr)	Metre	125	125	125	125	125	125	125	125	125	125	125	-	-	-	-	
5	Roofing of Ranigunge pattern tiles (with dismantled tiles of the Deptt.) excluding the cost of tile but including the cost of pointing all joints with																	
	(a) Valamoid or similar bituminous paste as approved	Sq.M	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	
	(b) Cement mortar (1:3) (Cement 0.5Kg/Sq.m)	Sq.M	56	55	55	55	55	55	55	55	55	55	55	56	55	55	55	
6	Ridging of Ranigunge pattern tiled roof (with dismantled ridge tiles of the Deptt.) excluding the cost of the ridge tiles but including the cost of fitting, fixing and of setting and pointing joints with																	
	(a) Valamoid or similar bituminous paste as approved	Metre	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	
	(b) Cement mortar (1:3) (Cement 0.2Kg/Mtr)	Metre	22	21	21	21	22	22	21	21	22	22	22	22	22	22	22	
7	Asbestos corrugated (Trafford or similar approved quality) sheet (6 mm thick) work (excluding the supporting framework) fitted and fixed with 9.5mm. dia. J or L hook-bolt and nuts, limpet and bitumen washers and putty with 150 mm end lap & one corrugation minimum side lap complete. (Payment should be made on area of finished work)																	
	(a) In Roof	Sq.M	471	471	471	471	471	471	471	471	471	471	471	488	471	471	471	
	(b) In Wall	Sq.M	461	461	461	461	461	461	461	461	461	461	461	478	461	461	461	
8	Asbestos ridging (with standard lap) fitted and fixed with necessary hook, bolts, nuts, washers, etc. complete.																	
	(a) Close fitting adjustable type	Metre	270	270	270	270	270	270	270	270	270	270	270	318	270	270	270	
	(b) Serrated adjustable type	Metre	225	225	225	225	225	225	225	225	225	225	225	265	225	225	225	

**SECTION 1. -----BUILDING WORKS**  
**(E) ROOFING, SHEET WALLING & WATERPROOF TREATMENT**

Item No.	Description of Items	Unit	Rate (Rs.)														REMARKS	
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri,Alipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS		Uttar/ Dakshin Dinajpur Dist.
9	Galvanised corrugated iron sheet work (excluding the supporting frame work) fitted and fixed with 10 mm. dia J or L hook-bolts, limpet and bitumen washers and putty complete with 150 mm. end lap and one corrugation minimum side lap. (Payment to be made on area of finished work)(GCI sheet to be supplied by contractor)																	
	(i) In Roof:-																	
	a) With 0.60 mm thick sheet	Sq.M	619	619	619	619	619	619	619	619	619	619	619	655	619	619	619	
	b) With 0.63 mm thick sheet	Sq.M	644	644	644	644	644	644	644	644	644	644	644	679	644	644	644	
	c) With 0.80 mm thick sheet	Sq.M	806	806	806	806	806	806	806	806	806	806	806	837	806	806	806	
	(ii) In wall:-																	
	a) With 0.60 mm thick sheet	Sq.M	605	605	605	605	605	605	605	605	605	605	605	640	605	605	605	
	b) With 0.63 mm thick sheet	Sq.M	630	630	630	630	630	630	630	630	630	630	630	665	630	630	630	
	c) With 0.80 mm thick sheet	Sq.M	791	791	791	791	791	791	791	791	791	791	791	822	791	791	791	
10	Galvanised iron sheet ridging fitted with necessary bolts, screws, washers etc complete.(225mm end lapping)																	
	(A) 300 mm lapping each way																	
	(a) With 0.60 mm sheet	Metre	366	366	366	366	366	366	366	366	366	366	366	385	366	366	366	
	(b) With 0.63 mm sheet	Metre	380	380	380	380	380	380	380	380	380	380	380	399	380	380	380	
	(c) With 0.80 mm sheet	Metre	449	449	449	449	449	449	449	449	449	449	449	467	449	449	449	
	(B) 450 mm lapping each way																	
	(a) With 0.60 mm sheet	Metre	469	469	469	469	469	469	469	469	469	469	469	490	469	469	469	
	(b) With 0.63 mm sheet	Metre	490	490	490	490	490	490	490	490	490	490	490	510	490	490	490	
	(c) With 0.80 mm sheet	Metre	593	593	593	593	593	593	593	593	593	593	593	614	593	593	593	

**SECTION 1. -----BUILDING WORKS**  
**(E) ROOFING, SHEET WALLING & WATERPROOF TREATMENT**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
11	Galvanised iron sheet eaves gutter fitted and fixed with necessary 50 mm X 6 mm M.S flat bar clamps bent to design, bolts, nuts, washers etc. complete. Eaves gutter made of 0.63 mm. sheets.(300mm End lapping)																	
	(a) 225 mm. wide gutter	Metre	342	342	342	342	342	342	342	342	342	342	342	349	342	342	342	
	(b) 300 mm. wide gutter	Metre	402	402	402	402	402	402	402	402	402	402	402	410	402	402	402	
12	Galvanised iron sheets valley gutter with perimeter not less than 750 mm with 225 mm lap each way fitted and fixed with necessary bolts, nuts, screws, etc.complete. Valley gutter made of 0.63 mm. thick sheets. (300mm End lapping)	Metre	543	543	543	543	543	543	543	543	543	543	543	552	543	543	543	
13	Galvanised plain sheet works (excluding supporting framework) fitted and fixed with 6 mm. dia J or L hook-bolts and nuts, sheet-bolts, limpet and bitumen washers and putty with 150 mm. end lap & 50 mm minimum side lap complete.																	
	(a) In roof: with 0.63 mm. sheets.	Sq.M	455	455	455	455	455	455	455	455	455	455	455	470	455	455	455	
	(b) In wall: with 0.63 mm. sheets.	Sq.M	438	438	438	438	438	438	438	438	438	438	438	453	438	438	438	
14	Supplying, fitting & fixing Zn-Al alloy (55% Al & 45% Zn) coating of 150 grams per sq. metre (followed by colour coated on both side) steel sheet work having minimum yield strength of 550 Mpa of trapizoidal profile of approved make (excluding the supporting frame work) fitted and fixed with 55 mm & 25 mm self tapping screw, EPDM Washer 16 mm dia & 3 mm th. washer etc. complete with 150 mm end lap and one corrugation minimum side lap. (Payment to be made on area of finished work).																	

**SECTION 1. -----BUILDING WORKS**  
**(E) ROOFING, SHEET WALLING & WATERPROOF TREATMENT**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurdwar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
	(i) In Roof:-																	
	a) With 0.5 mm thick sheet	Sq.M.	787	896	896	896	896	896	896	896	896	896	896	906	896	896	896	
15	Supplying, fitting & fixing circular corrugated Aluminium sheet (excluding the supporting frame work) of approved make & brand in alloy 3105 conforming to IS: 1254-1991 fitted and fixed with 55 mm & 25 mm Self tapping screw , EPDM Washer 16 mm dia & 3 mm th washer etc complete with 150 mm. end lap and one corrugation minimum side lap. (Payment to be made on area of finished work) (Aluminium sheet to be supplied by contractor).																	
	(i) In Roof:-																	
	a) With 0.65 mm thick sheet	Sq.M.	665	774	774	774	774	774	774	774	774	774	774	784	774	774	774	
	b) With 0.71 mm thick sheet	Sq.M.	706	823	823	823	823	823	823	823	823	823	823	823	833	823	823	
	c) With 0.91 mm thick sheet	Sq.M.	878	878	878	878	878	878	878	878	878	878	878	887	878	878	878	
16	Labour for curving C.I. or G.C.I. sheet for curved roof etc. (Payment to be made on area of finished works done with the curved sheets.)	Sq.M	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	
17	Supplying, fitting & fixing Industrial Troughed Aluminium sheet (excluding the supporting frame work) of approved make & brand in alloy 3105 conforming to IS: 1254-1991 fitted and fixed with 75 mm & 25 mm Self tapping screw , EPDM Washer 16 mm dia & 3 mm th washer etc complete with 150 mm. end lap and one corrugation minimum side lap. (Payment to be made on area of finished work) (Aluminium sheet to be supplied by contractor).																	

**SECTION 1. -----BUILDING WORKS**  
**(E) ROOFING, SHEET WALLING & WATERPROOF TREATMENT**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
	(i) In Roof:-																	
	a) With 0.65 mm thick sheet	Sq.M.	766	766	766	766	766	766	766	766	766	766	766	766	766	766	766	
	b) With 0.71 mm thick sheet	Sq.M.	821	821	821	821	821	821	821	821	821	821	821	821	821	821	821	
	c) With 0.91 mm thick sheet	Sq.M.	1010	1010	1010	1010	1010	1010	1010	1010	1010	1010	1010	1010	1010	1010	1010	
18	Aluminium sheet ridging fitted with self tapping screws, EPDM washers etc complete.(Minimum 225mm end lapping).																	
	(A) 300 mm lapping each way																	
	(a) With 0.71 mm sheet	Mtr.	394	394	394	394	394	394	394	394	394	394	394	394	394	394	394	
	(b) With 0.91 mm sheet	Mtr.	475	475	475	475	475	475	475	475	475	475	475	480	475	475	475	
19	Supplying, fitting and fixing glass reinforced polyester translucent fiber glass sheet to match with GCI Corrugation as per IS: 12866 - 1989 in roof fitted and fixed with 10 mm dia "J" or "L" hook, bolts and nuts, limpet and bitumen washers and putty with 150mm end lap and one corrugation minimum side lap complete.																	
	a) 1.6mm +/- 0.2 mm thick sheet.(2.6Kg/Sq.m)																	
	i) Natural white or tinted blue colour	Sq.M	718	718	718	718	718	718	718	718	718	718	718	793	743	780	718	
	ii) Fire retardant milky white	Sq.M	793	793	793	793	793	793	793	793	793	793	793	863	805	850	793	
	iii) Coloured other than natural white or tinted blue	Sq.M	768	768	768	768	768	768	768	768	768	768	768	853	790	840	768	
	iv) Special coloured textured tissue	Sq.M	835	835	835	835	835	835	835	835	835	835	835	923	873	910	835	
	b) 2.0mm +/- 0.2 mm thick sheet.(3.25Kg/Sq.m)																	
	i) Natural white or tinted blue colour	Sq.M	883	883	883	883	883	883	883	883	883	883	883	902	883	883	883	
	ii) Fire retardant milky white	Sq.M	959	959	959	959	959	959	959	959	959	959	959	977	959	959	959	
	iii) Coloured other than natural white or tinted blue	Sq.M	959	959	959	959	959	959	959	959	959	959	959	977	959	959	959	
	iv) Special coloured textured tissue	Sq.M	1043	1043	1043	1043	1043	1043	1043	1043	1043	1043	1043	1064	1043	1043	1043	



**SECTION 1. -----BUILDING WORKS**  
**(E) ROOFING, SHEET WALLING & WATERPROOF TREATMENT**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurdwar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
20	Supplying, fitting and fixing glass reinforced polyester translucent ridging 450 mm long each way as per IS 2866 - 1989 fitted and fixed with bolts J hooked screws and bitumen washers complete.																	
	<b>a) 1.6mm +/- 0.2 mm thick sheet.</b>																	
	i) Natural white or tinted blue colour	Metre	547	547	547	547	547	547	547	547	547	547	547	558	553	553	553	
	ii) Fire retardant milky white	Metre	609	609	609	609	609	609	609	609	609	609	609	620	615	615	615	
	iii) Coloured other than natural white or tinted blue	Metre	609	609	609	609	609	609	609	609	609	609	609	620	615	615	615	
	iv) Special coloured textured tissue	Metre	710	710	710	710	710	710	710	710	710	710	710	721	717	717	717	
	(Pro rata increase of rate may be allowed for arriving at rates of thickness in excess of 1.6mm and up to 2mm)																	
21	Supplying, fitting and fixing glass reinforced polyester translucent fiber sheet 300mm wide in half round gutter in roof as per IS: 12866 - 1989 fitted and fixed with 50 X 6mm MS Clamp with necessary bolts and nuts, screws and jointing material complete as per direction of Engineer - in - Charge.																	
	<b>a) 1.6mm +/- 0.2 mm thick sheet.</b>																	
	i) Natural white or tinted blue colour	Metre	783	783	783	783	783	783	783	783	783	783	783	873	783	783	783	
	ii) Fire retardant milky white	Metre	857	857	857	857	857	857	857	857	857	857	857	943	857	857	857	
	iii) Coloured other than natural white or tinted blue	Metre	832	832	832	832	832	832	832	832	832	832	832	933	832	832	832	
	iv) Special coloured textured tissue	Metre	900	900	900	900	900	900	900	900	900	900	900	1003	900	900	900	
	(Pro rata increase of rate may be allowed for arriving at rates of thickness in excess of 1.6mm and up to 2mm)																	

**SECTION 1. -----BUILDING WORKS**  
**(E) ROOFING, SHEET WALLING & WATERPROOF TREATMENT**

Item No.	Description of Items	Unit	Rate (Rs.)														REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	
22	Supplying, fitting & fixing polycarbonate sheet of approved make & brand conforming to IS: 14443-1997 and having 50 micron UV protection layer under co-extrusion technology, Fire rating being B-s1 as per EN13501-1 certification, fitted and fixed with 60mm wide aluminium channel section top and bottom member in dry-glaze sandwich system, (unit wt. of top and bottom members: 0.375 kg/m & 0.69 kg/m) of approved brand and profile, EPDM quality rubber gaskets, anti dust tape, end closer "C" channel and 75 mm long Self tapping screw being drilled through the centre leg of the bottom section with nuts placed at 300 mm apart without anyway puncturing the polycarbonate sheet, EPDM Washer 16 mm dia & 3 mm thick washer etc complete strictly as per manufacturers specification and direction of Engineer-in-Charge. (Payment to be made on area of finished work) . In Roof:- Natural/ Blue/Green/Bronze/Opal/Metallic grey colour																
	a)With 2 wall 6 mm overall thickness ( wt.1.30kg/sqm,Ugvalue being 3.7 W/m2K, Min. cold bending radius of 900 mm)	Sqm.	1102	1102	1102	1102	1102	1102	1102	1102	1102	1102	1102	1102	1102	1102	1102
	b)With 2 wall 8 mm overall thickness (wt.1.50kg/sqm,Ugvalue being 3.3 W/m2K, Min. cold bending radius of 1200 mm)	Sqm.	1326	1326	1326	1326	1326	1326	1326	1326	1326	1326	1326	1326	1326	1326	1326
	c)With 2 wall 10 mm overall thickness (wt.1.70kg/sqm,Ugvalue being 3.1 W/m2K, Min. cold bending radius of 1200 mm)	Sqm.	1544	1544	1544	1544	1544	1544	1544	1544	1544	1544	1544	1544	1544	1544	1544
	d)With 4 wall 8mm overall thickness (wt.1.60kg/sqm,Ugvalue being 2.76 W/m2K, Min. cold bending radius of 1200 mm)	Sqm.	1551	1551	1551	1551	1551	1551	1551	1551	1551	1551	1551	1551	1551	1551	1551

**SECTION 1. -----BUILDING WORKS**  
**(E) ROOFING, SHEET WALLING & WATERPROOF TREATMENT**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
	e)With 4 wall 10 mm overall thickness (wt.1.75kg/sqm,Ugvalue being 2.5 W/m2K, Min. cold bending radius of 1500 mm)	Sqm.	1829	1829	1829	1829	1829	1829	1829	1829	1829	1829	1829	1829	1829	1829	1829	
23	Supplying, fitting & fixing 1.5mm thick Plain Corrugation Polycarbonate clear sheet made of national brand, excluding the supporting frame work, fitted and fixed with 10mm dia x 55mm Self-driving screws, EPDM washers and putty complete with 150mm end lap and one corrugation minimum side lap complete as per specification & direction of Engineer - in - charge including materials, labour, taxes and all other incidental charges. (Payment to be made on area of finished work ).																	
	In Roof	Sq.M.	1991	1991	1991	1991	1991	1991	1991	1991	1991	1991	1991	1999	1991	1991	1991	
24	Supplying, fitting & fixing 1.5mm thick Trapezoidal profile corrugation Polycarbonate clear sheet made of national brand, excluding the supporting frame work, fitted and fixed with 10mm dia x 55mm Self-driving screws, EPDM washers and putty complete with 150mm end lap and one corrugation minimum side lap complete as per specification & direction of Engineer-in-charge including materials, labour, taxes and all other incidental charges (Payment to be made on area of finished work).																	
	In Roof	Sq.M.	2329	2329	2329	2329	2329	2329	2329	2329	2329	2329	2329	2337	2329	2329	2329	

**SECTION 1. -----BUILDING WORKS**  
**(E) ROOFING, SHEET WALLING & WATERPROOF TREATMENT**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri,Alipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
25	Supplying, Fitting and fixing Narriah tiles(Khapra) in slope roof over GCI/Plane Sheet roofing or bamboo frame work with necessary side restrain attachment by wooden plank or MS flat, angle, etc including cost of tile, labour complete but excluding cost of GCI/ Plane sheet roofing or bamboo frame work or side restrain work.	Sq.M	-	-	351	351	-	-	-	351	-	-	-	-	-	-	-	
26	Supplying, Fitting and fixing Narriah tiles(Khapra) Ridging with necessary lapping with side slopes of Narriah tiles roofing including cost of ridging, labour complete but excluding cost of GCI/ Plane sheet roofing or bamboo frame work.	Sq.M	-	-	48	48	-	-	-	48	-	-	-	-	-	-	-	
27	Galvanised or painted wind-tie made of M.S. flats, fitted and fixed complete including cost of necessary fittings.																	
	(a) Made with 40 mm. X 6 mm. flats	Metre	119	119	119	119	119	119	119	119	119	119	119	123	119	119	119	
	(b) Made with 50 mm. X 6 mm. flats	Metre	144	144	144	144	144	144	144	144	144	144	144	148	144	144	144	
	(c) Made with 50 mm. X 10 mm. flats	Metre	226	226	226	226	226	226	226	226	226	226	226	234	226	226	226	
	(Materials will not be supplied by the Deptt.)																	
28	Taking out wind-tie from roof including cutting out rusted bolts, nuts etc. and removing materials to any distance within the compound and stacking.	Metre	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	
29	Fixing old wind-tie with new fittings including painting.	Metre	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	
30	Walling or roofing fitted and fixed complete with cut drum sheets including the cost of drums, cost of cutting drums and flattening the sheets and cost of necessary nails and screws.	Sq.M	348	348	348	348	348	348	348	348	348	348	348	371	348	348	348	

**SECTION 1. -----BUILDING WORKS**  
**(E) ROOFING, SHEET WALLING & WATERPROOF TREATMENT**

Item No.	Description of Items	Unit	Rate (Rs.)														REMARKS	
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri,Alipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS		Uttar/ Dakshin Dinajpur Dist.
	(Cost of empty bitumen drums issued by the Deptt. will be recovered at Rs. 100.00 for each drum)																	
	<b>B. WATERPROOF TREATMENT</b>																	
1	Providing waterproofing treatment over concrete roof surface (old or new) by the application of two coats of slurry prepared with latex of approved brand, water and cement in the proportion of (LP.W. Cement - 1:4:6) by volume, with brush in a time gap of minimum 4(four) hours to 14(fourteen) hours between the two layers, laying 20mm thick sand and cement consolidated plaster (1:4) admixed with Plastocrete Super of approved brand 0.2% by weight of cement, laying flat 1st class Brick Bats / Bricks over the mortar keeping a gap of 10-20 mm between two bats, filling the vertical joints with the aforesaid mortar, providing a second layer of 20 mm thick sand and cement plaster (1:4) admixed with Plastocrete Super as above over the brick layer, the top surface of the treatment should be chequered to provide the antistrip property.																	
	(Note - the applicator is to be specialised in such type of work as per specification and maintain the I.S.I. Marked of the ingredients of the application. The skilled worker such as Head Mason, Mason, Bhistri, Majdoor should be trained from expert and recognised technical Personal/Institution having affiliated ISO-9001)																	
	(a) By Bricks (cement 25.66 kg/ Sq.m)	Sq.M	824	751	707	707	802	788	775	726	778	773	774	923	769	769	783	
	(b) By 1st Class Brick Bats (cement 29.66 kg/ Sq.m)	Sq.M	679	600	596	589	652	629	612	606	620	623	624	690	709	623	636	

**SECTION 1. -----BUILDING WORKS**  
**(E) ROOFING, SHEET WALLING & WATERPROOF TREATMENT**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
2	Supplying and laying standard four course bituminous water proofing treatment as per specification laid down in I.S. 1346 - 1991 to be finished with pea size gravel including necessary preparatory works such as shaping mouth of outlets, cutting as and where necessary and refilling with sand and Cement mortar (4:1) or Cement Concrete (1:2:4) with graded stone chips before undertaking the treatment including cutting grooves in parapet and inserting edge of felt and mending good damage complete in all respect as per direction of Engineer - in - Charge including cost of all materials and labours and incidental charges but excluding the cost of Cement Mortar or concrete required for levelling and grading. (In sloped roof Course sand of approved varieties is to be used in place of Pea size gravels as fourth and final course.)  i) 1st and 3rd Course with bonding materials of hot applied industrial blown type bitumen of grade 85/25 or 90/15 conforming to I.S.702 - 1988 @ 12Kg/10Sqm on each layer.																	
	ii) 2nd course with Hessian base self finished bitumen type-3 Gr.-I conforming to I.S. 1322-1993 (weighing 23kg/10Sqm gross with bitumen content 12.10kg/10Sqm ) tested under the provision of I.S. 13826 - 1993 part VII  iii) 4th course with washed and clean pea sized gravel or grit @ 0.006 cum/Sqm.																	
	A. Over Flat Roof.	Sq.M.	320	320	320	320	320	320	320	320	320	320	320	320	320	320	320	
	B. Over Sloped Roof.	Sq.M.	318	308	308	308	311	309	309	308	310	310	309	314	309	309	310	

**SECTION 1. -----BUILDING WORKS**  
**(E) ROOFING, SHEET WALLING & WATERPROOF TREATMENT**

Item No.	Description of Items	Unit	Rate (Rs.)														REMARKS	
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS		Uttar/ Dakshin Dinajpur Dist.
3	<p>Supplying and laying standard six course bituminous water proofing treatment as per specification laid down in I.S. 1346 - 1991 to be finished with pea size gravel including necessary preparatory works such as shaping mouth of outlets, cutting chase as and where necessary and refilling with sand and Cement mortar (4:1) or Cement Concrete (1:2:4) with graded stone chips before undertaking the treatment including cutting grooves in parapet and inserting edge of felt and mending good damage complete in all respect as per direction of Engineer - in - Charge including cost of all materials and labours and incidental charges but excluding the cost of Cement Mortar or concrete required for levelling and grading. (In sloped roof Course sand of approved varieties is to be used in place of Pea size gravels as sixth and final course.)</p> <p>i) 1st, 3rd and 5th Course with bonding materials of hot applied industrial blown type bitumen of grade 85/25 or 90/15 conforming to I.S.702 - 1988 @ 12Kg/10Sqm on each course.</p> <p>ii) 2nd and 4th course with Hessian base self finished bitumen type-3 Gr.-I conforming to I.S. 1322-1993 (weighing 23kg/10Sqm gross with bitumen content 12.10kg/10Sqm ) tested under the provision of I.S. 13826 - 1993 part VII</p> <p>iii) 6th course with washed and clean pea sized gravel or grit @ 0.006 cum/Sqm.</p>																	
	A. Over Flat Roof.	Sq.M.	494	494	494	494	494	494	494	494	494	494	494	494	494	494	494	494

**SECTION 1. -----BUILDING WORKS**  
**(E) ROOFING, SHEET WALLING & WATERPROOF TREATMENT**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurdwar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
	B. Over Sloped Roof.	Sq.M.	492	488	487	487	490	489	488	487	490	490	489	494	489	489	490	
4	Supplying & laying 3mm thick pre-fabricated plastomeric water proofing membrane conforming to EN 12311-1 & ASTM D 5147, manufactured with atactic poly propylene (APP) modified premium grade asphalt, specially reinforced with non-woven polyester core with polyester reinforcement @ 160 gms per sqm & both faces covered with thermo-fusible polyethylene film /MineraL on top face over a coat of primer @ 0.40 lit/sqm of manufacturer's specification on smooth, clean dry surface prepared wherever required. Lap joint shall be provided of 75 mm in longitudinal & 100 mm in transverse direction and fused using LPG/ Propane torch employing extra care ensuring full bondage, complete removal of entrapped air and sealing edges into grooves in appropriate manner as per direction of Engineer -in-charge all complete including materials, labour and applicable taxes. (Payment shall be made on the basis of finished surface area.).  Membrane Property: Softening Point > 150 deg C, Cold Flexibility < -6 deg C, Tensile Strength, N/cm : 600 (longitudinal), 450 (transverse), Tearing Strength, N: 300 (longitudinal), 200 (transverse)	Sqm.	407	407	407	407	407	407	407	407	407	407	407	407	407	407	407	
	<b>C. REPAIR &amp; REHABILITATION FOR WATERPROOFING</b>																	
1	Taking out old damaged tarfelt from the roof, parapet etc. preparing the roof surfaces by removing all spoils, blisters, moss etc. from the working site and disposal of the same beyond the compound and cleaning the site in all respect as per direction of Engineer-in-Charge.																	



**SECTION 1. -----BUILDING WORKS**  
**(E) ROOFING, SHEET WALLING & WATERPROOF TREATMENT**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
	All floor	Sq.M.	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	
2	Preparation of drainage spout on roof for bituminous waterproofing treatment after required grading and shaping of the under bed with Cement Concrete (1:2:4) or Cement Mortar (1:4) as directed, Chamfering and moulding the parapet wall to form a bell mouth entry, if required and providing full course treatment with bituminous felt to facilitate quick and smooth drainage of watwr into the down pipes complete including cost of all materials and labour according to satisfaction of the Engineer - in - Charge.  (This item shall be done for reparing works only and shall not be used when original/renewal of tarfelting work is proposed to be undertaken)																	
	All floor	Each	110	113	113	113	113	113	113	113	113	113	113	113	113	113	113	
3	Application of priming coat for standard bituminous waterproofing treatment over flat roof with Bitumen primer of approved brand fufilling the provision of I.S. 1346 - 1991 & 3384 - 1986 applied @ 0.27 Liters /Sq.m. over clean and prepared roof surface complete as per satisfaction of the Engineer - in - Charge.																	
	All Floor -	Sq.M.	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	
	(This item shall not be applied over C.I. or Asbestos roof)																	
<b>D. REPAIR &amp; REHABILITATION</b>																		

**SECTION 1. -----BUILDING WORKS**  
**(E) ROOFING, SHEET WALLING & WATERPROOF TREATMENT**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
1	Renewing rounding only (100 mm. radius) at the junction of roof and parapet etc. with beaten lime concrete (2:2:7) with slaked lime (2 lime putty / paste : 2 surki : 7 brick khoa )	Metre	72	67	64	64	72	69	70	65	67	67	67	89	68	67	67	
2	Renewing ceiling tile including pointing in cement mortar (1:3)																	
	(a) In single layer (Cement 1.7 Kg/ Sq.m)	Sq.M	339	336	336	336	338	337	336	336	338	337	338	340	337	337	338	
	(b) In double layer (Cement 3.4 Kg/ Sq.m)	Sq.M	620	616	615	615	618	617	616	615	618	618	618	624	618	618	619	
3	Repairs to roof cracks with cement and sand mortar (1:4) including cutting grooves and cleaning cracks and grouting the cracks with neat cement before repairs. (Cement 0.63 Kg/Mtr. )	Metre	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	
4	Repair to roof cracks with Bitumen (VG-40) including cutting grooves and cleaning cracks, heating bitumen as directed and finished with sand blinding. (Bitumen 1.687 Kg/ Sq.m, Medium Sand 0.6 Cu.m/100 Sq.m) (Bitumen to be supplied by contractor)	Sq.M	223	220	219	219	222	221	220	219	222	221	221	226	221	221	222	
5	Repairs to cracks in terraced roof by cutting V-grooves 75 mm. to 100 mm. deep and 150 mm. to 200 mm. wide and filling the same with beaten lime concrete (2:2:7) with lime putty / paste and finishing complete (2 lime putty / paste : 2 surki : 7 brick khoa )	Metre	164	145	131	131	164	158	163	132	145	145	149	257	149	149	149	
6	Labour for painting roof surface with Bitumen (using 135 kg (avg.) per % Sq.m.) including cleaning roof, heating bitumen as directed and spreading sand and complete including cost of sand @ 0.6 cu.m. per % Sq.m. and cost of carriage of Bitumen from depts godown but excluding the cost of bitumen. (If heating is not reqd. then deduct Rs.3.45/- per Sq.m)	Sq.M	26	22	22	22	24	23	22	22	24	24	24	28	23	23	24	

**SECTION 1. -----BUILDING WORKS**  
**(E) ROOFING, SHEET WALLING & WATERPROOF TREATMENT**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
7	Cow dung (green and not dry hard) and cement wash (3 cow dung: 1 cement by wt.) not less than 1.5 mm. thick. (Cement 1.08Kg/Sq.m)	Sq.M	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	
8	(i) Examining wooden beam by sounding or boring	Each	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	
	(ii) Examining wooden burghas by sounding	Each	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
9	Opening out and examining portion of bearing of beam including mending good damages as necessary.	Each Bearing	155	155	155	155	155	155	155	155	155	155	155	155	155	155	155	
10	Replacing wooden beam or R.S. joist by R.S. joist or by another wooden beam joist and fixed complete, including hire and labour charges for necessary sal bullah props, necessary packing between beams and burgahs but excluding the cost of joist or wooden beam and concrete/ Brick works etc needed for mending damages.																	
	[Mode of payment for wooden beam (raplacing the old one) will be made against Item No. 4 of carpenter's work]																	
	(i) Height not exceeding 5m																	
	(a) Clear span not exceeding 3.7m.	Each	2525	2525	2525	2525	2525	2525	2525	2525	2525	2525	2525	2525	2525	2525	2525	
	(b) Clear span exceeding 3.7m but not exceeding 5m.	Each	2935	2935	2935	2935	2935	2935	2935	2935	2935	2935	2935	2935	2935	2935	2935	
	(c) Clear span exceeding 5m but not exceeding 6m.	Each	3248	3248	3248	3248	3248	3248	3248	3248	3248	3248	3248	3248	3248	3248	3248	
	(d) Clear span exceeding 6m but not exceeding 7.3m.	Each	3655	3655	3655	3655	3655	3655	3655	3655	3655	3655	3655	3655	3655	3655	3655	
	(ii) Height exceeding 5m but not exceeding 7.3m.																	
	(a) Clear span not exceeding 3.7m.	Each	2971	3253	3253	3253	3253	3253	3253	3253	3253	3253	3253	3253	3253	3253	3253	
	(b) Clear span exceeding 3.7m but not exceeding 5m.	Each	3539	3539	3539	3539	3539	3539	3539	3539	3539	3539	3539	3539	3539	3539	3539	
	(c) Clear span exceeding 5m but not exceeding 6m.	Each	3989	3989	3989	3989	3989	3989	3989	3989	3989	3989	3989	3989	3989	3989	3989	
	(d) Clear span exceeding 6m but not exceeding 7.3m.	Each	4557	4557	4557	4557	4557	4557	4557	4557	4557	5113	4557	4557	4557	4557	4557	

**SECTION 1. -----BUILDING WORKS**  
**(E) ROOFING, SHEET WALLING & WATERPROOF TREATMENT**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
11	Labour for changing burgahs excluding mending damages.	Each	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	
	[Payment for the wooden burgahs (replacing the old ones) will be made against Item C (2) of carpenter's work ]																	
12	Encasing R.S. joist / beam with 16 to 18 B.W.G. wire netting (13 to 19 mm. mesh) and cement concrete (1:1.5:3) with stone chips including finishing with 15 mm. thick cement plaster (1:4) and 2 coats white washing complete.( Cement 18.9 Kg/Sq.m)	Sq.M	556	529	521	498	530	538	541	524	536	536	507	595	545	562	536	
	(Payment to be made on area of exposed surface)																	
13	Cutting shallow channel drain of roof for easy passage of rain water cement plastered (1:4) complete. (Payment for Cement plaster to be paid separately)	Metre	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	
14	Renewing (in job work) Ranigunge pattern tile of 1st class quality including pointing joints with																	
	(a) Valamoid or similar bituminous paste as approved	Each	22	21	19	23	22	22	22	22	19	16	16	-	-	-	-	
	(b) Cement mortar (1:3) (Cement 5Kg/100 nos)	Each	20	19	17	21	20	20	20	20	17	15	15	-	-	-	-	
15	Resetting old ridging of R.T roof including fresh pointing with																	
	(a) Valamoid or similar bituminous paste as approved	Metre	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	
	(b) Cement mortar (1:3) (Cement 0.2Kg/Mtr)	Metre	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	
16	Re-pointing R.T. roof with																	
	(a) Valamoid or similar bituminous paste as approved	Sq.M	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	
	(b) Cement mortar (1:3) (Cement 0.5Kg/Sq.m)	Sq.M	11	10	10	10	11	11	10	10	11	11	11	11	11	11	11	
17	Cleaning thoroughly heavy soots and foreign matters from underneath Ranigunge pattern tiled roof.	Sq.M	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	

**SECTION 1. -----BUILDING WORKS**  
**(E) ROOFING, SHEET WALLING & WATERPROOF TREATMENT**

Item No.	Description of Items	Unit	Rate (Rs.)														REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri,Alipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	
18	Fitting and fixing old pieces of asbestos, G.C.I. or C.I. sheets or plain sheets including closing old holes with washers and sheet-bolts and nuts, etc. and including fixing the same to supporting frame with necessary hook-bolts, washers, putty etc. (excluding cost of sheets). (Payment to be made on area of finished work.)																
	(i) With about half old and half new fittings, including the cost of new fittings.																
	(a) In roof	Sq.M	69	69	69	69	69	69	69	69	69	69	69	72	69	69	69
	(b) In wall	Sq.M	58	58	58	58	58	58	58	58	58	58	58	61	58	58	58
	(ii) With all new fittings including the cost thereof.																
	(a) In roof	Sq.M	104	104	104	104	104	104	104	104	104	104	104	111	104	104	104
	(b) In wall	Sq.M	87	87	87	87	87	87	87	87	87	87	87	93	87	87	87
19	Fitting and fixing old pieces of asbestos, G.C.I. or C.I. sheet or plain sheet ridging or gutter including closing old holes with washers and sheet-holts and nuts etc. and including fixing the same to supporting frame with necessary hookbolts, washers, putty etc. (excluding the cost of the ridge or gutter pieces).																
	(Payment to be made on length of finished work.)																
	(a) With about half old and half new fittings, including the cost of new fittings.	Metre	100	100	100	100	100	100	100	100	100	100	100	103	100	100	100
	(b) With all new fittings including the cost thereof.	Metre	117	117	117	117	117	117	117	117	117	117	117	122	117	117	117
20	Renewing galvanised J or L hook-bolt with nut and with necessary limpet and bitumen washers, putty etc. fitted and fixed complete. (Total length of bolt upto 225 mm)																
	(a) 10 mm dia. bolt	Each	30	30	30	30	30	30	30	30	30	30	30	35	30	30	30

**SECTION 1. -----BUILDING WORKS**  
**(E) ROOFING, SHEET WALLING & WATERPROOF TREATMENT**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
	(b) 8 mm dia. bolt	Each	27	27	27	27	27	27	27	27	27	27	27	32	27	27	27	
	(c) 6 mm dia. bolt	Each	22	22	22	22	22	22	22	22	22	22	22	25	22	22	22	
	(d) 4 mm dia. bolt	Each	20	20	20	20	20	20	20	20	20	20	20	23	20	20	20	
21	Stopping roof leakages in C.I. or G.C.I. or asbestos roofing.																	
	(i) With putty and paint	% Sq.M	1098	1048	1048	1048	1048	1048	1048	1048	1048	1048	1048	1148	1048	1048	1048	
	(ii) With limpet and bitumen washer and putty	% Sq.M	1404	1404	1404	1404	1404	1404	1404	1404	1404	1404	1404	1504	1404	1404	1404	
	(iii) Closing holes in C.I. or G.C.I. or asbestos roofing with sheet bolt, limpet and bitumen washers, putty etc.	Each	16	16	16	16	16	16	16	16	16	16	16	18	16	16	16	
22	Filling up joints (both vertical and horizontal) of curved C.I. roofing of Lahore type sheds by a thick paste made of jute chopping mixed with bituminous paint and stopping roof leakages including the leakages through other weak spots with limpet and bitumen washers and putty etc.	Sq.M	29	29	29	29	29	29	29	29	29	29	29	30	29	29	29	
23	Labour for taking out and refixing of Narriah tiles(Khapra) in slope roof over GCI/Plane Sheet roofing or bamboo frame work.	Sq.M	-	-	105	105	-	-	-	105	-	-	-	-	-	-	-	
24	Labour for taking out and refixing of Narriah tiles(Khapra) ridging in slope roof over GCI/Plane Sheet roofing or bamboo frame work.	Metre	-	-	5	5	-	-	-	5	-	-	-	-	-	-	-	

**SECTION 1. -----BUILDING WORKS**  
**(F) STRUCTURAL STEEL WORKS, GRILLS, GATES ETC.**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS	
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.		
	<b><u>A. ORIGINAL WORKS</u></b>																		
1	M.S. structural works in columns, beams etc. with simple rolled structural members (e.g. joists, angle, channel sections conforming to IS: 226, IS: 808 & SP (6)- 1964 connected to one another with bracket, gussets, cleats as per design, direction of Engineer-in-charge complete including cutting to requisite shape and length, fabrication with necessary bolting, metal arc welding conforming to IS: 816- 1969 & IS: 1995 using electrodes of approved make and brand conforming to IS:814- 2004, haulage, hoisting and erection all complete. The rate includes the cost of rolled steel section, consumables such as electrodes, gas and hire charge of all tools and plants and labour required for the work including all incidental chages such as electricity charges, labour insurance charges etc.																		
	Payment to be made on the basis of calculated weight of structural members only in finished work as per IS specified weight. Payment for gusset, bracket, cleat, rivets, bolts and nuts may be make by adding the actual weight of such items with the weight of finished structural members or 7% of weight for finished structural members weighing not less than 22.5 Kg. / m. or 15 % of weight for finished structural members weighing less than 22.5 Kg. / m. may be increased allow for bracket, cleat, rivet, bolts and nuts etc. and no seperate payment being made for these items, as per direction of Engineer In Charge. The rates are considered for a height of erection 8m. / 2nd floor level from the ground. Add 1.5% extra over the rate for each additional floor or 4m. beyond initiaal 8m. or part thereof.																		
	1) For structural members of specified sections weighing less than 22.5 Kg./m	MT	59119	59119	59119	59119	59119	59119	59119	59119	59119	59119	60230	61341	60230	60230	60230		

**SECTION 1. -----BUILDING WORKS**  
**(F) STRUCTURAL STEEL WORKS, GRILLS, GATES ETC.**

Item No.	Description of Items	Unit	Rate (Rs.)														REMARKS	
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS		Uttar/ Dakshin Dinajpur Dist.
	II) For Structural Works in Roof Trusses etc. using joists, channels and angles of specified section weighing less than 22.5 kg/ m	MT	60276	60276	60276	60276	60276	60276	60276	60276	60276	60276	61387	62499	61387	61387	61387	
	III) For built up sections / structural members of specified sections weighing not less than 22.5 Kg./m	MT	61784	61784	61784	61784	61784	61784	61784	61784	61784	61784	62894	64005	62894	62894	62894	
2	<p>M.S. structural works in roof trusses with tubular sections conforming to IS: 806-1968 &amp; IS: 1161- 1998 connected to one another with bracket, gusset cleats as per design, direction of Engineer-in-charge complete including cutting to requisite size, fabrication with necessary metal arc welding conforming to IS: 816-1969 &amp; IS: 9595 using electrodes of approved make and brand conforming to IS:814- 2004, haulage, hoisting and erection all complete.</p> <p>The rate includes the cost of rolled steel section, consumables such as electrodes, gas and hire charge of all tools and plants and labour required for the work including all incidental chages such as electricity charges, labour insurance charges etc.</p> <p>Payment to be made on the basis of calculated weight of structural tubular memebtrs as specified in relevent IS code in finished work. Payment for gusset, bracket, cleat may be made by adding the actual weight of such items with weight of finished structural members. The rates are considered for a height of erection 8 m. / 2nd floor level from the ground. Add 1.5 % extra over the rate for each additional floor or 4m. beyond the initial 8 m. or part thereof.</p>																	
	i) For trusses spanning up to 12.00 m	MT.	59468	59468	59468	59468	59468	59468	59468	59468	59468	59468	60579	61691	60579	60579	60579	
	ii) For trusses spanning above 12.00 m and up to 20 .00 m	MT.	61675	61675	61675	61675	61675	61675	61675	61675	61675	61675	62796	63918	62796	62796	62796	
	iii) for trusses spanning above 20.00 m and up to 30 .00m	MT.	63115	63115	63115	63115	63115	63115	63115	63115	63115	63115	64247	65380	64247	64247	64247	



**SECTION 1. -----BUILDING WORKS**  
**(F) STRUCTURAL STEEL WORKS, GRILLS, GATES ETC.**

Item No.	Description of Items	Unit	Rate (Rs.)														REMARKS	
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS		Uttar/ Dakshin Dinajpur Dist.
2A	<p>M.S. structural works with hollow sections (square or rectangular shape) conforming to IS: 806-1968 &amp; IS:1161-1998) connected to one another with bracket, gusset, cleat as per design, drawing &amp; direction of Engineer-in-Charge complete including cutting to requisite shape &amp; size, fabrication including metal arc welding conforming to IS: 816-1969 &amp; IS: 9595 using electrodes of approved make and brand conforming to IS:814- 2004, haulage, hoisting and erection all complete.</p> <p>The rate includes the cost of all M.S. Hollow section, all consumables such as electrodes, gas and hire charges of all tools and plants and labour reqired for execution and all incidental chages (such as electricity, labour insurance) etc. complete.</p> <p>Payment to be made on the basis of calculated weight of structural memebtrs of MS Holow Section as specified in relevent IS code in finished work. Payment for gusset, bracket, cleat may be made by adding the actual weight of such items with weight of finished structural members. The rates are considered for a hight of erection 8 m. / 2nd floor level from the ground. Add 1.5 % extra over the rate for each additional floor or 4m. beyond the initial 8 m. or part thereof.</p>																	
	i) For rooftruss works																	
	a) Span up to 12 Mtr	MT.	58832	58832	58832	58832	58832	58832	58832	58832	58832	58832	59943	61054	59943	59943	59943	
	b) Span beyond 12 Mtr and up to 20.00 Mtr	MT.	61970	61970	61970	61970	61970	61970	61970	61970	61970	61970	63080	64191	63080	63080	63080	
	c) Span beyond 20 Mtr and up to 30 Mtr	MT.	64077	64077	64077	64077	64077	64077	64077	64077	64077	64077	65209	66341	65209	65209	65209	
	ii) For other Structural works like galleries etc.	MT.	61285	61285	61285	61285	61285	61285	61285	61285	61285	61285	62407	63528	62407	62407	62407	
3	Cutting to requisite length or shape departmental R.S. joists, channels, angles, tees, plates etc.	Sq. cm.	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	
	(Payment to be made on area of cut surface)																	

**SECTION 1. -----BUILDING WORKS**  
**(F) STRUCTURAL STEEL WORKS, GRILLS, GATES ETC.**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
4	Drilling holes of requisite diameter in R.S. joists channels, tees. Plates etc.																	
	(a) (I) Dia. Upto 12mm and depth upto 10 mm.	Each	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
	(ii) Extra for drilling beyond depth of 10mm	Each	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
	(b) (I) Dia.above 12mm and depth upto 10 mm.	Each	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	
	(ii) Extra for drilling beyond depth of 10mm	Each	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	
5	Labour for hoisting and placing in proper position (up to 1st floor level) departmental R.S. joists, channels, angles. Tees, plates etc. including fitting and fixing same with bolts and nuts, if necessary (but excluding cost of such bolts and nuts)	Qntl.	412	412	412	412	412	412	412	412	412	412	412	412	412	412	412	
	(a) Add extra for each additional floor over 1st floor.	Qntl.	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	
6	Holding down bolt with nut including 100 x 100 x 6 mm plate washer at bottom fitted complete and packing the hole with cement concrete or cement grout as directed.																	
	(i) 16 mm dia bolt																	
	(a) 300 mm long	Each	86	86	86	86	86	86	86	86	86	86	86	89	86	86	86	
	(b) 450 mm long	Each	116	116	116	116	116	116	116	116	116	116	116	117	116	116	116	
	(ii) 20 mm dia bolt.																	
	(a) 300 mm long	Each	141	142	142	142	142	142	142	142	142	142	142	142	141	142	142	
	(b) 450 mm long	Each	161	162	162	162	162	162	162	162	162	162	162	162	162	162	162	
	(c) 600 mm long	Each	191	191	191	191	191	191	191	191	191	191	191	192	191	191	191	
	(iii) 25 mm dia.																	
	(a) 450 mm long.	Each	221	220	220	220	220	220	220	220	220	220	220	223	220	220	220	
	(b) 500 mm long.	Each	251	251	251	251	251	251	251	251	251	251	251	253	251	251	251	
	(c) 750 mm long	Each	341	341	341	341	341	341	341	341	341	341	341	342	341	341	341	

**SECTION 1. -----BUILDING WORKS**  
**(F) STRUCTURAL STEEL WORKS, GRILLS, GATES ETC.**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
	(iv) 32 mm dia:																	
	(a) 450 mm long	Each	321	321	321	321	321	321	321	321	321	321	321	323	321	321	321	
	(b) 500 mm long	Each	341	341	341	341	341	341	341	341	341	341	341	342	341	341	341	
	(c) 750 mm long	Each	420	421	421	421	421	421	421	421	421	421	421	425	421	421	421	
7	Supplying, fitting, fixing bolts with nuts, washer:																	
	(i) 10 to 16 mm dia:																	
	(a) Length up to 75 mm	Kg.	114	114	114	114	114	114	114	114	114	114	114	115	114	114	114	
	(b) Length above 75 mm and upto 150 mm.	Kg.	103	103	103	103	103	103	103	103	103	103	103	104	103	103	103	
	(c) Length above 150mm.	Kg.	98	98	98	98	98	98	98	98	98	98	98	99	98	98	98	
	(ii) 20 to 25 mm dia bolt:																	
	(a) Length up to 75 mm dia:	Kg.	115	115	115	115	115	115	115	115	115	115	115	116	115	115	115	
	(b) Length above 75 mm and upto 150 mm.	Kg.	108	108	108	108	108	108	108	108	108	108	108	109	108	108	108	
	(c) Length above 150mm.	Kg.	105	105	105	105	105	105	105	105	105	105	105	106	105	105	105	
8	M.S. works in brackets made from flats, angles, tees etc. to sizes specially bent, twisted, forged; making holes drilled and fitted to rafter of trusses with necessary bolts, nuts, washer or screws etc. (length of straight not less than 230 mm)	Qntl.	7335	7335	7335	7335	7335	7335	7335	7335	7335	7335	7467	7600	7467	7467	7467	
	(To be used for repair works only)																	
9	Labour for assembling, hoisting, placing, fitting & fixing tubular roof trusses.																	
	(a) Above 1.5 m to 3 m span	Each	436	436	436	436	436	436	436	436	436	436	436	436	436	436	436	
	(b) Above 3 m to 6 m span	Each	720	720	720	720	720	720	720	720	720	720	720	720	720	720	720	
	(c) Above 6 m to 9 m span	Each	1489	1489	1489	1489	1489	1489	1489	1489	1489	1489	1489	1489	1489	1489	1489	
	(d) Above 9 m to 12 m span	Each	2028	2028	2028	2028	2028	2028	2028	2028	2028	2028	2028	2028	2028	2028	2028	
	(e) Above 12 m to 15 m span	Each	2925	2925	2925	2925	2925	2925	2925	2925	2925	2925	2925	2925	2925	2925	2925	
10	Ordinary grating bars made of round or square M.S. rods fitted and fixed in holes of window frames etc, complete.																	

**SECTION 1. -----BUILDING WORKS**  
**(F) STRUCTURAL STEEL WORKS, GRILLS, GATES ETC.**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
	In ground floor.	Qntl.	5979	5947	5947	5947	5947	5947	5947	5947	5947	5947	6086	6193	6086	6074	6074	
	(Steel materials will not be issued by the Deptt.)																	
	(Add extra @1% for each additional floor upto 4th floor. @1.25% for each additional floor above 4th floor).																	
11	M.S. round or square bar grating of windows etc. fitted and fixed in holes of window frame and with intermediate flat bar stiffener( with necessary holes for the grating bars and with the ends turned and fixed to timber frame with necessary screws) complete, as directed.																	
	In ground floor.	Qntl.	6154	6123	6123	6123	6123	6123	6123	6123	6123	6123	6262	6369	6262	6250	6250	
	(Steel materials will not be issued by the Deptt.)																	
12	M.S. works in framed gratings of window etc.made of round or square bars and frame work or M.S. flats (with the bars securely fixed to the flat bar frame) with or without intermediate flat bar stiffener and fixed with necessary screws etc. complete, as directed.																	
	In ground floor.	Qntl.	6330	6299	6299	6299	6299	6299	6299	6299	6299	6299	6438	6544	6438	6425	6425	
13	(a) M.S.or W.I. Ornamental grill of approved design joints continuously welded with M.S, W.I. Flats and bars of windows, railing etc. fitted and fixed with necessary screws and lugs in ground floor.																	
	(Add extra @ 1% for each addl. floor upto 4th floor and @ 1.25% for each addl. floor above 4th floor)																	
	(i) Grill weighing above 10 Kg./sq.mtr and up to 16 Kg./sq. mtr.	Qntl	7238	7238	7238	7238	7238	7238	7238	7238	7238	7238	7371	7504	7371	7371	7371	
	(ii) Grill weighing above 16 Kg./sq.mtr and above	Qntl	7046	7046	7046	7046	7046	7046	7046	7046	7046	7046	7178	7312	7178	7178	7178	
	(MODE OF MEASUREMENT):-																	
	The weight of grill per sq.m. will be determined by taking the physical weight of fabricated grill and dividing the same by covered area of the same.																	

**SECTION 1. -----BUILDING WORKS**  
**(F) STRUCTURAL STEEL WORKS, GRILLS, GATES ETC.**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
	<b>N.B. No shop priming will be allowed to facilitate inspection of workmanship. Weight of grill is to be taken after final grinding and finishing the weld.</b>																	
	(b) Extra for work in grill gate.																	
	(I) For hanging and locking arrangements including supply of materials and labour complete.																	
	<b>(15% extra over the corresponding item of grill )</b>																	
	(ii) For supplying fitting and fixing bottom rollers including all labour complete.																	
	<b>(5% extra over the corresponding item of grill )</b>																	
14	Supplying, fitting, fixing in position rails on any surface.	Kg.	60	60	60	60	60	60	60	60	60	60	62	63	62	62	62	
15	Supplying 1.5mm thick M.S. sheet fitted and fixed on one or both faces of M.S./ W.I. gate etc. with point welding at not more than 150mm apart complete in all respect as per design including cost of all labour and materials.	Sq.m.	977	977	977	977	977	977	977	977	977	977	993	1010	993	993	993	
16	M.S. gate of Jail type as per approved design made of strong M.S. frame work, intermediate stiffeners and round / square bars or angles. M.S. sheet (not less than 14 gauge) gussets, cleats etc. including necessary riveting, bolting, welding, locking and hanging arrangements, fitting and fixing complete as per direction of the Engineer-in -charge.																	
	In ground floor.	Qntl.	7566	7566	7566	7566	7566	7566	7566	7566	7566	7566	7693	7819	7693	7693	7693	
	<b>(Add extra @ 1% for each addl. floor upto 4th floor and @ 1.25% for each addl. floor above 4th floor)</b>																	
	<b>(Portion of locking arrangement inside the wal to be paid separately)</b>																	
17	Locking arrangement for Jail type doors including supplying fitting and fixing in position complete as per approved design.	Kg.	277	277	277	277	277	277	277	277	277	277	277	277	277	277	277	
	<b>(Concrete to be paid extra)</b>																	

**SECTION 1. -----BUILDING WORKS**  
**(F) STRUCTURAL STEEL WORKS, GRILLS, GATES ETC.**

Item No.	Description of Items	Unit	Rate (Rs.)														REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	
18	Collapsible gate with 40mm x 40mm x 6mm Tee as top and bottom guide rail, 20mm x 10mm x 2mm vertical channels 100mm apart in fully stretched position 20mm x 5mm M.S. flats as collapsible bracings properly rivetted and washered including 38mm steel rollers including locking arrangements, fitted and fixed in position with lugs set in cement concrete and including cutting necessary holes, chasing etc. in walls, floors etc. and making good damages complete.																
	(Add extra @ 1% for each addl. floor upto 4th floor and @ 1.25% for each addl. floor above 4th floor)																
	In ground floor.	Sq.m.	3402	3402	3402	3402	3402	3402	3402	3402	3402	3402	3773	3773	3773	3773	3773
	(Payment will be made on the area of the gate covered by two guard rails and two extreme channels)																
	(A) Extra over the corresponding item of collapsible gate for top hung	Sq.m.	148	148	148	148	148	148	148	148	148	148	148	148	148	148	148
19	(a) Supplying, fitting and fixing steel rolling shutter profile type with 18 B.G . of approved type steel latch section 75mm wide, fitted with coil wire spring to necessitate the fitting of required Nos. of C.I. Pulleys on heavy type solid drawn seamless steel tube complete with locking arrangements both inside and outside specially builtup side guide channels including providing a hood for the steel rolling shutter in the room, painting two coats of approved aluminium paint over a coat of red lead primer complete.	Sq.m.	2170	2170	2170	2170	2170	2170	2170	2170	2170	2170	2170	2715	2170	2170	2170
	1. (Measurement will be made on the area of opening covered by the rolling shutter corrected upto 2 decimal.) 2. Payment of painting to be separately.																

**SECTION 1. -----BUILDING WORKS**  
**(F) STRUCTURAL STEEL WORKS, GRILLS, GATES ETC.**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
	(b) Supplying fitting and fixing steel rolling grills link type, shutter with 18 B.G .of approved type steel to the section 75mm wide, fitted with coil wire spring to necessitate the fitting of required Nos. of C.I. Pulleys on heavy type solid drawn seamless steel tube complete with locking arrangements both inside and outside specially builtup side guide channels including providing a hood for the steel rolling shutter in the room, painting two coats of approved aluminium paint over a coat of red lead primer complete.	Sq.m.	2833	2833	2833	2833	2833	2833	2833	2833	2833	2833	2833	3540	2833	2833	2833	
	(Measurement will be made on the area of opening covered by the rolling shutter corrected upto 2 decimal.)																	
20	Supplying, fitting and fixing windows and ventilators with or without integrated grills conforming to IS 1038-1975 and manufactured from rolled steel sections conforming to IS 7452-1974 with non-friction projecting type, box type hinges, glazing clips, lugs locking bracket, handle plate etc, including hoisting in position, straightening if required, fixing lugs in cement concrete ( 1:2:4) with stone chips 20 mm down cutting holes and mending good damages to match with existing surface complete in all respect excluding glazing.																	
	(Add extra @ 1.2 % for each additional floors upto 4th floor and @ 1.5% for each addl. Floor above 4th floor.)																	
	In Ground floor																	
	Flash butt welded windows and ventilators																	
	(No shop priming will be allowed to facilitate inspection of workmanship)																	
	Without integrated grills.																	
	(a) Fixed type steel windows as per IS sizes with horizontal glazing bars.	Sq. M.	1214	1214	1214	1214	1214	1214	1214	1214	1214	1214	1229	1244	1229	1229	1229	
	(b) Openable steel windows as per IS sizes with side hung shutters and horizontal glazing bars. [The extra rate admissible for the openable portion only]	Sq. M.	1663	1663	1663	1663	1663	1663	1663	1663	1663	1663	1689	1717	1689	1689	1689	
	( c ) Extra over item no. 33 (a) and (b) for,																	

**SECTION 1. -----BUILDING WORKS**  
**(F) STRUCTURAL STEEL WORKS, GRILLS, GATES ETC.**

Item No.	Description of Items	Unit	Rate (Rs.)														REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	
	(i) Fixed type ventilators as per I.S. sizes with horizontal glazing bars height being limited to 580 mm.	Sq. M.	107	107	107	107	107	107	107	107	107	107	107	107	107	107	
	(ii) Top hung side hung ventilators as per I.S. sizes 580 mm.	Sq. M.	187	187	187	187	187	187	187	187	187	187	187	187	187	187	
	(iii) Centre hung ventilators as per I.S. sizes 580 mm.	Sq. M.	355	355	355	355	355	355	355	355	355	355	355	355	355	355	
	(iv) Two point nose steel handle including fitting and fixing.	Each	35	34	34	34	34	34	34	34	34	34	34	36	34	34	
	(v) Two point nose aluminium handle including fitting and fixing.	Each	40	40	40	40	40	40	40	40	40	40	40	41	40	40	
	(vi) steel peg stay 300 mm long including fitting and fixing.	Each	25	25	25	25	25	25	25	25	25	25	25	26	25	25	
	(vii) Aluminium peg stay 300 mm long including fitting and fixing.	Each	40	40	40	40	40	40	40	40	40	40	40	41	40	40	
	(viii) M.S. integrated grill as per approved design integrated with steel window or ventilator, joints continuously welded with M.S. flats and bars.	Kg.	67	67	67	67	67	67	67	67	67	67	69	70	69	69	
	Mode of measurement.																
	(The weight of grill will be determined (theoritically) from section of the grills actually used excluding the rolled steel section of the window / vent. The weight of the grill should be calculated at 7.85 gm./ cu.cm.)																
	Note:- For windows and ventilators joints welded by arc welding, the above rates at (a) and (b) shall be reduced by 10%.																
21	Supplying, fitting and fixing cast iron heavy type spiral staircase of approved design with 50 mm.dia. Stem and C.I. Steps 150 mm as per design 900 mm. high C.I. railing including necessary M.S. tie of suitable section embedded to wall with cement concrete (1:2:4) including cost of intermediate C.I. platform secured with necessary tie to stem and wall with cement concrete (1:2:4) including fixing the stem in ground with cement concrete (1:3:6) complete in all respect with all labour and materials.																



**SECTION 1. -----BUILDING WORKS**  
**(F) STRUCTURAL STEEL WORKS, GRILLS, GATES ETC.**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
	(Payment to be made on vertical height in between 1st step and top platform.)																	
	(a) With 1200 mm.dia. well	Mtr.	4211	4191	4187	4163	4191	4186	4208	4188	4194	4201	4169	4335	4207	4221	4226	
	(b) With 900 mm.dia. well	Mtr.	3882	3862	3858	3835	3863	3857	3879	3859	3865	3872	3841	4011	3879	3893	3898	
	<b>N.B. : No steel materials will be issued in this section.</b>																	
22	Supplying, fitting and fixing Stainless Steel railing consist of 38mm dia and 900mm height vertical balustrade at every two alternative steps, 50mm dia top rail, 3 (three) nos 19mm dia horizontal Strainless steel pipe and base/cover plate with Strainless Steel GRADE 304 containing 7.5% nickle (Interior Grade) Brushed/Mat finish, complete as per direction of the Engineer-in-charge. Weight of Strainless Steel railing per metre 6.5 Kg (approx)	Mtr.	5974	7677	7677	7677	7677	7677	7677	7677	7677	7677	7677	8895	7677	7677	7677	
23	Supplying, fitting & fixing fire resistant door frame conforming to IS:3614, tested and certified as per laboratory approved by Engineer-in-charge, of section 143 x 57 mm having built in rebate made out of 16 SWG G.I.sheet (zinc coating not less than 120 gm/sqm) duly filled with vermiculite based concrete mix, suitable for mounting 120 minutes fire rated door shutters. The frame is fitted with intumescent fire seal strip of size 10x4 mm (minimum) alround the frame and fixing with back plate bracket and anchor fastener of approved size and make. Rubber door silencers should be provided on striking jamb.																	

**SECTION 1. -----BUILDING WORKS**  
**(F) STRUCTURAL STEEL WORKS, GRILLS, GATES ETC.**

Item No.	Description of Items	Unit	Rate (Rs.)														REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	
	<p>Supplying, fitting &amp; fixing fire resistant Door leaf of 46 mm thick fully flush double skin glazed fire resistant door shutters with or without vision lite, of 120 minutes fire rating conforming to IS:3614 (Part-II), tested and certified as per laboratory approved by Engineer-in-charge, with suitable mounting on door frame, consisting of vertical styles, lock rail, top rail 100 mm wide, bottom rail 200 mm wide, made out of 18 SWG G.I. sheet (zinc coating not less than 120 gm/ m2) duly filled heat-resistant phenolic resin bonded insulation material (honeycomb craft) and fixing with necessary stainless steel ball bearing hinges of approved make. For pair of doors astragals has to be provided on the meeting stile for both active and inactive leaf. Vision lite wherever applicable should be provided as per manufacturer recommendation with a beeding and screw from inside. The glass should be 6mm clear borosilicate fire rated glass of relevant rating.</p> <p>All door and frames shall be finished with polyurethane aliphatic grade paint of approved colour including applying a coat of approved brand fire resistant primer. The door leaf and frame shall have passed minimum 250 hours of salt spray test. Rate should include supply and installation complete as per direction of Engineer-in-charge.</p>																
	i) 2 hour Fire rated door single leaf of size (1200 mm x 2180 mm)	each	22523	22523	22523	22523	22523	22523	22523	22523	22523	22523	22523	22523	22523	22523	22523
	ii) 2 hour Fire rated door double leaf of size (1470 mm x 2170 mm)	each	29957	29957	29957	29957	29957	29957	29957	29957	29957	29957	29957	29957	29957	29957	29957
	Add 1% extra for each additional floor over the rate for Ground Floor																
<b><u>B. REPAIRING</u></b>																	
1	Labour for lowering and stacking after dismantling in parts R.S. joists, channels, angles, tees, plates etc.complete as directed.																
	(a) From 1st floor level	Qntl.	197	197	197	197	197	197	197	197	197	197	197	197	197	197	197

**SECTION 1. -----BUILDING WORKS**  
**(F) STRUCTURAL STEEL WORKS, GRILLS, GATES ETC.**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
	(b) Add extra for each addl. Floor	Qntl.	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	
2	Welding in M.S. structural work with gas or electric:																	
	(a) Tack weld	point	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	
	(b) Continuous weld.	cm run	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	
3	Renewing bottom rail or top runners of collapsible gate including mending good all damages.	Kg.	78	78	78	78	78	78	78	78	78	78	79	80	79	79	79	
4	Renewing haskal as per design or direction, including fitting and fixing same with necessary new bolts and nuts complete.	Kg.	76	76	76	76	76	76	76	76	76	76	77	79	77	77	77	
	(Payment to be made on weight of haskal and bolts and nuts)																	
5	Renewing doomney as per design or direction including cutting hole in masonry and fixing the doomney with cement concrete 1:3:6 with jhama chips.	Kg.	60	60	60	60	60	60	60	60	60	60	62	63	62	62	62	
	(payment to be made on weight of doomney, No separate pament will be made for cutting holes or fixing with concrete. )																	
6	Taking out heavy iron grated door or window (jail pattern or existing) with locking arrangement after cutting out from walls and refixing the same including mending all damages.[Mending charges to be paid separately]	Sq.M.	227	227	227	227	227	227	227	227	227	227	227	227	227	227	227	
7	Reparing collapsible gate by cutting out all rivets as necessary re- assambling all members including welding pieces of channels, sraightening bent bars and rivetting with new rivets and fitting in position and painting two coats.	Sq.M.	379	379	379	379	379	379	379	379	379	379	379	379	379	379	379	
8	Easing and oiling, cleaning collapsible gate and repairing to locking arrangements.	Sq.M.	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	
9	Easing and oiling, cleaning rolling shutters excluding repair to inside locks.	Sq.M.	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	
10	Easing and oiling W.I. Gate or G.I. Gate.	Sq.M.	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	

**SECTION 1. -----BUILDING WORKS**  
**(F) STRUCTURAL STEEL WORKS, GRILLS, GATES ETC.**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
11	Labour for taking out rolling shutter (only shutter portion) dismantling by parts for repair or (replacement of damaged parts only), rehangng and refitting the same in position after necessary repairs (excluding the cost of supply of new parts).	Sq.M.	283	283	283	283	283	283	283	283	283	283	283	283	283	283	283	
12	Renewing seam pipe for rolling shutter as per existing size and shape fitting, fixing complete.	Mtr.	210	210	210	210	210	210	210	210	210	210	210	210	210	210	210	
13	Renewing side split pin for seam pipe for rolling shutter.	Each	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	
14	Oiling and greasing of rolling shutter and repair to in side lock.	Sq.M.	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	
15	Renewing profile of rolling shutter including fitting fixing complete as per existing size and shape.	M.	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	
16	Renewing spring of rolling shutter as per existing size and shape including fitting fixing complete.	Each	609	609	609	609	609	609	609	609	609	609	609	609	609	609	609	
17	Taking out M.S. or W.I. Grills from wooden frame including cutting lugs from masonry wall and refitting the same and mending good damages after repairs. (Excluding the cost of necessary repair of damages) or doing any other necessary works.	Each	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	
18	Renewing bottom curved rail of M.S. flat with necessary clamps under the curved M.S.flats and fixing them after cutting holes with cement concrete (1:2:4) with stone chips and mending good damages to run smooth the heavy iron gated door or G.C.I. Sheet door or gate.																	
	(i) 50mm x 6 mm M.S. flat	Mtr.	258	258	258	258	258	258	258	258	258	258	261	265	261	261	261	
	(ii) 40 mm x 6 mm flat	Mtr.	227	227	227	227	227	227	227	227	227	227	229	232	229	229	229	
19	Renewing W.I. or M.S. wheel or roller of steel door or gate fitted and fixed with necessary clamps and nuts and bolts and erected complete.																	
	(i) Above 50 mm.	Each	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	
	(ii) below 50mm.	Each	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	

**SECTION 1. -----BUILDING WORKS**  
**(F) STRUCTURAL STEEL WORKS, GRILLS, GATES ETC.**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
20	Labour for taking out steel door and window frame for repairs and re-fixing the same (or replacement by new one) including mending good damages (excluding the cost of repair of damages) and applying a protective coat of paint.																	
	Upto one sq.m.area of frame.	Each	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	
21	Renewing steel plated or oxidised casement stay or peg stay of steel window frames including painting two coats with approved paint complete.	Each	70	71	71	71	71	71	71	71	71	71	71	71	71	71	71	
22	Repairing steel shutter with new rivets including taking out and refixing, adjusting, welding, cleaning cutting holes, mending good damage to match with the existing one.	Sq.M.	401	401	401	401	401	401	401	401	401	401	401	401	401	401	401	
23	Renewing M.S. members of steel shutters by welding including taking out the old, mending good damages complete, including taking out and refixing the glass panes.	Mtr.	211	211	211	211	211	211	211	211	211	211	215	220	215	215	215	
24	Easing, oiling and adjusting the steel shutters including scraping all members and fitting so as to make the shutters easily operable (no extra payment will be made for taking out and fixing glass, if necessary).	Pair	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	
	(Each means a pair of shutter in a frame)																	
25	Renewing knobs of steel window frames including fixing with steel casement by welding or riveting as directed including painting complete.	Each	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	
26	Renewing one point steel (oxidised) handle of steel door and windows as directed including painting complete.	Each	61	61	61	61	61	61	61	61	61	61	61	62	61	61	61	
27	Renewing two point steel plated or oxidised handle of steel doors and windows as directed including painting complete.	Each	66	66	66	66	66	66	66	66	66	66	66	67	66	66	66	
28	Renewing hinge of steel shutter including taking out old one by cutting and fixing new hinges by welding and mending good damages complete.	Each	190	190	190	190	190	190	190	190	190	190	190	192	190	190	190	

**SECTION 1. -----BUILDING WORKS**

**(G) WOOD AND PVC WORKS**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri,Alipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
	<b>NOTE:</b> (1)Without the specific permission of the Superintending Engineer no work involving 1st class best Indian teak and Siliguri: Sal wood should be carried out. (2) In case of using under specified timber in frame, shutter etc. penal rate of reduction to a maximum of 50% will be made in such under specified timber work.																	
	<b>A. DOOR WINDOW FRAME</b>																	
1	Wood work in door and window frame fitted and fixed in position complete including a protective coat of painting at the contact surface of the frame exluding cost of concrete, Iron Butt Hinges and M.S clamps. (The quantum should be correted upto three decimals).																	
	(a) 1st class Best Indian teak.	Cu.M	148544	134799	129513	129513	148544	129513	128456	128456	128456	128456	128456	134799	128456	128456	128456	
	(b) Ordinary teak.	Cu.M	113653	108367	97795	97795	113653	108367	97795	97795	103081	103081	103081	103081	103081	103081	103081	
	(c) Sal : Siliguri.	Cu.M	98112	87222	87222	87222	98112	87222	87222	87222	87222	85108	85108	81936	81936	81936	85108	
	(d) Sal : Local.	Cu.M	77671	72954	72954	72954	77671	72954	72954	72954	72954	72954	72954	72954	71907	71907	71907	
	(e) Sal : Malayasian	Cu.M	83218	75572	75572	75572	83218	75572	76096	76096	76096	76096	77666	-	-	-	-	
	(f) Sishu, Gamar, Champ, Badam, Bhola, Mogra, Hallak.	Cu.M	76096	71383	71383	71383	76096	71383	71383	71383	71383	71383	74001	74001	71383	71383	71383	
	(g) Kappoor	Cu.M	62482	62482	62482	62482	62482	62482	62482	62482	62482	62482	62482	61435	60388	60388	60388	
	(h) Neem, Jam, Jackfruits	Cu.M	56199	54104	54104	54104	56199	53057	53057	53057	53057	53057	53057	54104	50963	50963	50963	
	(i) Other Local Wood.	Cu.M	41538	36302	36302	36302	41538	36302	36302	36302	36302	36302	36302	36302	36826	36826	36826	
	<b>Note: Extra for Lifting Charges for each additional floor,</b> <b>i) Rs. 200/- per Cu.m (upto 4th floor)</b> <b>ii) Rs.250/-(above 4th floor)</b>																	
1A	Extra rate for Curved wood works in doors and window frame fitted and fixed complete over corresponding Items of Item No. 1. (In measuring such average length and average breadth to be taken into consideration, Thickness remaining constant). (The quantum should be corrected upto three decimals)	Cu.M	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	

**SECTION 1. -----BUILDING WORKS**

**(G) WOOD AND PVC WORKS**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
2	(A) Supplying fitting and fixing door frame with M.S. angle as per drawing & direction of required section.The holes for counter sunk machine screw & nuts will be such as to fit 8 to 10 mm Iron screw. The counter sunk nut to be welded . The nuts are to be welded after careful checking with screw.All welding spots should be properly filed or rounded smooth including cost of welding hinges for hinge cleats , lugs for hasp bolt, socket bolt etc. and necessary M.S. clamps of 25mm x 6mm flat 225mm long as per direction welded to the frame fitted and fixed in position excluding cost of concrete.	Kg.	79	79	79	79	79	79	79	79	79	79	79	79	79	79		
	Mode of measurement : Weight of frame shall be calculated for the M.S. sections of frames. Payment of butt hinges, clamps, hasp bolt, socket bolts, screws etc. will be paid separately. The weight of section should be calculated at 7.85 gm/Cu.cm																	
3	Supplying, fitting and fixing fibre reinforced polymer (FRP) Composite door frame as per approved section with glass fibre reinforced plastic moulded skins and a special sandwich core, so as to impart monolithic composite structure as per approved technology of Department of Science and Technology (DST) to satisfy IS: 4020 door testing performance criteria..																	
	(i) 66mm x 90mm	Mtr.	497	497	497	497	497	497	497	497	497	497	497	520	497	497	497	
	(ii) 66mm x 70mm	Mtr.	446	446	446	446	446	446	446	446	446	446	446	466	446	446	446	
4	Supplying, Fitting & Fixing Factory made P.V.C. door frame of size 50 mmx47 mm with a wall thickness of 5 mm, made out of extruded 5 mm, PVC sheet miter cut at two corners and joined with two nos of 1.5 mm long brackets of 15 mm x15 mm M.S. square tube. The two vertical door profiles are to be reinforced with 19 mmx 19 mm M.S. Square tube of 19 gauge, weather seal to be provided through out the frame. The door frame shall be fixed with the wall using 65/100 mm long M.S. Screws through the frame by using P.V.C fasteners. A minimum of 4 Nos of screws to be provided for each vertical member and minimum 2 Nos for horizontal member etc. complete as per Manufacturer's specification and direction of Engineer-in-Charge.	Mtr.	305	305	305	305	305	305	305	305	305	305	305	317	305	305	305	

**SECTION 1. -----BUILDING WORKS**

**(G) WOOD AND PVC WORKS**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri,Alipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
5	Supplying, Fitting & Fixing Factory made prelaminated P.V.C. door frame of size 50 mmx47 mm with a wall thickness of 5 mm, made out of extruded 5 mm Prelaminated PVC sheet miter cut at two corners and joined with two nos of 1.5 mm long brackets of 15 mm x15 mm M.S. square tube. The two vertical door profiles are to be reinforced with 19 mmx 19 mm M.S. Square tube of 19 gauge, weather seal to be provided through out the frame. The door frame shall be fixed with the wall using 65/100 mm M.S. Screws through the frame by using P.V.C fasteners. A minimum of 4 Nos of screws to be provided for each vertical member and minimum 2 Nos for horizontal member etc. complete as per Manufacturer's specification and direction of Engineer-in-Charge.	Mtr.	385	385	385	385	385	385	385	385	385	385	385	401	385	385	385	
6	Providing and fixing factory made door frame (single rebate) made of single piece extruded solid PVC profile with homogenous fine cellular structure having smooth outer integral skin having 62mm width x 32 mm thickness (the door frame is to be made with single piece extruded solid pvc profile whereas no sheet pasted profile shall be applied for door frame fabrication) and shall be fixed to wall as per instructions of Engineer – in – charge using 100 x 8 sheet metal CSK screws.	Mtr.	483	483	483	483	483	483	483	483	483	483	483	483	483	483	483	
7	Providing and fixing PVC Door Frame of size 50x47mm with a wall thickness of 5mm (± 0.2 mm) made out of single piece extruded PVC profile, with mitred cut joint sand joint with 2 nos. of PVC bracket of size 190 mm x 100 mm long arms of cross section size 35 mm x 15 mm & self driven self tapping screws, the vertical door profiles to be reinforced with 40x20mm M.S. rectangular tube of 0.8 mm , including providing EPDM rubber gasket weather seal throughout the frame, including jointing 5 mm PVC frame strip with PVC solvent cement on the back of the profile. The doorframe to be fixed to the wall using 8 x100mm long anchor fasteners complete, all as per manufacturer's specification and direction of Engineer -in- charge.	Mtr.	445	445	445	445	445	445	445	445	445	445	445	445	445	445	445	



**SECTION 1. -----BUILDING WORKS**

**(G) WOOD AND PVC WORKS**

Item No.	Description of Items	Unit	Rate (Rs.)														REMARKS	
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri,Alipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS		Uttar/ Dakshin Dinajpur Dist.
8	Supplying fitting and fixing in position approved P.V.C. door frame (Matt finish) made of extruded P.V.C. multichamber hollow section having dimensions 60mm x 50mm x 2mm (+/-0.2mm), horizontal section will be joined with vertical section by galvanised steel screws after inserting two number steel brackets as reinforcement making suitable space for placing hinges, one steel tube 40mm x 20mm x 1.20 mm will be inserted on one full vertical side of the frame (hinge side) as reinforcement, the frame will then be fixed in the opening with the help of P.V.C. expandable fastner/wooden gutties and galvanised steel screws including cost of all materials and labour, hire charges of tools and appliances, carriage of all materials, taxes and all other incidental charges complete.	Mtr.	279	279	279	279	279	279	279	279	279	279	279	285	279	279	279	
	<b><u>B. DOOR WINDOW SHUTTER</u></b>																	
1	Panel shutters of door and window, as per design (each panel consisting of single plank without joint), including fitting and fixing the same in position but excluding the cost of hinge and other fittings. In ground floor. (In case of non-supply of single plank, penal rate of reduction of 20% will be made)																	
	<b>(i) 50mm thick shutters with 25mm thick panel of size 30 to 45 cm</b>																	
	(a) 1st class best Indian teak.	Sq.M	7241	6589	6338	6338	7241	6338	6288	6288	6288	6288	6288	6589	6288	6288	6288	
	(b) Ordinary teak wood.	Sq.M	5586	5336	4835	4835	5586	5336	4835	4835	5085	5085	5085	5085	5085	5085	5085	
	<b>(ii) 40mm thick shutters with 19mm thick panel of size 30 to 45 cm</b>																	
	(a) Ordinary Teak Wood.	Sq.M	4542	4345	3952	3952	4542	4345	3952	3952	4149	4149	4149	4149	4149	4149	4149	
	(b) Sishu, Gamar, Champ,Badam,Bhola, Mogra, Hallak.	Sq.M	3143	2968	2968	2968	3143	2968	2968	2968	2968	2968	2968	3065	2968	2968	2968	
	(c) Other Local Wood.	Sq.M	1856	1661	1661	1661	1856	1661	1661	1661	1661	1661	1661	1661	1681	1681	1681	
	<b>(iii) 35mm thick shutters with 19mm thick panel of size 30 to 45 cm.</b>																	
	(a) Ordinary Teak Wood.	Sq.M	4220	4041	3683	3683	4220	4041	3683	3683	3862	3862	3862	3862	3862	3862	3862	
	(b) Sishu, Gamar, Champ,Badam,Bhola, Mogra, Hallak.	Sq.M	2948	2789	2789	2789	2948	2789	2789	2789	2789	2789	2789	2877	2789	2789	2789	
	(c) Other Local Wood.	Sq.M	1778	1601	1601	1601	1778	1601	1601	1601	1601	1601	1601	1601	1619	1619	1619	

**SECTION 1. -----BUILDING WORKS**

**(G) WOOD AND PVC WORKS**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri,Alipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
	(iv) 25mm thick shutters with 12mm thick panel of size 30 to 45 cm.																	
	(a) Ordinary Teak Wood.	Sq.M	3133	3010	2764	2764	3133	3010	2764	2764	2887	2887	2887	2887	2887	2887	2887	
	(b) Sishu, Gamar, Champ,Badam,Bhola, Mogra, Hallak.	Sq.M	2259	2149	2149	2149	2259	2149	2149	2149	2149	2149	2149	2210	2149	2149	2149	
	(c) Other Local Wood.	Sq.M	1454	1332	1332	1332	1454	1332	1332	1332	1332	1332	1332	1332	1345	1345	1345	
	Note: i) Lifting Charges for upper floors refer item H (2).																	
	(ii) In case of panel with Rly. Type batton the rates will be reduced by Rs.20.00 /Sq.m.)																	
2	Venetian shutters of doors and windows as per design with valves fixed to valve and rod with plated hooks including cost of plated hooks and fitting, fixing shutters in position but excluding the cost of hinges and other fittings. In ground floor:																	
	(i) 50mm thick shutters with 19mm thick panel.																	
	(a) 1st class best Indian teak.	Sq.M	8155	7528	7286	7286	8155	7286	7238	7238	7238	7238	7238	7528	7238	7238	7238	
	(b) Ordinary teak.	Sq.M	6776	6535	6053	6053	6776	6535	6053	6053	6294	6294	6294	6294	6294	6294	6294	
	(ii) 35mm thick shutters with 12mm thick panel.																	
	(a) Ordinary Teak Wood.	Sq.M	5392	5227	4899	4899	5392	5227	4899	4899	5063	5063	5063	5063	5063	5063	5063	
	(b) Sishu, Gamar, Champ,Badam,Bhola, Mogra, Hallak.	Sq.M	4224	4078	4078	4078	4224	4078	4078	4078	4078	4078	4078	4159	4078	4078	4078	
	(c) Other Local Wood.	Sq.M	3150	2987	2987	2987	3150	2987	2987	2987	2987	2987	2987	2987	3004	3004	3004	
	Note: Lifting Charges for upper floors refer item H (2).																	
3	Fixed louver shutters of doors and windows as per design, including fitting & fixing same in position but excluding the cost of hinges and other fittings in ground floor.																	
	(i) 50mm thick shutters with 19mm thick valve.																	
	(a) 1st class best Indian teak.	Sq.M	7599	6999	6768	6768	7599	6768	6722	6722	6722	6722	6722	6999	6722	6722	6722	
	(b) Ordinary teak.	Sq.M	6076	5845	5384	5384	6076	5845	5384	5384	5615	5615	5615	5615	5615	5615	5615	
	(ii) 40mm thick shutters with 12mm thick valve.																	
	(a) Ordinary Teak Wood.	Sq.M	5069	4894	4545	4545	5069	4894	4545	4545	4720	4720	4720	4720	4720	4720	4720	
	(b) Sishu, Gamar, Champ,Badam,Bhola, Mogra, Hallak.	Sq.M	3827	3671	3671	3671	3827	3671	3671	3671	3671	3671	3671	3758	3671	3671	3671	

**SECTION 1. -----BUILDING WORKS**

**(G) WOOD AND PVC WORKS**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purdia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri,Alipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
	(c) Other Local Wood.	Sq.M	2684	2511	2511	2511	2684	2511	2511	2511	2511	2511	2511	2511	2529	2529	2529	
	(iii) 35mm thick shutters with 12mm thick valve.																	
	(a) Ordinary Teak Wood.	Sq.M	4692	4538	4230	4230	4692	4538	4230	4230	4384	4384	4384	4384	4384	4384	4384	
	(b) Sishu, Gamar, Champ,Badam,Bhola, Mogra, Hallak.	Sq.M	3599	3462	3462	3462	3599	3462	3462	3462	3462	3462	3462	3538	3462	3462	3462	
	(c) Other Local Wood.	Sq.M	2593	2441	2441	2441	2593	2441	2441	2441	2441	2441	2441	2441	2456	2456	2456	
	(iv) 25mm thick shutters with 12mm thick valve.																	
	(a) Ordinary Teak Wood.	Sq.M	3820	3701	3464	3464	3820	3701	3464	3464	3582	3582	3582	3582	3582	3582	3582	
	(b) Sishu, Gamar, Champ,Badam,Bhola, Mogra, Hallak.	Sq.M	2976	2870	2870	2870	2976	2870	2870	2870	2870	2870	2870	2928	2870	2870	2870	
	(c) Other Local Wood.	Sq.M	2198	2081	2081	2081	2198	2081	2081	2081	2081	2081	2081	2081	2093	2093	2093	
	<b>Note: Lifting Charges for upper floors refer item H (2).</b>																	
4	Glazed shutters of doors, windows, fan light, clerestory windows etc. as per design (with ordinary glass of 7.4kg./sq.m. 3mm. Thick) fitted with putty bed and teak wood bead and nails including fitting and fixing shutter in position but excluding the cost of hinges and other fittings. cost of glass, putty, wooded beads etc.will be paid separately. In ground floor.																	
	(i) 40mm thick shutters.																	
	(a) Ordinary Teak Wood.	Sq.M	3854	3718	3446	3446	3854	3718	3446	3446	3582	3582	3582	3582	3582	3582	3582	
	(b) Sishu, Gamar, Champ,Badam,Bhola, Mogra, Hallak.	Sq.M	2887	2765	2765	2765	2887	2765	2765	2765	2765	2765	2765	2833	2765	2765	2765	
	(c) Other Local Wood.	Sq.M	1997	1862	1862	1862	1997	1862	1862	1862	1862	1862	1862	1862	1875	1875	1875	
	(ii) 35mm thick shutters.																	
	(a) Ordinary Teak Wood.	Sq.M	3632	3508	3260	3260	3632	3508	3260	3260	3384	3384	3384	3384	3384	3384	3384	
	(b) Sishu, Gamar, Champ,Badam,Bhola, Mogra, Hallak.	Sq.M	2752	2642	2642	2642	2752	2642	2642	2642	2642	2642	2642	2703	2642	2642	2642	
	(c) Other Local Wood.	Sq.M	1943	1820	1820	1820	1943	1820	1820	1820	1820	1820	1820	1820	1832	1832	1832	
	(iii) 25mm thick shutters.																	
	(a) Ordinary Teak Wood.	Sq.M	2963	2876	2703	2703	2963	2876	2703	2703	2790	2790	2790	2790	2790	2790	2790	
	(b) Sishu, Gamar, Champ,Badam,Bhola, Mogra, Hallak.	Sq.M	2347	2270	2270	2270	2347	2270	2270	2270	2270	2270	2270	2313	2270	2270	2270	
	(c) Other Local Wood.	Sq.M	1781	1695	1695	1695	1781	1695	1695	1695	1695	1695	1695	1695	1704	1704	1704	

**SECTION 1. -----BUILDING WORKS**

**(G) WOOD AND PVC WORKS**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri,Alipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
	<b>Note: i) Lifting Charges for upper floors refer item H (2).</b>																	
5	Glazed shutters of doors, as per design with sheet glass of 5.0mm thick beded in putty and fitted with teak bead and nails (the styles 150mm wide, top & bottm rail 200mm wide if not otherwise mentioned) including fitting and fixing shutters in position but excluding the cost of glass , putty , teak bead, nails, hinges etc. and other fittings, in ground floor.																	
	<b>50mm Thick shutters</b>																	
	(a) 1st class best Indian teak.	Sq.M	4462	4073	3924	3924	4462	3924	3894	3894	3894	3894	3894	4073	3894	3894	3894	
	(b) Ordinary Teak Wood.	Sq.M	3472	3322	3023	3023	3472	3322	3023	3023	3172	3172	3172	3172	3172	3172	3172	
	<b>Note: i) Lifting Charges for upper floors refer item H (2).</b>																	
	<b>ii) In case of panel with Rly. Type battens the rate will be reduced by Rs. 10.00 per sq.m.)</b>																	
6	Shutter of 1/3rd panel, 2/3 glazed of doors and windows, as per design (each panel consisting of a single plank without joint and with ordinary glass of 7.4 kg per Sq.m/3mm Thick) fitted with putty bed, teak wood bead and nails including fitting and fixing shutters in position but excluding the cost of glass , putty , teak bead, nails, hinges etc. and other fittings, in ground floor.																	
	<b>(i) 50mm thick shutters with 25mm thick panel.</b>																	
	(a) 1st class best Indian teak.	Sq.M	6561	6004	5791	5791	6561	5791	5748	5748	5748	5748	5748	6004	5748	5748	5748	
	(b) Ordinary teak.	Sq.M	5149	4935	4507	4507	5149	4935	4507	4507	4721	4721	4721	4721	4721	4721	4721	
	<b>(ii) 40mm thick shutters with 19mm thick panel.</b>																	
	(a) Ordinary Teak Wood.	Sq.M	4288	4122	3789	3789	4288	4122	3789	3789	3955	3955	3955	3955	3955	3955	3955	
	(b) Sishu, Gamar, Champ, Badam, Bhola, Mogra, Hallak.	Sq.M	3107	2959	2959	2959	3107	2959	2959	2959	2959	2959	2959	3041	2959	2959	2959	
	(c) Other Local Wood.	Sq.M	2021	1857	1857	1857	2021	1857	1857	1857	1857	1857	1857	1857	1873	1873	1873	
	<b>(iii) 35mm thick shutters with 19mm thick panel.</b>																	
	(a) Ordinary Teak Wood.	Sq.M	3925	3779	3487	3487	3925	3779	3487	3487	3633	3633	3633	3633	3633	3633	3633	
	(b) Sishu, Gamar, Champ, Badam, Bhola, Mogra, Hallak.	Sq.M	2888	2758	2758	2758	2888	2758	2758	2758	2758	2758	2758	2830	2758	2758	2758	
	(c) Other Local Wood.	Sq.M	1933	1789	1789	1789	1933	1789	1789	1789	1789	1789	1789	1789	1803	1803	1803	
	<b>(iv) 25mm thick shutters with 12mm thick panel.</b>																	

**SECTION 1. -----BUILDING WORKS**

**(G) WOOD AND PVC WORKS**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purdia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri,Alipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
	(a) Ordinary Teak Wood.	Sq.M	3031	2925	2713	2713	3031	2925	2713	2713	2819	2819	2819	2819	2819	2819	2819	
	(b) Sishu, Gamar, Champ, Badam, Bhola, Mogra, Hallak.	Sq.M	2279	2185	2185	2185	2279	2185	2185	2185	2185	2185	2185	2237	2185	2185	2185	
	(c) Other Local Wood.	Sq.M	1588	1483	1483	1483	1588	1483	1483	1483	1483	1483	1483	1483	1494	1494	1494	
	<b>Note: i) Lifting Charges for upper floors refer item H (2).</b>																	
7	Shutters of 2/3rd panel and 1/3rd glazed of doors and windows as per design (each panel consisting of a single plank without joint and with ordinary glass of 7.4kg. Per sq.m./3mm thick) fitted with putty bed and teak wood beads and nails including fitting and fixing shutters in position but excluding the cost of glass, putty, teak bead, nails, hinges etc. and other fittings, in ground floor.																	
	<b>(i) 50mm. Thick shutters with 25mm thick panel.</b>																	
	(a) 1st class best Indian teak.	Sq.M	7143	6535	6301	6301	7143	6301	6254	6254	6254	6254	6254	6535	6254	6254	6254	
	(b) Ordinary teak.	Sq.M	5595	5361	4893	4893	5595	5361	4893	4893	5127	5127	5127	5127	5127	5127	5127	
	<b>(ii) 40mm thick shutters with 19mm thick panel.</b>																	
	(a) Ordinary Teak Wood.	Sq.M	4734	4548	4176	4176	4734	4548	4176	4176	4362	4362	4362	4362	4362	4362	4362	
	(b) Sishu, Gamar, Champ, Badam, Bhola, Mogra, Hallak.	Sq.M	3414	3248	3248	3248	3414	3248	3248	3248	3248	3248	3248	3340	3248	3248	3248	
	(c) Other Local Wood.	Sq.M	2196	2012	2012	2012	2196	2012	2012	2012	2012	2012	2012	2012	2030	2030	2030	
	<b>(iii) 35mm thick shutters with 19mm thick panel.</b>																	
	(a) Ordinary Teak Wood.	Sq.M	4375	4209	3876	3876	4375	4209	3876	3876	4043	4043	4043	4043	4043	4043	4043	
	(b) Sishu, Gamar, Champ, Badam, Bhola, Mogra, Hallak.	Sq.M	3194	3046	3046	3046	3194	3046	3046	3046	3046	3046	3046	3129	3046	3046	3046	
	(c) Other Local Wood.	Sq.M	2105	1941	1941	1941	2105	1941	1941	1941	1941	1941	1941	1941	1957	1957	1957	
	<b>(iv) 25mm thick shutters with 12mm thick panel.</b>																	
	(a) Ordinary Teak Wood.	Sq.M	3381	3266	3034	3034	3381	3266	3034	3034	3150	3150	3150	3150	3150	3150	3150	
	(b) Sishu, Gamar, Champ, Badam, Bhola, Mogra, Hallak.	Sq.M	2559	2455	2455	2455	2559	2455	2455	2455	2455	2455	2455	2513	2455	2455	2455	
	(c) Other Local Wood.	Sq.M	1799	1684	1684	1684	1799	1684	1684	1684	1684	1684	1684	1684	1696	1696	1696	
	<b>Note: i) Lifting Charges for upper floors refer item H (2).</b>																	
	<b>(ii) In case of panel with Rly. Type battens the rate will be reduced by Rs. 12.00 per Sq.m]</b>																	

**SECTION 1. -----BUILDING WORKS**  
**(G) WOOD AND PVC WORKS**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri,Alipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
8	Shutter of 1/3rd fixed louvered, 2/3rd glazed of doors as per design (with ordinary glass of 7.4kg per sq.m./3mm. Thick) fixed with putty bed, teak wood beads and nails including fitting and fixing shutters in position but excluding the cost of glass, putty, teak bead, nails, hinges etc. and other fittings, in ground floor.																	
	<b>(i) 50mm thick shutters with 19mm thick valve.</b>																	
	(a) 1st class best Indian teak.	Sq.M	5928	5447	5262	5262	5928	5262	5225	5225	5225	5225	5225	5447	5225	5225	5225	
	(b) Ordinary teak.	Sq.M	4707	4522	4152	4152	4707	4522	4152	4152	4337	4337	4337	4337	4337	4337	4337	
	<b>(ii) 40mm thick shutters with 12mm thick valve.</b>																	
	(a) Ordinary Teak Wood.	Sq.M	3990	3845	3555	3555	3990	3845	3555	3555	3700	3700	3700	3700	3700	3700	3700	
	(b) Sishu, Gamar, Champ, Badam, Bhola, Mogra, Hallak.	Sq.M	2959	2829	2829	2829	2959	2829	2829	2829	2829	2829	2829	2901	2829	2829	2829	
	(c) Other Local Wood.	Sq.M	2007	1863	1863	1863	2007	1863	1863	1863	1863	1863	1863	1863	1878	1878	1878	
	<b>(iii) 35mm thick shutters with 12mm thick valve.</b>																	
	(a) Ordinary Teak Wood.	Sq.M	3522	3398	3149	3149	3522	3398	3149	3149	3273	3273	3273	3273	3273	3273	3273	
	(b) Sishu, Gamar, Champ, Badam, Bhola, Mogra, Hallak.	Sq.M	2640	2529	2529	2529	2640	2529	2529	2529	2529	2529	2529	2591	2529	2529	2529	
	(c) Other Local Wood.	Sq.M	1826	1703	1703	1703	1826	1703	1703	1703	1703	1703	1703	1703	1715	1715	1715	
	<b>(iv) 25mm thick shutters with 12mm thick valve.</b>																	
	(a) Ordinary Teak Wood.	Sq.M	2897	2803	2616	2616	2897	2803	2616	2616	2710	2710	2710	2710	2710	2710	2710	
	(b) Sishu, Gamar, Champ, Badam, Bhola, Mogra, Hallak.	Sq.M	2232	2148	2148	2148	2232	2148	2148	2148	2148	2148	2148	2194	2148	2148	2148	
	(c) Other Local Wood.	Sq.M	1619	1526	1526	1526	1619	1526	1526	1526	1526	1526	1526	1526	1536	1536	1536	
	<b>Note: i) Lifting Charges for upper floors refer item H (2).</b>																	
9	Shutters 2/3 fixed louvered, 1/3rd glazed of doors and windows as per design (with ordinary glass of 7.4kg. Per sq.m./3mm. Thick) fitted with putty beds, teak wood beads and nails including fitting and fixing shutters in position but excluding the cost of glass, putty, teak bead, nails, hinges etc. and other fittings, in ground floor.																	
	<b>(i) 50mm thick shutters with 19mm thick valve.</b>																	
	(a) 1st class best Indian teak.	Sq.M	6551	6021	5817	5817	6551	5817	5777	5777	5777	5777	5777	6021	5777	5777	5777	
	(b) Ordinary Teak.	Sq.M	5206	5003	4595	4595	5206	5003	4595	4595	4799	4799	4799	4799	4799	4799	4799	
	<b>(ii) 40mm thick shutters with 12mm thick valve.</b>																	

**SECTION 1. -----BUILDING WORKS**

**(G) WOOD AND PVC WORKS**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
	(a) Ordinary Teak Wood.	Sq.M	4363	4206	3893	3893	4363	4206	3893	3893	4049	4049	4049	4049	4049	4049	4049	
	(b) Sishu, Gamar, Champ, Badam, Bhola, Mogra, Hallak.	Sq.M	3249	3109	3109	3109	3249	3109	3109	3109	3109	3109	3109	3186	3109	3109	3109	
	(c) Other Local Wood.	Sq.M	2223	2068	2068	2068	2223	2068	2068	2068	2068	2068	2068	2068	2083	2083	2083	
	<b>(iii) 35mm thick shutters with 12mm thick valve.</b>																	
	(a) Ordinary Teak Wood.	Sq.M	4026	3888	3612	3612	4026	3888	3612	3612	3750	3750	3750	3750	3750	3750	3750	
	(b) Sishu, Gamar, Champ, Badam, Bhola, Mogra, Hallak.	Sq.M	3044	2921	2921	2921	3044	2921	2921	2921	2921	2921	2921	2990	2921	2921	2921	
	(c) Other Local Wood.	Sq.M	2141	2004	2004	2004	2141	2004	2004	2004	2004	2004	2004	2004	2018	2018	2018	
	<b>(iv) 25mm thick shutters with 12mm thick valve.</b>																	
	(a) Ordinary Teak Wood.	Sq.M	3182	3076	2866	2866	3182	3076	2866	2866	2971	2971	2971	2971	2971	2971	2971	
	(b) Sishu, Gamar, Champ, Badam, Bhola, Mogra, Hallak.	Sq.M	2433	2339	2339	2339	2433	2339	2339	2339	2339	2339	2339	2391	2339	2339	2339	
	(c) Other Local Wood.	Sq.M	1744	1640	1640	1640	1744	1640	1640	1640	1640	1640	1640	1640	1650	1650	1650	
	<b>Note: i) Lifting Charges for upper floors refer item H (2).</b>																	
10	Z-batten shutters of door and window as per design having tongued and groove-half lap jointed as per direction of the Engineer-in-Charge including fitting and fixing shutter in position, but excluding the cost of hinges and other fittings in ground floor.																	
	<b>(A) Shutter with 25mm thick planks, 19mm thick battens.</b>																	
	(i) Sal : Local.	Sq.M	3197	3031	3031	3031	3197	3031	3031	3031	3031	3031	3031	3031	2994	2994	2994	
	(ii) Sal : Malayasian	Sq.M	3393	3123	3123	3123	3393	3123	3142	3142	3142	3142	3197	-	-	-	-	
	(iii) Sishu, Gamar, Champ, Badam, Bhola, Morga, Hallak.	Sq.M	2750	2616	2616	2616	2750	2616	2616	2616	2616	2616	2616	2690	2616	2616	2616	
	(iv) Other Local Wood	Sq.M	1924	1739	1739	1739	1924	1739	1739	1739	1739	1739	1739	1739	1758	1758	1758	
	<b>(B) Shutter with 19mm thick planks, 19mm thick battens.</b>																	
	(i) Sal : Local.	Sq.M	2795	2661	2661	2661	2795	2661	2661	2661	2661	2661	2661	2661	2631	2631	2631	
	(ii) Sal : Malayasian	Sq.M	2953	2735	2735	2735	2953	2735	2750	2750	2750	2750	2795	-	-	-	-	
	(iii) Sishu, Gamar, Champ, Badam, Bhola, Morga, Hallak.	Sq.M	2750	2616	2616	2616	2750	2616	2616	2616	2616	2616	2616	2690	2616	2616	2616	
	(iv) Other Local Wood	Sq.M	1767	1618	1618	1618	1767	1618	1618	1618	1618	1618	1618	1618	1633	1633	1633	
	<b>Note: i) Lifting Charges for upper floors refer item H (2).</b>																	

**SECTION 1. -----BUILDING WORKS**  
**(G) WOOD AND PVC WORKS**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri,Alipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
11	Supplying solid flush type doors of commercial quality, the timber frame consisting of top and bottom rails and side styles of well seasoned timber 65mm wide each and the entire frame fitted with 37.5mm wide battens places both ways in order to make the door of solid core and internal lipping with Garjan or similar wood veneers using phenol formaldehyde as glue etc. complete, including fitting, fixing shutters in position but excluding the cost of hinges and other fittings in ground floor.																	
	(a) 35 mm thick shutters (single leaf)	Sq.M.	2659	2659	2659	2659	2659	2659	2659	2659	2659	2659	2659	3405	2659	2659	2659	
	(b) 32 mm thick shutters (single leaf)	Sq.M.	2359	2359	2359	2359	2359	2359	2359	2359	2359	2359	2359	3016	2359	2359	2359	
	(For upper floors refer to item H(4) also)																	
12	Supplying solid flush type doors of deluxe decorative (both side) quality, conforming to I:S 2202 timber frame consisting of top and bottom rail and side styles of well seasoned timber 65mm wide each and the entire frame fitted with 27.5mm wide battens places both ways in order to made the door of solid core and internal lipping with teak, mahogany or rose wood approved decorative veneers using phenol formaldehyde as glue etc. complete, including fitting, fixing the shutters in position but excluding the cost of hinges and other fittings in ground floor:																	
	(a) 35mm thick shutters (single leaf)	Sq.M.	3955	3955	3955	3955	3955	3955	3955	3955	3955	3955	3955	4334	3955	3955	3955	
	(b) 25mm thick shutters (single leaf)	Sq.M.	3783	3783	3783	3783	3783	3783	3783	3783	3783	3783	3783	4144	3783	3783	3783	
	(For upper floors refer to item H(4) also)																	
13	Extra over item No. B (11,12) for providing:																	
	(a) Vision aperture (round or retangular in shape) with 7.4kg. Per sq.m./ 3mm thick glass pane with wooden beads. (Cost of glass panes and wooden beads will be paid separately).	Each	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	
	(b) Rabbet cutting in shutters[Note: Mode of measurement-Measurement shall be made on the basis of area of shutter]	Sq.M.	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	
	(c) Double leaf shutters[Note: Mode of measurement-Measurement shall be made on the basis of area of shutter]	Sq.M.	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	
	(For upper floors refer to item H(4) also)																	



**SECTION 1. -----BUILDING WORKS**

**(G) WOOD AND PVC WORKS**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalinpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
14	Supplying, fitting & fixing fibre reinforced polymer (FRP) Composite door shutters as per approved design with glass fibre reinforced plastic moulded skins and a special sandwich core, so as to impart monolithic composite structure as per approved technology of Department of Science and Technology (DST) to satisfy IS:4020 door testing performance criteria. In ground floor.																	
	(i) 32 mm thick	Sq.m	2763	2763	2763	2763	2763	2763	2763	2763	2763	2763	2763	2892	2763	2763	2763	
	(ii) 25 mm thick	Sq.m	2581	2581	2581	2581	2581	2581	2581	2581	2581	2581	2581	2701	2581	2581	2581	
	(For upper floors refer to item H(4) also)																	
15	Supplying, Fitting & Fixing 30 mm thick Factory made solid Panel PVC Door Shutter consisting of outer frame made out of M.S. tubes of 19 gauge thickness and size 19 mmx19 mm for styles, top and bottom rails, M.S. frame shall have cost of steel primers of approved make and manufacture, M.S. frame covered with 5 mm th. heat moulded PVC “C” channel of size 30 mm th, 70 mm width out of which 50 mm shall be flat and 20 mm shall be tapered in 45 degree angle on either sides forming styles; and 5 mm th. 95 mm wide PVC sheet out of which 75 mm shall be flat and 20 mm tapered in 45 degree on the inner side to form top & bottom rail and 115 mm wide PVC sheet out of which 75mm shall be flat and 20 mm shall be tapered on both sides to form lock rail. Top, bottom and lock rails shall be provided either side of the panel with 10 mm (5 mmx2) th.,20 mm wide cross PVC sheet as gap insert for top rail and bottom rail. Paneling of 5 mm th. both side PVC sheet to be fitted in the M.S. frame welded/sealed to the styles & rails with 7 mm (5 mm+2 mm) th.x15 mm wide PVC sheet beading on inner side and joined together with solvent cement adhesive. An additional 5 mm th. PVC strip of 20 mm which is to be stuck on the interior side of the “C” channel using PVC solvent adhesive etc. complete excluding all necessary hardwares as per direction of Engineer-in-Charge. In ground floor.	Sq.m	1943	1943	1943	1943	1943	1943	1943	1943	1943	1943	2029	1943	1943	1943		

**SECTION 1. -----BUILDING WORKS**

**(G) WOOD AND PVC WORKS**

Item No.	Description of Items	Unit	Rate (Rs.)														REMARKS	
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri,Alipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS		Uttar/ Dakshin Dinajpur Dist.
16	Supplying, Fitting & Fixing 30 mm thick both side prelaminated Factory made solid Panel PVC Door Shutter consisting of outer frame made out of M.S. tubes of 19 gauge thickness and size 19 mmx19 mm for styles, top and bottom rails, M.S. frame shall have cost of steel primers of approved make and manufacture, M.S. frame covered with 5 mm th. heat moulded PVC “C” channel of size 30 mm th, 70 mm width out of which 50 mm shall be flat and 20 mm shall be tapered in 45 degree angle on either sides forming styles; and 5 mm th. 95 mm wide PVC sheet out of which 75 mm shall be flat and 20 mm tapered in 45 degree on the inner side to form top & bottom rail and 115 mm wide PVC sheet out of which 75mm shall be flat and 20 mm shall be tapered on both sides to form lock rail. Top, bottom and lock rails shall be provided either side of the panel with 10 mm (5 mmx2) th.,20 mm wide cross PVC sheet as gap insert for top rail and bottom rail sheet to be fitted in the M.S. frame welded/sealed to the styles &rails with 7 mm (5 mm+2 mm) th.x15 mm wide PVC sheet beading on inner side and joined together with solvent cement adhesive. An additional 5 mm th. PVC strip of 20 mm which is to be stuck on the interior side of the “C” channel using PVC solvent adhesive etc. complete excluding all necessary hardwares as per direction of Engineer-in-Charge.	Sq.m	2438	2438	2438	2438	2438	2438	2438	2438	2438	2438	2438	2549	2438	2438	2438	

**SECTION 1. -----BUILDING WORKS**

**(G) WOOD AND PVC WORKS**

Item No.	Description of Items	Unit	Rate (Rs.)														REMARKS	
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri,Alipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS		Uttar/ Dakshin Dinajpur Dist.
17	Supplying, Fitting & Fixing 30 mm thick Double Leaf Factory made solid Panel PVC Door Shutter consisting of outer frame made out of M.S. tubes of 19 gauge thickness and size 19 mmx19 mm for styles, top and bottom rails, M.S. frame shall have cost of steel primers of approved make and manufacture, M.S. frame covered with 5 mm th. heat moulded PVC “C” channel of size 30 mm th, 70 mm width out of which 50 mm shall be flat and 20 mm shall be tapered in 45 degree angle on either sides forming styles; and 5 mm th. 95 mm wide PVC sheet out of which 75 mm shall be flat and 20 mm tapered in 45 degree on the inner side to form top & bottom rail and 115 mm wide PVC sheet out of which 75mm shall be flat and 20 mm shall be tapered on both sides to form lock rail. Top, bottom and lock rails shall be provided either side of the panel with 10 mm (5 mmx2) th.,20 mm wide cross PVC sheet as gap insert for top rail and bottom rail. Paneling of 5 mm th. both side PVC sheet to be fitted in the M.S. frame welded/sealed to the styles &rails with 7 mm (5 mm+2 mm) th.x15 mm wide PVC sheet beading on inner side and joined together with solvent cement adhesive. An additional 5 mm th. PVC strip of 20 mm which is to be stuck on the interior side of the “C” channel using PVC solvent adhesive etc. complete excluding all necessary hardwares as per direction of Engineer-in-Charge. In ground floor.	Sq.m	2278	2278	2278	2278	2278	2278	2278	2278	2278	2278	2278	2381	2278	2278	2278	

**SECTION 1. -----BUILDING WORKS**

**(G) WOOD AND PVC WORKS**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
18	Supplying, Fitting & Fixing 30 mm thick thick both side prelaminated Double Leaf Factory made solid Panel PVC Door Shutter consisting of outer frame made out of M.S. tubes of 19 gauge thickness and size 19 mmx19 mm for styles, top and bottom rails, M.S. frame shall have cost of steel primers of approved make and manufacture, M.S. frame covered with 5 mm th. heat moulded PVC “C” channel of size 30 mm th, 70 mm width out of which 50 mm shall be flat and 20 mm shall be tapered in 45 degree angle on either sides forming styles; and 5 mm th. 95 mm wide PVC sheet out of which 75 mm shall be flat and 20 mm tapered in 45 degree on the inner side to form top & bottom rail and 115 mm wide PVC sheet out of which 75mm shall be flat and 20 mm shall be tapered on both sides to form lock rail. Top, bottom and lock rails shall be provided either side of the panel with 10 mm (5 mmx2) th.,20 mm wide cross PVC sheet as gap insert for top rail and bottom rail. Paneling of 5 mm th. both side PVC sheet to be fitted in the M.S. frame welded/sealed to the styles &rails with 7 mm (5 mm+2 mm) th.x15 mm wide PVC sheet beading on inner side and joined together with solvent cement adhesive. An additional 5 mm th. PVC strip of 20 mm which is to be stuck on the interior side of the “C” channel using PVC solvent adhesive etc. complete excluding all necessary hardwares as per direction of Engineer-in-Charge. In ground floor.	Sq.m	2714	2714	2714	2714	2714	2714	2714	2714	2714	2714	2714	2839	2714	2714	2714	
	(For upper floors refer to item H(4) for items 16, 17, 18 & 19 under sub-head B )																	
19	Supplying, fitting & fixing factory made foam PVC (density shall not be less than 600 kg/cum) door frame (finished weight of 2.73 kg/mtr.) of size 100mm X 45mm made off with 5mm thick extruded foam PVC sheet, mitre cut at junction of horizontal and vertical member and joined them by heat welding. Entire door frame profiles to be reinforced with steel primer coated 19 SWG 40mm X 20mm M.S. tube. An additional 5mm thick PVC sheet with desired colour/shade to be provided at the exposed surface and three nos 5mm thick PVC sheet to be provided as gap insert. The door frame to be fixed with wall by using 8mm dia. and 100mm long strainless steel screws and PVC fasteners. A minimum of 4 nos. screws to be provided for each vertical member & 2 nos. for horizontal member all complete as per direction of Engineer-in-Charge.																	
	(a) Plain Colour.	Mtr.	516	516	516	516	516	516	516	516	201	516	516	516	516	516	516	

**SECTION 1. -----BUILDING WORKS**

**(G) WOOD AND PVC WORKS**

Item No.	Description of Items	Unit	Rate (Rs.)														REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri,Alipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	
	(b) Pre-laminated Colour.	Mtr.	562	562	562	562	562	562	562	562	562	562	562	562	562	562	
20	Supplying, fitting & fixing factory made solid panel foam PVC (density shall not be less than 600 kg/cum) door shutter consisting of 19 SWG thick M.S. tube of size 40mm X 20mm for styles and top, lock & bottom rail and welded together to form outer framework including a coat of approved make steel primer. M.S. frame shall be covered with 5mm thick heat moulded PVC channel to form 30mm X 100mm styles and 5mm thick PVC sheet on either side of panel to form 30mm X 125mm top, lock & bottom rail where 15mm (5mm X 3) thick and 20mm wide PVC sheet to be provide as gap insert for top & bottom rail. For panel 10mm PVC sheet to be fitted with stiles & rails with 30mm X 5mm PVC sheet beading on either side of panel and additional 30mm PVC beading as gap insert below top & bottom rail on either side of panel joined together using solvent cement adhesive. An additional 5mm thick and 20mm wide PVC strip to be stuck on the interior side of the PVC channel using using solvent cement adhesive etc. complete excluding all necessary hardwares as per direction of Engineer-in-Charge. In Ground floor. 30mm thick single leaf shutter with 10mm thick panel.																
	(a) Plain Colour.	Mtr.	2907	2907	2907	2907	2907	2907	2907	2907	2907	2907	2907	2907	2907	2907	
	(b) Pre-laminated Colour.	Mtr.	3132	3132	3132	3132	3132	3132	3132	3132	3132	3132	3132	3132	3132	3132	

**SECTION 1. -----BUILDING WORKS**  
**(G) WOOD AND PVC WORKS**

Item No.	Description of Items	Unit	Rate (Rs.)														REMARKS	
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalinpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS		Uttar/ Dakshin Dinajpur Dist.
21	Providing & fixing factory made 30 mm thick factory made solid pvc door shutter made out of single piece extruded solid pvc profile . The style & rails shall be of size of 75 x 30 mm having wall thickness of 5 mm. The style and top bottom rail shall have one side a thickness of 15 mm integrally extruded on the hinge side of the profile for better screw holding power. 15 mm thickness shall be of single piece extruded solid pvc profile whereas it shall be not be made of sheet pasted profile) . The styles and rails shall be reinforced with MS tube of size 18 mm(±) 1mm x 18 mm (±) 1mm x 1mm painted with primer all four corners of reinforcement to be welded or sealed . solid pvc extruded bidding (push fit type) will be set inside the styles and rails with a cavity to receive single piece extruded 5 mm pvc sheet as panel. The styles and rails will be metered cut and join with the help of pvc solvent cement, self tapping screw and braket of size 200 x 75 mm / welded at each corner. Single piece extruded solid pvc lockrail of size 100 x 30 mm with a wall thickness 5 mm & 15 mm integrally extruded in the middle of lockrail & fixed with styles with the help of PVC solvent cement & self driven self tapping screws of size 100mm x 8mm complete as per manufacturers specifications and direction of Engineer-in-Charge.																	
	a) Factory made Single piece non decorative extruded PVC profiles door shutter(mat / plain finish)	Sqm.	2348	2348	2348	2348	2348	2348	2348	2348	2348	2348	2348	2348	2348	2348	2348	
	b) Factory made Single piece extruded PVC profiles door shutter of both side laminated wood grains decorative Finish:	Sqm.	2727	2727	2727	2727	2727	2727	2727	2727	2727	2727	2727	2727	2727	2727	2727	

**SECTION 1. -----BUILDING WORKS**

**(G) WOOD AND PVC WORKS**

Item No.	Description of Items	Unit	Rate (Rs.)														REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri,Alipurdwar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	
22	35 mm thick factory made Solid panel PVC Door shutter made out of single piece extruded solid PVC profiles, 5 mm (± 0.2mm) thick, having styles & rails (except lock rail) of size 95 mm x 35 mm x 5 mm, out of which 75 mm shall be flat and 20 mm shall be tapered (on both side), having one side thickness of 15 mm integrally extruded on the hinge side of the profile for better screw holding power, including reinforcing with MS tube of size 40 mm X 20 mm x 1 mm, joints of styles & rails to be mitred cut & joint with the help of PVC solvent cement, self driven self tapping screws & M.S. rectangular pipes bracket of size 190 mm X 100 mm of cross section size 35 mm x 17 mm x 1 mm at each corner. Single piece extruded 5mm thick solid PVC Lock rail of size 115 mm x 35 mm x 35 mm, out of which 95 mm to be flat and 20 mm to be tapered at both ends, having 15 mm solid core in middle of rail section integrally extruded, fixing the styles & rails with the help of solvent and self driven self tapping screws of 125 mm x 8 mm, including providing 5 mm Single piece solid PVC extruded sheet inserted in the door as panel, all complete as per manufacturer's specification and direction of Engineer-in-charge.																
	a) Factory made Single piece non decorative extruded PVC tapered profiles door shutter(mat / plain finish)	Sqm.	2563	2563	2563	2563	2563	2563	2563	2563	2563	2563	2563	2563	2563	2563	2563
	b) Factory made Single piece extruded PVC laker coated tapered profile door shutter of both side laminated wood grains decorative Finish	Sqm.	2872	2872	2872	2872	2872	2872	2872	2872	2872	2872	2872	2872	2872	2872	2872
23	Providing and fixing 30 mm thick factory made solid PUF (Poly Urethane Foam) core solid PVC shutter shall consists of periferial frame made out of 19 mmX 19mm 19 gauge M S Tube . The core panel shall consist of 20 mm thick high density of PUF conforming to IS:12436-1988. 5 mm thick PVC sheet to be fixed on both face of the MS frame. The door on all the edge to be sealed with lipping of 10 mm (5x2 mm) thick x 20 mm wide PVC sheet by using solvent cement.20 mm th. partcle board should be Inserted for locking arrangement.																
	a) Single pices extruded Puf insulated door shutter, Matt/Plain finish	Sqm.	3550	3550	3550	3550	3550	3550	3550	3550	3550	3550	3550	3550	3550	3550	3550

**SECTION 1. -----BUILDING WORKS**

**(G) WOOD AND PVC WORKS**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
	b) Single pices extruded Puf insulated door shutter of both side laminated wood grains decorative Finish	Sqm.	4237	4237	4237	4237	4237	4237	4237	4237	4237	4237	4237	4237	4237	4237	4237	
24	Supplying, Fitting & Fixing 30 mm thick Factory made moulded Door shutter, wood free consisting of frame made out of 25 mm, M.S. tube, M.S. frame shall have a coat of steel primer. The inner panel shall consist of 25 mm thick High Density EPS. With 2 mm thick termite proof, water proof and fire resistant moulded PVC sheet with raised panel design in different plain and /or prelam colours after routing the moulded design on one side & 2 mm plain and/ or prelam PVC sheet on other side of the EPS. The edge of Panel to be sealed with lipping of 10 mm wide P.V.C. sheet batten made by sticking 2 Nos P.V.C. rigid foam sheet of 5 mm thickness using P.V.C. solvent cement and style sides 25 mm [5x5 mm] th. and 30 mm with PVC sheet fitted along M.S. tube for lock provision and for lock height 5 mm thick PVC sheet [150 mmx100 mm] fixed with upper and lower face of inner side of EPS Panel etc. complete excluding hardwares as necessary as per direction of Engineer-in-Charge and Manufacturer's Specification. In ground floor.																	
	(a) Moulded door using 2 mm moulded PVC sheet or 2 mm etched moulded PVC sheet on one side & 2 mm PVC sheet on other side.	Sq.M.	2655	2655	2655	2655	2655	2655	2655	2655	2655	2655	2655	2777	2655	2655	2655	
	(b) Moulded door using 2 mm Prelam moulded PVC sheet on both side.	Sq.M.	3019	3019	3019	3019	3019	3019	3019	3019	3019	3019	3019	3158	3019	3019	3019	
	(For upper floors refer to item H(4) also)																	



**SECTION 1. -----BUILDING WORKS**

**(G) WOOD AND PVC WORKS**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri,Alipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
25	Supplying, Fitting & Fixing 30 mm thick Factory made moulded Door shutter, consisting of solid core single leaf flash door of 30 mm thickness lipped with 15 mm [5mmx3] thick x 30 mm wide on one style and top rail and 10 mm [5mmx2] thick x 30 mm wide of the other style and bottom rail. The inner panel laminated with 2 mm thick termite proof water proof and fire resistant moulded PVC sheet with raised panel designed in different plain/ or Prelam colour on one side after routing the moulded design on flash door and 2mm plain and or Prelam PVC sheet on other side using rubber adhesive on flash door and solvent cement adhesive on the PVC lipping etc. complete excluding hardwares as necessary as per direction of Engineer-in Charge, Manufacturer's Specification and drawing.. In ground floor.																	
	(a) Moulded door using 2 mm moulded PVC sheet or 2 mm etched moulded PVC sheet on one side & 2 mm PVC sheet on other side.	Sq..M	3272	3272	3272	3272	3272	3272	3272	3272	3272	3272	3272	3425	3272	3272	3272	
	(b) Moulded door using 2 mm Prelam moulded PVC sheet on both side.	Sq..M	3636	3636	3636	3636	3636	3636	3636	3636	3636	3636	3636	3806	3636	3636	3636	
	(For upper floors refer to item H(4) also)																	
26	PVC Door Shutter-37 mm thick:																	

**SECTION 1. -----BUILDING WORKS**

**(G) WOOD AND PVC WORKS**

Item No.	Description of Items	Unit	Rate (Rs.)														REMARKS	
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri,Alipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS		Uttar/ Dakshin Dinajpur Dist.
	Supplying fitting and fixing P.V.C. door shutter of approved quality & shade in position, the style & rail of the P.V.C. door shutter will be made of rigid P.V.C. multicavity hollow chamber of suitable size and section with 2.0 mm (+/-0.2 mm) wall thickness, the section will have 2nos. built in beads, horizontal & vertical section shall be fixed to each other by self tapping screws and 2 nos. of solid plastic or M.S. tubular galvanised brackets of length 200mmx80mm and other100mmx100mm both 1.20 mm in each corner of the shutter frame for placing hinges. Polymer based multicavity hollow section of 105 mm x37mm with 2.0 mm (+/- 0.2 mm) wall thickness will be fitted in the middle as lock rail reinforced by solid polymer bar of 200 mm long at both ends abd screws from both sides. The section frame will then be fitted in by PVC panels of size 100 mmx20 mm with wall thickness of 1.2 mm (+/- 0.2 mm) and 2 nos. of 6 mm dia and screws from both sides 6mm dia bright rod will be inserted horizontally with both side check and nut system and stretches where fixing of hinges / hasp bolt / tower bolt / door ring are required to be strong enough to with stand wear and tear. The rate is inclusive of cost of all materials, labour, and hire of tools and plants and appliencies. Carriage of all materials taxes and all other incidental charges complete.The rate is exclusive of cost of hinges, hasp bolt, tower bolt,door ring etc. In ground floor.	Sq.M.	2287	2287	2287	2287	2287	2287	2287	2287	2287	2287	2287	2389	2287	2287	2287	
	(For upper floors refer to item H(4) also)																	
27	PVC Door Shutter-30 mm thick:																	

**SECTION 1. -----BUILDING WORKS**

**(G) WOOD AND PVC WORKS**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri,Alipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
	Supplying fitting and fixing P.V.C. door shutter of approved quality & shade in position, the style & rail of the P.V.C. door shutter will be made of rigid P.V.C. multicavity hollow chamber of 59 mm x30 mm section with 2.0 mm (+/-0.2 mm) wall thickness.Horizontal & vertical section shall be fixed to each other by self tapping screws and 1 solid polymeric or M.S. galvanised tubular 'L' shaped bracket 100mm x 200mm in each corner of the shutter frame for placing hinges. Polymer based multicavity hollow section of 120 mm x30mm with 2.0 mm (+/- 0.2 mm) wall thickness will be fitted in the middle, reinforced by solid polymer bar of 200 mm long at both ends and screws from both sides as lock rail. The section frame will then be fitted in by PVC panels of size 100 mmx25 mm with wall thickness of 1.2 mm (+/- 0.2 mm) and 2 nos. of 6 mm dia bright rod will be inserted horizontally with both side check and nut system and stretches where fixing of hinges / hasp bolt / tower bolt / door ring are required to be strong enough to with stand wear and tear. The rate is inclusive of cost of all materials, labour, and hire of tools and plants and appliances/c carriage of all materials taxes and all other incidental charges complete.	Sq.M.	2127	2127	2127	2127	2127	2127	2127	2127	2127	2127	2127	2222	2127	2127	2127	
	(For upper floors refer to item H(4) also)																	
	<b><u>C. MISCELLANEOUS WOODWORK</u></b>																	
1	(A) Wood work in posts, post plates, rafters, battens, truss members, purlins etc. fitted and fixed complete (excluding the cost of bolts, paints, but including the cost of nails, screws etc.) (The quantum should be corrected upto three decimals)																	
	(i) Sal : Siliguri.	Cu.M	98177	87287	87287	87287	98177	87287	87287	87287	87287	85173	85173	82001	82001	82001	85173	
	(ii) Sal : Local.	Cu.M	77735	73019	73019	73019	77735	73019	73019	73019	73019	73019	73019	73019	71971	71971	71971	
	(iii) Sal : Malayasian	Cu.M	83283	75637	75637	75637	83283	75637	76160	76160	76160	76160	77731	-	-	-	-	
	(B) Dressed wood work in post , plate , battens . etc. fitted & fixed complete (excluding the cost of bolts only, but including the cost of nails, screws etc.) (The quantum should be corrected upto three decimals)																	
	(i) Sal : Siliguri.	Cu.M	102873	91983	91983	91983	102873	91983	91983	91983	91983	89868	89868	86696	86696	86696	89868	
	(ii) Sal : Local.	Cu.M	82431	77714	77714	77714	82431	77714	77714	77714	77714	77714	77714	77714	76667	76667	76667	
	(iii) Sal : Malayasian	Cu.M	83283	75637	75637	75637	83283	75637	76160	76160	76160	76160	77731	-	-	-	-	

**SECTION 1. -----BUILDING WORKS**  
**(G) WOOD AND PVC WORKS**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri,Alipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
	<b>Note: Extra for Lifting Charges:-</b> <b>i) upto 4th floor Rs. 200/- per Cu.m per Floor.</b> <b>ii) Above 4th floor Rs. 250/- per Cu.m per Floor.</b>																	
2	Wood work in beams and burgahs fitted and fixed in position complete. (Cost for repairing of Damage to be paid separately)																	
	(i) Sal : Siliguri.	Cu.M	87650	76760	76760	76760	87650	76760	76760	76760	76760	74646	74646	71474	71474	71474	74646	
	(ii) Sal : Malayasian	Cu.M	73495	65854	65854	65854	73495	65854	66377	66377	66377	66377	67946	-	-	-	-	
	(iii) Local Sal.	Cu.M	67951	63237	63237	63237	67951	63237	63237	63237	63237	63237	63237	63237	62191	62191	62191	
	<b>Note: Extra for Lifting Charges:-</b> <b>i) upto 4th floor Rs. 200/- per Cu.m per Floor</b> <b>ii) Above 4th floor Rs. 250/- per Cu.m per Floor</b>																	
3	Wood work in upper rails of railing, hand rail of staircase, balcony etc. includig necessary bend, moulding fitted and fixed complete (for purpose of payment section will be measured in the square).																	
	(a) 1st class best Indian teak.	Cu.M	165247	150885	145361	145361	165247	145361	144255	144255	144255	144255	144255	150885	144255	144255	144255	
	(b) Ordinary teak.	Cu.M	128788	123264	112215	112215	128788	123264	112215	112215	117739	117739	117739	117739	117739	117739	117739	
	(c) Sishu, Gamar, Champ, Badam, Bhola, Morga, Hallak.	Cu.M	89541	84616	84616	84616	89541	84616	84616	84616	84616	84616	87352	87352	84616	84616	84616	
	(d) Other Local Wood.	Cu.M	40077	34592	34592	34592	40077	34592	34592	34592	34592	34592	34592	34592	35141	35141	35141	
	<b>Note: Extra for Lifting Charges:-</b> <b>i) upto 4th floor Rs. 200/- per Cu.m per Floor</b> <b>ii) Above 4th floor Rs. 250/- per Cu.m per Floor</b>																	
4	(a) Supplying fitting and fixing door made with IRC fabric mesh of 75mm x 50mmx4.5mmx2.7mm on 50mm x 50mm x 6mm angle iron frames all round and one 37.5mm x 6mm M.S. flat bar over the netting all round welded to angle iron frame and providing locking arrangements if necessary and with two coats of synthetic enamel paint(Other than Hi-gloss) fitted and fixed with clamps or haskal doornney etc. complete including flat stiffeners on every 1.0 m apart both ways. ( Cost of Concrete for fixing will be paid separately)	Sq.M	2449	2449	2449	2449	2449	2449	2449	2449	2449	2449	2449	2457	2449	2449	2449	
5	Wooden venetian/ Louvered valves, fitted and fixed with plated hooks complete:																	
	(i) 19mm thick valves.																	

**SECTION 1. -----BUILDING WORKS**

**(G) WOOD AND PVC WORKS**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurdwar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
	(a) 1st class best Indian teak.	Sq.M	2467	2312	2253	2253	2467	2253	2241	2241	2241	2241	2241	2312	2241	2241	2241	
	(b) Ordinary teak.	Sq.M	2075	2015	1896	1896	2075	2015	1896	1896	1956	1956	1956	1956	1956	1956	1956	
	(ii) 12mm thick valves. (Size 360 x 100 mm)																	
	(a) 1st class best Indian Teak.	Sq.M	1951	1851	1812	1812	1951	1812	1805	1805	1805	1805	1805	1851	1805	1805	1805	
	(b) Ordinary Teak Wood.	Sq.M	1697	1658	1582	1582	1697	1658	1582	1582	1620	1620	1620	1620	1620	1620	1620	
	(c) Sishu, Gamar, Champ, Badam, Bhola, Mogra, Hallak.	Sq.M	1424	1389	1389	1389	1424	1389	1389	1389	1389	1389	1389	1408	1389	1389	1389	
	(d) Other Local Wood.	Sq.M	1172	1134	1134	1134	1172	1134	1134	1134	1134	1134	1134	1134	1138	1138	1138	
	(This is a repair item. Item No. E (31) or E (32) will be admissible in addition).																	
6	Supplying, fitting, Fixing Fly / Mosquito proof nylon net on any type of window, door shutter frame with necessary fixing arrangements complete.	Sq.M.	834	834	834	834	834	834	834	834	834	834	834	755	834	834	834	
7	Scantling upto 50mm wide and 12mm thick (chamfering or rounding) for ceiling/partion battens including fitting, fixing in position with washers, coach screws etc. complete.:																	
	(a) Ordinary teak	Mtr.	104	100	93	93	104	100	93	93	97	97	97	97	97	97	97	
	(b) Sishu / Champ / Badam / Gamar / Bhola / Mogra / Hallak	Mtr.	79	76	76	76	79	76	76	76	76	76	76	77	76	76	76	
8	Rough dressed timber planks fitted and fixed with nut bolts excluding framework complete : In ground floor																	
	(i) 25mm thick planks																	
	(a) Sal Malayasian	Sq.M.	1760	1568	1568	1568	1760	1568	1594	1594	1594	1594	1621					
	(b) Sal Local	Sq.M.	1621	1503	1503	1503	1621	1503	1503	1503	1503	1503	1503	1503	1476	1476	1476	
	(ii) 35mm thick planks																	
	(a) Sal Malayasian	Sq.M.	2434	2167	2167	2167	2434	2167	2204	2204	2204	2204	2240					
	(b) Sal Local	Sq.M.	2240	2076	2076	2076	2240	2076	2076	2076	2076	2076	2076	2076	2039	2039	2039	
	(iii) 50mm thick planks																	
	(a) Sal Malayasian	Sq.M.	3451	3068	3068	3068	3451	3068	3120	3120	3120	3120	3173					
	(b) Sal Local	Sq.M.	3173	2937	2937	2937	3173	2937	2937	2937	2937	2937	2937	2937	2884	2884	2884	

**SECTION 1. -----BUILDING WORKS**

**(G) WOOD AND PVC WORKS**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri,Alipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
	(iv) Above 50mm thick planks																	
	(a) Sal Malayasian	Cu.M.	67999	60356	60356	60356	67999	60356	61403	61403	61403	61403	62450					
	(b) Sal Local	Cu.M.	62454	57740	57740	57740	62454	57740	57740	57740	57740	57740	57740	57740	56693	56693	56693	
	(For upper floors refer to item H(4) also)																	
9	Wooden eaves board as per design, fitted and fixed complete: In ground floor																	
	(i) Plain eaves board (Local Sal)																	
	(a) 19mm thick	Sq.M.	1552	1458	1458	1458	1552	1458	1458	1458	1458	1458	1458	1458	1437	1437	1437	
	(b) 25mm thick	Sq.M.	1930	1807	1807	1807	1930	1807	1807	1807	1807	1807	1807	1807	1779	1779	1779	
	(ii) Ornamental eaves board (Ordinary Teak)																	
	(a) 19mm thick	Sq.M.	2455	2349	2138	2138	2455	2349	2138	2138	2244	2244	2244	2244	2244	2244	2244	
	(b) 25mm thick	Sq.M.	3056	2917	2640	2640	3056	2917	2640	2640	2779	2779	2779	2779	2779	2779	2779	
	(iii) Ornamental eaves board (Badam/Gamar/Champ/Hallak)																	
	(a) 19mm thick	Sq.M.	1716	1621	1621	1621	1716	1621	1621	1621	1621	1621	1621	1674	1621	1621	1621	
	(b) 25mm thick	Sq.M.	2072	1949	1949	1949	2072	1949	1949	1949	1949	1949	1949	2017	1949	1949	1949	
	(For upper floors refer to item H(4) also)																	
10	Square or hexagonal mesh netting made with 18 B.W.G. galvanised wire, fitted and fixed complete as per design (excluding the supporting framework but including local sal wood battens of size 37.5mmx25mm). In ground floor.																	
	(a) 19mm mesh.	Sq.M.	416	402	402	402	416	402	402	402	402	402	402	408	399	399	399	
	(b) 25mm mesh	Sq.M.	391	378	378	378	391	378	378	378	378	378	378	382	375	375	375	
	(c) 37.5mm mesh	Sq.M.	373	360	360	360	373	360	360	360	360	360	360	364	357	357	357	
	(For upper floors refer to item H(4) also)																	
11	Extra for providing hand hole (upto 150mm x 150mm size) including necessary timber frame [ size of batten 37.5 mmx25mm].																	
	(a) Sal Malayasian	Each	63	58	58	58	63	58	59	59	59	59	59					
	(b) Sal Local	Each	59	57	57	57	59	57	57	57	57	57	57	57	56	56	56	

**SECTION 1. -----BUILDING WORKS**

**(G) WOOD AND PVC WORKS**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri,Alipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
12	Supplying fitting and fixing I.R.C. fabric mesh with covering battens including cost of screws etc complete (excluding the cost of battens). In ground floor.																	
	(a) 50mm x 25mm x 2.7mm x 2.7mm.	Sq.M.	237	237	237	237	237	237	237	237	237	237	237	243	237	237	237	
	(b) 75mm x 25mm x 2.7mm x 2.7mm.	Sq.M.	231	231	231	231	231	231	231	231	231	231	231	238	231	231	231	
	(c) 75mm x 25mm x 4.5mm x 2.7mm.	Sq.M.	270	270	270	270	270	270	270	270	270	270	270	278	270	270	270	
	(d) 75mm x 50mm x 4.5mm x 3.0mm.	Sq.M.	233	233	233	233	233	233	233	233	233	233	233	240	233	233	233	
	(e) 75mm x 50mm x 2.7mm x 2.7mm.	Sq.M.	230	230	230	230	230	230	230	230	230	230	230	237	230	230	230	
	(f) 75mm x75mm x 4.5mm x 4.5mm.	Sq.M.	274	274	274	274	274	274	274	274	274	274	274	283	274	274	274	
	(g) 75mm x 75mm x 2.7mm x 2.7mm.	Sq.M.	206	206	206	206	206	206	206	206	206	206	206	210	206	206	206	
	(h) 100mm x 100mm x 2.7mm x 2.7mm.	Sq.M.	188	188	188	188	188	188	188	188	188	188	188	193	188	188	188	
	(i) 25mm x 25mm x 2.7mm x 2.7mm.	Sq.M.	310	310	310	310	310	310	310	310	310	310	310	319	310	310	310	
	(j) 25mm x 25mm x 2.2mm x 2.2mm.	Sq.M.	203	203	203	203	203	203	203	203	203	203	203	207	203	203	203	
	(For upper floors refer to item H(4) also)																	
	<b><u>D. ACCESSORIES</u></b>																	
1	Wooden sash bar 50mm. X 35mm. Upto 1200 mm length with coach screw and flat iron clamps (40mm. X 6mm.) fitted and fixed complete in any position.																	
	(a) 1st class best Indian Teak.	Each	354	323	312	312	354	312	309	309	309	309	309	324	309	309	309	
	(b) Ordinary Teak Wood.	Each	273	262	238	238	273	262	238	238	250	250	250	250	250	250	250	
	(c) Sal : Siliguri.	Each	239	215	215	215	239	215	215	215	215	210	210	204	204	204	210	
	(d) Sal : Malaysian	Each	206	190	190	190	206	190	191	191	191	191	194	-	-	-	-	
	(e) Local Sal.	Each	194	184	184	184	194	184	184	184	184	184	184	184	181	181	181	
2	M.S. sash bar upto 1200mm. Length with coach screws and flat iron clamps 40mm X 6mm fitted and fixed complete.																	
	(a) With 40mm. X 10mm flat.	Each	258	219	219	219	219	219	219	219	219	219	219	222	219	219	219	
	(b) With 40mm. X 6mm flat.	Each	187	163	163	163	163	163	163	163	163	163	163	164	163	163	163	
3	Supplying, fitting and fixing hinge cleat in position excluding the cost hinge and other fittings.																	
	a) with 50mm iron Butt-hinge																	

**SECTION 1. -----BUILDING WORKS**

**(G) WOOD AND PVC WORKS**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurdwar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
	i) Sal : Siliguri.	Each	33	31	31	31	33	31	31	31	31	31	31	30	30	30	31	
	ii) Sal : Malayasian	Each	30	29	29	29	30	29	29	29	29	29	30	-	-	-	-	
	iii) Local Sal.	Each	30	29	29	29	30	29	29	29	29	29	29	29	29	29	29	
	<b>b) with 75mm iron Butt-hinge</b>																	
	i) Sal : Siliguri.	Each	40	38	38	38	40	38	38	38	38	38	38	37	37	37	38	
	ii) Sal : Malayasian	Each	37	36	36	36	37	36	36	36	36	36	36	-	-	-	-	
	iii) Local Sal.	Each	36	35	35	35	36	35	35	35	35	35	35	35	35	35	35	
4	Supplying, fitting and fixing M.S. clamps for door and window frame made of flat bent bar, end bifurcated with necessary screws etc. by cement concrete(1:2:4) as per direction. (Cost of concrete will be paid separately)																	
	(a) 40mm X 6mm, 250mm Length	Each	29	29	29	29	29	29	29	29	29	29	29	30	29	29	29	
	(b) 40mm X 6mm, 200mm Length	Each	25	25	25	25	25	25	25	25	25	25	25	26	25	25	25	
	(c) 40mm X 6mm, 125mm Length	Each	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	
	<b>(The concreting will have to be done for equivalent thickness of 2 layers of brick work and for the entire width of the wall. No deduction on brick work will be made).</b>																	
5	Iron butt hinges of approved quality fitted and fixed with steel screws, with ISI mark.																	
	(i) 50mm. X 37mm. X 1.50mm.	Each	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	
	(ii) 50mm. X 40mm. X 2.5mm.	Each	26	26	26	26	26	26	26	26	26	26	26	10	26	26	26	
	(iii) 75mm. X 40mm. X 1.12mm.	Each	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	
	(iv) 75mm. X 47mm. X 1.70mm.	Each	31	31	31	31	31	31	31	31	31	31	31	32	31	31	31	
	(v) 75mm. X 60mm. X 3.15mm.	Each	47	47	47	47	47	47	47	47	47	47	47	48	47	47	47	
	(vi) 100mm. X 50mm. X 1.25mm.	Each	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	
	(vii) 100mm. X 58mm. X 1.90mm.	Each	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	
	(viii) 100mm. X 75mm. X 3.50mm.	Each	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	
	<b>(Add Extra 30% for Oxidised Fittings)</b>																	
6	Iron parliamentary hinges conforming to IS 362-1982 fitted and fixed complete with steel screws.																	
	(a) 50mm. X 100mm. X 20mm. X 2.24mm.	Each	66	66	66	66	66	66	66	66	66	66	66	67	66	66	66	



**SECTION 1. -----BUILDING WORKS**

**(G) WOOD AND PVC WORKS**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurdwar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
	(b) 65mm. X 100mm. X 20mm. X 2.24mm.	Each	73	73	73	73	73	73	73	73	73	73	73	74	73	73	73	
	(c) 75mm. X 100mm. X 20mm. X 2.24mm.	Each	81	81	81	81	81	81	81	81	81	81	81	82	81	81	81	
	(d) 90mm. X 100mm. X 20mm. X 2.24mm.	Each	88	88	88	88	88	88	88	88	88	88	88	89	88	88	88	
	(e) 100mm. X 125mm. X 27mm. X 2.50mm.	Each	112	112	112	112	112	112	112	112	112	112	112	113	112	112	112	
	(f) 125mm. X 125mm. X 27mm. X 2.50mm.	Each	126	126	126	126	126	126	126	126	126	126	126	127	126	126	126	
	(g) 150mm. X 125mm. X 27mm. X 2.50mm.	Each	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	
	(h) 175mm. X 125mm. X 27mm. X 2.50mm.	Each	154	154	154	154	154	154	154	154	154	154	154	155	154	154	154	
	(i) 200mm. X 125mm. X 27mm. X 2.50mm.	Each	173	173	173	173	173	173	173	173	173	173	173	174	173	173	173	
7	Iron catch hook of approved quality fitted and fixed to shutter and chowkat.																	
	(a) 6mm dia x 100mm long.	Each	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	
	(b) 6mm dia x 225mm long.	Each	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	
	(c) 10mm dia x 300mm long.	Each	82	82	82	82	82	82	82	82	82	82	82	83	82	82	82	
	(d) 10mm dia x 375mm long.	Each	99	99	99	99	99	99	99	99	99	99	99	100	99	99	99	
	(e) 10mm dia x 450mm long.	Each	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	
	(f) 12mm dia x 600mm long.	Each	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	
	(g) 12mm dia x 750mm long.	Each	184	184	184	184	184	184	184	184	184	184	184	184	184	184	184	
8	Iron socket bolt of approved quality fitted and fixed complete.																	
	(a) 75mm long x 10mm dia bolt.	Each	34	34	34	34	34	34	34	34	34	34	34	35	34	34	34	
	(b) 100mm long x 10mm dia bolt.	Each	40	40	40	40	40	40	40	40	40	40	40	41	40	40	40	
	(c) 150mm long x 10mm dia bolt.	Each	63	63	63	63	63	63	63	63	63	63	63	64	63	63	63	
	(d) 225mm long x 10mm dia bolt.	Each	77	77	77	77	77	77	77	77	77	77	77	78	77	77	77	
	(e) 300mm long x 10mm dia bolt.	Each	95	95	95	95	95	95	95	95	95	95	95	96	95	95	95	
9	Iron skeleton bolt of approved quality fitted and fixed complete.																	
	(a) 375mm long x 10mm dia rod.	Each	92	92	92	92	92	92	92	92	92	92	92	93	92	92	92	
	(b) 450mm long x 10mm dia rod.	Each	104	104	104	104	104	104	104	104	104	104	104	105	104	104	104	
10	i) Iron hasp bolt of approved quality fitted and fixed complete (oxidised) with 16mm dia rod with centre bolt and round fitting.																	
	(a) 200mm long	Each	134	134	134	134	134	134	134	134	134	134	134	138	134	134	134	

**SECTION 1. -----BUILDING WORKS**  
**(G) WOOD AND PVC WORKS**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurdwar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
	(b) 250mm long.	Each	159	159	159	159	159	159	159	159	159	159	159	163	159	159	159	
	(c) 300mm long.	Each	166	166	166	166	166	166	166	166	166	166	166	173	166	166	166	
	ii) Brass hasp bolt of approved quality fitted and fixed complete (oxidised) with 16mm dia rod with centre bolt and round fitting.																	
	(a) 200mm long	Each	447	447	447	447	447	447	447	447	447	447	447	452	447	447	447	
	(b) 250mm long.	Each	597	597	597	597	597	597	597	597	597	597	597	602	597	597	597	
	(c) 300mm long.	Each	657	657	657	657	657	657	657	657	657	657	657	662	657	657	657	
11	Iron pad bolt (lock) of approved quality rod and handle single cast:																	
	(i) 115mm x 10mm dia rod 65mm x 3mm plate.	Each	89	89	89	89	89	89	89	89	89	89	89	90	89	89	89	
	(ii) 200mm x 16mm dia rod 105mm x 3mm plate.	Each	114	114	114	114	114	114	114	114	114	114	114	116	114	114	114	
12	Double acting Iron Spring Hinges of approved quality fitted and fixed complete:-																	
	(a) 100mm size	Each	181	181	181	181	181	181	181	181	181	181	181	183	181	181	181	
	(b) 125mm size	Each	231	231	231	231	231	231	231	231	231	231	231	236	231	231	231	
	(c) 150mm size	Each	316	316	316	316	316	316	316	316	316	316	316	320	316	316	316	
13	Iron Gravity Hinge (block patent best quality) fitted and fixed complete.	Each	115	115	115	115	115	115	115	115	115	115	115	117	115	115	115	
14	Iron Tee Hinges of approved quality fitted and fixed complete:																	
	(a) 75 x 65 x 20mm size	Each	42	42	42	42	42	42	42	42	42	42	42	44	42	42	42	
	(b) 100 x 75 x 20mm size.	Each	54	54	54	54	54	54	54	54	54	54	54	55	54	54	54	
	(c) 125 x 75 x 25mm size.	Each	64	64	64	64	64	64	64	64	64	64	64	65	64	64	64	
	(d) 150 x 75 x 25mm size.	Each	86	86	86	86	86	86	86	86	86	86	86	87	86	86	86	
	(e) 200 x 90 x 25mm size.	Each	103	103	103	103	103	103	103	103	103	103	103	104	103	103	103	
	(f) 250 x 100 x 30mm size.	Each	108	108	108	108	108	108	108	108	108	108	108	110	108	108	108	
	(g) 300 x 115 x 30mm size.	Each	128	128	128	128	128	128	128	128	128	128	128	130	128	128	128	
15	Helical door spring hinge of approved quality fitted and fixed complete. (a) Iron (Heavy type)																	
	(i) 100mm long.	Each	107	107	107	107	107	107	107	107	107	107	107	109	107	107	107	
	(ii) 125mm long.	Each	117	117	117	117	117	117	117	117	117	117	117	119	117	117	117	

**SECTION 1. -----BUILDING WORKS**

**(G) WOOD AND PVC WORKS**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurdwar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
	(iii) 150mm long.	Each	149	149	149	149	149	149	149	149	149	149	149	151	149	149	149	
16	(a) Supplying 'Godrej' mortice lock chromium plated with latch and keys 4 levers, including fitting and fixing complete.	Each	1081	1081	1081	1081	1081	1081	1081	1081	1081	1081	1081	1081	1081	1081	1081	
	(b) Supplying 'Godrej' mortice lock chromium plated with keys 6 levers including fitting & fixing complete.	Each	1954	1954	1954	1954	1954	1954	1954	1954	1954	1954	1954	1954	1954	1954	1954	
	(c) Supplying 6 levers 'Godrej' Crystal Satine Mortice Lock with keys including fitting & fixing complete.	Each	1899	1899	1899	1899	1899	1899	1899	1899	1899	1899	1899	1899	1899	1899	1899	
17	Cord for fan light fitted & fixed complete.	Each	26	26	26	26	26	26	26	26	26	26	26	28	26	26	26	
18	Cord for clerestory window fitted and fixed complete.	Each	28	28	28	28	28	28	28	28	28	28	28	31	28	28	28	
19	(i) Door stopper.(Brass)	Each	117	117	117	117	117	117	117	117	117	117	117	123	117	117	117	
	(ii) Door stopper (Anodised aluminium)	Each	70	70	70	70	70	70	70	70	70	70	70	75	70	70	70	
	(iii) Steel body foot-door holder.	Each	67	67	67	67	67	67	67	67	67	67	67	72	67	67	67	
20	Renewing iron catch hook of approved quality for fan light or clerestory window 50mm size with 6mm rod.	Each	23	23	23	23	23	23	23	23	23	23	23	24	23	23	23	
21	Renewing hinges for fan light or clerestory window (iron).	Each	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	
22	Renewing iron eye of hasp bolt.	Each	24	24	24	24	24	24	24	24	24	24	24	26	24	24	24	
23	i) Hydraulic door closer of approved quality as per I.S.I. standard fitted and fixed complete.																	
	(a) Heavy type (I.S.I. size 3)	Each	1665	1665	1665	1665	1665	1665	1665	1665	1665	1665	1665	1665	1665	1665	1665	
	(b) Medium (I.S.I. size 2)	Each	1366	1366	1366	1366	1366	1366	1366	1366	1366	1366	1366	1366	1366	1366	1366	
	(c) Light (I.S.I. size 4)	Each	1266	1266	1266	1266	1266	1266	1266	1266	1266	1266	1266	1266	1266	1266	1266	
	ii) Godrej Hydraulic door closer fitted and fixed complete.																	
	(a) Heavy type	Each	2064	2064	2064	2064	2064	2064	2064	2064	2064	2064	2064	2064	2064	2064	2064	
	(b) Medium type	Each	1665	1665	1665	1665	1665	1665	1665	1665	1665	1665	1665	1665	1665	1665	1665	
	(c) Light type	Each	1466	1466	1466	1466	1466	1466	1466	1466	1466	1466	1466	1466	1466	1466	1466	
24	(A) Iron door ring of approved quality fitted and fixed with nut and washer complete.																	
	(i) 50mm dia.	Each	17	17	17	17	17	17	17	17	17	17	17	18	17	17	17	
	(ii) 75mm dia.	Each	28	28	28	28	28	28	28	28	28	28	28	29	28	28	28	

**SECTION 1. -----BUILDING WORKS**

**(G) WOOD AND PVC WORKS**

Item No.	Description of Items	Unit	Rate (Rs.)														REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri,Alipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	
	(B) Split shank iron door ring fitted and fixed complete																
	(i) 50mm dia.	Each	28	28	28	28	28	28	28	28	28	28	28	30	28	28	28
	(ii) 75mm dia.	Each	40	40	40	40	40	40	40	40	40	40	40	43	40	40	40
25	Supplying anodised aluminium catch hook with eye fitted and fixed to shutter and chowkat complete of best quality:																
	(i) 150mm long.	Each	37	37	37	37	37	37	37	37	37	37	37	38	37	37	37
	(ii) 225mm long.	Each	43	43	43	43	43	43	43	43	43	43	43	44	43	43	43
26	Anodised aluminium barrel / tower / socket bolt (full covered) of approved manufactured from extruded section conforming to I.S. 204/74 fitted and fixed with cadmium plated screws:																
	(i) 50mm long x 10mm dia. bolt.	Each	44	44	44	44	44	44	44	44	44	44	44	45	44	44	44
	(ii) 75mm long x 10mm dia. bolt.	Each	48	48	48	48	48	48	48	48	48	48	48	49	48	48	48
	(iii) 100mm long x 10mm dia. bolt.	Each	53	53	53	53	53	53	53	53	53	53	53	55	53	53	53
	(iv) 150mm long x 10mm dia. bolt.	Each	63	63	63	63	63	63	63	63	63	63	63	65	63	63	63
	(v) 150mm long x 12mm dia. bolt.	Each	88	88	88	88	88	88	88	88	88	88	88	89	88	88	88
	(vi) 200mm long x 10mm dia. bolt.	Each	78	78	78	78	78	78	78	78	78	78	78	79	78	78	78
	(vii) 225mm long x 10mm dia. bolt.	Each	84	84	84	84	84	84	84	84	84	84	84	85	84	84	84
	(viii) 225mm long x 12mm dia. bolt.	Each	114	114	114	114	114	114	114	114	114	114	114	116	114	114	114
	(ix) 300mm long x 10mm dia. bolt.	Each	99	99	99	99	99	99	99	99	99	99	99	100	99	99	99
	(x) 300mm long x 12mm dia. bolt.	Each	151	151	151	151	151	151	151	151	151	151	151	152	151	151	151
27	Anodised aluminium skeleton bolt of approved quality manufactured from extruded section conforming to I.S: specification (I.S: 204/74) fitted and fixed with cadmium plated screws:																
	(i) 225mm long x 10mm dia. bolt.	Each	83	83	83	83	83	83	83	83	83	83	83	96	83	83	83
	(ii) 225mm long x 12mm dia. bolt.	Each	111	111	111	111	111	111	111	111	111	111	111	129	111	111	111
	(iii) 300mm long x 10mm dia. bolt.	Each	109	109	109	109	109	109	109	109	109	109	109	125	109	109	109
	(iv) 300mm long x 12mm dia. bolt.	Each	150	150	150	150	150	150	150	150	150	150	150	174	150	150	150
	(v) 450mm long x 10mm dia. bolt.	Each	143	143	143	143	143	143	143	143	143	143	143	167	143	143	143
	(vi) 450mm long x 12mm dia. bolt.	Each	192	192	192	192	192	192	192	192	192	192	192	225	192	192	192

**SECTION 1. -----BUILDING WORKS**

**(G) WOOD AND PVC WORKS**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurdwar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
	(vii) 600mm long x 10mm dia. bolt.	Each	171	171	171	171	171	171	171	171	171	171	171	199	171	171	171	
	(viii) 600mm long x 12mm dia. bolt.	Each	228	228	228	228	228	228	228	228	228	228	228	265	228	228	228	
28	Anodised aluminium Aldrop / Sliding bolts of approved quality manufactured from extruded section conforming to I.S. specification (I.S. 2681/66) fitted and fixed complete.																	
	(i) 250mm x 16mm dia bolt.	Each	233	233	233	233	233	233	233	233	233	233	233	235	233	233	233	
	(ii) 250mm x 19mm dia. bolt.	Each	287	287	287	287	287	287	287	287	287	287	287	292	287	287	287	
	(iii) 300mm x 16mm dia. bolt.	Each	231	231	231	231	231	231	231	231	231	231	231	242	231	231	231	
	(iv) 300mm x 19mm dia. bolt.	Each	297	297	297	297	297	297	297	297	297	297	297	302	297	297	297	
29	Anodised aluminium butt hinges of approved quality manufactured from extruded section conforming to I.S. specification (I.S. 205/66) and fitted and fixed with cadmium plated screws:																	
	(i) 50 x 45 x 2.5mm.	Each	37	37	37	37	37	37	37	37	37	37	37	38	37	37	37	
	(ii) 65 x 45 x 2.5mm.	Each	42	42	42	42	42	42	42	42	42	42	42	43	42	42	42	
	(iii) 75 x 45 x 2.5mm.	Each	52	52	52	52	52	52	52	52	52	52	52	53	52	52	52	
	(iv) 75 x 63 x 3.2mm.	Each	62	62	62	62	62	62	62	62	62	62	62	63	62	62	62	
	(v) 100 x 63 x 3.2mm.	Each	72	72	72	72	72	72	72	72	72	72	72	73	72	72	72	
	(vi) 125 x 63 x 3.2mm.	Each	77	77	77	77	77	77	77	77	77	77	77	78	77	77	77	
	(vii) 100 x 75 x 4.0mm.	Each	93	93	93	93	93	93	93	93	93	93	93	94	93	93	93	
	(viii) 125 x 63 x 4.0mm.	Each	108	108	108	108	108	108	108	108	108	108	108	109	108	108	108	
	(ix) 125 x 75 x 4.0mm.	Each	113	113	113	113	113	113	113	113	113	113	113	114	113	113	113	
	(x) 150 x 75 x 4.0mm.	Each	133	133	133	133	133	133	133	133	133	133	133	135	133	133	133	
30	Anodised aluminium D-type handle of approved quality manufactured from extruded section conforming to I.S. specification (I.S. 230/72) fitted and fixed complete:																	
	(a) With continuous plate base (Hexagonal/ Round rod)																	
	(i) 75 mm grip x 10 mm dia rod.	Each	61	61	61	61	61	61	61	61	61	61	61	75	61	61	61	
	(ii) 100 mm grip x 10 mm dia rod.	Each	69	69	69	69	69	69	69	69	69	69	69	84	69	69	69	
	(iii) 100 mm grip x 12 mm dia rod.	Each	85	85	85	85	85	85	85	85	85	85	85	103	85	85	85	

**SECTION 1. -----BUILDING WORKS**  
**(G) WOOD AND PVC WORKS**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
	(iv) 125 mm grip x 10 mm dia rod.	Each	95	95	95	95	95	95	95	95	95	95	95	111	95	95	95	
	(v) 125 mm grip x 12 mm dia rod.	Each	103	103	103	103	103	103	103	103	103	103	103	125	103	103	103	
	(vi) 150 mm grip x 10 mm dia rod.	Each	97	97	97	97	97	97	97	97	97	97	97	116	97	97	97	
	(vii) 150 mm grip x 12 mm dia rod.	Each	111	111	111	111	111	111	111	111	111	111	111	132	111	111	111	
	<b>(b) With round base:</b>																	
	(i) 75 mm grip x 10 mm dia rod.	Each	50	50	50	50	50	50	50	50	50	50	50	55	50	50	50	
	(ii) 100 mm grip x 10 mm dia rod.	Each	55	55	55	55	55	55	55	55	55	55	55	60	55	55	55	
	(iii) 100 mm grip x 12 mm dia rod.	Each	62	62	62	62	62	62	62	62	62	62	62	67	62	62	62	
	(iv) 150 mm grip x 10 mm dia rod.	Each	86	86	86	86	86	86	86	86	86	86	86	91	86	86	86	
	(v) 150 mm grip x 12 mm dia rod.	Each	91	91	91	91	91	91	91	91	91	91	91	96	91	91	91	
31	Anodised aluminium decorative handle (hexagonal / fluted) of approved quality fitted and fixed complete.																	
	(i) 150mm plate x 10mm dia rod x 12mm hexagonal/fluted.	Each	87	87	87	87	87	87	87	87	87	87	87	109	87	87	87	
	(ii) 175mm plate x 12mm dia rod x 60mm hexagonal / fluted.	Each	100	100	100	100	100	100	100	100	100	100	100	119	100	100	100	
32	(a) Metallic magic eye of approved quality fitted and fixed complete.	Each	54	54	54	54	54	54	54	54	54	54	54	72	54	54	54	
	(b) Plastic magic eye of approved quality fitted and fixed complete.	Each	39	39	39	39	39	39	39	39	39	39	39	49	39	39	39	
33	Anodised aluminium grip handle with base plate of approved quality fitted and fixed complete.																	
	<b>(a) With base plate.</b>																	
	(i) 165mm grip x 12mm dia rod x 42mm plate x 3.2mm thick.	Each	147	147	147	147	147	147	147	147	147	147	147	177	147	147	147	
	(ii) 225mm grip x 16mm dia rod x 38mm plate x 3.2mm thick.	Each	177	177	177	177	177	177	177	177	177	177	177	206	177	177	177	
	(iii) 300mm grip x 20mm dia rod x 50mm plate x 3.2mm thick.	Each	208	208	208	208	208	208	208	208	208	208	208	243	208	208	208	

**SECTION 1. -----BUILDING WORKS**

**(G) WOOD AND PVC WORKS**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri,Alipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
34	Supplying fitting and fixing 4mm thick acrylic ornamental finger plate made of transparent acrylic sheet including providing holes of knobs and keys as per existing shutter and chamfering the edges of the acrylic sheet.	Sq.M	699	699	699	699	699	699	699	699	699	699	699	705	699	699	699	
35	Iron door handle of approved quality fitted and fixed complete:																	
	(i) 100mm x 5mm.	Each	40	40	40	40	40	40	40	40	40	40	40	41	40	40	40	
	(ii) 150mm x 5.5mm.	Each	50	50	50	50	50	50	50	50	50	50	50	51	50	50	50	
36	Supplying , fitting and fixing Godrej ultra vertibold brass rim lock.	Each	1678	1678	1678	1678	1678	1678	1678	1678	1678	1678	1678	1703	1678	1678	1678	
37	(a) Supplying, fitting fixing I.S.I. approved quality and brand hydraulic (oil check) floor door spring, heavy duty double action with brass shoe, brass top centre aluminium top cover etc. complete set as per direction of Engineer-in-charge.	Set	2077	2077	2077	2077	2077	2077	2077	2077	2077	2077	2077	2167	2077	2077	2077	
	(b) Supplying, fitting fixing Godrej type hydraulic (oil check) floor door spring, heavy duty double action with brass shoe, brass top centre aluminium top cover etc. complete set as per direction of Engineer-in-charge.	Set	3573	3573	3573	3573	3573	3573	3573	3573	3573	3573	3573	3738	3573	3573	3573	
38	Supplying wooden moulding slanting beat of size 37mm X 18mm (finished) of approved design to finish the joint between wooden frame of door/window with masonry in true line and level fitted & fixed with adhesive and head less pins complete as per direction of Engineer -in-charge.																	
	a) Teak wood beat	Mtr.	109	109	109	109	109	109	109	109	109	109	109	118	109	109	109	
	b) Kappoor wood beat	Mtr.	75	75	75	75	75	75	75	75	75	75	75	81	75	75	86	
39	Supplying, fitting and fixing Godrej Multi Lock or equivalent .	Each	136	136	136	136	136	136	136	136	136	136	136	143	136	136	136	
	<b><u>E. REPAIR WORKS</u></b>																	
1	Weather board 12mm. Thick fitted and fixed with screws complete.																	
	(a) 1st class best Indian Teak.	Sq.M	2411	2200	2119	2119	2411	2119	2103	2103	2103	2103	2103	2200	2103	2103	2103	
	(b) Ordinary Teak Wood.	Sq.M	1875	1794	1632	1632	1875	1794	1632	1632	1713	1713	1713	1713	1713	1713	1713	

**SECTION I. -----BUILDING WORKS**

**(G) WOOD AND PVC WORKS**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurdwar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
	(c) Sishu, Gamar, Champ, Badam, Bhola, Mogra, Hallak.	Sq.M	1298	1226	1226	1226	1298	1226	1226	1226	1226	1226	1266	1266	1226	1226	1226	
	(d) Other Local Wood.	Sq.M	767	687	687	687	767	687	687	687	687	687	687	687	695	695	695	
	<b>N.B. : This item is meant for repair works only.</b>																	
2	Renewing 25 mm. Square wooden gauge of railing upto 1m ht. fitted and fixed complete.																	
	(a) 1st class best Indian Teak.	Metre	128	119	116	116	128	116	115	115	115	115	115	119	115	115	115	
	(b) Ordinary Teak Wood.	Metre	106	102	95	95	106	102	95	95	99	99	99	99	99	99	99	
	(c) Sal : Siliguri.	Metre	95	88	88	88	95	88	88	88	88	87	87	85	85	85	87	
	(d) Sal : Malayasian	Metre	86	81	81	81	86	81	81	81	81	81	82	-	-	-	-	
	(e) Local Sal.	Metre	82	79	79	79	82	79	79	79	79	79	79	79	78	78	78	
3	Renewing wooden sash bar 50mm. X 35mm. Upto 1200mm length with new coach screws and flat iron clamps (40mm. X 6mm.) fitted and fixed complete in any position.																	
	(a) 1st class best Indian Teak.	Each	367	337	325	325	367	325	323	323	323	323	323	337	323	323	323	
	(b) Ordinary Teak Wood.	Each	287	275	252	252	287	275	252	252	263	263	263	264	263	263	263	
	(c) Sal : Siliguri.	Each	252	228	228	228	252	228	228	228	228	224	224	217	217	217	224	
	(d) Sal : Malayasian	Each	220	203	203	203	220	203	204	204	204	204	207	-	-	-	-	
	(e) Local Sal.	Each	207	197	197	197	207	197	197	197	197	197	197	197	195	195	195	
4	Renewing M.S. sash bar upto 1200mm. Length with coach screws (new) and flat iron clamps (40mm X 6mm) fitted and fixed complete.																	
	(a) With 40mm. X 10mm flat.	Each	275	236	236	236	236	236	236	236	236	236	236	238	236	236	236	
	(b) With 40mm. X 6mm flat.	Each	204	179	179	179	179	179	179	179	179	179	179	181	179	179	179	
5	Renewing M.S. clamps 40mm. X 6mm. Only for sash bar fitted and fixed complete.	Each	28	24	24	24	24	24	24	24	24	24	24	24	24	24	24	
6	Refixing sash bar with new coach screws.	Each	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	
7	Refixing M.S. clamps for sash bar with new screws.	Each	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
8	Renewing iron chain and staples fitted and fixed complete.																	
	a) upto 150mm long	Each	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	
	b) Above 150mm long	Each	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	



**SECTION 1. -----BUILDING WORKS**

**(G) WOOD AND PVC WORKS**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri,Alipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
9	Renewing M.S. clamps for door and window frame made of flat bent bar, end bifurcated with necessary screws etc. In cement concrete(1:2:4) including cutting of brick work/concrete work as per direction. (Cost of concrete will be paid separately )																	
	(a) 40mm X 6mm, 250mm Length	Each	47	47	47	47	47	47	47	47	47	47	47	48	47	47	47	
	(b) 40mm X 6mm, 200mm Length	Each	37	37	37	37	37	37	37	37	37	37	37	38	37	37	37	
	(c) 40mm X 6mm, 125mm Length	Each	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	
10	Taking out old brass hinges and fitting, fixing the same with new brass screws.																	
	(a) 50mm. Long butt hinge.	Each	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
	(b) 75mm. Long butt hinge.	Each	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	
	(c) 100mm. Long butt hinge.	Each	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	
	(d) 125mm. Long but hinge.	Each	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	
	(e) 150mm. Long butt hinge.	Each	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	
	(f) 75mm. Long parliamentary hinge.	Each	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	
	(g) 100mm. Long parliamentary hinge.	Each	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	
	(h) 125mm. Long parliamentary hinge.	Each	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	
	(i) 150mm. Long parliamentary hinge.	Each	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	
	(j) 175mm. Long parliamentary hinge.	Each	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	
	(k) 200mm. Long parliamentary hinge.	Each	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	
11	Taking out old iron higes and fitting, fixing the same with new steel screws.																	
	(a) 50mm. Long butt hinge.	Each	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	
	(b) 65mm. Long butt hinge.	Each	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	
	(c) 75mm. Long butt hinge.	Each	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
	(d) 90mm. Long butt hinge.	Each	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
	(e) 100mm. Long butt hinge.	Each	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	
	(f) 125mm. Long butt hinge.	Each	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	
	(g) 150mm. Long butt hinge.	Each	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	
	(h) 50mm. Long parliamentary hinge.	Each	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	
	(i) 65mm. Long parliamentary hinge.	Each	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	
	(j) 75mm. Long parliamentary hinge.	Each	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	

**SECTION I. -----BUILDING WORKS**

**(G) WOOD AND PVC WORKS**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purdia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurdwar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
	(k) 100mm. Long parliamentary hinge.	Each	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	
	(l) 125mm. Long parliamentary hinge.	Each	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	
	(m) 150mm. Long parliamentary hinge.	Each	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	
	(n) 175mm. Long parliamentary hinge.	Each	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	
	(o) 200mm. Long parliamentary hinge.	Each	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	
12	Renewing iron mortice lock (local best approved quality) 6 lever with handle, connected rods and keys consisting a complete set:																	
	(a) With chromium plated handle.	Each	920	920	920	920	920	920	920	920	920	920	920	925	920	920	920	
	(b) With oxidised handle.	Each	756	756	756	756	756	756	756	756	756	756	756	771	756	756	756	
	(c) With anodised aluminium white handle.	Each	1005	1005	1005	1005	1005	1005	1005	1005	1005	1005	1005	1015	1005	1005	1005	
	(d) With anodised aluminium decorative handle.	Each	1055	1055	1055	1055	1055	1055	1055	1055	1055	1055	1055	1060	1055	1055	1055	
13	Renewing rebated iron mortice lock (local best approved quality) with handle, connected rods and keys consisting a complete set with I.S.I. mark.																	
	(a) With chromium plated handle.	Each	920	920	920	920	920	920	920	920	920	920	920	935	920	920	920	
	(b) With oxidised handle.	Each	756	756	756	756	756	756	756	756	756	756	756	771	756	756	756	
	(c) With anodised aluminium white handle.	Each	1015	1015	1015	1015	1015	1015	1015	1015	1015	1015	1015	1031	1015	1015	1015	
	(d) With anodised aluminium decorative handle.	Each	1080	1080	1080	1080	1080	1080	1080	1080	1080	1080	1080	1095	1080	1080	1080	
14	Renewing mortice lock handle with connected rod:																	
	(a) With chromium plated.	Pair	439	439	439	439	439	439	439	439	439	439	439	444	439	439	439	
	(b) Oxidised.	Pair	390	390	390	390	390	390	390	390	390	390	390	399	390	390	390	
	(c) Anodised aluminium (white).	Pair	489	489	489	489	489	489	489	489	489	489	489	500	489	489	489	
	(d) Anodised aluminium (decorative).	Pair	664	664	664	664	664	664	664	664	664	664	664	679	664	664	664	
15	Renewing 125mm long wooden buffer block																	
	i) With Sal : Siliguri.	Each	62	57	57	57	62	57	57	57	57	56	56	54	54	54	56	
	ii) With Sal : Malaysian	Each	55	51	51	51	55	51	51	51	51	51	52	-	-	-	-	
16	Renewing hinged cleat with old hinge and new screws.																	
	i) Sal : Siliguri.	Each	44	42	42	42	44	42	42	42	42	42	42	41	41	41	42	
	ii) Sal : Malaysian	Each	42	40	40	40	42	40	40	40	40	40	40	-	-	-	-	
	iii) Local Sal.	Each	40	40	40	40	40	40	40	40	40	40	40	40	39	39	39	

**SECTION I. -----BUILDING WORKS**

**(G) WOOD AND PVC WORKS**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
17	Renewing brass eye of hasp bolt.	Each	52	52	52	52	52	52	52	52	52	52	52	55	52	52	52	
18	Renewing 14 SWG woven wire netting only as per existing design including taking out old batten etc. (As necessary and fixing the same with new stapples and hooks)																	
	(a) 75mm x 75 mm mesh	Each	515	515	515	515	515	515	515	515	515	515	515	518	515	515	515	
	(b) 125mm x 125 mm mesh	Each	458	458	458	458	458	458	458	458	458	458	458	466	458	458	458	
19	Renewing twisted clamp 225mm long and 37.5mm x 6mm flat bar fitted and fixed to post plate and rafter with coach screws including drilling hole.	Each	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	
20	Refixing ceiling battens with new screws including fixing ceiling to position with new screws (excluding cost of ceiling).	Metre	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	
21	Labour for fitting and fixing different type of automatic door closer with necessary screws.	Each	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	
22	Taking out and refixing after oiling and cleaning including adjusting spring of different type of automatic door closer with necessary screw complete.	Each	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	
23	Renewing wood moulding (50mm x 37.5m) of panel partition or panel door.																	
	(a) With 1st class Best Indian teak.	Metre	293	267	257	257	293	257	255	255	255	255	255	267	255	255	255	
	(b) With Ordinary teak.	Metre	227	217	198	198	227	217	198	198	208	208	208	208	208	208	208	
	(c) With Gamari wood.	Metre	157	148	148	148	157	148	148	148	148	148	153	153	148	148	148	
24	Renewing X.P.M. including taking out and refixing with old battens but with new screws etc. complete.																	
	(a) 25mm x 75mm strand 3.25mm x 1.6mm.	Sq.M	457	457	457	457	457	457	457	457	457	457	457	467	457	457	457	
	(b) 25mm x 75mm strand 3.25mm x 3.15mm.	Sq.M	493	493	493	493	493	493	493	493	493	493	493	503	493	493	493	
	(c) 20mm x 50mm strand 2.5mm x 1.25mm.	Sq.M	467	467	467	467	467	467	467	467	467	467	467	477	467	467	467	
	(d) 40mm x 115mm mesh 3mm x 3mm.	Sq.M	545	545	545	545	545	545	545	545	545	545	545	561	545	545	545	
	(e) 12mm x 50mm mesh 6mm x 1.5mm.	Sq.M	618	618	618	618	618	618	618	618	618	618	618	634	618	618	618	
25	Renewing X.P.M. including taking out and refixing with new battens made of local wood of size 50mmx25mm and new screws etc. complete.																	
	(a) 25mm x 75mm strand 3.25mm x 1.6mm.	Sq.M	960	936	936	936	960	936	936	936	936	936	936	946	931	931	931	
	(b) 25mm x 75mm strand 3.25mm x 3.15mm.	Sq.M	996	972	972	972	996	972	972	972	972	972	972	982	966	966	966	
	(c) 20mm x 50mm strand 2.5mm x 1.25mm.	Sq.M	959	935	935	935	959	935	935	935	935	935	935	946	930	930	930	

**SECTION 1. -----BUILDING WORKS**

**(G) WOOD AND PVC WORKS**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri,Alipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
	(d) 40mm x 115mm mesh 3mm x 3mm.	Sq.M	1038	1013	1013	1013	1038	1013	1013	1013	1013	1013	1013	1029	1008	1008	1008	
	(e) 12mm x 50mm mesh 6mm x 1.5mm.	Sq.M	911	887	887	887	911	887	887	887	887	887	887	903	882	882	882	
26	Taking out and refixing wire netted frames or shutters including providing new screws.	Sq.M	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	
27	Renewing IRC fabric mesh of 75mm x 50mmx4.5mmx2.7mm on 50mm x 50mm x 6mm old angle iron frames all round and one 37.5mm x 6mm M.S. flat bar over the netting all round welded to angle iron frame and providing locking arrangements if necessary and with two coats of synthetic enamel paint(Other than Hi-gloss) fitted and fixed with clamps or haskal doomney etc. complete including flat stiffeners on every 1.0 m apart both ways. Cost of Concrete for fixing will be paid separately)	Sq.M	1499	1499	1499	1499	1499	1499	1499	1499	1499	1499	1499	1508	1499	1499	1499	
28	Renewing brass hasp and staple for locking arrangement 100mm long with brass screws complete.	Each	49	49	49	49	49	49	49	49	49	49	49	50	49	49	49	
29	Repairs to automatic door closer including replacement of damaged main spring, oiling and adjusting as necessary including taking out and refitting the same.	Each	318	318	318	318	318	318	318	318	318	318	318	328	318	318	318	
30	Labour for taking out door and window frame including shutter for repair or replacement of different parts of the frame & refixing the same including mending good all damaes complete. (Concrete and brick work for mending damage will be paid separately)																	
	(a) Upto area 2.5 Sq.m	Sq.M	119	119	119	119	119	119	119	119	119	119	119	119	119	119	119	
	(b) Above area 2.5 Sq.m	Sq.M	146	146	146	146	146	146	146	146	146	146	146	146	146	146	146	
31	Taking out shutter of door and window, dismantling by parts (for repair or replacement of damaged parts), reassembling and refitting and rehanging same with old fittings but with new screws as necessary. (Where different parts of same shutter are renewed under different item, payment under item 73 will be made once only).	Sq.M	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	
32	Taking out door and window shutters and rehanging the same with old fittings.																	
	(a) With new iron screws.	Sq.M	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	
	(b) With old screws.	Sq.M	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	
33	Easing door and windows.	Each	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	

**SECTION 1. -----BUILDING WORKS**

**(G) WOOD AND PVC WORKS**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri,Alipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
34	Renewing plated hook of Venetian Valve with screws.	Each	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	
35	Renewing valve rod of size 37.5mmx 37.5mm for Venetian Shutters fitted and fixed with old plated screw																	
	(a) Sishu, Gamar, Champ,Badam,Bhola, Mogra, Hallak.	Metre	296	283	283	283	296	283	283	283	283	283	283	290	283	283	283	
	(b) Other Local Wood.	Metre	199	184	184	184	199	184	184	184	184	184	184	184	186	186	186	
36	Strengthening corners of shutters with M.S. corner plate fitted with screws:																	
	(a) With 4.5mm thick plate.	Each	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	
	(b) With 3.0mm thick plate.	Each	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	
	(c) With 1.5mm thick plate.	Each	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	
37	Renewing gauge bar (40 x 40 mm) of glazed shutter to match with the existing one.																	
	(a) Sishu, Gamar, Champ,Badam,Bhola, Mogra, Hallak.	Metre	233	225	225	225	233	225	225	225	225	225	225	230	225	225	225	
	(c) Other Local Wood.	Metre	174	165	165	165	174	165	165	165	165	165	165	165	166	166	166	
38	Renewing 12mm. Thick louver of fixed lauvered shutter to match with the existing one including necessary railing pieces:																	
	(a) Ordinary Teak Wood.	Sq.M	1854	1815	1738	1738	1854	1815	1738	1738	1777	1777	1777	1777	1777	1777	1777	
	(b) Sishu, Gamar, Champ,Badam,Bhola, Mogra, Hallak.	Sq.M	1580	1546	1546	1546	1580	1546	1546	1546	1546	1546	1546	1565	1546	1546	1546	
	(c) Other Local Wood.	Sq.M	1329	1291	1291	1291	1329	1291	1291	1291	1291	1291	1291	1291	1295	1295	1295	
39	Styles and rails of wooden shutters fitted and fixed complete. (Payment to be made on area of new work only). In Ground Floor:																	
	(i) For 25mm. Thick shutter.																	
	(a) Ordinary Teak Wood.	Sq.M	2410	2318	2134	2134	2410	2318	2134	2134	2226	2226	2226	2226	2226	2226	2226	
	(b) Sishu, Gamar, Champ,Badam,Bhola, Mogra, Hallak.	Sq.M	1755	1673	1673	1673	1755	1673	1673	1673	1673	1673	1673	1719	1673	1673	1673	
	(c) Other Local Wood.	Sq.M	1155	1065	1065	1065	1155	1065	1065	1065	1065	1065	1065	1065	1074	1074	1074	
	(ii) 35mm Thick shutter.																	
	(a) Ordinary Teak Wood.	Sq.M	3198	3070	2815	2815	3198	3070	2815	2815	2943	2943	2943	2943	2943	2943	2943	
	(b) Sishu, Gamar, Champ,Badam,Bhola, Mogra, Hallak.	Sq.M	2292	2178	2178	2178	2292	2178	2178	2178	2178	2178	2178	2241	2178	2178	2178	
	(c) Other Local Wood.	Sq.M	1458	1332	1332	1332	1458	1332	1332	1332	1332	1332	1332	1332	1344	1344	1344	

**SECTION 1. -----BUILDING WORKS**

**(G) WOOD AND PVC WORKS**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri,Alipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
	<b>(iii) 37.5mm. Thick shutter.</b>																	
	(a) Ordinary Teak Wood.	Sq.M	3319	3185	2916	2916	3319	3185	2916	2916	3050	3050	3050	3050	3050	3050	3050	
	(b) Sishu, Gamar, Champ,Badam,Bhola, Mogra, Hallak.	Sq.M	2365	2245	2245	2245	2365	2245	2245	2245	2245	2245	2245	2312	2245	2245	2245	
	(c) Other Local Wood.	Sq.M	1487	1354	1354	1354	1487	1354	1354	1354	1354	1354	1354	1354	1368	1368	1368	
	<b>(iv) 40mm. Thick shutter.</b>																	
	(a) Ordinary Teak Wood.	Sq.M	3520	3375	3084	3084	3520	3375	3084	3084	3229	3229	3229	3229	3229	3229	3229	
	(b) Sishu, Gamar, Champ,Badam,Bhola, Mogra, Hallak.	Sq.M	2487	2357	2357	2357	2487	2357	2357	2357	2357	2357	2357	2429	2357	2357	2357	
	(c) Other Local Wood.	Sq.M	1536	1392	1392	1392	1536	1392	1392	1392	1392	1392	1392	1392	1406	1406	1406	
	<b>(v) 45mm. Thick shutter.</b>																	
	(a) Ordinary Teak Wood.	Sq.M	3885	3720	3389	3389	3885	3720	3389	3389	3554	3554	3554	3554	3554	3554	3554	
	(b) Sishu, Gamar, Champ,Badam,Bhola, Mogra, Hallak.	Sq.M	2709	2561	2561	2561	2709	2561	2561	2561	2561	2561	2561	2643	2561	2561	2561	
	(c) Other Local Wood.	Sq.M	1626	1462	1462	1462	1626	1462	1462	1462	1462	1462	1462	1462	1479	1479	1479	
	<b>(vi) 50mm. Thick shutter.</b>																	
	(a) 1st class best Indian teak.	Sq.M	5438	4966	4785	4785	5438	4785	4749	4749	4749	4749	4749	4966	4749	4749	4749	
	(b) Ordinary Teak Wood.	Sq.M	4241	4060	3698	3698	4241	4060	3698	3698	3879	3879	3879	3879	3879	3879	3879	
	<b>(This is a repair Item, Item No. E (31) will be admissible in addition). Lifting Charges for upper floors refer item H(2).</b>																	
40	Panel (made of single plank) of door and window shutters to design as directed: In Ground Floor (Payment to be made on area of exposed new work). (In case of non-supply of single plank penal rate of reduction to a maximum of 30% will be made).																	
	<b>(i) 12mm Thick panel of 30cm to 45cm width</b>																	
	(a) Ordinary Teak Wood.	Sq.M	1167	1136	1073	1073	1167	1136	1073	1073	1104	1104	1104	1104	1104	1104	1104	
	(b) Sishu, Gamar, Champ,Badam,Bhola, Mogra, Hallak.	Sq.M	945	917	917	917	945	917	917	917	917	917	917	932	917	917	917	
	(c) Other Local Wood.	Sq.M	1325	1161	1161	1161	1325	1161	1161	1161	1161	1161	1161	1161	1177	1177	1177	
	<b>(ii) 19mm thick panel of 30cm to 45cm width</b>																	
	(a) Ordinary Teak Wood.	Sq.M	1530	1478	1375	1375	1530	1478	1375	1375	1427	1427	1427	1427	1427	1427	1427	
	(b) Sishu, Gamar, Champ,Badam,Bhola, Mogra, Hallak.	Sq.M	1164	1118	1118	1118	1164	1118	1118	1118	1118	1118	1118	1144	1118	1118	1118	
	(c) Other Local Wood.	Sq.M	827	777	777	777	827	777	777	777	777	777	777	777	782	782	782	

**SECTION 1. -----BUILDING WORKS**  
**(G) WOOD AND PVC WORKS**

Item No.	Description of Items	Unit	Rate (Rs.)														REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri,Alipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	
	(iii) 25mm thick panel of 30cm to 45cm width																
	(a) 1st class best Indian teak.	Sq.M	2310	2129	2060	2060	2310	2060	2046	2046	2046	2046	2046	2129	2046	2046	2046
	(b) Ordinary Teak Wood.	Sq.M	1852	1782	1644	1644	1852	1782	1644	1644	1713	1713	1713	1713	1713	1713	1713
	(c) Sishu, Gamar, Champ,Badam,Bhola, Mogra, Hallak.	Sq.M	1359	1297	1297	1297	1359	1297	1297	1297	1297	1297	1297	1331	1297	1297	1297
	(d) Other Local Wood.	Sq.M	827	777	777	777	827	777	777	777	777	777	777	777	782	782	782
	(This is a repair Item Item No. E (31) will be admissible in addition). Lifting Charges for upper floors refer item H(2).																
41	Renewing hessian only of ceiling including taking out old battens etc. (as necessary) and refixing same with new screws.	Sq.M.	82	82	82	82	82	82	82	82	82	82	82	87	82	82	82
42	Renewing canvas only of ceiling including taking out old battens etc. and refixing the same with new screws.	Sq.M.	117	117	117	117	117	117	117	117	117	117	117	122	117	117	117
43	Taking out existing partition/ceiling of particle board, masonite board, ply board, soft board etc. of any thickness and refixing same in new position with necessary clamps making holes in walls, floor, roof and mending damages if any.[concrete plaster will be paid separately]	Sq.M.	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55
44	Easing drawers of laboratory tables of any size (labour only)	Each	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
45	Easing tower wrench, barrel, skeleton, socket bolt etc. by scraping and oiling.	Each	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
46	Taking Out and Refixing wooden moulded knobs of drawers fitted and fixed complete.	Each	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
47	Renewing square or hexagonal mesh netting only (made with 18 B.W.G. galvanised wire) as per existing design including taking out old battens etc. (as necessary) and refixing with new screws:																
	(a) 19mm mesh.	Sq.M.	217	217	217	217	217	217	217	217	217	217	217	222	217	217	217
	(b) 25mm mesh	Sq.M.	192	192	192	192	192	192	192	192	192	192	192	196	192	192	192
	(c) 37.5mm mesh	Sq.M.	174	174	174	174	174	174	174	174	174	174	174	178	174	174	174
48	Renewing G.I. sheet door with old sheet but with new local sal wood frame (styles, rails and diagonal braces 100mm x 35mm) including fitting, fixing with proper screws and rehangng shutter with haskal and doomney (excluding the cost of haskal and doomney).	Sq.M.	1733	1650	1650	1650	1733	1650	1650	1650	1650	1650	1650	1650	1631	1631	1631

**SECTION 1. -----BUILDING WORKS**

**(G) WOOD AND PVC WORKS**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
49	Renewing G.I. sheet door with new sheet 0.63mm th. but with old local sal wood frame (styles, rails and diagonal braces 100mm x 35mm) including fitting, fixing with proper screws and rehanging shutter with haskal and doomney (excluding the cost of haskal and doomney).	Sq.M.	754	754	754	754	754	754	754	754	754	754	754	754	754	754		
50	Taking out door shutter and rehanging the same by fixing aluminium sheet [0.457 mm] with proper nail etc.	Sq..M	603	603	603	603	603	603	603	603	603	603	603	623	603	603	603	
	<b><u>F. FALSE CEILING</u></b>																	
1	Providing and fixing of false ceiling with powder coated exposed G.I. grid suspension system (E-Grid T 2430/1510 or equivalent load carrying capacity with mid span deflection not exceeding 1/360 span with hanger spacing of 1200mm c/c ) consisting of Main Runner 3600 mm long, Cross Tee 1200 mm / 600 mm long and Wall Angle. The Wall Angle shall be fixed on PVC Dash Fasteners on the perimeter of the wall by steel screws with distance 300mm c/c. The Main Runners to be placed @ 1200 mm. The Cross Tee 1200mm will be inserted in the pre-cut slots of Main Runner at regular interval of 600 mm to form a modular grid of 1200mm X 600mm. Additional Cross Tees of 600 mm shall be placed perpendicular to the Cross Tee 1200 mm long to finally form a grid of 600 mm X 600 mm. Grid of module size 600 mm X 600 mm shall be supported by 6 mm dia G.I. wire from purlins / soffit. 4 mm thick High Pressure Steam Cured Non Asbestos Fibre Cement Standard Ceiling Board (Density > 1300 Kg/m3) of size 595 mm X 595 mm, conforming IS 14862 & Type B Category III of ISO 8336, tested as per AS-1530 part 3 & BS-476 Part 4,5,6,7 & 8, should be placed in the Grid module to form a False Ceiling. All complete as per the drawing & directions of Engineer-in-charge. In ground floor																	
	a) False Ceiling (with 4mm thick Fibre Cement Standard Ceiling Board and E-Grid T-2430/1510).	Sq.M	547	547	547	547	547	547	547	547	547	547	547	532	547	547	547	



**SECTION 1. -----BUILDING WORKS**

**(G) WOOD AND PVC WORKS**

Item No.	Description of Items	Unit	Rate (Rs.)														REMARKS	
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri,Alipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS		Uttar/ Dakshin Dinajpur Dist.
2	(A) Providing and fixing of false ceiling with powder coated exposed G.I. grid suspension system (E-Grid T 2430 or equivalent load carrying capacity with mid span deflection not exceeding 1/360 span with hanger spacing of 1200mm c/c) consisting of Main Runner 3600 mm long, Cross Tee 1200 mm / 600 mm long and Wall Angle. The Wall Angle shall be fixed on PVC Dash Fasteners on the perimeter of the wall by steel screws with distance 300mm c/c. The Main Runners to be placed @ 1200 mm. The Cross Tee 1200mm will be inserted in the pre-cut slots of Main Runner at regular interval of 600 mm to form a modular grid of 1200mm X 600mm. Additional Cross Tees of 600 mm shall be placed perpendicular to the Cross Tee 1200 mm long to finally form a grid of 600 mm X 600 mm. Grid of module size 600 mm X 600 mm shall be supported by 6 mm dia G.I. wire from purlins / soffit. 6 mm thick High Pressure Steam Cured Non Asbestos Fibre Cement Standard Ceiling Board (Density > 1300 Kg/m3) of size 595 mm X 595 mm, conforming IS 14862 & Type B Category III of ISO 8336, tested as per AS-1530 part 3 & BS-476 Part 4,5,6,7 & 8, should be placed in the Grid module to form a False Ceiling. All complete as per the drawing & directions of Engineer-in-charge. In ground floor.																	
	False Ceiling (with 6mm thick Fibre Cement Standard Ceiling Board and E-Grid T-2430).	Sq.M	591	591	591	591	591	591	591	591	591	591	591	604	591	591	591	

**SECTION 1. -----BUILDING WORKS**

**(G) WOOD AND PVC WORKS**

Item No.	Description of Items	Unit	Rate (Rs.)														REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri,Alipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	
3	(A) Providing and fixing of false ceiling with powder coated exposed G.I. grid suspension system (E-Grid T 2430 or equivalent load carrying capacity with mid span deflection not exceeding 1/360 span with hanger spacing of 1200mm c/c ) consisting of Main Runner 3600 mm long, Cross Tee 1200 mm / 600 mm long and Wall Angle. The Wall Angle shall be fixed on PVC Dash Fasteners on the perimeter of the wall by steel screws with distance 300mm c/c. The Main Runners to be placed @ 1200 mm. The Cross Tee 1200mm will be inserted in the pre-cut slots of Main Runner at a regular interval of 600 mm to form a modular grid of 1200mm X 600mm. Additional Cross Tees of 600 mm shall be placed perpendicular to the Cross Tee 1200 mm long to finally form a grid of 600 mm X 600 mm. Grid of module size 600 mm X 600 mm shall be supported by 6 mm dia G.I. wire from purlins / soffit. 6 mm thick High Pressure Steam Cured Non Asbestos Fibre Cement Standard Ceiling Board (Density > 1300 Kg/m3) of size 595 mm X 595 mm, conforming IS 14862 & Type B Category III of ISO 8336, tested as per AS-1530 part 3 & BS-476 Part 4,5,6,7 & 8, should be placed in the Grid module to form a False Ceiling. All complete as per the drawing & directions of Engineer-in-charge. In ground floor.																
	A) False Ceiling (with 6mm thick Fibre Cement Designer Board and E-Grid T-2430).	Sq.M	686	686	686	686	686	686	686	686	686	686	686	702	686	686	686

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**(G) WOOD AND PVC WORKS**

Item No.	Description of Items	Unit	Rate (Rs.)														REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalinpong except plains of Siliguri Sub Divn.	Jalpaiguri,Alipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	
	<b>(B) False Ceiling with concealed metal (G.I.) Framework :</b> Providing and fixing in position 6 mm. thick High Pressure Steam cured non-asbestos Fiber Cement Ceiling Board (Density > 1250 Kg/M3) Confirming IS 14862 & Type - B Category - III of ISO 8336, Tested as per AS-1530 Part - 3 & BS-476 Part - 4,5,6,7 & 8 fixed to G.I. Section (perimeter channels having one flange of 20 mm. and another flange of 30 mm. with thickness of 0.55 mm. and web of length 27 mm., along the perimeter of the ceiling, screws fixed to the wall with help of nylon sleeves or PVC dash fastners @ 610 mm c/c. then suspend G.I. intermediate 'C' section with web 45 mm. and flanges of 15 mm. each from soffit @ 1200 mm c/c with ceiling angle of size 25 mm. X 10 mm. X 0.55 mm. fixed to soffit G.I. Cleat and Steel expansion fasteners. Ceiling section of 0.55 mm. thickness having web of 51.5 mm. and two flanges of 26 mm. each with lips of 10.55 mm., are then fixed on to the intermediate channel with the help of connecting clips in the direction perpendicular to the intermediate channel @ 610 mm c/c) with fully threaded fiber cement screws @ 300 mm c/c. All complete as per the drawing and direction of Engineer-in-Charge. Jointing should be done by Elasto jointing compound and top finish with putty as specified by manufacturer.																
	Section specification :- Perimeter Channel 30 mm X 20 mm X 27 mm, thickness 0.55 mm (min). Intermediate Channel :- 15 mm X 45 mm, thickness 0.90 mm (min). Ceiling Section:51.5 mm X 26 mm X 10.55 mm, thickness 0.55 mm (min). Ceiling Angle:25 mm X 10 mm, thickness 0.55 mm (min). In ground floor.																
	False Ceiling (with 6mm thick Fibre Cement Standard Ceiling Board and E-Grid T-2430).	Sq.M	589	589	589	589	589	589	589	589	589	589	589	599	589	589	589

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**(G) WOOD AND PVC WORKS**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri,Alipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
4	Providing and fixing of false ceiling with powder coated exposed G.I. grid suspension system (E-Grid T 2430/1510 or equivalent load carrying capacity with mid span deflection not exceeding 1/360 span with hanger spacing of 1200mm c/c ) consisting of Main Runner 3600 mm long, Cross Tee 1200 mm / 600 mm long and Wall Angle. The Wall Angle shall be fixed on PVC Dash Fasteners on the perimeter of the wall by steel screws with distance 300mm c/c. The Main Runners to be placed @ 1200 mm. The Cross Tee 1200mm will be inserted in the pre-cut slots of Main Runner at a regular interval of 600 mm to form a modular grid of 1200mm X 600mm. Additional Cross Tees of 600 mm shall be placed perpendicular to the Cross Tee 1200 mm long to finally form a grid of 600 mm X 600 mm. Grid of module size 600 mm X 600 mm shall be supported by 6 mm dia G.I. wire from purlins / soffit. 4 mm thick High Pressure Steam Cured Non Asbestos pearl designer Fibre Cement Standard Ceiling Board (Density > 1500 Kg/m3) of size 595 mm X 595 mm, conforming IS 14862 & Type A Category IV of ISO 8336, tested as per AS-1530 part 3 & BS-476 Part 4,5,6,7 & 8, should be placed in the Grid module to form a False Ceiling. All complete as per the drawing & directions of Engineer-in-charge. In ground floor.																	
	a) False Ceiling (with 4mm thick Pearl Designer Fibre Cement Board and E-Grid T-2430/1510).	Sq.M	705	705	705	705	705	705	705	705	705	705	705	717	705	705	705	

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**(G) WOOD AND PVC WORKS**

Item No.	Description of Items	Unit	Rate (Rs.)														REMARKS	
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri,Atipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS		Uttar/ Dakshin Dinajpur Dist.
5	Providing and fixing of false ceiling with powder coated exposed G.I. grid suspension system (E-Grid T 2430/1510 or equivalent load carrying capacity with mid span deflection not exceeding 1/360 span with hanger spacing of 1200mm c/c ) consisting of Main Runner 3600 mm long, Cross Tee 1200 mm / 600 mm long and Wall Angle. The Wall Angle shall be fixed on PVC Dash Fasteners on the perimeter of the wall by steel screws with distance 300mm c/c. The Main Runners to be placed @ 1200 mm. The Cross Tee 1200mm will be inserted in the pre-cut slots of Main Runner at a regular interval of 600 mm to form a modular grid of 1200mm X 600mm. Additional Cross Tees of 600 mm shall be placed perpendicular to the Cross Tee 1200 mm long to finally form a grid of 600 mm X 600 mm. Grid of module size 600 mm X 600 mm shall be supported by 6 mm dia G.I. wire from purlins / soffit. 4 mm thick High Pressure Steam Cured Non Asbestos Fibre Cement designer Ceiling Board (Density > 1300 Kg/m3) of size 595 mm X 595 mm, conforming IS 14862 & Type B Category III of ISO 8336, tested as per AS-1530 part 3 & BS-476 Part 4,5,6,7 & 8, should be placed in the Grid module to form a False Ceiling. All complete as per the drawing & directions of Engineer-in-charge. In ground floor.																	
	a) False Ceiling (with 4mm thick Fibre Cement Designer Board and E-Grid T-2430/1510).	Sq.M	582	582	582	582	582	582	582	582	582	582	582	599	582	582	582	

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**(G) WOOD AND PVC WORKS**

Item No.	Description of Items	Unit	Rate (Rs.)														REMARKS	
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri,Alipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS		Uttar/ Dakshin Dinajpur Dist.
6	Providing and fixing of false ceiling with powder coated exposed G.I. grid suspension system (E-Grid U-1520 or equivalent load carrying capacity with mid span deflection not exceeding 1/360 span with hanger spacing of 1200mm c/c ) consisting of Main Runner 3600 mm long, Cross Tee 1200 mm / 600 mm long and Wall Angle. The Wall Angle shall be fixed on PVC Dash Fasteners on the perimeter of the wall by steel screws with distance 300mm c/c. The Main Runners to be placed @ 1200 mm. The Cross Tee 1200mm will be inserted in the pre-cut slots of Main Runner at a regular interval of 600 mm to form a modular grid of 1200mm X 600mm. Additional Cross Tees of 600 mm shall be placed perpendicular to the Cross Tee 1200 mm long to finally form a grid of 600 mm X 600 mm. Grid of module size 600 mm X 600 mm shall be supported by 6 mm dia G.I. wire from purlins / soffit. 15mm thick OW Acoustic Board (Mineral Fiber Acoustic Ceiling Tiles) of approved patern and size 595mm X 595mm with NRC value > 0.65 should be placed in the Grid module to form a False Ceiling. All complete as per the drawing & directions of Engineer-in-charge. In ground floor.																	
	a) Acoustic False Ceiling (with 15mm thick OW Acoustic Board and E-Grid U-1520).	Sq.M	1357	1357	1357	1357	1357	1357	1357	1357	1357	1357	1357	1376	1357	1357	1357	
7	Ceiling with 12mm thick wooden planks fitted and fixed complete (excluding the supporting framework) as per direction of the Engineer-in-charge. In Ground Floor																	
	(a) Ordinary Teak	Sq.M.	1457	1394	1267	1267	1457	1394	1267	1267	1330	1330	1330	1330	1330	1330	1330	
	(b) Sishu / Champ / Badam / Gamar / Bhola / Mogra / Hallak	Sq.M.	1007	951	951	951	1007	951	951	951	951	951	951	982	951	951	951	
	(For upper floors refer to item H (4) for items 1 to 7 under subhead F)																	
8	Hessian ceiling as per design fitted and fixed complete (excluding supporting framework but including necessary timber battens).[excluding the cost of supporting frame work and teak wood batten/Lipping but including necessary wood battens of size 25 mm x 25 mm).																	
	(a) Malayasian Sal	Sq.M.	204	195	195	195	204	195	196	196	196	196	198					
	(b) Local Sal	Sq.M.	198	192	192	192	198	192	192	192	192	192	192	198	191	191	191	
	(c) Sishu / Champ / Badam / Gamar / Bhola / Mogra / Hallak	Sq.M.	196	190	190	190	196	190	190	190	190	190	190	199	190	190	190	

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**(G) WOOD AND PVC WORKS**

Item No.	Description of Items	Unit	Rate (Rs.)														REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri,Alipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	
9	Canvas ceiling as per design fitted and fixed complete (excluding the supporting framework but including necessary wood battens of size 25 mmx25mm).																
	(a) Malayasian Sal	Sq.M.	240	231	231	231	240	231	232	232	232	232	233				
	(b ) Sal : Local	Sq.M.	233	227	227	227	233	227	227	227	227	227	227	232	226	226	226
	(c) Sishu / Champ / Badam / Gamar / Bhola / Mogra / Hallak	Sq.M.	231	226	226	226	231	226	226	226	226	226	226	233	226	226	226
10	Ceiling of soft-insulation boards (12mm thick) as per design fitted and fixed complete (excluding the support framework but including necessary wood battens of size 40 mmx25 mm). In ground floor.																
	(a) Ordinary Teak	Sq.m.	557	546	525	525	557	546	525	525	536	536	536	546	536	536	536
	(b) Sal : Local	Sq.m.	486	476	476	476	486	476	476	476	476	476	476	487	474	474	474
	(For upper floors refer to item H(4) also)																
11	Ceiling of masonite board as per design fitted and fixed complete (excluding the supporting framework but including necessary wood battens of size 40 mmx25 mm). In ground floor																
	(i) 4.5mm thick																
	(a) Ordinary Teak	Sq.M.	532	522	501	501	532	522	501	501	511	511	511	522	511	511	511
	(b) Sal Local	Sq.M.	461	452	452	452	461	452	452	452	452	452	452	463	450	450	450
	(ii) 6.0mm thick																
	(a) Ordinary Teak	Sq.M.	567	557	536	536	567	557	536	536	546	546	546	559	546	546	546
	(b) Sal Local	Sq.M.	496	487	487	487	496	487	487	487	487	487	487	499	485	485	485
	(For upper floors refer to item H(4) also)																
12	Ceiling of commercial ply as per design fitted and fixed complete (excluding the supporting framework but including necessary wood battens of size 40mm x 20mm ). In ground floor																
	(i) 4mm thick																
	(a) Sal Local	Sq.M.	564	555	555	555	564	555	555	555	555	555	555	628	553	553	553
	(ii) 6mm thick																

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**(G) WOOD AND PVC WORKS**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
	(a) Sal Local	Sq.M.	721	712	712	712	721	712	712	712	712	712	712	801	710	710	710	
	(iii) 12mm thick																	
	(a) Ordinary Teak	Sq.M.	1054	1044	1023	1023	1054	1044	1023	1023	1033	1033	1033	1086	1033	1033	1033	
	(For upper floors refer to item H(4) also)																	
13	Providing and fixing thermal insulation of ceiling (under deck insulation) with Resin Bonded Rockwool conforming to IS: 8183, density 48 kg/m3, 50m mm thick, wrapped in 200 G Virgin Polythene bags fixed to ceiling with metallic cleats (50x50x3 mm) @ 60 cm and wire mesh of 12.5 mm x 24 gauge wire mesh for top most ceiling of building	Sqm.	546	546	546	546	546	546	546	546	546	546	546	546	546	546	546	
14	Providing and fixing thermal insulation of ceiling with Resin Bonded Rockwool conforming to IS: 8183, density 48 kg/m3, 50m mm thick, wrapped in 200 G Virgin Polythene bags placed over existing false ceiling and held in position by criss-crossing GI wire.	Sqm.	281	281	281	281	281	281	281	281	281	281	281	281	281	281	281	
15	Providing and fixing thermal insulation with Resin Bonded Rockwool conforming to IS: 8183, having density 48 kg/m3, 50m mm thick, wrapped in 200 G Virgin Polythene bags fixed to wall with screw, rawel plug & washers and held and in position by criss-crossing GI wire etc. Complete as per directions of Engineer-in-Charge.	Sqm.	283	283	283	283	283	283	283	283	283	283	283	283	283	283	283	
16	Providing and laying roof insulation with 40 mm thick impervious sprayed, closed cell free Rigid Polyurethane foam over deck insulation conforming to IS - 12432 Pt. III (density of foam being 40-45 kg/cum), over a coat of polyurethane primer applied @ 6-8 sqm per litre, laying 400 G polythene sheet over PUF spray in panels of 2.5 m x 2.5 m and embedding with 24 G wire netting and sealing the joints with polymerized mastic, all complete as per direction of Engineer-in-Charge.	Sqm.	959	959	959	959	959	959	959	959	959	959	959	959	959	959	959	



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**(G) WOOD AND PVC WORKS**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri,Alipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
17	M.F. suspended ceiling made with 12.5 mm thick Gypsum plaster board including G.I. perimeter channel of 0.55 mm flush (having two flanges 20 mm and 30 mm respectively and web 27 mm ) along with perimeter of ceiling with G.I. intermediate channel of 0.9 mm thick size 45 mmx15mm placed at 750 mm c/c with G.I. ceiling angle of size 25 mmx10mmx0.55 mm thick fixed to the ceiling with G.I. Cleat and steel expansion fastener ceiling section 0.55 mm thick of size 51.50 mmx26mm fixed to the intermediate channels with the help of connecting clip and in the direction of perpendicular to the intermediate channel of 300 mm c/c 12.5 mm thick Gypsum plastered board are to be fixed under ceiling section as above by machine screws. The boards are to be joined and finished with jointing compound, paper tape and application of top coat etc. as per the direction of Engineer-in-charge. (The rate includes of cost of all materials including taxes, cost of accessories, fittings and fixtures, scaffolding and labour charges etc. complete) In ground floor	Sq.M.	1159	1159	1159	1159	1159	1159	1159	1159	1159	1159	1159	1174	1159	1159	1159	
18	<b>P.V.C- False Ceiling :</b> Providing False Ceiling made with framework of steel tube of 40mm x 20mm of not less than 18 gauge,the long and cross section will be welded with each other 1000mm to 1200mm apart the entire framework will be fixed in wall using rawlplug or gutties or screws etc. and suspended from ceiling with M.S flat 19mmx3mm as necessary,the entire frame will be painted with red oxide. PRINTED LAMINATED P.V.C Section 150mm x 12mmx 1.00mm (+/- 0.01mm) of approved quality and colour will be fixed on the frame so that the entire framework will not be visible from below P.V.C Section will be fixed with the frame with the help of self tapping steel screws including all materials and labour charges including fitting,fixing the same and hoisting including mending the damages in all respect and cost of paint as required as per direction of Engineer-in-Charge . In ground floor.	Sq.M	1394	1394	1394	1394	1394	1394	1394	1394	1394	1394	1394	1456	1394	1394	1394	

**SECTION 1. -----BUILDING WORKS**

**(G) WOOD AND PVC WORKS**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri,Alipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
19	Supplying, fitting and fixing of false ceiling framework with powder coated exposed G.I. grid suspension system (E-Grid T 2430/1510 or equivalent load carrying capacity with mid span deflection not exceeding 1/360 span with hanger spacing of 1200mm c/c ) consisting of Main Runner 3600 mm long, Cross Tee 1200 mm / 600 mm long and Wall Angle. The Wall Angle shall be fixed on PVC Dash Fasteners on the perimeter of the wall by steel screws with distance 300mm c/c. The Main Runners to be placed @ 1200 mm. The Cross Tee 1200mm will be inserted in the pre-cut slots of Main Runner at regular interval of 600 mm to form a modular grid of 1200mm X 600mm. Additional Cross Tees of 600 mm shall be placed perpendicular to the Cross Tee 1200 mm long to finally form a grid of 600 mm X 600 mm. Grid of module size 600 mm X 600 mm shall be supported by 6 mm dia G.I. wire from purlins / soffit. all complete as per drawing & directions of Engineer-in-charge.	Sq.M.	341	341	341	341	341	341	341	341	341	341	341	344	341	341	384	
20	Supplying, fitting and fixing of false ceiling framework with powder coated exposed G.I. grid suspension system (E-Grid U-1520 or equivalent load carrying capacity with mid span deflection not exceeding 1/360 span with hanger spacing of 1200mm c/c ) consisting of Main Runner 3600 mm long, Cross Tee 1200 mm / 600 mm long and Wall Angle. The Wall Angle shall be fixed on PVC Dash Fasteners on the perimeter of the wall by steel screws with distance 300mm c/c. The Main Runners to be placed @ 1200 mm. The Cross Tee 1200mm will be inserted in the pre-cut slots of Main Runner at a regular interval of 600 mm to form a modular grid of 1200mm X 600mm. Additional Cross Tees of 600 mm shall be placed perpendicular to the Cross Tee 1200 mm long to finally form a grid of 600 mm X 600 mm. Grid of module size 600 mm X 600 mm shall be supported by 6 mm dia G.I. wire from purlins/ soffit all complete as per the drawing & directions of Engineer-in-charge.	Sq.M.	467	467	467	467	467	467	467	467	467	467	467	578	467	467	467	

**SECTION 1. -----BUILDING WORKS**

**(G) WOOD AND PVC WORKS**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri,Alipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
21	Supplying fitting & fixing concealed False ceiling Framework with G.I. Section (perimeter channels having one flange of 20 mm. and another flange of 30 mm. with thickness of 0.55 mm. and web of length 27 mm., along the perimeter of the ceiling, screws fixed to the wall with help of nylon sleeves or PVC dash fastners @ 610 mm c/c. then suspend G.I. intermediate 'C' section with web 90 mm. and flanges of 15 mm. each from soffit @ 1200 mm c/c with ceiling angle of size 25 mm. X 10 mm. X 0.55 mm. fixed to soffit G.I. Cleat and Steel expansion fasteners. Ceiling section of 0.55 mm. thickness having web of 51.5 mm. and two flanges of 26 mm. each with lips of 10.55 mm., are then fixed on to the intermediate channel with the help of connecting clips in the direction perpendicular to the intermediate channel @ 610 mm c/c) with fully threaded fiber cement screws @ 300 mm c/c. all complete as per the drawing and direction of Engineer-in-Charge. Section specification :- Perimeter Channel :- 30 mm X 20 mm X 27 mm, thickness 0.55 mm (min), Intermediate Channel :- 15 mm X 90 mm, thickness 0.90 mm (min), Ceiling Section :- 51.5 mm X 26 mm X 10.55 mm, thickness 0.55 mm (min), Ceiling Angle :- 25 mm X 10 mm, thickness 0.55 mm (min).	Sq.M.	351	351	351	351	351	351	351	351	351	351	351	405	351	351	351	
22	Supplying,fitting & fixing in position suspended false ceiling with frame work of aluminium hollow section of size 50mm X 25mm (2.0mm thickness) combined with aluminium corners of size 38mm X 25mm, suspended by aluminium hollow tube section of size 38mm X 25mm having size of 600mm X 600mm ceiling with aluminium composit panels (ACP) - Interior grade of thickness 3.0mm comprising of protective film, polyester coating, primer, aluminium coil, adhesive film, polyethylene core again with one layer adhesive film, aluminium bottom coating and finally service coating as per manufacturer's specification finished with aluminium screw and silicon sealent complete in all respect including all incidental charges etc. as per direction of Engineer-in-charge.	Sq.M.	2287	2287	2287	2287	2287	2287	2287	2287	2287	2287	2287	2907	2287	2287	2287	
23	<b>A. Exposed False-ceiling Work --</b>  (a) Supplying, fitting & fixing High Pressure steam Cured Non Asbestos fibre cement standard ceiling board (Density > 1300Kg per Cu.m. ) of size595mm X595mm conforming IS 14862 and type B, catagory III of ISO 8336, tested as per AS-1530 Part 3 and BS-476 Part 4,5,6,7 & 8, should be placed in the Grid module to form a false ceiling all complete as per drawing & direction of Engineer - in- Charge. False ceiling with																	

**SECTION 1. -----BUILDING WORKS**

**(G) WOOD AND PVC WORKS**

Item No.	Description of Items	Unit	Rate (Rs.)														REMARKS	
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurdwar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS		Uttar/ Dakshin Dinajpur Dist.
	(i) 4mm thick Fibre Cement Standard ceiling board.	Sq.M.	225	225	225	225	225	225	225	225	225	225	225	261	225	225	225	
	(ii) 6mm thick Fibre Cement Standard ceiling board.	Sq.M.	296	296	296	296	296	296	296	296	296	296	296	305	296	296	296	
	(b) Supplying, fitting & fixing High Pressure steam Cured Non Asbestos Pearl designer fibre cement standard ceiling board (Density > 1500Kg per Cu.m. ) of size595mm X595mm conforming IS 14862 and type A, catagory IV of ISO 8336, tested as per AS-1530 Part 3 and BS-476 Part 4,5,6,7 & 8, should be placed in the Grid module to form a false ceiling all complete as per drawing & direction of Engineer - in- Charge. False ceiling with																	
	(i) 4mm thick Pearl Designer Fibre Cement Standard ceiling board.	Sq.M.	412	412	412	412	412	412	412	412	412	412	412	426	412	412	412	
	(c) Supplying, fitting & fixing High Pressure steam Cured Non Asbestos fibre cement designer ceiling board (Density > 1300Kg per Cu.m. ) of size595mm X595mm conforming IS 14862 and type B, catagory III of ISO 8336, tested as per AS-1530 Part 3 and BS-476 Part 4,5,6,7 & 8, should be placed in the Grid module to form a false ceiling all complete as per drawing & direction of Engineer - in- Charge.  False ceiling with																	
	(i) 4mm thick Fibre Cement Designer ceiling board.	Sq.M.	288	288	288	288	288	288	288	288	288	288	288	300	288	288	288	
	(ii) 6mm thick Fibre Cement Designer ceiling board.	Sq.M.	394	394	394	394	394	394	394	394	394	394	394	405	394	394	394	
	(d) Supplying, fitting & fixing OW Acoustic Board (mineral Fibre Acoustic Ceiling Tiles) of approved patern and size595mm X595mm with NRC value > 0.65 should be placed in the Grid module to form a false ceiling all complete as per drawing & direction of Engineer - in- Charge.  False ceiling with																	
	(i)15mm thick OW Acoustic Board/Tiles.	Sq.M.	727	727	727	727	727	727	727	727	727	727	727	735	727	727	727	
	(e) Supplying ,fitting & fixing Eco-friendly, Water Resistance and Incombustable Calcium Silicate board/tiles (Density >900 Kg per Cu.M.) of approved design and brand placed in the grid module to form a false ceiling all complete as per drawing & direction of Engineer - in- Charge.																	

**SECTION 1. -----BUILDING WORKS**

**(G) WOOD AND PVC WORKS**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri,Alipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
	False ceiling with																	
	(i) 6mm thick square edged Calcium Silicate tiles (size 595mm X 595mm)	Sq.M.	351	351	351	351	351	351	351	351	351	351	351	365	351	351	351	
	(f) Supplying ,fitting & fixing Eco-friendly, Humidity Resistant and Incombustable Light Weight Calcium Silicate board/tiles (Density < 900 Kg per Cu.m.& Sound absorption NRC - 0.1 to 0.75)Conforming to BS 476 (Part IV, VI & VII) of approved design and brand placed in the grid module of size 600mm X 600mm to form a false ceiling, all complete as per drawing & direction of Engineer - in-Charge.																	
	False ceiling with																	
	15mm X 10mm Densified tegular edged Light weight Calcium Silicate tiles	Sq.M.	847	847	847	847	847	847	847	847	847	847	847	889	847	847	847	
	(g) Supplying ,fitting & fixing Eco-friendly, Moisture Resistant and Incombustable Gypsum plaster board/tiles (Density > 700Kg per Cu.m) conforming to IS 2095-Part 1, 2011 of size 595mm X595mm of approved design and brand placed in the Grid module to form a false ceiling all complete as per drawing & direction of Engineer - in- Charge.																	
	False ceiling with																	
	(i) 9.5mm thick Square edged Gypsum Plaster Board / tiles.	Sq.M.	375	375	375	375	375	375	375	375	375	375	375	390	375	375	375	
	(ii) 12.5mm thick Square edged Gypsum Plaster Board / tiles	Sq.M.	388	388	388	388	388	388	388	388	388	388	388	404	388	388	388	
	(h) Supplying ,fitting & fixing Eco-friendly, Heat Resistance and Incombustable Gypsum plaster board/tiles ( Density > 700Kg per Cu.m.) confirming to IS 2095-Part 1, 2011 of size 595mm X595mm of approved design & brand placed in the Grid module to form a false ceiling, all complete as per drawing & direction of Engineer - in- Charge.																	
	False ceiling with																	
	(i) 12.5mm thick Square edged heat resistance Gypsum Plaster Board/tiles with vapour control film	Sq.M.	425	425	425	425	425	425	425	425	425	425	425	442	425	425	425	
	B. Concealed False-ceiling Work --																	

**SECTION 1. -----BUILDING WORKS**

**(G) WOOD AND PVC WORKS**

Item No.	Description of Items	Unit	Rate (Rs.)														REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	
	(a) Supplying, fitting & fixing High Pressure steam Cured Non Asbestos fibre cement standard ceiling board (Density > 1300Kg per Cu.m.) of size595mm X595mm conforming IS 14862 and type B, catagory III of ISO 8336, tested as per AS-1530 Part 3 and BS-476 Part 4,5,6,7 & 8, should be placed in the Grid module to form a false ceiling. All complete as per drawing & direction of Engineer-in-Charge. (Jointing should be done by Elasto jointing compound and top finished with putty as specified by manufacturer)																
	False ceiling with																
	(i) 4mm thick Fibre Cement Standard ceiling board.	Sq.M.	302	233	233	233	233	233	233	233	233	233	233	233	233	233	
	(ii) 6mm thick Fibre Cement Standard ceiling board.	Sq.M.	374	374	374	374	374	374	374	374	374	374	374	384	374	374	
	(b) Supplying, fitting & fixing High Pressure steam Cured Non Asbestos Pearl designer fibre cement standard ceiling board (Density > 1500Kg per Cu.m. ) of size595mm X595mm conforming IS 14862 and type A, catagory IV of ISO 8336, tested as per AS-1530 Part 3 and BS-476 Part 4,5,6,7 & 8, should be placed in the Grid module to form a false ceiling. All complete as per drawing & direction of Engineer - in- Charge. (Jointing should be done by Elasto jointing compound and top finished with putty as specified by manufacturer.)																
	False ceiling with																
	(i) 4mm thick Pearl Designer Fibre Cement Standard ceiling board.	Sq.M.	412	412	412	412	412	412	412	412	412	412	412	426	412	412	
	(c) Supplying, fitting & fixing High Pressure steam Cured Non Asbestos fibre cement designer ceiling board (Density > 1300Kg per Cu.m. ) of size595mm X595mm conforming IS 14862 and type B, catagory III of ISO 8336, tested as per AS-1530 Part 3 and BS-476 Part 4,5,6,7 & 8, should be placed in the Grid module to form a false ceiling. All complete as per drawing & direction of Engineer - in- Charge. (Jointing should be done by Elasto jointing compound and top finished with putty as specified by manufacturer.)																
	False ceiling with																
	(i) 4mm thick Fibre Cement Designer ceiling board.	Sq.M.	363	363	363	363	363	363	363	363	363	363	363	378	363	363	
	(ii) 6mm thick Fibre Cement Designer ceiling board.	Sq.M.	469	469	469	469	469	469	469	469	469	469	469	483	469	469	

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Item No.	Description of Items	Unit	Rate (Rs.)														REMARKS	
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri,Alipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS		Uttar/ Dakshin Dinajpur Dist.
	(d) Supplying, fitting & fixing OW Acoustic Board (mineral Fibre Acoustic Ceiling Tiles) of approved patern and size595mm X595mm with NRC value > 0.65 should be placed in the Grid module to form a false ceiling. All complete as per drawing & direction of Engineer - in- Charge.  False ceiling with																	
	(i) 15mm thick OW Acoustic Board/Tiles.	Sq.M.	803	803	803	803	803	803	803	803	803	803	803	813	803	803	803	
	(e) Supplying ,fitting & fixing Eco-friendly, Water Resistance and Incombustable Calcium Silicate board/tiles (Density >900 Kg per Cu.m.) of approved design and brand finished with calcium silicate jointing compound to form a joint less false ceiling all complete as per drawing & direction of Engineer - in- Charge.  False ceiling with																	
	(i) 6mm thick square edged Calcium Silicate Board	Sq.M.	378	378	378	378	378	378	378	378	378	378	378	392	378	378	378	
	(ii) 8mm thick square edged Calcium Silicate Board	Sq.M.	457	457	457	457	457	457	457	457	457	457	457	475	457	457	457	
	(f) Supplying ,fitting & fixing Eco-friendly,Moisture Resistance and Incombustable Gypsum plaster board ( Density > 700Kg per Cu.m.) confirming to IS 2095- Part 1, 2011 of approved design and brand finished with gypsum jointing compound to form a joint less false ceiling all complete as per drawing & direction of Engineer - in- Charge.  False ceiling with																	
	(i) 9.5mm thick tapered edged Gypsum Plaster Board	Sq.M.	396	396	396	396	396	396	396	396	396	396	396	418	396	396	396	
	(ii) 12.5mm thick tapered edged Gypsum Plaster Board	Sq.M.	409	409	409	409	409	409	409	409	409	409	409	329	409	409	409	
	(g) Supplying ,fitting & fixing Eco-friendly, Heat Resistance and Incombustable Gypsum plaster board (Density > 700Kg per Cu.m.) confirming to IS 2095- Part 1, 2011 of approved design and brand finished with gypsum jointing compound to form a joint less false ceiling all complete as per drawing & direction of Engineer - in- Charge.  False ceiling with																	
	(i) 12.5mm thick tapered edged Heat resistance Gypsum Plaster Board with vapour control film	Sq.M.	446	446	446	446	446	446	446	446	446	446	446	471	446	446	446	

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Item No.	Description of Items	Unit	Rate (Rs.)														REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurdwar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	
	<u>G. WALL PANELLING</u>																
1	Wall panelling / partition with Melamine faced 3 layered flat pressed wood particle board of approved make and brand as per direction of Engineer - in - Charge of requisite grade bonded with phenol formaldehyde synthetic resin conforming to IS: 848 - 1974 (excluding the cost of supporting frame work and teak wood battens / lipping)																
	In Ground Floor																
	(A) Plain : Conforming to IS: 3087 - 1985																
	i) Plain : Exterior grade.																
	a) 9 mm thick	Sq.M.	655	655	655	655	655	655	655	655	655	655	678	655	655	655	
	b) 12 mm thick.	Sq.M.	796	796	796	796	796	796	796	796	796	796	826	796	796	796	
	c) 18 mm thick.	Sq.M.	1045	1045	1045	1045	1045	1045	1045	1045	1045	1045	1088	1045	1045	1045	
	(B) Prelaminated particle board conforming to IS: 3087 - 1985 and IS 12823 - 1990.																
	i) One side decorative laminated																
	a) Exterior grade																
	9mm thick	Sq.M.	1026	1026	1026	1026	1026	1026	1026	1026	1026	1026	1072	1026	1026	1026	
	12mm thick	Sq.M.	1070	1070	1070	1070	1070	1070	1070	1070	1070	1070	1083	1070	1070	1070	
	(b) Interior Grade																
	9mm thick	Sq.M.	854	854	854	854	854	854	854	854	854	854	873	854	854	854	
	12mm thick	Sq.M.	1038	1038	1038	1038	1038	1038	1038	1038	1038	1038	1083	1038	1038	1038	
	(ii) Both side decorative laminate																
	a) Exterior grade																
	9mm thick	Sq.M.	1112	1112	1112	1112	1112	1112	1112	1112	1112	1112	1135	1112	1112	1112	
	12mm thick	Sq.M.	1292	1292	1292	1292	1292	1292	1292	1292	1292	1292	1345	1292	1292	1292	
	(b) Interior Grade																
	9mm thick	Sq.M.	873	873	873	873	873	873	873	873	873	873	926	873	873	873	
	12mm thick	Sq.M.	1083	1083	1083	1083	1083	1083	1083	1083	1083	1083	1135	1083	1083	1083	
	(c) Extra for Ceiling Work	Sq.M.	22	22	22	22	22	22	22	22	22	22	22	22	22	22	



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			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
2	Supplying, fitting and fixing boiling water proof ply conforming to IS: 710-1977 bonded with phenol formaldehyde synthetic resin conforming to IS: 848-1974 of approved make and brand fitted and fixed as per design as per approval and direction of Engineer-in-Charge. [excluding the cost of supporting frame work and teak wood batten/Lipping] In Ground Floor																	
	(i) 4mm	Sq.M.	923	923	923	923	923	923	923	923	923	923	923	1012	923	923	923	
	(ii) 6mm	Sq.M.	1122	1122	1122	1122	1122	1122	1122	1122	1122	1122	1122	1169	1122	1122	1122	
	(iii) 9mm	Sq.M.	1290	1290	1290	1290	1290	1290	1290	1290	1290	1290	1290	1344	1290	1290	1290	
	(iv) 12mm	Sq.M.	1709	1709	1709	1709	1709	1709	1709	1709	1709	1709	1709	1784	1709	1709	1709	
	(v) 16mm	Sq.M.	2028	2028	2028	2028	2028	2028	2028	2028	2028	2028	2028	2116	2028	2028	2028	
	(vi) 19mm	Sq.M.	2420	2420	2420	2420	2420	2420	2420	2420	2420	2420	2420	2527	2420	2420	2420	
3	Supplying, fitting and fixing boiling water resistant ply conforming to IS: 303-1989 bonded with phenol formaldehyde synthetic resin of approved make and brand fitted and fixed as per design as per approval and direction of Engineer-in-Charge.[excluding the cost of supporting frame work and teak wood batten/Lipping] In Ground Floor																	
	(i) 4mm	Sq.M.	740	740	740	740	740	740	740	740	740	740	740	819	740	740	740	
	(ii) 6mm	Sq.M.	923	923	923	923	923	923	923	923	923	923	923	976	923	923	923	
	(iii) 9mm	Sq.M.	1028	1028	1028	1028	1028	1028	1028	1028	1028	1028	1028	1122	1028	1028	1028	
	(iv) 12mm	Sq.M.	1290	1290	1290	1290	1290	1290	1290	1290	1290	1290	1290	1395	1290	1290	1290	
	(v) 16mm	Sq.M.	1583	1583	1583	1583	1583	1583	1583	1583	1583	1583	1583	1687	1583	1583	1583	
	(vi) 19mm	Sq.M.	1871	1871	1871	1871	1871	1871	1871	1871	1871	1871	1871	2001	1871	1871	1871	
4	Supplying, fitting and fixing boiling water proof block board conforming to IS:1659-1990 conforming to IS:848-1974 of approved make and brand, fitted and fixed as per design as per direction of Engineer-in-charge. [Excluding the cost of supporting frame work and teak wood batten/Lipping]. In Ground Floor																	
	(i) 16mm	Sq.M.	1658	1658	1658	1658	1658	1658	1658	1658	1658	1658	1658	1722	1658	1658	1658	
	(ii) 19mm	Sq.M.	1827	1827	1827	1827	1827	1827	1827	1827	1827	1827	1827	1900	1827	1827	1827	

**SECTION 1. -----BUILDING WORKS**

**(G) WOOD AND PVC WORKS**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurdwar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
	(iii) 25mm	Sq.M.	2456	2456	2456	2456	2456	2456	2456	2456	2456	2456	2456	2561	2456	2456	2456	
	(Note: For Boiling Water Resistant Block Boards reduce the above rates by 5%).																	
	For upper floor refer Item H (4) for item 1, 2, 3, 4 under subhead G																	
5	Hessian partition as per design fitted and fixed complete (excluding supporting framework but including necessary wood battens of size 25 mm x 25 mm).																	
	(a) Malayasian Sal	Sq.M.	172	163	163	163	172	163	164	164	164	164	166					
	(b) Local Sal	Sq.M.	166	160	160	160	166	160	160	160	160	160	160	165	159	159	159	
	(c) Sishu / Champ / Badam / Gamar / Bhola / Mogra / Hallak	Sq.M.	164	158	158	158	164	158	158	158	158	158	158	167	158	158	158	
6	Canvas partition as per design fitted and fixed complete (excluding the supporting framework but including necessary wood battens of size 25 mmx25mm).																	
	(a) Sal Malayasian	Sq.M.	208	198	198	198	208	198	200	200	200	200	201					
	(b) Sal : Local	Sq.M.	201	195	195	195	201	195	195	195	195	195	195	200	194	194	194	
	(c) Sishu / Champ / Badam / Gamar / Bhola / Mogra / Hallak	Sq.M.	199	193	193	193	199	193	193	193	193	193	193	201	193	193	193	
7	Partition with soft insulation board (of 12mm thick) as per design fitted and fixed complete (excluding the supporting framework but including necessary teak wood battens of size 40 mm & 25 mm). In Ground Floor																	
	(a) Ordinary Teak	Sq.M.	547	537	516	516	547	537	516	516	526	526	526	537	526	526	526	
	(b) Sal Local	Sq.M.	476	467	467	467	476	467	467	467	467	467	467	478	465	465	465	
	(For upper floors refer to item H(4) also)																	

**SECTION 1. -----BUILDING WORKS**

**(G) WOOD AND PVC WORKS**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS	
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.		
8	Providing and fixing partition upto ceiling height consisting of G.I. frame and required board, consisting of floor and ceiling channel 50/51 mm wide having equal flanges of 32 mm and 0.50 mm thick, fixed to the floor and ceiling at the spacing of 610mm centre to centre with dash fastener of 12.5 mm dia meter 50 mm length or suitable anchor fastener or metal screws with nylon plugs and the studs 48 mm wide having one flange of 34 mm and other flange 36 mm and 0.50 mm thick fixed vertically within flanges of floor and ceiling channel and placed at a spacing of 610 mm centre to centre by 6 mm dia bolts and nuts, including fixing of studs along both ends of partiiton fixed flush to wall with suitable anchor fastener or metal screws with nylon plugs at spacing of 450 mm centre to centre, and fixing of boards to both side of frame work by 25 mm long dry wall screws on studs, floor and ceiling channels at the spacing of 300 mm centre to centre.The boards are to be fixed to the frame work with joints staggered to avoid through cracks, M.S. fixing channel of 99 mm width (0.9 mm thick having two flanges of 9.5 mm each) to be provided at the horizontal joints of two boards, fixed to the studs using metal to metal flat head screws, including jointing and finishing to a flush finish with recommended jointing compound, jointing tape, angle beads at corners (25 mm x 25 mm x 0.5 mm), joint finisher and two coats of primer suitable for board as per manufacture's specification and direction of engineer in charge all complete																		
	i) 66 to 67 mm overall thickness partition using 8 mm thick High pressure steam cured non-Asbestos multipurpose Cement Board reinforced with cellulose fibre(Density>1250kg/m3) manufactured through autoclaving process as per IS: 14862 with suitable fibre cement screws.	Sqm.	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300	
	ii) 70 to 71 mm overall thickness partition using 10 mm thick High pressure steam cured non-Asbestos multipurpose Cement Board reinforced with cellulose fibre (Density>1250kg/m3) manufactured through autoclaving process as per IS: 14862 with suitable fibre cement screws.	Sqm.	1474	1474	1474	1474	1474	1474	1474	1474	1474	1474	1474	1474	1474	1474	1474	1474	

**SECTION 1. -----BUILDING WORKS**

**(G) WOOD AND PVC WORKS**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri,Atipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
9	Supplying fitting & fixing in position 16 mm thick Cement Bonded Particle Board confirming to IS:14276-1995 made out of 62% Cement, 28% Wood & 10% chemicals having density not less than 1250 Kg/cum, Bonding Strength 9 N/Sq.mm, Tolerance in thickness ±1 mm, Swelling in thickness ≤ 1% for 24 hrs immersion, with fire resistant & weather resistant properties including supplying 10 mm dia 75 mm long bolts with nuts & washer fitted after every 475 mm apart for holding the panels with supporting structure complete excluding cost of supporting structure as per direction of Engineer in charge.	sqm.	1013	1013	1013	1013	1013	1013	1013	1013	1013	1013	1013	1013	1013	1013	1013	
10	Providing and fixing, in position concealed G.I. section for wall paneling using board of required thickness fixed on the 'W' profile (0.55 mm thick ) having a knurled web of 51.55 mm and two flanges of 26 mm each with lips of 10.55 mm, placed @ 610 mm C/C in perimeter channel having one flange of 20 mm and another flange of 30 mm with thickness of 0.55 mm and web of length 27 mm. Perimeter channel is fixed on the floor and the ceiling with the nylon sleeves @ 610 mm C/C with fully threaded self-tapping dry wall screws. Board is fixed to the 'W' profile with 25 mm countersunk ribbed head screws @ 200 mm C/C., all complete as per the drawing & directions of Engineer-in-Charge, the joints of the boards are finished with specially formulated jointing compound and 48 mm wide jointing tape to provide seamless finish.																	
	a) 6 mm thick Multipurpose Cement board - Type-B (High Pressure steam cured, tested as per AS-1530 part 3 & BS-476 Part 4,5,6,7 & 8, density > 1450kg/m3, Bond strength 15 N/sqmm fire resistant, termite proof, moisture resistant) reinforced with cellulose fibre manufactured through autoclaving process as per IS : 14862 & ISO 8336, with fibre cement screws in partition as per drawings and direction of Engineer-in-Charge complete. (The above stated item can be used successfully to cover up efflorescence & damp affected walls to improve the aesthetic view).	sqm.	721	721	721	721	721	721	721	721	721	721	721	721	721	721	721	

**SECTION 1. -----BUILDING WORKS**

**(G) WOOD AND PVC WORKS**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
	b) 6 mm thick Designer Multipurpose Cement board (High Pressure steam cured, tested as per AS-1530 part 3 & BS-476 Part 4,5,6,7&8, density > 1450kg/m3, Bond strength 15 N/sqmm fire resistant, termite proof, moisture resistant) reinforced with cellulose fibre manufactured through autoclaving process as per IS : 14862 & ISO 8336, with fibre cement screws in partition as per drawings and direction of Engineer-in-Charge complete. (The above stated item can be used successfully to cover up efflorescence & damp affected walls to improve the aesthetic view).	sqm.	763	763	763	763	763	763	763	763	763	763	763	763	763	763	763	
11	Supplying fitting & fixing in position 9 mm thick Heavy Duty Cement board - Type-A (High Pressure steam cured, tested as per AS-1530 part 3 & BS-476 Part 4,5,6,7 & 8, density > 1450kg/m3, Bond strength 15 N/sqmm fire resistant, termite proof, moisture resistant) reinforced with cellulose fibre manufactured through autoclaving process as per IS : 14862 & ISO 8336, with fibre cement screws in partition excluding cost of supporting structure as per drawings and direction of Engineer-in-Charge complete. (Note: The Item -26 under Section - U (Page - 247) can be used as supporting structure for internal partition ).	sqm.	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634	
12	Supplying and fitting in all places of wall panelling to all heights and fixing on pre- framed existing frame work grid with glass wool of 50mm thick having density of 48 Kg per cum. to be inserted into the pre - fabricated slot covered the glass wool by marking cloths treated with Naptha @ 0.07 Ltr.per Sq.m. of cloths. Finally 12.5mm thick gypsum Fulton board having size 595mmX595mm fitted & fixed into the pre-fabricated grid and covered the all perifirial gaps of fulton board by self additive fibre tape with necessary filler if required, complete in all respect as per direction of the Engineer-in-charge.	Sq.M.	1182	1182	1182	1182	1182	1182	1182	1182	1182	1182	1182	1214	1182	1182	1182	
13	Providing, fitting and fixing in position, medium density fibre board conforming to IS: 12406-1988 for plain and IS: 14587-1998 for prelaminated made of wood fibre bonded with Urea formaldehyde for interior grade and Phenol Formaldehyde for exterior grade conforming to per IS:848-1974 as per approved make and brand as per direction of Engineer-in-Charge.																	
	In Ground Floor																	
	(A) Plain :																	

**SECTION 1. -----BUILDING WORKS**

**(G) WOOD AND PVC WORKS**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurdwar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
	(a) Exterior grade.																	
	(i) 6mm	Sq.M.	618	618	618	618	618	618	618	618	618	618	618	643	618	618	618	
	(ii) 8mm	Sq.M.	736	736	736	736	736	736	736	736	736	736	736	767	736	736	736	
	(iii) 12mm	Sq.M.	818	818	818	818	818	818	818	818	818	818	818	852	818	818	818	
	(b) Interior grade.																	
	(i) 6mm	Sq.M.	677	677	677	677	677	677	677	677	677	677	677	705	677	677	677	
	(ii) 8mm	Sq.M.	795	795	795	795	795	795	795	795	795	795	795	828	795	795	795	
	(iii) 12mm	Sq.M.	970	970	970	970	970	970	970	970	970	970	970	1013	970	970	970	
	(B) One side decorative lamination																	
	(I) Exterior Grade																	
	(i) 8mm	Sq.M.	755	755	755	755	755	755	755	755	755	755	755	807	755	755	755	
	(ii) 12mm	Sq.M.	865	865	865	865	865	865	865	865	865	865	865	912	865	865	865	
	(II) Interior Grade																	
	(i) 8mm	Sq.M.	755	755	755	755	755	755	755	755	755	755	755	755	755	755	755	
	(ii) 12mm	Sq.M.	838	838	838	838	838	838	838	838	838	838	838	838	838	838	838	
	(C) Both side decorative lamination																	
	(I) Exterior Grade																	
	(i) 8mm	Sq.M.	812	812	812	812	812	812	812	812	812	812	812	846	812	812	812	
	(ii) 12mm	Sq.M.	922	922	922	922	922	922	922	922	922	922	922	962	922	922	922	
	(II) Interior Grade																	
	(i) 8mm	Sq.M.	781	781	781	781	781	781	781	781	781	781	781	813	781	781	781	
	(ii) 12mm	Sq.M.	880	880	880	880	880	880	880	880	880	880	880	918	880	880	880	

**SECTION 1. -----BUILDING WORKS**

**(G) WOOD AND PVC WORKS**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri,Alipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
14	Supplying fitting, fixing decorative lamination conforming to IS: 2046 : 1995 as per approved make, brand, finish and thickness with fitting, fixing the same on Particle/MDF / Ply Boards with recommended / approved adhesive with proper clipping the sides for better attachment as per direction of Engineer-in-charge.The rate includes the cost of labour, adhesive and all incidental charges thereof. In ground floor																	
	Glossy/Matt/Suede excluding surface texture or metallic lustre.																	
	(i) Thickness of laminate 1.5mm	Sq.M.	802	802	802	802	802	802	802	802	802	802	802	833	802	802	802	
	(ii) Thickness of laminate 1 mm	Sq.M.	688	688	688	688	688	688	688	688	688	688	688	713	688	688	688	
15	(A) Partition of commercial ply as per design fitted and fixed complete (excluding the supporting framework but including necessary teak wood battens of size 40mmx 25 mm): In Ground Floor																	
	(i) 4mm thick	Sq.M.	620	610	589	589	620	610	589	589	599	599	599	673	599	599	599	
	(ii) 6mm thick	Sq.M.	777	767	746	746	777	767	746	746	756	756	756	845	756	756	756	
	(iii) 12mm thick	Sq.M.	1039	1029	1008	1008	1039	1029	1008	1008	1018	1018	1018	1071	1018	1018	1018	
16	Partition of masonite board as per design fitted and fixed complete (excluding the supporting framework but including necessary wood battens of size 40 mmx25 mm): In ground floor.																	
	(a) Teak Wood																	
	(i) 4.5mm thick	Sq.M.	516	506	485	485	516	506	485	485	495	495	495	506	495	495	495	
	(ii) 6.0mm thick	Sq.M.	551	541	520	520	551	541	520	520	530	530	530	543	530	530	530	
	(b) Sal Local																	
	(i) 4.5mm thick	Sq.M.	445	436	436	436	445	436	436	436	436	436	436	447	434	434	434	
	(ii) 6.0mm thick	Sq.M.	480	471	471	471	480	471	471	471	471	471	471	483	469	469	469	
	(For upper floors refer to item H(4) for items 13, 14, 15, 16 under subhead G																	
17	Plain and finished timber planks in partition, shelves etc. fitted and fixed complete as per design (butt joints) in ground floor.																	

**SECTION 1. -----BUILDING WORKS**

**(G) WOOD AND PVC WORKS**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurdwar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
	(i) 12mm thick planks																	
	(a) Sal Malayasian	Sq.M.	913	821	821	821	913	821	834	834	834	834	846					
	(b) Sishu / Champ / Badam / Gamar / Bhola / Mogra / Hallak	Sq.M.	827	771	771	771	827	771	771	771	771	771	771	802	771	771	771	
	(c) other Local wood	Sq.M.	413	350	350	350	350	350	350	350	350	350	350	350	356	356	356	
	(ii) 19mm thick planks																	
	(a) Sal Malayasian	Sq.M.	1369	1224	1224	1224	1369	1224	1244	1244	1244	1244	1264					
	(b) Sishu / Champ / Badam / Gamar / Bhola / Mogra / Hallak	Sq.M.	1234	1144	1144	1144	1234	1144	1144	1144	1144	1144	1144	1194	1144	1144	1144	
	(c) other Local wood	Sq.M.	575	476	476	476	476	476	476	476	476	476	476	476	486	486	486	
	(iii) 25mm thick planks																	
	(a) Sal Malayasian	Sq.M.	1749	1559	1559	1559	1749	1559	1585	1585	1585	1585	1611					
	(b) Sishu / Champ / Badam / Gamar / Bhola / Mogra / Hallak	Sq.M.	1572	1455	1455	1455	1572	1455	1455	1455	1455	1455	1455	1520	1455	1455	1455	
	(c) other Local wood	Sq.M.	713	583	583	583	583	583	583	583	583	583	583	583	596	596	596	
	(iv) 32mm thick planks																	
	(a) Sal Malayasian	Sq.M.	2251	2006	2006	2006	2251	2006	2040	2040	2040	2040	2073					
	(b) Sishu / Champ / Badam / Gamar / Bhola / Mogra / Hallak	Sq.M.	2023	1871	1871	1871	2023	1871	1871	1871	1871	1871	1871	1956	1871	1871	1871	
	(c) other Local wood	Sq.M.	913	745	745	745	745	745	745	745	745	745	745	745	762	762	762	
	(v) 35mm thick planks																	
	(a) Sal Malayasian	Sq.M.	2434	2167	2167	2167	2434	2167	2204	2204	2204	2204	2240					
	(b) Sishu / Champ / Badam / Gamar / Bhola / Mogra / Hallak	Sq.M.	2185	2021	2021	2021	2185	2021	2021	2021	2021	2021	2021	2112	2021	2021	2021	
	(c) other Local wood	Sq.M.	979	796	796	796	796	796	796	796	796	796	796	796	814	814	814	
	18	Partition of teak veneer [1 mm] as per design fitted and fixed complete (excluding the supporting frame work & necessary teak wood battens): In ground floor																
	(i) 4mm thick commercial quality	Sq.M.	465	465	465	465	465	465	465	465	465	465	465	484	465	465	531	
	(For upper floors refer to item H(4) for 17, 18 under subhead G)																	



**SECTION 1. -----BUILDING WORKS**

**(G) WOOD AND PVC WORKS**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri,Alipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
19	Wall paneling with Gypsum Plaster Board of 12.5 mm thick fitted to G.I. channel of 55 mmx50 mm placed at 300 mm c/c in horizontal direction and metal stand 55 mmx48 mm placed @900 mm c/c in vertical direction connected with G.I. connecting clips. 12.5 mm thick Gypsum plaster based are to be fixed with G.I. channel by machine screws. The boards are to be joined with jointing compound and fibre tape and finished with top coat etc the rate includes the cost of all materials, labour charges including scaffolding etc. complete as per direction of the Engineer-in-charge. In ground floor	Sq.M.	995	994	994	994	995	994	994	994	994	994	994	1008	993	993	993	
20	<b>P.V.C Partition:</b> Supplying,fitting and fixing the partition,frame will be made with rectangular steel tube of size 50mm x 25mm with wall thickness not less than 1.00mm. The vertical members duly welded to the horizontal members shall be placed between 1000mm to 1200mm apart the entire partition frame will be securedly fixed to the wall, ceiling and floor using rawlplug or wooden gutties and screws etc.the frame will be painted with synthetic paint, the section of the partition frame will then fitted with PRINTED LAMINATED P.V.C extruded hollow section of size 100mmx25mm. panel with approved quality fixed in the place by means of P.V.C extruded beading on both sides or P.V.C extruded angles (20mmx18mm) on one side and P.V.C extruded beading (9mmx9mm) on other side ,angle/beading will be fixed to the steel frame by 19mm (nos.6) self tapping steel screw placed at an interval of 450mm and complete in all respect as per direction of Engineer-in-Charge with all labour and materials In ground floor..	Sq.M	1971	1971	1971	1971	1971	1971	1971	1971	1971	1971	1971	2066	1971	1971	1971	
	<b>H. ADDITIONAL RATE</b>																	
1	Labour for wood work in sawing from old timber to sizes as required for making (Payment to be made on quantity of finished work):																	
	(a) Beams of smaller length but of same section.	Cu.M	556	556	556	556	556	556	556	556	556	556	556	556	556	556	556	
	(b) Beams of smaller section.	Cu.M	2223	2223	2223	2223	2223	2223	2223	2223	2223	2223	2223	2223	2223	2223	2223	
	(c) Burgahs fitted and fixed complete.	Cu.M	5455	5455	5455	5455	5455	5455	5455	5455	5455	5455	5455	5455	5455	5455	5455	
	(d) Door and window frames fitted and fixed complete.	Cu.M	4673	4673	4673	4673	4673	4673	4673	4673	4673	4673	4673	4673	4673	4673	4673	
	(e) Post, post plates, rafters, battens, truss members, purlins etc. (excluding cost of bolts only but including cost of nails, screws etc. as directed.	Cu.M	5133	5133	5133	5133	5133	5133	5133	5133	5133	5133	5133	5133	5133	5133	5133	

**SECTION 1. -----BUILDING WORKS**

**(G) WOOD AND PVC WORKS**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
	(f) Extra over (a) or (b) for hoisting and fitting, fixing beam in position. (Damage if any will be repaired separately)	Cu.M	2763	2763	2763	2763	2763	2763	2763	2763	2763	2763	2763	2763	2763	2763	2763	
2	Add extra over the rate of ground floor for each addl. Floor.																	
	(i) Upto 4th floor.	Sq.M	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	
	(ii) Above 4th floor.	Sq.M	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	
3	Extra for Teak wood corner moulding (50mm x 12mm) of panel partition or panel door.	Each	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	
4	Add extra over rate of ground floor for each addl. Storey F(1 to 6), B(11,12), F(10,11,12), G(7), G(13, 14,15,16,17,18), C(8,9,10,12), B(14 to 18), B(24 to 27), G(19,20), F(17, 18)																	
	(i) Upto 4th floor	Sq.M.	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	
	(ii) Above 4th floor	Sq.M.	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	
5	Add extra over correspnding item G (17) and C (8):																	
	(i) Half lap joint	Sq.M.	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	
	(ii) Tongued and grooved joint	Sq.M.	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	

**SECTION 1. -----BUILDING WORKS**

**(H) BAND MOULDING, CORNICE ETC.**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurdwar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
	<b>A. ORIGINAL WORKS</b>																	
1	Band moulding (horizontal or vertical) rectangular section, made with cement plaster (1:4) complete. In ground floor.																	
	<b>(i) Projection upto 25 mm.</b>																	
	(a) Depth or width (75 mm to 100 mm) (Cement 1.25Kg/Mtr.)	Metre	37	35	35	35	36	36	35	35	36	36	36	39	36	36	36	
	(b) Depth or width (125 mm to 150 mm) (Cement 1.65Kg/Mtr.)	Metre	48	45	45	45	46	46	45	45	46	46	46	50	46	46	47	
	<b>(ii) Projection 40 mm.</b>																	
	(a) Depth or width (75 mm to 100 mm) (Cement 2.0 Kg/Mtr.)	Metre	53	49	49	49	51	50	49	49	51	51	51	56	51	51	52	
	(b) Depth or width (125 mm to 150 mm) (Cement 2.6Kg/Mtr.)	Metre	62	58	57	57	60	59	58	57	60	60	60	66	59	59	61	
2	Multiple-band moulding (horizontal or vertical) made with 15mm cement plaster (1:4) complete : In ground floor.																	
	<b>(i) Projection upto 25 mm</b>																	
	(a) Depth or width (75 mm to 100 mm) (Cement 2.5Kg/Mtr.)	Metre	51	46	45	45	49	47	46	45	49	48	48	55	48	48	49	
	(b) Depth or width (125 mm to 150 mm) (Cement 3.5Kg/Mtr.)	Metre	66	60	60	60	64	62	60	60	64	63	63	71	63	63	64	
	<b>(ii) Projection 40 mm</b>																	
	(a) Depth or width (75 mm to 100 mm) (Cement 3.5Kg/Mtr.)	Metre	68	62	61	61	65	64	62	61	65	65	65	73	64	64	66	
	(b) Depth or width (125 mm to 150 mm) (Cement 3.74Kg/Mtr.)	Metre	75	68	67	67	72	70	68	67	72	71	71	80	70	70	72	

**SECTION 1. -----BUILDING WORKS**

**(H) BAND MOULDING, CORNICE ETC.**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) / Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurdwar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
3	Band moulding (horizontal or vertical) of rectangular section made with 15 mm thick cement plaster (1:4) on brick projection or concrete projection (excluding the cost of such brick or concrete projection). In ground floor.																	
	(i) Projection upto 75 mm.																	
	(a) Depth or width (75 mm to 150 mm) (Cement 2.46Kg/Mtr.)	Metre	61	57	57	57	59	58	57	57	59	59	59	64	59	59	60	
	(ii) Projection above (75 mm. and upto 150 mm)																	
	(a) Depth or width (75 mm to 150 mm) (Cement 3.3Kg/Mtr.)	Metre	75	70	69	69	73	71	70	69	73	72	72	79	72	72	73	
4	Finishing of 75 mm. or 125 mm. thick wall with 15 mm. thick cement plaster (1:4) and moulding (30 mm deep and 6 mm. or 10 mm. projection) on side, including neat cement punning complete. (Payment to be made on length of wall)																	
	(a) With moulding on one side only (Cement 1.5Kg/Mtr.)	Metre	41	39	39	39	40	39	39	39	40	40	40	42	40	40	40	
	(b) With moulding on both sides (Cement 2.0Kg/Mtr.)	Metre	46	44	44	44	46	45	44	44	46	45	45	48	45	45	46	
5	Masonry curb or sill in floor of rectangular section finished with 15 mm. thick cement plaster (1:4) and neat cement punning complete (including cost of masonry made with 1st class bricks and 1:4 cement mortar) : In ground floor.																	
	(a) 125 mm. x 75 mm. section (Cement 3.24Kg/Mtr.)	Metre	92	83	78	78	89	88	86	80	86	86	86	104	85	85	87	
	(b) 125 mm. x 150 mm. section (Cement 6.48Kg/Mtr.)	Metre	166	149	138	138	161	158	155	143	155	154	154	190	153	153	156	
	(c) 100 mm. x 100 mm. section (Cement 3.12Kg/Mtr.)	Metre	106	96	89	89	103	102	100	92	99	99	99	121	98	98	100	

**SECTION 1. -----BUILDING WORKS**

**(H) BAND MOULDING, CORNICE ETC.**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurdwar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
6	Concrete chowkat with rabbet (in sill of door or window) made with cement concrete (1:2:4) and finished with 15 mm. thick cement plaster (1:4) and neat cement punning complete. In ground floor.																	
	(i) With rabbet on one side																	
	(a) 75 mm. x 50 mm. or 75 mm. x 75 mm. sec (Cement 3.7Kg/Mtr.)	Metre	70	66	64	62	67	67	67	64	67	67	64	75	67	70	67	
	(b) 100 mm. x 50 mm. or 100 mm. x 75 mm. sec (Cement 4.6Kg/Mtr.)	Metre	85	80	78	74	81	81	82	78	81	81	77	91	82	85	81	
	(c) 125 mm. x 50 mm. or 125 mm. x 75 mm. sec (Cement 5.4Kg/Mtr.)	Metre	104	99	96	91	99	99	101	96	99	99	94	112	100	105	99	
	(d) 150 mm. x 50 mm. or 150 mm. x 75 mm. sec (Cement 6.1Kg/Mtr.)	Metre	117	110	107	101	110	111	112	107	111	111	104	125	112	117	110	
	(ii) With rabbet on both sides																	
	(a) 100 mm. x 50 mm. or 100 mm. x 75 mm. sec (Cement 4.6Kg/Mtr.)	Metre	95	90	88	84	91	91	92	88	91	91	86	101	91	95	90	
	(b) 125 mm. x 50 mm. or 125 mm. x 75 mm. sec (Cement 5.4Kg/Mtr.)	Metre	108	102	100	95	103	103	104	100	103	103	98	115	104	108	103	
	(c) 150 mm. x 50 mm. or 150 mm. x 75 mm. sec (Cement 6.1Kg/Mtr.)	Metre	121	114	111	105	114	115	116	111	114	115	108	129	116	121	114	
7	Making ornamental R.C. hand rail upto 160 sq.cm. cross sectional area excluding cost of reinforcement and including cost of shuttering with (1:1.5:3) cement concrete in stone chips, plastered 15 mm. thick (1:4), neat cement finishing and polishing complete as per direction of Engineer-in-charge. (Cement 10.0 Kg/Mtr.) In ground floor.	Metre	235	223	220	213	226	227	228	219	226	227	217	248	228	234	226	

**SECTION 1. -----BUILDING WORKS**

**(H) BAND MOULDING, CORNICE ETC.**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurdwar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
8	String course up to 75 mm projection and upto 150 mm depth 15 mm thick plasterd (1:4) (including stripping off old surface where necessary) complete. (Cement 6.6Kg/Mtr.) In ground floor.	Metre	120	111	104	104	118	116	114	107	114	113	114	135	114	114	115	
	Note:- Add extra @1.5% for each additional floor upto 4th floor and 1.75% for each additional floor above 4th floor on all items except items 4 of subhead A, 2 and 3 of subhead B.																	
	<b>B. MAINTENANCE WORKS</b>																	
1	Renewing throating,nosing or drip course moulding with 15 mm. thick cement plaster (1:4) complete. (Cement 0.7Kg/Mtr.) In ground floor.	Metre	18	17	17	17	18	17	17	17	18	18	18	19	17	17	18	
2	Renewing coping of compound wall with brick work and 15 mm. thick cement plaster (1:4) complete (Payment to be made on length of wall) :																	
	(a) 125 mm. wide coping (Cement 3.8Kg/Mtr.)	Metre	126	116	110	110	123	121	119	113	120	119	119	139	118	118	120	
	(b) 250 mm. wide coping (Cement 5.0Kg/Mtr.)	Metre	185	171	160	160	182	179	177	165	175	175	175	208	174	174	176	
	(c) 375 mm. wide coping (Cement 7.7Kg/Mtr.)	Metre	253	234	217	217	249	246	244	225	239	238	239	286	238	238	241	
	(d) 500 mm. wide coping (Cement 9.7Kg/Mtr.)	Metre	324	296	274	274	317	313	309	284	305	303	304	369	302	302	306	
3	Renewing plaster and coping of compound wall (including petty repairs to brick work) with 15 mm. thick cement plaster (1:4). (Payment to be made on length of wall) :																	
	(a) 125 mm. wide coping (Cement 1.5Kg/Mtr.)	Metre	49	45	44	44	47	46	46	45	47	47	47	52	46	46	47	
	(b) 250 mm. wide coping (Cement 2.4Kg/Mtr.)	Metre	70	64	63	63	68	66	65	63	67	66	66	75	66	66	67	
	(c) 375 mm. wide coping (Cement 3.1Kg/Mtr.)	Metre	87	81	78	78	85	83	82	79	83	83	83	94	83	83	84	
	(d) 500 mm. wide coping (Cement 3.8Kg/Mtr.)	Metre	105	97	93	93	102	100	98	95	100	99	100	114	99	99	101	

**SECTION 1. -----BUILDING WORKS**

**(H) BAND MOULDING, CORNICE ETC.**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurdwar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
4	Renewing cornice (with mouldings but without floral or similar intricate patterns) including necessary masonry work and 15 mm. thick cement plaster(1:4) complete : In ground floor.																	
	<b>(i) Projection (75 to 150) mm.</b>																	
	(a) Depth (100 to 150) mm (Cement 4.3Kg/Mtr.)	Metre	201	189	179	179	198	196	194	184	193	192	192	220	191	191	193	
	(b) Depth (150 to 200) mm (Cement 5.5Kg/Mtr.)	Metre	235	219	206	206	231	229	226	212	224	223	223	261	222	222	225	
	<b>(ii) Projection (175 to 225) mm.</b>																	
	(a) Depth (100 to 150) mm (Cement 6.6Kg/Mtr.)	Metre	257	238	224	224	252	249	246	230	244	243	243	287	242	242	245	
	(b) Depth (150 to 200) mm (Cement 8.0Kg/Mtr.)	Metre	308	283	263	263	302	298	295	272	291	289	290	349	288	288	292	
	(c) Depth (225 to 300) mm (Cement 11.0Kg/Mtr.)	Metre	405	368	338	338	396	391	386	352	379	377	377	465	376	376	381	
	<b>(iii) Projection (250 to 300) mm.</b>																	
	(a) Depth (100 to 125) mm (Cement 8.5Kg/Mtr.)	Metre	312	286	266	266	305	301	297	275	294	293	293	353	291	291	295	
	(b) Depth (150 to 200) mm (Cement 10.6Kg/Mtr.)	Metre	382	348	320	320	374	369	364	333	358	356	357	437	355	355	360	
	(c) Depth (225 to 300) mm (Cement 13.0Kg/Mtr.)	Metre	440	399	368	368	430	423	417	382	412	410	410	504	408	408	415	
	<b>(iv) Projection (325 to 375) mm.</b>																	
	(a) Depth (150 to 200) mm (Cement 13.0Kg/Mtr.)	Metre	453	411	376	376	443	437	431	392	423	421	422	523	419	419	426	
	(b) Depth (225 to 300) mm (Cement 17.0Kg/Mtr.)	Metre	606	547	495	495	593	585	577	519	563	560	561	708	558	558	566	
	(c) Depth (325 to 400) mm (Cement 22.0Kg/Mtr.)	Metre	814	736	664	664	797	787	777	697	756	753	753	952	750	750	760	
	<b>(v) Projection (400 to 450) mm.</b>																	
	(a) Depth (150 to 200) mm (Cement 15.0Kg/Mtr.)	Metre	542	492	449	449	530	523	516	468	506	504	504	627	502	502	509	
	(b) Depth (225 to 300) mm (Cement 20.0Kg/Mtr.)	Metre	749	678	614	614	733	724	714	643	697	694	694	872	691	691	701	
	(c) Depth (325 to 400) mm (Cement 26.0Kg/Mtr.)	Metre	984	890	804	804	964	952	940	844	914	910	911	1148	907	907	919	

**SECTION 1. -----BUILDING WORKS**

**(H) BAND MOULDING, CORNICE ETC.**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurdwar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
5	Renewing plaster of cornice (with moulding but without floral or similar intricate patterns)including petty repairs to masonry with 15 mm thick cement plaster (1:4) (Payment to be made on length of cornice): In ground floor.																	
	<b>(i) Projection (75 to 125) mm</b>																	
	(a) Depth (100 to 125) mm (Cement 2.5Kg/Mtr.)	Metre	89	83	81	81	87	86	85	82	86	85	85	95	85	85	86	
	(b) Depth (150 to 200) mm (Cement 3.0Kg/Mtr.)	Metre	98	91	88	88	96	94	93	90	94	94	94	106	93	93	95	
	<b>(ii) Projection (175 to 225) mm</b>																	
	(a) Depth (100 to 125) mm (Cement 4.0Kg/Mtr.)	Metre	116	109	105	105	114	112	110	107	112	111	112	126	111	111	113	
	(b) Depth (150 to 200) mm (Cement 4.0Kg/Mtr.)	Metre	143	134	129	129	140	138	136	131	137	137	137	155	136	136	138	
	(c) Depth (225 to 300) mm (Cement 5.0Kg/Mtr.)	Metre	164	151	144	144	159	157	154	147	156	155	155	179	154	154	157	
	<b>(iii) Projection (250 to 300) mm</b>																	
	(a) Depth (100 to 125) mm (Cement 4.4Kg/Mtr.)	Metre	162	151	146	146	159	156	154	148	156	155	155	176	154	154	156	
	(b) Depth (150 to 200) mm (Cement 5.0Kg/Mtr.)	Metre	172	160	154	154	168	166	163	156	165	164	164	187	163	163	166	
	(c) Depth (225 to 300) mm (Cement 6.0Kg/Mtr.)	Metre	214	200	192	192	210	207	204	196	206	205	205	233	204	204	207	
	<b>(iv) Projection (325 to 375) mm</b>																	
	(a) Depth (150 to 200) mm (Cement 6.0Kg/Mtr.)	Metre	211	196	189	189	206	203	200	192	202	201	201	229	200	200	203	
	(b) Depth (225 to 300) mm (Cement 7.0Kg/Mtr.)	Metre	233	217	207	207	228	225	222	211	223	222	222	255	221	221	224	
	(c) Depth (325 to 400) mm (Cement 8.0Kg/Mtr.)	Metre	261	242	229	229	255	252	248	235	248	247	248	288	246	246	250	
	<b>(v) Projection (400 to 450) mm</b>																	
	(a) Depth (150 to 200) mm (Cement 7.0Kg/Mtr.)	Metre	224	208	200	200	219	216	213	204	215	214	214	244	213	213	216	
	(b) Depth (225 to 300) mm (Cement 8.0Kg/Mtr.)	Metre	262	242	230	230	256	252	249	235	249	248	248	289	247	247	251	
	(c) Depth (325 to 400) mm (Cement 9.0Kg/Mtr.)	Metre	303	279	263	263	296	292	288	270	287	286	286	338	285	285	289	



**SECTION 1. -----BUILDING WORKS**

**(I) PLASTERING, POINTING ETC.**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurdwar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
	<b>A. ORIGINAL WORKS</b>																	
1	Plaster (to wall, floor, ceiling etc.) with sand and cement mortar including rounding off or chamfering corners as directed and raking out joints including throating, nosing and drip course, scaffolding/staging where necessary (Ground floor).[Excluding cost of chipping over concrete surface]																	
	<b>(i) With 1:6 cement mortar</b>																	
	(a) 25 mm thick plaster	Sq.M	195	178	176	176	187	183	178	176	187	186	185	208	184	184	189	
	(b) 20 mm thick plaster	Sq.M	167	152	151	151	160	156	152	151	160	159	159	178	157	157	162	
	(c) 15 mm thick plaster	Sq.M	145	134	133	133	140	137	134	133	140	139	139	153	138	138	141	
	<b>(ii) With 1:4 cement mortar</b>																	
	(a) 20 mm thick plaster	Sq.M	186	172	170	170	180	176	172	170	180	178	179	197	177	177	181	
	(b) 15 mm thick plaster	Sq.M	161	150	149	149	156	153	150	149	156	155	155	169	154	154	157	
	(c) 10 mm thick plaster	Sq.M	129	122	121	121	126	124	122	121	126	125	125	135	125	125	127	
	<b>(iii) With 1:3 cement mortar</b>																	
	(a) 20 mm thick plaster	Sq.M	206	191	190	190	199	195	191	190	199	198	198	217	197	197	201	
	(b) 15 mm thick plaster	Sq.M	174	163	162	162	169	166	163	162	169	168	168	183	167	167	171	
	(c) 10 mm thick plaster	Sq.M	135	128	127	127	132	130	128	127	132	131	132	141	131	131	133	
	<b>(iv) 1:2 cement mortar (to be used in floors and for special works)</b>																	
	(a) 15 mm. thick plaster	Sq.M	195	185	184	184	191	188	185	184	191	190	191	204	190	190	193	
	(b) 10 mm. thick plaster	Sq.M	160	153	152	152	157	155	153	152	157	156	157	165	156	156	158	
2	Plaster (to wall, floor, ceiling etc.) with composite mortar of sand, lime and cement including round off or chamfering corners as directed and raking out joints and roughening of concrete surface including throating, nosing and drip course where necessary (Ground floor).																	

**SECTION 1. -----BUILDING WORKS**

**(I) PLASTERING, POINTING ETC.**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
	(i) With (1:2:9) composite mortar with 1 cement : 2 lime paste/putty : 9 sand																	
	(a) 35 mm. thick plaster	Sq.M	239	208	205	205	227	215	208	205	221	219	218	261	216	216	223	
	(b) 25 mm. thick plaster	Sq.M	196	174	173	173	188	179	174	173	184	183	182	213	180	180	185	
	(c) 20 mm. thick plaster	Sq.M	166	148	147	147	159	152	148	147	156	155	154	179	153	153	157	
	(d) 15 mm. thick plaster	Sq.M	148	135	134	134	143	138	135	134	141	140	139	158	138	138	141	
	(ii) With (1:1:6) composite mortar with 1 cement : 1 lime paste/putty : 6 sand																	
	(a) 20 mm. thick plaster	Sq.M	172	155	154	154	166	159	155	154	163	162	162	185	160	160	164	
	(b) 15 mm. thick plaster	Sq.M	153	140	139	139	148	143	140	139	146	145	145	163	144	144	147	
	(c) 10 mm. thick plaster	Sq.M	122	113	113	113	119	115	113	113	117	117	116	128	116	116	118	
3	Plaster with lime and surki mortar including rounding off or chamfering corners as directed and raking out joints (Ground floor).																	
	(i) With lime & surki mortar (1:2)																	
	(a) 20 mm. thick plaster	Sq.M	168	156	153	153	168	159	159	157	157	156	155	179	157	156	156	
	(b) 15 mm. thick plaster	Sq.M	146	137	134	134	146	139	139	138	138	137	136	154	138	137	137	
	(ii) With lime & surki mortar (1:3)																	
	(a) 25 mm thick plaster	Sq.M	171	160	156	156	171	163	163	161	161	160	158	182	161	160	160	
	(b) 19 mm thick plaster	Sq.M	153	144	140	140	153	146	146	145	145	144	143	163	145	144	144	
	(c) 12.5 mm thick plaster	Sq.M	120	113	111	111	120	115	115	114	114	113	112	126	114	113	113	
	(iii) With lime & surki mortar (1:4)																	
	(a) 25 mm thick plaster	Sq.M	165	154	150	150	165	158	157	156	156	154	153	176	156	154	154	
	(b) 19 mm thick plaster	Sq.M	138	131	127	127	138	133	133	131	131	130	129	146	131	130	130	
	(c) 12.5 mm thick plaster	Sq.M	111	106	103	103	111	107	107	106	106	106	105	116	106	106	106	
4	Sand and lime plaster including rounding off or chamfering corners as directed and raking out joints where necessary.																	
	(i) (1:2) with Lime & Sand mortar																	

**SECTION 1. -----BUILDING WORKS**

**(I) PLASTERING, POINTING ETC.**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
	(a) 19 mm thick plaster	Sq.M	144	125	124	124	138	129	125	124	132	131	130	158	129	129	132	
	(b) 12 mm thick plaster	Sq.M	107	95	95	95	104	98	95	95	100	99	98	116	98	98	100	
	<b>(ii) (1:3) with Lime &amp; Sand mortar</b>																	
	(a) 25 mm thick plaster	Sq.M	150	126	125	125	142	131	126	125	136	134	133	167	131	131	136	
	(b) 19 mm thick plaster	Sq.M	125	107	106	106	119	111	107	106	114	113	112	138	111	111	114	
	(c) 12.5 mm thick plaster	Sq.M	104	92	91	91	100	94	92	91	97	96	95	112	94	94	97	
	<b>(iii) (1:4) with Lime &amp; Sand mortar</b>																	
	(a) 25 mm thick plaster	Sq.M	137	116	114	114	129	121	116	114	125	124	122	152	121	121	125	
	(b) 19 mm thick plaster	Sq.M	113	97	95	95	107	100	97	95	104	102	101	124	100	100	104	
	(c) 12.5 mm thick plaster	Sq.M	93	82	82	82	89	85	82	82	87	86	85	100	85	85	87	
5	Surki beaten plaster (1:2) including rounding off or chamfering corners, as directed and raking out joints or roughening surface																	
	(a) 19 mm thick plaster	Sq.M	158	147	144	144	158	149	149	148	148	147	146	169	148	147	147	
	(b) 12.5 mm thick plaster	Sq.M	118	111	108	108	118	112	112	111	111	111	110	125	111	111	111	
6	Flush pointing to brick work in cement mortar (1:4) including raking out joints.	Sq.M	78	75	75	75	77	76	75	75	77	76	76	79	76	76	77	
7	Flush pointing to ceiling tiles in cement mortar including raking out joints (1:4)	Sq.M	76	74	74	74	75	75	74	74	75	75	75	78	75	75	75	
8	Flush pointing to arched ceiling in cement mortar (1:4) & top finishing including raking out joints.	Sq.M	83	80	80	80	82	81	80	80	82	81	81	84	81	81	82	
9	Flush pointing to tiled floor in cement mortar (1:4) with admixture of pigment to match with colour of tiles including raking out joints.	Sq.M	79	77	77	77	78	78	77	77	78	78	78	81	78	78	79	
10	Flush pointing to stone masonry wall in cement mortar (1:3) including raking out joints (Cement 0.119 Cu.m/100 Sq.m)	Sq.M	41	39	39	39	40	40	39	39	40	40	40	43	40	40	41	
11	Rule pointing to brick work in cement mortar (1:4) including raking out joints & top finishing.	Sq.M	81	78	78	78	80	79	78	78	80	79	80	82	79	79	80	

**SECTION 1. -----BUILDING WORKS**

**(I) PLASTERING, POINTING ETC.**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
12	Rule pointing to brick work in cement mortar (1:4) with admixture of pigment to match with colour of brick including raking out joints.	Sq.M	83	81	81	81	82	81	81	81	82	82	82	85	82	82	82	
	NOTE : For items 6 to 12 under subhead A, cement 0.091 Cu.m, sand 0.366 Cu.m per 100 Sq.m.																	
13	Rule pointing to brick work with ruled joints in lime and surki 1:2 mortar including raking out joints and top finishing (1 lime paste/ putty : 2 surki ).	Sq.M	55	53	52	52	55	53	53	53	53	53	53	56	53	53	53	
14	Tuck pointing to brick work in cement mortar (1:3) including raking out joints. (Cement 0.119 Cu.m/100 Sq.m)	Sq.M	110	108	108	108	109	108	108	108	109	109	109	112	109	109	109	
15	Neat cement punning about 1.5mm thick in wall, dado, window sill, floor etc. NOTE:Cement 0.152 cu.m per100 sq.m.	Sq.M	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	
16	Lime punning about 3 mm. thick with stone lime and shell lime (1:2)	Sq.M	81	81	81	81	81	81	81	81	81	81	81	83	81	81	81	
	<b>B. MISCELLANEOUS ITEMS</b>																	
1	Labour for Chipping of concrete surface before taking up Plastering work.	Sq.M	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	
2	Sand rubbing including preparing and smoothening surface with admixture of pigment if necessary as directed :																	
	(a) Ground floor	Sq.M	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	
	(b) Extra for each additional floor	Sq.M	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	
3	Making V-groove line ( 6 mm. wide, 6 mm. deep) in plastered surface.	%Metre	493	493	493	493	493	493	493	493	493	493	493	493	493	493	493	
4	Making V-groove line ( 12 mm wide,12 mm deep) in plastered surface.	%Metre	580	580	580	580	580	580	580	580	580	580	580	580	580	580	580	

**SECTION 1. -----BUILDING WORKS**

**(I) PLASTERING, POINTING ETC.**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
5	Closing gap between door and window frame and jambs with cement mortar (1:3) including removing old mortar (throughout entire surface of contact) and cleaning the joint. (Cement 0.012 Cu.m/100 Mtr.) (This item is not payable for new works).	%Metre	1102	1077	1075	1075	1091	1084	1077	1075	1091	1089	1090	1121	1087	1087	1094	
	<b>C. ADDITIONAL RATE</b>																	
1	Extra for each additional floor over the rate for ground floor items 1 to 3 of subhead A :																	
	<b>(i) External plaster</b>																	
	(a) Upto 4th floor	Sq.M	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	
	(b) Above 4th floor	Sq.M	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	
	<b>(ii) Internal plaster</b>																	
	(a) Upto 4th floor	Sq.M	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	
	(b) Above 4th floor	Sq.M	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	
2	Extra for Rusticated plaster (over rate of corresponding item of plaster)																	
	(a) With sand plus cement (Cement 0.053 Cu.m/100Sq.m)	Sq.M	13	13	13	13	13	13	13	13	13	13	13	14	13	13	13	
	(b) With stone chips (Cement 0.086 Cu.m/100Sq.m)	Sq.M	55	53	53	48	52	56	57	54	53	54	47	60	56	59	53	
3	Extra for fluted, corrugated or ribbed plaster (over rate of corresponding rate of plaster). (Cement 0.135 Cu.m/100Sq.m)	Sq.M	40	39	38	38	39	39	39	38	39	39	39	42	39	39	40	

**SECTION 1. -----BUILDING WORKS**  
**(J)WHITE WASH, COLOUR WASH, DISTEMPER**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
	<b><u>A. ORIGINAL WORKS</u></b>																	
1	White washing including cleaning and smoothening surface thoroughly.																	
	<b><u>All floors :</u></b>																	
	(a) One coat	%Sq.M	1309	1309	1309	1309	1309	1309	1309	1309	1309	1309	1309	1329	1309	1309	1309	
	(b) Two coats (to be done on specific instruction).	%Sq.M	1814	1814	1814	1814	1814	1814	1814	1814	1814	1814	1814	1844	1814	1814	1814	
	(c) Three coats (on new works only).	%Sq.M	2001	2001	2001	2001	2001	2001	2001	2001	2001	2001	2001	2033	2001	2001	2001	
2	Chalk washing (one coat) - any height.	Sq.M	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	
3	Colour washing with "ELLA" with a coat of white wash priming including cleaning and smoothening surface thoroughly :																	
	<b><u>(i) Internal (all floors)</u></b>																	
	(a) One coat	%Sq.M	1437	1437	1437	1437	1437	1437	1437	1437	1437	1437	1437	1460	1437	1437	1437	
	(b) Two coats	%Sq.M	2153	2153	2153	2153	2153	2153	2153	2153	2153	2153	2153	2187	2153	2153	2153	
	<b><u>(ii) External surface (ground floor)</u></b>																	
	(a) One coat	%Sq.M	1455	1455	1455	1455	1455	1455	1455	1455	1455	1455	1455	1478	1455	1455	1455	
	(b) Two coats	%Sq.M	2177	2177	2177	2177	2177	2177	2177	2177	2177	2177	2177	2211	2177	2177	2177	
	<b><u>N.B. : Extra for each additional floor in external walls refer item 1 of subhead C</u></b>																	
4	Colour washing with any shade with Stainers, as required including cleaning and smoothening surface thoroughly :																	
	<b><u>(i) Internal surface (All floors)</u></b>																	
	(a) One coat of colour wash																	
	(i) Other than yellow, pink.	%Sq.M	1462	1462	1462	1462	1462	1462	1462	1462	1462	1462	1462	1484	1462	1462	1462	
	(ii) Yellow, pink.	%Sq.M	1472	1472	1472	1472	1472	1472	1472	1472	1472	1472	1472	1494	1472	1472	1472	
	(b) Two coats (on new works only).																	
	(i) Other than yellow, pink.	%Sq.M	2046	2046	2046	2046	2046	2046	2046	2046	2046	2046	2046	2079	2046	2046	2046	
	(ii) Yellow, pink.	%Sq.M	2061	2061	2061	2061	2061	2061	2061	2061	2061	2061	2061	2094	2061	2061	2061	
	<b><u>(ii) External surface (Ground floor)</u></b>																	
	(a) One coat																	
	(i) Other than yellow, pink.	%Sq.M	1515	1515	1515	1515	1515	1515	1515	1515	1515	1515	1515	1537	1515	1515	1515	
	(ii) Yellow, pink.	%Sq.M	1525	1525	1525	1525	1525	1525	1525	1525	1525	1525	1525	1547	1525	1525	1525	

**SECTION 1. -----BUILDING WORKS**  
**(J)WHITE WASH, COLOUR WASH, DISTEMPER**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Derjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
	(b) Two coats (on new works only).																	
	(i) Other than yellow, pink.	%Sq.M	2135	2135	2135	2135	2135	2135	2135	2135	2135	2135	2135	2168	2135	2135	2135	
	(ii) Yellow, pink.	%Sq.M	2150	2150	2150	2150	2150	2150	2150	2150	2150	2150	2150	2183	2150	2150	2150	
	<b>N.B. : Extra for each additional floor in external walls refer item 1 of subhead C</b>																	
5	Cement washing including cleaning and smoothening surface thoroughly (cement to be used @15 kg./100 sq.m. of surface for one coat and @25 kg./100 sq.m of surface for two coats):																	
	<b>External surface (Ground floor)</b>																	
	(a) One coat	%Sq.M	915	915	915	915	915	915	915	915	915	915	918	918	918	918	918	
	(b) Two coats (on new works only).	%Sq.M	1424	1424	1424	1424	1424	1424	1424	1424	1424	1424	1429	1429	1429	1429	1429	
	<b>N.B. : Extra for each additional floor in external walls refer item 1 of subhead C</b>																	
6	Red oxide wash of approved shade including cleaning and smoothening surface thoroughly (without specific permission from the Engineer-in-charge this item of work must not be done on an old painted surface which has not received such red oxide wash before) :																	
	<b>External surface (Ground floor)</b>																	
	(a) One coat	%Sq.M	2425	2425	2425	2425	2425	2425	2425	2425	2425	2425	2425	2452	2425	2425	2425	
	(b) Two coats (on new works only).	%Sq.M	3311	3311	3311	3311	3311	3311	3311	3311	3311	3311	3311	3353	3311	3311	3311	
	<b>N.B. : Extra for each additional floor in external walls refer item 1 of subhead C</b>																	
7	Applying Interior grade Acrylic Primer of approved quality and brand on plastered or concrete surface old or new surface to receive Distemper/ Acrylic emulsion paint including scraping and preparing the surface throughly, complete as per manufacturer's specification and as per direction of the EIC. <b>(In Ground Floor)</b>																	
	<b>(a) One Coat</b>																	
	i) Water based interior grade Acrylic Primer	%Sq.M	3080	3080	3080	3080	3080	3080	3080	3080	3080	3080	3080	3140	3080	3080	3080	
	ii) Solvent based interior grade Acrylic Primer	%Sq.M	3370	3370	3370	3370	3370	3370	3370	3370	3370	3370	3370	3440	3370	3370	3370	
	<b>(b) Two Coats</b>																	

**SECTION 1. -----BUILDING WORKS**  
**(J) WHITE WASH, COLOUR WASH, DISTEMPER**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) / Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Derjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
	i) Water based interior grade Acrylic Primer	%Sq.M	4420	4420	4420	4420	4420	4420	4420	4420	4420	4420	4420	4510	4420	4420	4420	
	ii) Solvent based interior grade Acrylic Primer	%Sq.M	4850	4850	4850	4850	4850	4850	4850	4850	4850	4850	4850	4960	4850	4850	4850	
	[This item to be done under specific instruction of the Superintending Engineer]																	
8	Applying Exterior grade Acrylic primer of approved quality and brand on plastered or concrete surface old or new surface to receive decorative textured (matt finish) or smooth finish acrylic exterior emulsion paint including scraping and preparing the surface throughly, complete as per manufacturer's specification and as per direction of the EIC.																	
	<b>In Ground Floor:</b>																	
	(a) One Coat	%Sq.M	3140	3140	3140	3140	3140	3140	3140	3140	3140	3140	3140	3200	3140	3140	3140	
	(b) Two Coats	%Sq.M	4510	4510	4510	4510	4510	4510	4510	4510	4510	4510	4510	4600	4510	4510	4510	
	[This item to be done under specific instruction of the Superintending Engineer]																	
	<b>N.B.:-Extra for each additional floor in external walls refer item 1 of subhead C</b>																	
9	Dry Distemparing to interior walls or ceiling including cleaning, washing, smoothening surface																	
	(a) One Coat	Sq.M	33	33	33	33	33	33	33	33	33	33	33	34	33	33	33	
	(b) Two coat	Sq.M	49	49	49	49	49	49	49	49	49	49	49	50	49	49	49	
10	Acrylic Distemper to interior wall, ceiling with a coat of solvent based interior grade acrylic primer (as per manufacturer's specification) including cleaning and smoothening of surface. <b>Two Coats</b>	Sq.M	70	70	70	70	70	70	70	70	70	70	70	71	70	70	70	
11	Synthetic Distemper to interior wall, ceiling with a coat of solvent based interior grade acrylic primer (as per manufacturer's specification) including cleaning and smoothening of surface. <b>Two Coats</b>	Sq.M	68	68	68	68	68	68	68	68	68	68	68	69	68	68	68	
12	Bordering (upto 7.5 cm. width) with dry distemper	Sq.M	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	
13	Bordering (upto 75 mm. width) in distemper including cost of materials by two coats acrylic distemper and one coat solvent based acrylic primer.	%Metre	705	705	705	705	705	705	705	705	705	705	705	716	705	705	705	



**SECTION 1. -----BUILDING WORKS**  
**(J)WHITE WASH, COLOUR WASH, DISTEMPER**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Derjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
14	Bordering (upto 75 mm. width) in distemper including cost of materials by two coats Synthetic distemper and one coat solvent based acrylic primer.	%Metre	689	689	689	689	689	689	689	689	689	689	689	700	689	689	689	
15	Applying decorative cement based paint of approved quality after preparing the surface including scraping the same thoroughly (plastered or concrete surface) as per manufacturer's specification.																	
	<b>In Ground floor:</b>																	
	(i) One coat on old surface.	Sq.M	31	31	31	31	31	31	31	31	31	31	31	32	31	31	31	
	(ii) One coat on new surface.	Sq.M	34	34	34	34	34	34	34	34	34	34	34	35	34	34	34	
	(iii) Two coats.	Sq.M	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	
16	Protective and Decorative Textured exterior high class matt finish paint of approved quality, composed of special Tharmoplastic Resin containing fine crystalline additives derive from Granite as per manufacturer's specification and as per direction of EIC to be applied over acrylic primer as required. The rate includes cost of material, labour, scaffolding and all incidental charges but excluding the cost of primer.																	
	<b>In Ground floor</b>																	
	Two Coat	Sq.M	101	101	101	101	101	101	101	101	101	101	101	105	101	101	101	
	<b>N.B. This item is to be selected only with written permission of Superintending Engineer for very resticted and small areas of a building.</b>																	
17	Protective and Decorative Acrylic exterior emulsion paint of approved quality, as per manufacturer's specification and as per direction of Engineer-in-Charge to be applied over acrylic primer as required. The rate includes cost of material, labour, scaffolding and all incidental charges but excluding the cost of primer.																	
	<b>In Ground floor (Two Coat)</b>																	
	a) Normal Acrylic Emulsion	Sq.M	67	67	67	67	67	67	67	67	67	67	67	68	67	67	67	
	b) Premium 100% Acrylic Emulsion	Sq.M	84	84	84	84	84	84	84	84	84	84	84	85	84	84	84	
	c) Super Protective 100% Acrylic Emulsion.	Sq.M	97	97	97	97	97	97	97	97	97	97	97	98	97	97	97	

**SECTION 1. -----BUILDING WORKS**  
**(J)WHITE WASH, COLOUR WASH, DISTEMPER**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Derjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
	<b>N.B. The items [17 (b) &amp; 17(c)] of subhead A are to be selected only with written permission of Superintending Engineer for very resticted and small areas of a building.</b>																	
	<b><u>B. MISCELLANEOUS ITEMS</u></b>																	
1	Scraping of moss, blisters etc.thoroughly from exterior surface of walls necessitating the use of scraper, wire brush etc.(Payment against this item will be made only when this has been done on the specific direction of the Engineer-in-charge)	Sq.M	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	
2	Scraping and removing greasy soot from walls or ceiling of kitchen or similar smoke affected rooms and preparing the surface.	Sq.M	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	
3	Rounding corners with cement mortar (1:3) for crack repairs.	Metre	14	13	13	13	13	13	13	13	13	13	13	14	13	13	13	
4	Removing old scales, blisters etc. of interior surface of walls,ceiling by scraping etc. and preparing smooth and even surface with rendering or cement mortar (1:2) (as necessary), to make the surface suitable for receiving distemper. (Payment against this item will be made only when this has been done on the specific direction of the Engineer-in-charge).	%Sq.M	1017	1009	1008	1008	1013	1011	1009	1008	1013	1013	1013	1023	1013	1013	1015	
5	Rendering the Surface of walls and ceiling with White Cement base WATER PROOF wall putty of approved make & brand.(1.5 mm thick)	sq.m	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122	
	Add extra for each additional floor over the rate for ground floor for the above item when used on External Surface																	
	(i) Upto 4th floor	% sq.m	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	
	(ii) Above 4th floor	% sq.m	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	
	<b><u>C. ADDITIONAL RATE</u></b>																	
1	Add extra for each additional floor over the rate for ground floor on items (3 to 6) and item (8), (15 to17) of subhead A																	
	<b>External surface</b>																	
	(i) Upto 4th floor	%Sq.M	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	

**SECTION 1. -----BUILDING WORKS**  
**(J)WHITE WASH, COLOUR WASH, DISTEMPER**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Derjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurduar, plains of Sitiguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
	(ii) Above 4th floor	%Sq.M	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	
	NOTE: For all structures the ground floor equivalent height shall be taken as 4 meters. Every 4 meters or part thereof above 4 meters shall be taken as each additional floor for purpose of item (3 to 6) and (8), (15 to 17) of subhead A.																	

**SECTION 1. -----BUILDING WORKS**

**(K) PAINTING, VERNISHING ETC.**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurdwar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
	<b><u>A. ORIGINAL WORKS</u></b>																	
1	(a) Priming one coat on steel or other metal surface with synthetic oil bound primer of approved quality including smoothening surfaces by sand papering etc.	Sq.M	29	29	29	29	29	29	29	29	29	29	29	30	29	29	29	
	(b) Priming one coat on timber or plastered surface with synthetic oil bound primer of approved quality including smoothening surfaces by sand papering etc.	Sq.M	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	
	<b>(This item is applicable to new work or old work when the original surface has been exposed by removal of old paint.)</b>																	
2	(A) Painting with best quality synthetic enamel paint of approved make and brand including smoothening surface by sand papering etc. including using of approved putty etc. on the surface, if necessary :																	
	<b>(a) On timber or plastered surface :</b>																	
	<b>With super gloss (hi-gloss) -</b>																	
	(i) One coat (white in shade)	Sq.M	52	52	52	52	52	52	52	52	52	52	52	53	52	52	52	
	(ii) Two coats (white in shade)	Sq.M	78	78	78	78	78	78	78	78	78	78	78	79	78	78	78	
	(iii) One coat (with any shade except white)	Sq.M	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	
	(iv) Two coats (with any shade except white)	Sq.M	81	81	81	81	81	81	81	81	81	81	81	82	81	81	81	
	<b>With other than hi-gloss of approved quality-</b>																	
	(i) One coat (white in shade)	Sq.M	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	
	(ii) Two coats (white in shade)	Sq.M	70	70	70	70	70	70	70	70	70	70	70	71	70	70	70	
	(iii) One coat (with any shade except white)	Sq.M	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	
	(iv) Two coats (with any shade except white)	Sq.M	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	
	<b>(b) On steel or other metal surface :</b>																	
	<b>With super gloss (hi-gloss) -</b>																	
	(i) One coat (white in shade)	Sq.M	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	
	(ii) Two coats (white in shade)	Sq.M	77	77	77	77	77	77	77	77	77	77	77	78	77	77	77	

**SECTION 1. -----BUILDING WORKS**

**(K) PAINTING, VERNISHING ETC.**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurdwar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
	(iii) One coat (with any shade except white)	Sq.M	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	
	(iv) Two coats (with any shade except white)	Sq.M	79	79	79	79	79	79	79	79	79	79	79	80	79	79	79	
	<b>With other than hi-gloss of approved quality-</b>																	
	(i) One coat (white in shade)	Sq.M	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	
	(ii) Two coats (white in shade)	Sq.M	70	70	70	70	70	70	70	70	70	70	70	71	70	70	70	
	(iii) One coat (with any shade except white)	Sq.M	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	
	(iv) Two coats (with any shade except white)	Sq.M	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	
3	(B) Painting with superior quality aluminium paint of approved make and brand including smoothening surface by sand papering etc. on steel surface :																	
	(a) One coat	Sq.M	34	34	34	34	34	34	34	34	34	34	34	35	34	34	34	
	(b) Two coats	Sq.M	57	57	57	57	57	57	57	57	57	57	57	58	57	57	57	
4	Applying Acrylic Emulsion Paint of approved make and brand on walls and ceiling including sand papering in intermediate coats including putty (to be done under specific instruction of Superintending Engineer) : <b>(Two coats)</b>																	
	i) Standard Quality	Sq.M	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	
	ii) Luxury Quality	Sq.M	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	
5	Painting with ready mixed Black Japan of approved make and brand including smoothening surface																	
	(a) One coat	Sq.M	32	32	32	32	32	32	32	32	32	32	32	33	32	32	32	
	(b) Two coats	Sq.M	56	56	56	56	56	56	56	56	56	56	56	57	56	56	56	
6	Borders (up to 150 mm. width) with two coats of Black Japan Paint.	Metre	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	
7	Coal tarring :																	
	(a) One coat	Sq.M	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	
	(b) Two coats	Sq.M	34	34	34	34	34	34	34	34	34	34	34	35	34	34	34	

**SECTION 1. -----BUILDING WORKS**

**(K) PAINTING, VERNISHING ETC.**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurdwar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
8	Painting with oil type wood preservative of approved brand & make.																	
	(a) One coat	Sq.M	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	
	(b) Two coats	Sq.M	40	40	40	40	40	40	40	40	40	40	40	41	40	40	40	
9	Painting with ready mixed red lead paint of approved make and brand :																	
	(a) One coat	Sq.M	31	31	31	31	31	31	31	31	31	31	31	32	31	31	31	
	(b) Two coats	Sq.M	55	55	55	55	55	55	55	55	55	55	55	56	55	55	55	
10	Copal varnish of approved quality including preparing surface :																	
	(i) On new wood work :																	
	(a) One coat	Sq.M	122	122	122	122	122	122	122	122	122	122	122	123	122	122	122	
	(b) Two coats	Sq.M	184	184	184	184	184	184	184	184	184	184	184	184	184	184	184	
	(ii) On old varnish surface including removing old varnish and exposing original surface :																	
	(a) One coat	Sq.M	171	171	171	171	171	171	171	171	171	171	171	172	171	171	171	
	(b) Two coats	Sq.M	252	252	252	252	252	252	252	252	252	252	252	252	252	252	252	
11	French polishing to wood work including preparing surface (ordinary gloss)																	
	(a) On new wood work	Sq.M	467	467	467	467	467	467	467	467	467	467	467	474	467	467	467	
	(b) On old French polished surface including complete removal of the old polish.	Sq.M	538	538	538	538	538	538	538	538	538	538	538	545	538	538	538	
	NOTE : For high gloss polish the rate shall be increased by 50% over the rate for ordinary gloss. This work should not be executed without specific permission of Superintending Engineer.																	
12	Ready mix Wax polishing to wood work including preparing surface.																	
	(a) On new wood work.	Sq.M	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	
	(b) On old wax polished surface including removal of old polish.	Sq.M	115	115	115	115	115	115	115	115	115	115	115	116	115	115	115	

**SECTION 1. -----BUILDING WORKS**

**(K) PAINTING, VERNISHING ETC.**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurdwar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
13	Polyurethane Polishing to woodwork with required colour as approved by Engineer-in-Charge with preparing surface including scaffolding and hire charges of compressor machine including cost of filler and hardener material such as P. U. Sealing, P. U. Top coat (Matt/Glossy), Thinner, Spirit etc. and inclusive of all operation, material and labour complete as per direction of Engineer-in- Charge.	sqm.	837	837	837	837	837	837	837	837	837	837	837	837	837	837	837	
14	Melamine finish coating over polished wooden surface after preparing the surface as per decision and direction of Engineer-in-Charge.	Sq.M.	75	75	75	75	75	75	75	75	75	75	75	78	75	75	75	
	<b>B. MISCELLANEOUS ITEMS</b>																	
1	Removing loose scales, blisters etc. from old painted surface and thoroughly smoothening the surface to make the same suitable for receiving fresh coat of paint.	Sq.M	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	
2	Removing old paint from blistered painted surface with application of soda, sajimati or any approved chemical paint remover and exposing the original surface including cleaning and thorough washing to remove all traces of the removing agent including taking out shutters and refixing the same where necessary.	Sq.M	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	
3	Removing old paint from blistered painted surface of steel or other metal by chipping including scraping and cleaning and exposing the original surface.	Sq.M	47	48	48	48	48	48	48	48	48	48	48	48	48	48	48	
4	Removing thick layers of paint from heavily cracked and blistered painted surface of timber by careful burning with blow lamp including smoothening exposed surface of timber with pumice stone or glass and preparing the same for fresh treatment.	Sq.M	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	

**SECTION 1. -----BUILDING WORKS**

**(K) PAINTING, VERNISHING ETC.**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Div.	Jalpaiguri, Alipurdwar, plains of Siliguri Sub Div. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
	<b>N.B.:</b> (Payment against item (1, 2, 3, 4) of subhead B will be made only when done at specific direction of the Engineer- in-charge. Cost of taking out shutter etc.for this item and rehanging the same or changing glass panes cracked or broken in the operation will be deemed to be covered by the rate of this item and no seperate payment therefore shall be made.)																	
5	(a) Rendering the surface of walls and ceiling with plaster of paris (thickness not less than 1.5 mm.)	Sq.M	65	60	60	60	60	60	60	60	60	60	60	60	60	60	60	
	(b) Rendering the surface of walls and ceiling with white cement based wall putty of approved make and brand(1.5mm thick)	Sq.M	110	110	110	110	110	110	110	110	110	110	110	112	110	121	121	
6	(a)Cleaning the walls and ceiling by scraping, sand papering and smoothening down the surface including putting.	Sq.M	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	
	(b) Washing & cleaning the wall surface & ceiling by soft detergent powder & soft water & render the surface free of dust, stain etc.	Sq.M	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	
7	Washing and cleaning old painted surface and oiling with linseed oil.	Sq.M	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	
8	Cleaning old painted surface and oiling with linseed oil with admixture of paint (25% of linseed oil by volume.)	Sq.M	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	
9	Frosting glass panes by dabbing white paint	Sq.M	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	
10	Painting black board with approved paint after scraping and polishing surface etc.	Sq.M	78	78	78	78	78	78	78	78	78	78	78	79	78	78	78	



**SECTION I. -----BUILDING WORKS**

**(L) GLAZIER'S WORK**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurdwar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
	<b>A. ORIGINAL WORKS</b>																	
1	Supplying best Indian sheet glass panes set in putty and fitted and fixed with nails and putty complete. (In all floors for internal wall & upto 6 m height for external wall)																	
	(i) 3 mm thick (weighing 7.4 kg/Sq.m)	Sq.M	477	477	477	477	477	477	477	477	477	477	477	490	477	477	477	
	(ii) 4 mm thick	Sq.M	536	536	536	536	536	536	536	536	536	536	536	543	536	536	536	
2	Supplying best Indian sheet glass panes set in putty (as per I.S specification) and fitted and fixed with teak wood beads and nails complete. (In all floors for internal wall & upto 6 m height for external wall)																	
	(i) 3 mm thick (weighing 7.4 kg/Sq.m)	Sq.M	779	779	779	779	779	779	779	779	779	779	779	805	779	779	779	
	(ii) 4 mm thick	Sq.M	838	838	838	838	838	838	838	838	838	838	838	858	838	838	838	
3	Supplying best Indian Reinforced wire safety glass 6 mm thick including cutting to required sizes, setting on putty bases and fitted and fixed with teak glazing bead (19mm x 12mm) including putty and nails as necessary complete. (In all floors for internal wall & upto 6 m height for external wall)	Sq.M	2738	2738	2738	2738	2738	2738	2738	2738	2738	2738	2738	2776	2738	2738	2738	
4	Supplying best Indian Sheet glass 5 mm thick including cutting to required sizes, setting on putty bases and fitted and fixed with teak glazing beads (19 mm x 12 mm) including putty and nails as necessary complete. (In all floors for internal wall & upto 6 m height for external wall)	Sq.M	948	948	948	948	948	948	948	948	948	948	948	968	948	948	948	
5	Supplying best Indian figured glass viz. hammered, fluted, ribbed, pinhead etc. type including cutting to required sizes, setting on putty bases and fitted and fixed with nails and putty complete. (In all floors for internal wall & upto 6 m height for external wall)																	
	(i) 3 mm thick (White)	Sq.M	417	417	417	417	417	417	417	417	417	417	417	424	417	417	417	
	(ii) 3 mm thick (Coloured)	Sq.M	476	476	476	476	476	476	476	476	476	476	476	483	476	476	476	

**SECTION I. -----BUILDING WORKS**

**(L) GLAZIER'S WORK**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurdwar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
6	Supplying best Indian laminated safety glass 5 mm. thick including cutting to required sizes, setting on putty bases and fitted and fixed with teak glazing beads (19 mm x 12 mm) including putty and nails as necessary complete.(In all floors for internal wall & upto 6 m height for external wall)	Sq.M	2047	2047	2047	2047	2047	2047	2047	2047	2047	2047	2047	2073	2047	2047	2047	
7	Supplying, fitting and fixing in position fibre glass panes of approved quality with resin, nail, clip etc. as per IS:12866-1989. (In all floors for internal wall & upto 6 m height for external wall)																	
	(a) 1.2 mm thick (1.85 Kg/Sq.m)	Sq.M	527	527	527	527	527	527	527	527	527	527	527	534	527	527	527	
	(b) 1.6 mm thick (2.5 Kg/Sq.m)	Sq.M	693	693	693	693	693	693	693	693	693	693	693	699	693	693	693	
	(c) 2.0 mm thick (3.36 Kg/Sq.m)	Sq.M	939	939	939	939	939	939	939	939	939	939	939	948	939	939	939	
	(d) 3.0 mm thick (5.10 Kg/Sq.m)	Sq.M	1381	1381	1381	1381	1381	1381	1381	1381	1381	1381	1381	1387	1381	1381	1381	
	(e) 4.0 mm thick (6.72 Kg/Sq.m)	Sq.M	1719	1719	1719	1719	1719	1719	1719	1719	1719	1719	1719	1731	1719	1719	1719	
	(f) 6.0 mm thick (10.0 Kg/Sq.m)	Sq.M	2583	2583	2583	2583	2583	2583	2583	2583	2583	2583	2583	2590	2583	2583	2583	
8	Supplying and affixing optically clear polyester sun control window film having acrylic pressure sensitive adhesive on one side & an acrylic abrasion resistant coating on the other, with composition of infrared absorbing carbon & free from any optical defect. The film characteristics should conform to ASTM E308, ASTM E903, ASTM E84 and ASHRAE. The film should be pasted after preparatory works without any cracking, delamination, bubbling, discolouring and variation in total transmission of light across the width at any portion along the length doesn't exceed 2% over the average including scaffolding & relevant others to complete in all respect as per manufacturer's specification & direction of Engineer -in-Charge. (Note: This work should not be executed without specific permission of Superintending Engineer)																	
	(a) <b>Normal Quality</b> : Film Thickness - 1.0 Mil, Glare Reduction > 45%, U factor < 1.15	Sqm.	326	326	326	326	326	326	326	326	326	326	326	326	326	326	326	
	(b) <b>Superior Quality</b> : Film Thickness - 2.0 Mil, Glare Reduction > 75%, U factor < 1.03, Emissivity < 0.70	Sqm.	544	544	544	544	544	544	544	544	544	544	544	544	544	544	544	

**SECTION I. -----BUILDING WORKS**

**(L) GLAZIER'S WORK**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurdwar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
	<b>B. MISCELLANEOUS ITEMS</b>																	
1	Renewing worn out putty of glass panes :																	
	(a) Panes not exceeding 0.2 Sq.m	Each	33	33	33	33	33	33	33	33	33	33	33	34	33	33	33	
	(b) Panes exceeding 0.2 Sq.m but not exceeding 0.5 Sq.m	Each	51	51	51	51	51	51	51	51	51	51	51	52	51	51	51	
2	Renewing teak wood beads of glass panes (each pane not exceeding 0.2 Sq.m)	Each	48	48	48	48	48	48	48	48	48	48	48	50	48	48	48	
3	Cleaning and removing paint mark from glass pane with spirit and removing strains etc.	Sq.M	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	
4	Taking out carefully from shutter existing broken glass panes, cutting the same to smaller and utilising the same, small pane including cost of fitting and fixing.																	
	(a) Putty and Nails	Each	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	
	(b) With Teak wood Beads and Nails	Each	33	33	33	33	33	33	33	33	33	33	33	34	33	33	33	
	Note:- Add 5% extra for each 6 Mtr. height or part thereof beyond the initial height of 6 Mtr. for item A (1 to 5) & B (10) only. This extra rates is applicable for external works. For maintenance work, 20% extra on the rate of corresponding item to be added.																	
	<b>C. ADDITIONAL RATE</b>																	
1	Extra for fixing glass panes in steel window.	Sq.M	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	

**SECTION 1. -----BUILDING WORKS**

**(M) DRAIN, DOWN PIPES, CHIMNEY ETC.**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
1	Filling up cracks with cement mortar (1:3) at the junction of the out side wall and drain. (Cement 11.4 Kg/100 Mtr.)	%Metre	242	227	225	225	235	231	227	225	235	234	234	253	233	233	237	
2	Cutting shallow drain on roof for easy passage of rain water finised with cement plaster (1:4) complete. (Cement 153.0 Kg/100 Mtr.)	%Metre	2655	2470	2453	2453	2571	2520	2470	2453	2571	2554	2565	2801	2548	2548	2599	
3	Saucer drain upto 150 mm. width in floor and upto 75 mm. Depth including cement plaster (1:3) and neat cement finishing. (Cement 224.0 Kg/100 Mtr.)	%Metre	3182	2960	2940	2940	3081	3020	2960	2940	3081	3061	3082	3364	3061	3061	3122	
4	Regrading mouth of down pipe for easy out let of rain water including cement plaster (1:3) including cutting slope and mending damages. (Cement 57.0 Kg/100 Nos)	Each	18	17	17	17	18	18	17	17	18	18	18	19	18	18	18	
5	Khasia drain of 150 mm. To 225 mm. width in ceement mortar (1:4) finished with neat cement and including adges 35 mm. raised complete. (Cement 270.0 Kg/100 Mtr.)	Metre	48	45	44	44	46	45	45	44	46	46	46	50	46	46	47	
6	Making kutcha drain upto 450 mm. deep and upto 750 mm width to grade including trimming sides and beds, removing spoils to any distance and speading.	Metre	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	
7	Resectioning kutcha drain by mathor labour after removing sludge, filth, night soil etc. and bailing out water from source, making earthen bundh where necessary and removing afterwards, trimming the sides and regrading bottom including necessary chilchalling involving earth work upto 150 mm average thickness and disposal of spoils as directed and fine dressing. ( Payment to be made on area trimmed and dressed i.e. the length measured along the profile length).	Sq.M	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	

**SECTION 1. -----BUILDING WORKS**

**(M) DRAIN, DOWN PIPES, CHIMNEY ETC.**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurdwar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
8	Supply fitting, fixing cast iron down pipes conforming to IS:3989-1970 and IS:1729-1964 in position with necessary clamps, nails including making hole in wall, floor etc. and cutting trenches in any soil through masonry concrete structures etc. if necessary and mending good damages including joining with jointing materials complete.[ Payment will be made on centre line measurement of the total pipe line including specials. Payment for specials will however be paid separately ].																	
	(i) 75 mm. Dia. (Internal)	Metre	502	502	502	502	502	502	502	502	502	502	502	515	502	502	502	
	(ii) 100 mm. Dia. (Internal)	Metre	572	572	572	572	572	572	572	572	572	572	572	588	572	572	572	
	(iii) 150 mm. Dia. (Internal)	Metre	966	966	966	966	966	966	966	966	966	966	966	986	966	966	966	
9	Supplying fitting fixing C.I. Specials of down pipes in position with clamps nails etc. with jointing materials including cutting holes in masonry or concrete, mending good damages complete.																	
	(A) (1) C. I Head or 'Y' or 'T' junction (single) of down pipe. (Without door)																	
	(i) 75 mm. Dia.	Each	541	541	541	541	541	541	541	541	541	541	541	563	541	541	541	
	(ii) 100 mm. Dia.	Each	702	702	702	702	702	702	702	702	702	702	702	711	702	702	702	
	(iii) 150 mm. Dia.	Each	1740	1740	1740	1740	1740	1740	1740	1740	1740	1740	1740	1769	1740	1740	1740	
	(A) (2) C. I Head or 'Y' or 'T' junction (single) of down pipe. (With door)																	
	(i) 75 mm. Dia.	Each	613	613	613	613	613	613	613	613	613	613	613	626	613	613	613	
	(ii) 100 mm. Dia.	Each	773	773	773	773	773	773	773	773	773	773	773	782	773	773	773	
	(iii) 150 mm. Dia.	Each	1820	1820	1820	1820	1820	1820	1820	1820	1820	1820	1820	1830	1820	1820	1820	
	(B) (1) C. I Head or 'Y' or 'T' junction (double) of down pipe. (Without door)																	
	(i) 75 mm. Dia.	Each	706	706	706	706	706	706	706	706	706	706	706	735	706	706	706	
	(ii) 100 mm. Dia.	Each	992	992	992	992	992	992	992	992	992	992	992	1002	992	992	992	
	(iii) 150 mm. Dia.	Each	1989	1989	1989	1989	1989	1989	1989	1989	1989	1989	1989	2014	1989	1989	1989	
	(B) (2) C. I Head or 'Y' or 'T' junction (double) of down pipe. (With door)																	
	(i) 75 mm. Dia.	Each	750	750	750	750	750	750	750	750	750	750	750	758	750	750	750	
	(ii) 100 mm. Dia.	Each	1031	1031	1031	1031	1031	1031	1031	1031	1031	1031	1031	1043	1031	1031	1031	
	(iii) 150 mm. Dia.	Each	2145	2145	2145	2145	2145	2145	2145	2145	2145	2145	2145	2170	2145	2145	2145	

**SECTION I. -----BUILDING WORKS**

**(M) DRAIN, DOWN PIPES, CHIMNEY ETC.**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurdwar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
	<b>(C) C. I Offset of down pipe</b>																	
	(i) 75 mm. Dia projection 75 mm.	Each	411	411	411	411	411	411	411	411	411	411	411	421	411	411	411	
	(ii) 75 mm. Dia projection 150 mm.	Each	493	493	493	493	493	493	493	493	493	493	493	503	493	493	493	
	(iii) 100 mm. Dia projection 75 mm.	Each	604	604	604	604	604	604	604	604	604	604	604	548	604	604	604	
	(iv) 100 mm. Dia projection 150 mm.	Each	594	594	594	594	594	594	594	594	594	594	594	604	594	594	594	
	(v) 150 mm. Dia projection 75 mm.	Each	769	769	769	769	769	769	769	769	769	769	769	779	769	769	769	
	(vi) 150 mm. Dia projection 150 mm.	Each	978	978	978	978	978	978	978	978	978	978	978	989	978	978	978	
	<b>(D) (1) C. I Bend of down pipe (Without door)</b>																	
	(i) 75 mm. Dia.	Each	382	382	382	382	382	382	382	382	382	382	382	391	382	382	382	
	(ii) 100 mm. Dia.	Each	468	468	468	468	468	468	468	384	384	384	384	477	384	384	384	
	(iii) 150 mm. Dia.	Each	812	812	812	812	812	812	812	812	812	812	812	823	812	812	812	
	<b>(D) (2) C. I Bend of down pipe. (With door)</b>																	
	(i) 75 mm. Dia.	Each	446	446	446	446	446	446	446	446	446	446	446	456	446	446	446	
	(ii) 100 mm. Dia.	Each	538	538	538	538	538	538	538	538	538	538	538	548	538	538	538	
	(iii) 150 mm. Dia.	Each	902	902	902	902	902	902	902	902	902	902	902	912	902	902	902	
	<b>(E) C. I shoe of down pipe.</b>																	
	(i) 75 mm. Dia.	Each	366	366	366	366	366	366	366	366	366	366	366	376	366	366	366	
	(ii) 100 mm. Dia.	Each	403	403	403	403	403	403	403	403	403	403	403	413	403	403	403	
	(iii) 150 mm. Dia.	Each	518	518	518	518	518	518	518	518	518	518	518	528	518	518	518	
10	Supplying, fitting, fixing C.I Grating (Heavy type).																	
	(a) Up to 100 mm Square or 100 mm Dia.	Each	69	69	69	69	69	69	69	69	69	69	69	74	69	69	69	
	(b) Above 100 mm and upto 150 mm Square or round.	Each	108	108	108	108	108	108	108	108	108	108	108	113	108	108	108	
11	Supplying, fitting, fixing approved quality asbestos cement quality down pipe in positin with necessary clamps, nails including making holes in wall, floor etc. and cutting trenches in any soil or through masonry, concrete structures etc. if necessary and mending good damages including jointing materials complete.																	
	(i) 76.2 mm Dia.	Metre	105	105	105	105	105	105	105	105	105	105	105	110	105	105	105	
	(ii) 101.6 mm Dia.	Metre	121	121	121	121	121	121	121	121	121	121	121	127	121	121	121	
	(iii) 152.4 mm Dia.	Metre	182	182	182	182	182	182	182	182	182	182	182	187	182	182	182	

**SECTION I. -----BUILDING WORKS**

**(M) DRAIN, DOWN PIPES, CHIMNEY ETC.**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
12	Supplying, fitting, fixing approved quality asbestos cement specials of down pipe in position with clamps, nails etc. with jointing materials including cutting holes in masonry or concrete, mending good damages complete.																	
	<b>(a) Asbestos cement plain bend shoe of down pipe.</b>																	
	(i) 76.2 mm Dia.	Each	114	114	114	114	114	114	114	114	114	114	114	119	114	114	114	
	(ii) 101.6 mm Dia.	Each	125	125	125	125	125	125	125	125	125	125	125	130	125	125	125	
	(iii) 152.4 mm Dia.	Each	173	173	173	173	173	173	173	173	173	173	173	178	173	173	173	
	<b>(b) Asbestos cement slotted vent/ cowl of down pipe.</b>																	
	(i) 76.2 mm Dia.	Each	74	74	74	74	74	74	74	74	74	74	74	79	74	74	74	
	(ii) 101.6 mm Dia.	Each	96	96	96	96	96	96	96	96	96	96	96	101	96	96	96	
	(iii) 152.4 mm Dia.	Each	126	126	126	126	126	126	126	126	126	126	126	131	126	126	126	
	<b>(c) Asbestos cement cone cap / cowl of down pipe.</b>																	
	(i) 76.2 mm Dia.	Each	79	79	79	79	79	79	79	79	79	79	79	84	79	79	79	
	(ii) 101.6 mm Dia.	Each	111	111	111	111	111	111	111	111	111	111	111	116	111	111	111	
	(iii) 152.4 mm Dia.	Each	140	140	140	140	140	140	140	140	140	140	140	144	140	140	140	
13	Taking out rain water down pipes, removing chokages and refixing the same in position including mending good damages (of taking out and refixing)	Metre	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	
14	Taking out rain water down pipe.	%Metre	895	895	895	895	895	895	895	895	895	895	895	895	895	895	895	
15	Removing chokage of rain water pipes with split bamboo.	%Metre	751	751	751	751	751	751	751	751	751	751	751	751	751	751	751	
16	Renewing cemented joint of down pipe.	Each joint	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	
17	Taking out and refixing C. I. Grating of down pipe after cleaning the mouth including mending good damages in cement mortar (1:3).	Each joint	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	

**SECTION 1. -----BUILDING WORKS**

**(M) DRAIN, DOWN PIPES, CHIMNEY ETC.**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
18	G.I. Rain water spout 75 mm. Dia. And 600 to 750 mm. Long supplied fitted and fixed complete with two coats of paint to both exposed portion.	Each	124	142	142	142	142	142	142	142	142	142	142	146	142	142	142	
19	Galvanised Iron pipe outlet for water with bevelled end at outlet, supplied fitted and fixed complete including painting two coats to the exposed portion.																	
	(a) 25 mm. Dia.	Metre	202	234	234	234	234	234	234	234	234	234	234	241	234	234	234	
	(b) 32 mm. Dia.	Metre	231	267	267	267	267	267	267	267	267	267	267	274	267	267	267	
	(c) 40 mm. Dia.	Metre	289	335	335	335	335	335	335	335	335	335	335	341	335	335	335	
	(d) 50 mm. Dia.	Metre	348	403	403	403	403	403	403	403	403	403	403	410	403	403	403	
20	Steel chimney supplied, fitted and fixed with necessary cowl complete with necessary stiffeners, guy rope etc. as directed complete with two coats of anticorrosive paint (internal surface to be painted with bituminous paint).																	
	(i) Made of 2.54mm steel sheets.																	
	(a) 150 mm. Dia.	Metre	1175	1315	1315	1315	1315	1315	1315	1315	1315	1315	1315	1320	1315	1315	1315	
	(b) 175 mm. Dia.	Metre	1278	1435	1435	1435	1435	1435	1435	1435	1435	1435	1435	1440	1435	1435	1435	
	(c) 200 mm. Dia.	Metre	1438	1614	1614	1614	1614	1614	1614	1614	1614	1614	1614	1620	1614	1614	1614	
	(ii) Made of 3.17mm steel sheets.																	
	(a) 200 mm. Dia.	Metre	1681	1901	1901	1901	1901	1901	1901	1901	1901	1901	1901	1909	1901	1901	1901	
	(b) 225 mm. Dia.	Metre	1835	2079	2079	2079	2079	2079	2079	2079	2079	2079	2079	2088	2079	2079	2079	
	(c) 250 mm. Dia.	Metre	2039	2308	2308	2308	2308	2308	2308	2308	2308	2308	2308	2318	2308	2308	2308	
	(d) 275 mm. Dia.	Metre	2173	2465	2465	2465	2465	2465	2465	2465	2465	2465	2465	2476	2465	2465	2465	
	(e) 300 mm. Dia.	Metre	2320	2638	2638	2638	2638	2638	2638	2638	2638	2638	2638	2650	2638	2638	2638	
21	Supplying, fitting & fixing UPVC pipes A- Type and fittings conforming to IS:13592-1992 with all necessary clamps nails, including making holes in walls, floor etc. cutting trenches in any soil through masonry concrete structures etc if necessary and mending good damages including joining with jointing materails (Spun Yarn, Valamoid/Bitumen/M-Seal etc) complete.																	



**SECTION 1. -----BUILDING WORKS**

*(M) DRAIN, DOWN PIPES, CHIMNEY ETC.*

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
	<b>A) UPVC Pipes:</b>																	
(i)	75 mm. Dia.	Metre	188	188	188	188	188	188	188	188	188	188	188	198	188	188	188	
(ii)	110 mm. Dia.	Metre	251	251	251	251	251	251	251	251	251	251	251	261	251	251	251	
(iii)	160 mm. Dia.	Metre	485	485	485	485	485	485	485	485	485	485	485	497	485	485	485	
	<b>B) UPVC Fittings:</b>																	
	<b>a) Plain Tee</b>																	
(i)	75 mm. Dia.	Nos	102	102	102	102	102	102	102	102	102	102	102	105	102	102	102	
(ii)	110 mm. Dia.	Nos	172	172	172	172	172	172	172	172	172	172	172	177	172	172	172	
(iii)	160 mm. Dia.	Nos	507	507	507	507	507	507	507	507	507	507	507	516	507	507	507	
	<b>b) Plain Y</b>																	
(i)	75 mm. Dia.	Nos	125	125	125	125	125	125	125	125	125	143	143	132	143	143	143	
(ii)	110 mm. Dia.	Nos	223	223	223	223	223	223	223	223	223	258	258	232	258	258	258	
(iii)	160 mm. Dia.	Nos	579	579	579	579	579	579	579	579	579	679	679	591	679	679	679	
	<b>c) Bend 87.5 degree</b>																	
(i)	75 mm. Dia.	Nos	84	84	95	95	95	95	95	95	95	95	95	89	95	95	95	
(ii)	110 mm. Dia.	Nos	140	140	160	160	160	160	160	160	160	160	160	147	160	160	160	
(iii)	160 mm. Dia.	Nos	346	346	404	404	404	404	404	404	404	404	404	356	404	404	404	
	<b>d) Shoe</b>																	
(i)	75 mm. Dia.	Nos	78	78	78	78	78	78	78	78	78	78	78	82	78	78	78	
(ii)	110 mm. Dia.	Nos	111	111	111	111	111	111	111	111	111	111	111	122	111	111	111	
(iii)	160 mm. Dia.	Nos	305	305	305	305	305	305	305	305	305	305	305	312	305	305	305	

**SECTION 1. -----BUILDING WORKS**

**(N) THATCH, MUD AND BAMBOO WORKS**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurdwar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
	<b>A. ORIGINAL WORKS</b>																	
1	Fixing of bamboo posts by digging hole in all sorts of soil and subsequent thorough repacking the same with spoils including the cost of one coat of coal-tarring the embedded portion of the bamboo :																	
	(a) Depth 450 mm.	Each	18	18	18	18	18	18	18	18	18	18	18	-	18	18	18	
	(b) Depth 600 mm.	Each	22	22	22	22	22	22	22	22	22	22	22	-	22	22	22	
	(c) Depth 750 mm.	Each	26	26	26	26	26	26	26	26	26	26	26	-	26	26	26	
2	Strong bamboo posts, posts plates, rafters, ties etc. fitted and fixed complete with coir rope or nails as directed. (Embedded portion of posts shall also be paid for against this item cost of digging hole and repacking being paid for seperately) :																	
	(a) 75 mm. dia bamboo	Metre	50	46	46	46	50	46	46	46	46	46	46	-	46	46	46	
	(b) 100 mm. dia bamboo	Metre	66	61	61	61	66	61	61	61	61	61	61	-	61	61	61	
3	Strong bamboo frame work (for thatched roofing) with 75 mm. dia full bamboo rafters spaced at 350 mm. centres and tied with transverse bracings at 380 mm. spacing (each bracing consisting of a pair of quarter bamboo, one at top and the other at the bottom of the rafters) fitted and fixed in position complete.	Sq.M	240	223	223	223	240	223	223	223	223	223	223	-	223	223	223	
4	Single durma mat lining (over bamboo roof frame) fitted and fixed complete.	Sq.M	60	60	60	60	60	60	60	60	60	60	60	-	60	60	60	
5	Rice straw thatching in roof including ridges and hips.																	
	(a) 150 mm. (pressed) thick	Sq.M	257	229	229	229	257	229	229	229	229	229	229	-	229	229	229	
	(b) 225 mm. (pressed) thick	Sq.M	303	260	260	260	303	260	260	260	260	260	260	-	260	260	260	
6	Split bamboo jaffry in thatched roof, fitted and fixed in position:																	
	(a) Coarse jaffry	Sq.M	40	40	40	40	40	40	40	40	40	40	40	-	40	40	40	
	(b) Fine jaffry	Sq.M	47	47	47	47	47	47	47	47	47	47	47	-	47	47	47	
7	Oloo thatching 150 mm. (pressed) thick in roof including ridges and hips and including tying as necessary.	Sq.M	93	93	93	93	93	93	93	93	93	93	93	-	93	93	93	
8	75 mm.(pressed) thick oloo thatching over existing thatching including new ridges and hips and including tying as necessary.	Sq.M	73	73	73	73	73	73	73	73	73	73	73	-	73	73	73	

**SECTION 1. -----BUILDING WORKS**

**(N) THATCH, MUD AND BAMBOO WORKS**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurdwar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
9	Diagonally woven crushed bamboo mat including durma mat lining and both longitudinal and transverse intermediate stiffners (about 300 mm. centre each way) and tied with 18 B.W.G. galvanised wire fitted and fixed in position complete but excluding cost of supporting frame work.																	
	(a) In wall fencing etc.	Sq.M	102	102	102	102	102	102	102	102	102	102	102	-	102	102	102	
	(b) In ceiling	Sq.M	112	112	112	112	112	112	112	112	112	112	112	-	112	112	112	
10	Bamboo walling made of crushed bamboo or split bamboo or bamboo twigs(kanchis) as directed and tied with necessary stiffners of split bamboo (in pairs) made of 100mm dia. Bamboo fitted and fixed complete (but excluding the cost of supporting frame work)	Sq.M	127	108	108	108	127	108	108	108	108	108	108	-	108	108	108	
11	100 mm. thick dab wall made of bamboo walling (with crushed bamboo or split bamboo twigs) mud plastered both sides and finished with lipping of cowdung and earth (1:4) mixture complete but excluding the cost of supporting frame work)	Sq.M	90	90	90	90	90	90	90	90	90	90	90	-	90	90	90	
12	Thick mud walling made with prepared and weathered earth and admixture of straw chopping etc. (land where from earth may be obtained will be made available by the dept. within 100 metre).	Cum	255	255	255	255	255	255	255	255	255	255	255	-	255	255	255	
13	Ceiling made of bamboo mat of crushed bamboo, split bamboo or bamboo twigs (as directed) fitted and fixed in position with mud plaster on underside finished smooth with lipping of cowdung and earth (1:4) mixture complete (but excluding the cost of supporting framework).	Sq.M	110	110	110	110	110	110	110	110	110	110	110	-	110	110	110	
14	Mud plaster (25 to 37.5) mm. thick with prepared mixture of earth and cowdung (10:1) with admixture of straw chopping and finishing smooth with lipping of cowdung and earth (1:4):																	
	(a) In walls or floors	Sq.M	25	25	25	25	25	25	25	25	25	25	25	-	25	25	25	
	(b) In ceilings	Sq.M	25	25	25	25	25	25	25	25	25	25	25	-	25	25	25	
15	Mud lipping with of cowdung and earth mixture (1:4) :																	
	(a) In walls or floors	Sq.M	36	36	36	36	36	36	36	36	36	36	36	-	36	36	36	
	(b) In ceilings	Sq.M	61	61	61	61	61	61	61	61	61	61	61	-	61	61	61	

**SECTION 1. -----BUILDING WORKS**

**(N) THATCH, MUD AND BAMBOO WORKS**

Item No.	Description of Items	Unit	Rate (Rs.)														REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri,Alipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	
16	Durma mat works strengthened with split bamboo placed both ways (225 mm. apart) both sides and tied together fitted and fixed complete (but excluding the cost of supporting framework) :																
	(i) Single durma mat works																
	(a) In walls or floors	Sq.M	65	65	65	65	65	65	65	65	65	65	65	-	65	65	65
	(b) In ceilings	Sq.M	71	71	71	71	71	71	71	71	71	71	71	-	71	71	71
	(ii) Double durma mat works																
	(a) In walls or floors	Sq.M	81	81	81	81	81	81	81	81	81	81	81	-	81	81	81
	(b) In ceilings	Sq.M	104	104	104	104	104	104	104	104	104	104	104	-	104	104	104
	<b><u>B. MAINTENANCE WORKS</u></b>																
1	Renewing with part old and part new materials bamboo frame works (of thatched roof) consisting of 75 mm. dia, full bamboo rafters spaced at 350 mm. centres and tied with tranverse bracing at 380 mm. spacing (each bracing consisting of pair of quarter bamboo,one at top and the other at bottom of the rafters) fitted and fixed in position.																
	(a) With half old and half new materials	Sq.M	171	163	163	163	171	163	163	163	163	163	163	-	163	163	163
	(b) With one fourth old and three-fourth new materials	Sq.M	195	182	182	182	195	182	182	182	182	182	182	-	182	182	182
2	Repairs to bamboo frame work (of thatched roof consisting of 75mm dia. Bamboo) by retying with new rope and with old pieces of quarter bamboo (including cost of new materials as required).	Sq.M	40	39	39	39	40	39	39	39	39	39	39	-	39	39	39
3	Renewing single durma mat lining (over bamboo roof frame) with half old and half new material fitted and fixed complete.	Sq.M	38	38	38	38	38	38	38	38	38	38	38	-	38	38	38
4	Renewing rice straw thatching in roof with half old and half new material including ridges and hip with entirely new materials :																
	(a) 150 mm. (pressed) thick	Sq.M	110	96	96	96	110	96	96	96	96	96	96	-	96	96	96
	(b) 225 mm. (pressed) thick	Sq.M	164	143	143	143	164	143	143	143	143	143	143	-	143	143	143
5	Renewing ridges or hips of thatched roof :																
	(a) Excluding jaffry	Metre	56	56	56	56	56	56	56	56	56	56	56	-	56	56	56
	(b) Including new jaffry	Metre	93	93	93	93	93	93	93	93	93	93	93	-	93	93	93
6	Renewing jaffry of ridges or hips of thatched roof fitted and fixed in position :																
	(Payment to be made on length of ridges or hips)																

**SECTION 1. -----BUILDING WORKS**

**(N) THATCH, MUD AND BAMBOO WORKS**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
	(a) With half old and half new materials	Metre	56	56	56	56	56	56	56	56	56	56	56	-	56	56	56	
	(b) With entirely new materials	Metre	69	69	69	69	69	69	69	69	69	69	69	-	69	69	69	
7	Renewing split bamboo jaffry in thatched roof with half old and half new materials fitted and fixed in position :																	
	(a) Coarse jaffry	Sq.M	29	29	29	29	29	29	29	29	29	29	29	-	29	29	29	
	(b) Fine jaffry	Sq.M	33	33	33	33	33	33	33	33	33	33	33	-	33	33	33	
8	Renewing oloo thatching 150 mm. (pressed) thick in roof with half old and half new materials including ridges and hips with entirely new materials.	Sq.M	83	83	83	83	83	83	83	83	83	83	83	-	83	83	83	
9	Repairing thatching of roof with straw fragments (kuchi) to stop roof leaking and including tying as necessary	Sq.M	37	37	37	37	37	37	37	37	37	37	37	-	37	37	37	
10	Renewing with half old and half new materials diagonally woven crushed bamboo mat including durma mat lining and both longitudinal and tranverse intermediate stiffeners (about 300 mm centre each way) made on each face and tied with entirely new 18 B.W.G.galvanised wire fitted and fixed in position complete(but excluding the cost of supporting frame work) :																	
	(a) In wall fencing etc.	Sq.M	71	71	71	71	71	71	71	71	71	71	71	-	71	71	71	
	(b) In ceiling	Sq.M	80	80	80	80	80	80	80	80	80	80	80	-	80	80	80	
11	Bamboo pile walling made of 65 mm to 75 mm dia. Bamboo (in single line) driven about half length into the ground at very close spacing side by side including necessary bamboo stays, ties, runners etc and lining the exposed portion with sheets made form cut-drums fitted and fixed complete as per direction.																	
	(Payment to be made on length of wall)																	
	(a) With bamboos of length between 1.20 m. and 1.80 m. each.	Mtr.	837	797	797	797	837	797	797	797	797	797	797	841	797	797	797	
	(b) With bamboos of length above 1.80 m. and up to 2.40 m. each	Mtr.	982	931	931	931	982	931	931	931	931	931	931	986	931	931	931	
	(c) With bamboos of length above 2.40 m. and up to 3.00 m. each	Mtr.	1207	1146	1146	1146	1207	1146	1146	1146	1146	1146	1146	1213	1146	1146	1146	

**SECTION 1. -----BUILDING WORKS**

**(N) THATCH, MUD AND BAMBOO WORKS**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
12	Half bamboo runners (made from 75 mm dia stout bamboo) and fitting fixing in positions with country made rose headed nails.	Mtr.	34	32	32	32	34	32	32	32	32	32	32	34	32	32	32	
13	Renewing with half old and half new materials bamboo walling made of crushed bamboo or split bamboo or bamboo twigs (kanchis) as directed and tied with necessary stiffners of split bamboo (in pairs) fitted and fixed complete (but excluding the cost of supporting frame work)	Sq.M	80	71	71	71	80	71	71	71	71	71	71	-	71	71	71	
14	Renewing bamboo piles 75 mm dia including driving upto 1.50 m	Mtr.	46	43	43	43	46	43	43	43	43	43	43	47	43	43	43	
15	Renewing with half old half new materials durma mat works strengthened with split bamboo placed both ways (225 mm. apart) on both sides and tied together fitted and fixed complete (but excluding the cost of supporting frameworks) :																	
	(i) Single durma mat works																	
	(a) In walls or floors	Sq.M	43	43	43	43	43	43	43	43	43	43	43	-	43	43	43	
	(b) In ceilings	Sq.M	53	53	53	53	53	53	53	53	53	53	53	-	53	53	53	
	(ii) Double durma mat works																	
	(a) In walls or floors	Sq.M	67	67	67	67	67	67	67	67	67	67	67	-	67	67	67	
	(b) In ceilings	Sq.M	68	68	68	68	68	68	68	68	68	68	68	-	68	68	68	
16	Double durma mat door or window strengthened with necessary split bamboo with strong outer frame and diagonals of bamboos and half bamboo complete, including tying and handling the same.	Sq.M	131	131	131	131	131	131	131	131	131	131	131	-	131	131	131	
17	Restoring scoured surface of mud walls by dabbing with prepared and weathered earth (with mixture of straw choppings etc.) (Payment to be made on area restored.)																	
	(a) Thickness restored 50 to 75 mm.	Sq.M	12	12	12	12	12	12	12	12	12	12	12	-	12	12	12	
	(b) Thickness restored exceeding 75 mm. but not exceeding 100 mm.	Sq.M	18	18	18	18	18	18	18	18	18	18	18	-	18	18	18	
	(c) Thickness restored exceeding 100 mm. but not exceeding 125 mm.	Sq.M	22	22	22	22	22	22	22	22	22	22	22	-	22	22	22	
	(d) Thickness restored exceeding 125 mm. but not exceeding 150 mm.	Sq.M	23	23	23	23	23	23	23	23	23	23	23	-	23	23	23	

**SECTION 1. -----BUILDING WORKS**

**(O) FENCING**

Item No.	Description of Items	Unit	Rate (Rs.)														REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargam	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri,Alipurdwar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	
	<b><u>A. ORIGINAL WORKS</u></b>																
1	Fixing post of iron or precast concrete by digging hole in the ground (in all sorts of soil) and embedding the same by packing the hole with cement concrete (1:3:6) (with <b>jhama khoa</b> . For <b>Purulia, Bankura and Darjeeling Hill by Pakur Variety, Local Black Hard Stone &amp; Bazree</b> respectively) and finishing the top surface to regular shape (as directed) with 15 cm cement plaster (1:6) complete, including the cost of concrete, plaster etc.but excluding the cost of the post :																
	(i) <b>Average dia. of the hole 200 mm. to 300 mm.</b>																
	(a) Depth 450 mm. to 500 mm. [Cement 8 kg/No.]	Each	167	152	187	148	169	161	158	137	158	157	157	174	156	155	157
	(b) Depth exceeding 500 mm. but not exceeding 600 mm. (Cement -9.65 kg/No.)	Each	202	184	226	179	205	195	192	166	191	190	191	210	189	187	191
	(c) Depth exceeding 600 mm. but not exceeding 675 mm. (Cement-10.9 Kg/No.)	Each	230	210	256	204	233	221	218	189	217	216	217	239	215	213	217
	(d) Depth exceeding 675 mm. but not exceeding 750 mm. (Cement-12.1 KG/No.)	Each	253	230	282	224	256	243	239	207	239	237	238	263	237	234	238
	(ii) <b>Average dia. of the hole 300 mm. to 400 mm.</b>																
	(a) Depth 450 mm. to 500 mm. (Cement- 14..35 Kg/No.)	Each	300	273	335	266	304	289	284	245	283	281	282	312	281	277	282
	(b) Depth exceeding 500 mm. but not exceeding 600 mm. [Cement-17.2 Kg/No.]	Each	358	326	400	317	363	345	339	293	338	336	337	373	335	331	337
	(c) Depth exceeding 600 mm. but not exceeding 675 mm. [Cement-19.35 Kg/No.]	Each	405	369	452	359	410	390	383	331	382	380	381	421	379	374	381
	(d) Depth exceeding 675 mm. but not exceeding 750 mm. [Cement-21.5 Kg/No.]	Each	448	407	500	396	453	431	423	366	422	420	421	466	419	414	421
2	(a) Supplying, fitting galvanised 3 ply 12 gauge / 4 points line of barbed wire in fencing (holes already made in the body of the post) or fixed by staples tightening and fixing the wires in taut condition with straining bolts including the cost of cutting and of lapping joints in the wire as necessary but excluding the cost of galvanised staples,straining bolt and binding wire where necessary.	%Mtr.	2768	2768	2768	2768	2768	2768	2768	2768	2768	2768	2768	2891	2768	2768	2768

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**(O) FENCING**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri,Alipurdwar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
	(Payment to be made on the length of individual lines of wire.)																	
	(b) Supplying, fitting galvanised 2 ply 12 gauge / 2 points line of barbed wire in fencing (holes already made in the body of the post) or fixed by staples tightening and fixing the wires in taut condition with straining bolts including the cost of cutting and of lapping joints in the wire as necessary but excluding the cost of galvanised staples, straining bolt and binding wire as necessary 2 ply 12 gauge/ 2 points.	%Mtr.	2483	2483	2483	2483	2483	2483	2483	2483	2483	2483	2483	2593	2483	2483	2483	
	(Payment to be made on the length of individual lines of wire.)																	
3	Labour for fitting wove wire or similar fencing net tightening and fixing the same to post with staples at every bar (including the cost of cutting and lapping joints in the net, the cost of staples, binding wire etc. and of labour for fixing such staples as necessary).																	
	(Payment to be made on the length of net in finished work.)																	
	(a) Net upto 1350 mm. height	%Mtr.	987	987	987	987	987	987	987	987	987	987	987	987	987	987	987	
	(b) Net above 1350 mm. height	%Mtr.	1242	1242	1242	1242	1242	1242	1242	1242	1242	1242	1242	1242	1242	1242	1242	
4	Supplying galvanised straining bolts (with eye at one end with double nuts and washers) fitted and fixed complete.																	
	(i) 10 mm. dia.																	
	(a) 150 mm.	Each	43	43	43	43	43	43	43	43	43	43	43	45	43	43	43	
	(b) 200 mm.	Each	50	50	50	50	50	50	50	50	50	50	50	52	50	50	50	
	(ii) 12 mm. dia.																	
	(a) 200 mm.	Each	68	68	68	68	68	68	68	68	68	68	68	71	68	68	68	
	(b) 250 mm.	Each	74	74	74	74	74	74	74	74	74	74	74	77	74	74	74	
	(c) 300 mm.	Each	80	80	80	80	80	80	80	80	80	80	80	84	80	80	80	
	(iii) 16 mm. dia.																	
	(a) 250 mm.	Each	99	99	99	99	99	99	99	99	99	99	99	103	99	99	99	
	(b) 300 mm.	Each	105	105	105	105	105	105	105	105	105	105	105	110	105	105	105	



**SECTION 1. -----BUILDING WORKS**

**(O) FENCING**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri,Alipurdwar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
5	Supplying galvanised staples fitted and fixed complete.																	
	(a) 19 mm. to 25 mm. size	% Nos	222	222	222	222	222	222	222	222	222	222	222	228	222	222	222	
	(b) 32.5 mm. to 37.5 mm. size	% Nos	281	281	281	281	281	281	281	281	281	281	281	292	281	281	281	
	(c) 44 mm. to 50 mm. size	% Nos	351	351	351	351	351	351	351	351	351	351	351	363	351	351	351	
6	Supplying 7 ply galvanised strand wire 19 gauge fitted and fixed complete with necessary eyes, hooks and straining bolts (excluding the cost of straining bolts.)	Mtr.	34	34	34	34	34	34	34	34	34	34	34	36	34	34	34	
7	Supplying 6 ply galvanised strand wire 19 gauge fitted and fixed complete with necessary eyes, hook and straining bolts (excluding the cost of straining bolts.)	Mtr.	29	29	29	29	29	29	29	29	29	29	29	30	29	29	29	
8	Double knotted wove wire 1.2 m. height (11 bars), vertical 300 mm. apart, horizontal spacing starting from 88 mm. ending 200 mm. top and bottom wire 10g and all other intermediate and upright wire 9g. with finished border 2 ply twisted fencing including tightening and fixing the same to posts with staples at every bar including cost of cutting and of lapping joints in the net as necessary including cost of staples and wove wire.	Mtr.	347	347	347	347	347	347	347	347	347	347	347	363	347	347	347	
	(Payment to be made on the length of the finished netting work)																	
9	Double knotted wove wire 2.1 m height (17 bars) vertical 300 mm apart horizontal spacing starting from 88 mm ending 200 mm top and bottom wire 10g and all other intermediate and upright wire 9g with finished border 2 ply twisted fencing complete including tightening and fixing the same to posts with staples at every bar including cost of cutting and of lapping joints in net as necessary including cost of staples and wove wire.	Mtr.	600	600	600	600	600	600	600	600	600	600	600	629	600	600	600	
	(Payment to be made on the length of the finished netting work)																	
10	Supplying, fitting, fixing G.I chain link fencing 75 mm x 75 mm mesh 12 g wire to the R.C.C or wooden posts with galvanised hooks or staples etc. complete as per direction.	Sq. M	169	169	169	169	169	169	169	169	169	169	169	175	169	169	169	

**SECTION I. -----BUILDING WORKS**

**(O) FENCING**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri,Alipurdwar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
11	Supplying, fitting, fixing, Chain link fencing of approved quality with R.C.C posts wooden posts or iron posts by means of galvanised "C" clips to grid of horizontal strands of galvanised high tensile spring steel wire of 12 S.W.G which have to be tensioned and fixed to the vertical posts by means of galvanised special clips, bolts and nuts etc.																	
	(The rate is exclusive of the cost of posts)																	
	(I) 50 mm. x 50 mm. x 8 g.	Sq. M	414	414	414	414	414	414	414	414	414	414	414	429	414	414	414	
	(II) 65 mm. x 65 mm. x 8 g.	Sq. M	377	377	377	377	377	377	377	377	377	377	377	388	377	377	377	
	(III) 75 mm. x 75 mm. x 8 g.	Sq. M	335	335	335	335	335	335	335	335	335	335	335	351	335	335	335	
	(IV) 75 mm. x 75 mm. x 6 g.	Sq. M	424	424	424	424	424	424	424	424	424	424	424	445	424	424	424	
	(V) 100 mm. x 100 mm. x 6 g.	Sq. M	393	393	393	393	393	393	393	393	393	393	393	414	393	393	393	
	(VI) 25 mm. x 25 mm. x 12 g.	Sq. M	367	367	367	367	367	367	367	367	367	367	367	382	367	367	367	
(VII) 12.5 mm. x 12.5m. x 12 g.	Sq. M	549	549	549	549	549	549	549	549	549	549	549	565	549	549	549		
12	Supplying, fitting, fixing in position netting with PVC Coated Crinkle mesh of approved colour with wooden or steel or concrete frame work including cost of galvanised bolts, nuts, screws, nails, spacers, shape welding etc complete but excluding the cost of supporting frame works, battens etc.																	
	(a) 25 mm. x 25 mm. x 8 g.	Sq. M	706	706	706	706	706	706	706	706	706	706	706	717	706	706	706	
	(b) 25 mm. x 50 mm. x 8 g.	Sq. M	549	549	549	549	549	549	549	549	549	549	549	560	549	549	549	
	(c) 50 mm. x 50 mm. x 8 g.	Sq. M	455	455	455	455	455	455	455	455	455	455	455	466	455	455	455	
	(d) 75 mm. x 75 mm. x 8 g.	Sq. M	397	397	397	397	397	397	397	397	397	397	397	408	397	397	397	
	(e) 75 mm. x 25 mm. x 8 g.	Sq. M	523	523	523	523	523	523	523	523	523	523	523	534	523	523	523	
13	Supplying fitting and fixing 600 mm (±30 mm) diameter R.B.T (Reinforced Barbed Tape) Concertina fencing on wall top using concertina coils stretched to approx.6 meters length at site clipped with two nos. of horizontal R.B.T strands which will be tensioned and fixed with the vertical M.S angle iron posts by means of security fasteners (such as 'C' clips, R.B.T clips etc.)	Mtr.	408	408	408	408	408	408	408	408	408	408	408	419	408	408	408	
	(The rate is exclusive of the cost of posts)																	

**SECTION 1. -----BUILDING WORKS**

**(O) FENCING**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri,Alipurdwar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
14	Labour for fitting line of wire to posts, tightening by straining bolts and fixing the wire ( in taut condition) to the post with staples (including the cost of cutting and lapping joints in the wire, as necessary and including the cost of staples and straining bolts and also the labour for fixing the staples but excluding the cost of straining bolts)																	
	(Payment to be made on length of the individual line of wire)																	
	(a) Galvanised wire 9 to 12 BWG	%Mtr.	200	200	200	200	200	200	200	200	200	200	200	200	200	200		
	(b) Strand wire (3 to 7 ply) upto 6 mm dia	%Mtr.	253	253	253	253	253	253	253	253	253	253	253	253	253	253		
	(c) Strand wire (3 to 7 ply) above 6 mm dia	%Mtr.	303	303	303	303	303	303	303	303	303	303	303	303	303	303		
	(d) Barbed wire	%Mtr.	308	308	308	308	308	308	308	308	308	308	308	308	308	308		
15	Supplying at site or stackyard or as directed PCC (1 : 2 :4) Fencing Post 215 cm 150 mm X 150 mm section at bottom, 100 mm X 100 mm section at top with T-Base 300 mm X 150 mm X 100 mm, having 4 nos 6 mm dia vertical M.S. reinforcement and 6 mm dia binders @ 200 mm centres, finished smooth etc., complete.	Each	451	440	431	412	434	441	448	432	437	438	419	478	451	466	441	
	B. MAINTENANCE WORKS																	
1	Petty repairs to top of concrete embedment of fencing post including replastering with 15 mm thick cement mortar (1:6) and finishing to shape. [Cement-0.5 Kg/No.]	Each	22	21	21	21	21	21	21	21	21	21	21	23	21	21	22	
2	Straightening deformed iron post of fencing carefully without damaging or loosening the base.	Each	45	45	45	45	45	45	45	45	45	45	45	45	45	45		
3	Straightening deformed iron railing of fencing carefully by dismantling and repairing and refixing the same.	Each	46	46	46	46	46	46	46	46	46	46	46	46	46	46		
4	Labour for fitting line of wire through holes in fencing post (already made in the body of the posts or formed by staples already fixed thereto) and tightening and fixing the wire in taut condition with straining bolts (including the cost of making holes, cost of staples and cost of cutting and lapping joints in wire as necessary but excluding the cost of straining bolts ) :																	
	(Payment to be made on the length of the individual lines of wire.)																	

**SECTION 1. -----BUILDING WORKS**

**(O) FENCING**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri,Alipurdwar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
	(a) Galvanised wire of 9 to 12 B.W.G.	%Mtr.	333	333	333	333	333	333	333	333	333	333	333	333	333	333	333	
	(b) Strand wire (3 to 7 ply) upto 6 mm. dia.	%Mtr.	496	496	496	496	496	496	496	496	496	496	496	496	496	496	496	
	(c) Standard wire (3 to 7 ply) above 6 mm. dia	%Mtr.	583	583	583	583	583	583	583	583	583	583	583	583	583	583	583	
	(d) Barbed wire	%Mtr.	656	656	656	656	656	656	656	656	656	656	656	656	656	656	656	
5	Labour for repairs to snapped line of wire by jointing snapped ends with links of new wire as necessary, stretching and refixing the line in taut condition (excluding the cost of new materials)																	
	(Payment to be made on the length of the portion of wire which had become loose due to snapping.)																	
	(a) Galvanised wire of 9 to 12 B.W.G.	%Mtr.	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	
	(b) Strand wire (3 to 7 ply) upto 6 mm. dia.	%Mtr.	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	
	(c) Standard wire (3 to 7 ply) above 6 mm. dia	%Mtr.	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	
	(d) Barbed wire	%Mtr.	145	145	145	145	145	145	145	145	145	145	145	145	145	145	145	
6	Labour for replacement of damaged or broken portion of wove wire or similar net in fencing including cutting and removing the net of the affected bay and restoring the gap with new net and fitting fixing the same in taut condition and also tightening and securing the adjacent affected bays (including the cost of new staples and of labour for fixing such new staples)																	
	(Payment to be made on the length of the replaced bay.)																	
	(a) Net upto 1350 mm. height	%Mtr.	1410	1410	1410	1410	1410	1410	1410	1410	1410	1410	1410	1410	1410	1410	1410	
	(b) Net above 1350 mm. height	%Mtr.	1752	1752	1752	1752	1752	1752	1752	1752	1752	1752	1752	1752	1752	1752	1752	
7	Labour for taking out (from fencing) line of wire (galvanised, strand or barbed) by drawing the same out through holes in the body of the post or through holes formed by fixed staples.	%Mtr.	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	
	(Payment to be made on the length of the wire taken out.)																	
8	Labour for taking out (from fencing) line of wire (galvanised, strand or barbed) including the cost of taking out staples (by cutting or otherwise, as necessary).	%Mtr.	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	
	(Payment to be made on the length of the wire taken out.)																	

**SECTION 1. -----BUILDING WORKS**

**(O) FENCING**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri,Alipurdwar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
9	Labour for taking out wove wire or similar net (from fencing) including the cost of taking out staples (by cutting or otherwise,as necessary).																	
	(a) Net upto 1350 mm. height	%Mtr.	463	463	463	463	463	463	463	463	463	463	463	463	463	463	463	
	(b) Net above 1350 mm. height	%Mtr.	536	536	536	536	536	536	536	536	536	536	536	536	536	536	536	
10	Taking out bulged out wire netting fitted and fixed in window frames with nails and refixing the same after straightening with new galvanised staples and lapping with new (50 x 13) mm. Badam/ Gamari batten fitted and fixed with iron screws including hire and labour of scaffolding complete.	Sq. M	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	

**SECTION 1. -----BUILDING WORKS**  
**(P) SOLING, EDGING AND METALLING**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Japargur, Axupara, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
1	Brick soling with picked jhama bricks including preparation of bed as necessary with brick joints properly filled in and packed with powdered earth and including necessary cushion of similar material below the soling (and in between layers when more than one layer is used) completes as per direction.																	
	(a) Single brick flat soling (thickness 75 mm.)	Sq.M	339	312	255	255	312	336	336	285	312	312	312	407	312	312	312	
	(b) Double brick flat soling (thickness 150 mm.)	Sq.M	658	604	489	489	604	651	651	550	604	604	604	795	604	604	604	
	(c) Soling or dry pavement with one brick-on-edge on a layer of brick flat (thickness 125 mm. plus 75 mm.)	Sq.M	879	806	652	652	806	869	869	734	806	806	806	1062	806	806	806	
	(d) Soling or dry pavement with one brick-on-edge laid in herring bone pattern over a layer of brick flat (thickness 125 mm plus 75 mm)	Sq.M	892	819	665	665	819	882	882	747	819	819	819	1075	819	819	819	
	(e) Soling or dry pavement with one brick-on-edge (thickness 125 mm.)	Sq.M	564	518	422	422	518	558	558	473	518	518	518	679	518	518	518	
	(f) Soling or dry pavement with one brick-on-edge laid in herring bone pattern (thickness 125 mm.)	Sq.M	570	524	427	427	524	564	564	479	524	524	524	685	524	524	524	
	(g) Extra rate for using local sand inlieu of powered earth in Single layer soling.	Sq.M	10	4	4	4	7	6	4	4	7	6	6	15	5	5	5	
	(h) Extra rate for using local sand inlieu of powered earth in Double layer soling.	Sq.M	20	9	8	8	14	13	8	8	14	13	13	29	11	11	10	
2	Labour for laying soiling with departmental bricks including carriage of departmental bricks within a lead of 150 metres preparation of bed as necessary with brick joints properly filled in and packed with brick joints properly filled in and packed with local sand or powdered earth and including necessary cushion of similar materials below the soling (and in between layers when more than one layer is used)																	
	(The item included the cost of obtaining local sand or powdered earth)																	
	(a) Single brick flat soling (thickness 75 mm)	%Sq.M	3584	3584	3584	3584	3584	3584	3584	3584	3584	3584	3584	3584	3584	3584	3584	
	(b) Double brick flat soling (thickness 75 mm. plus 75 mm)	%Sq.M	5376	5376	5376	5376	5376	5376	5376	5376	5376	5376	5376	5376	5376	5376	5376	

**SECTION 1. -----BUILDING WORKS**  
**(P) SOLING, EDGING AND METALLING**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Japargur, Axipara, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
	(c) Soling with one brick-on-edge on a layer of brick flat (thickness 75 mm plus 125 mm)	%Sq.M	6302	6302	6302	6302	6302	6302	6302	6302	6302	6302	6302	6302	6302	6302	6302	
	(d) Soling or dry pavement with one brick-on-edge laid in herring bone pattern on a layer of brick flat (thickness 75 mm. plus 125 mm)	%Sq.M	7331	7331	7331	7331	7331	7331	7331	7331	7331	7331	7331	7331	7331	7331	7331	
	(e) Soling or dry pavement with one brick thickness (125 mm.) (laid in herring bone pattern)	%Sq.M	5376	5376	5376	5376	5376	5376	5376	5376	5376	5376	5376	5376	5376	5376	5376	
	(f) Soling (125 mm thick) or dry pavement with one brick-on-edge.	%Sq.M	6073	6073	6073	6073	6073	6073	6073	6073	6073	6073	6073	6073	6073	6073	6073	
3	Brick edging 75 mm wide with picked jhama bricks, laid true to line and level including cutting necessary trench in soil or in hard metalled surface, laying the bricks and repacking the trench (on both side of the edging) with spoils and ramming the same thoroughly complete as per direction.																	
	(a) Brick-on-edge edging (125 mm) depth.	%Metre	4616	4271	3535	3535	4639	4570	4570	3926	4271	4271	4271	5490	4271	4271	4271	
	(b) Brick-on-end edging (250 mm) depth.	%Metre	8913	8223	6751	6751	8959	8821	8821	7532	8223	8223	8223	10661	8223	8223	8223	
4	Labour for laying brick edging (75 mm wide) with departmental brick laid true to line and level including carriage of departmental bricks within a lead of 150 metres cutting necessary trench in soil or in hard metalled surface laying the bricks and repacking the trench (on both sides of the edging) with spoils and ramming the same thoroughly.																	
	(a) Brick-on-edge edging (125 mm) depth.	%Metre	752	752	752	752	752	752	752	752	752	752	752	752	752	752	752	
	(b) Brick-on-end edging (250 mm) depth.	%Metre	1185	1185	1185	1185	1185	1185	1185	1185	1185	1185	1185	1185	1185	1185	1185	
5	Ornamental brick edging (75 mm wide) in compound roads, gardens etc. with 1st class or picked jhama bricks laid diagonally on end and with a corner slightly raised from the adjoining surface thus giving saw tooth appearance including cutting trench laying bricks and repacking the trench thoroughly on both sides of the edging complete as per direction.	%Metre	7288	6770	5666	5666	7322	7219	7219	6252	6770	6770	6770	8599	6770	6770	6770	

**SECTION 1. -----BUILDING WORKS**  
**(P) SOLING, EDGING AND METALLING**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Japargur, Axipara, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
6	Labour for laying stone edging with departmental stone materials laid to correct line and level including carriage of departmental stone materials within a lead of 150 metres cutting necessary trench in soil or in hard metalled surface, laying the stones and repacking the trench on both sides of the edging with spoils and ramming the same thoroughly.																	
	(a) 100 mm wide and 125 mm deep edging with stone sets laid-on-edge.	%Metre	1387	1387	1387	1387	1387	1387	1387	1387	1387	1387	1387	1387	1387	1387	1387	
	(b) 100 mm wide and 250 mm deep edging with stone sets laid-on-edge.	%Metre	1966	1966	1966	1966	1966	1966	1966	1966	1966	1966	1966	1966	1966	1966	1966	
7	Providing and fixing at or near ground level precast cement concrete in kerbs (size: 410 mm x 310 mm x width 150 mm at bottom with circular nosing at top) (Nano kerb) of cement concreat M25 Grade without reinforcement, fixing as per approved pattern and setting in position at site after preparing the bed grade and slopes by laying Cement concrete with jhama khoa (1:4:8) as per specification and direction of Engineer-in-Charge including filling of joints with 10 mm thick cement mortar (3:1) and back filling the vertical piece properly with earth duly compacted and curing the mortar joints for atleast 3 days including cost and carriage of all materials complete.	Mtr.	955	944	944	942	952	948	947	944	946	946	946	956	946	945	946	
8	Providing and fixing at or near ground level precast cement concrete in kerbs (size: 450 mm x 350 mm x width 150 mm at bottom with bevelled nosing at top) of cement concreat M20 Grade without reinforcement, fixing as per approved pattern and setting in position at site after preparing the bed grade and slopes by laying Cement concrete with jhama khoa (1:4:8) as per specification and direction of Engineer-in-Charge including filling of joints with 10 mm thick cement mortar (3:1) and back filling the vertical piece properly with earth duly compacted and curing the mortar joints for atleast 3 days including cost and carriage of all materials complete.	Mtr.	636	625	625	623	633	629	628	625	627	627	627	636	626	626	627	



**SECTION 1. -----BUILDING WORKS**  
**(P) SOLING, EDGING AND METALLING**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Japargur, Axipuraaur, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
9	Supplying cinder including throwing spreading rough leavlling and dressing. (Measurement will be taken on the basis of profile, before and after the work with deduction of 1/9 th of the volume for sinkage and / shrinkage).	Cum	299	282	282	282	282	282	282	282	282	282	282	286	282	282	282	
10	Supplying Surki, shifting and spreading the same as directed. (Payment to be made on prior measurement with the allowance for sinkage or shrinkage)	Cu.M.	1840	1566	1360	1360	1840	1703	1987	1616	1616	1554	1498	2115	1616	1554	1554	
11	Labour for laying 150 mm to 200 mm boulder soling including rough dressing hand packing and ramming down small pieces in the interstics including rolling and preparing the bed to proper level and filling up all joints with sandy clay or earth. NB. -- This rate only for Northern Circle, NBCC-I & NBCC-II	Sq.m.												64	64	64	64	
12	-- Do -- -- Do - without rolling but including ramming. NB. -- This rate only for Northern Circle, NBCC-I & NBCC-II	Sq.m.												50	50	50	50	
13	Labour for taking out old brick-on-edge edging including removing debris to flank or berm sorting out serviceable materials and stacking.	%Sq.M	635	635	635	635	635	635	635	635	635	635	635	635	635	635	635	
14	Taking out carefully existing (75 mm. wide) brick edging and relaying the edging in the same trench after rectifying line and level as required and repacking the trench throughly on both sides of the edging. NB. -- This rate only for Northern Circle, NBCC-I & NBCC-II (i) Relaying with all old bricks or with partly old and partly new departmental bricks (including carriage of such bricks within a lead of 150m.) a) Edging with Brick on edge (125 mm. depth) b) Edging with Brick on edge (250 mm. depth)																	
		Mtr.												7	7	7	7	
		Mtr.												11	11	11	11	

**SECTION 1. -----BUILDING WORKS**  
**(P) SOLING, EDGING AND METALLING**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Japargur, Axapauraur, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
15	Labour for taking out old soling edging including removing debris																	
	(a) Single flat soling	%Sq.M	981	981	981	981	981	981	981	981	981	981	981	981	981	981	981	
	(b) Double flat soling	%Sq.M	1443	1443	1443	1443	1443	1443	1443	1443	1443	1443	1443	1443	1443	1443	1443	
16	Labour for taking out brick-on-end edging including removing debris to flank or berm sorting out serviceable materials and stacking.	%Metre	664	664	664	664	664	664	664	664	664	664	664	664	664	664	664	
17	Labour for taking out brick-on-edge of herring bone bond including removing debris to flank or berm sorting out serviceable materials and stacking.	%Sq.M	1732	1732	1732	1732	1732	1732	1732	1732	1732	1732	1732	1732	1732	1732	1732	
18	Labour for taking out brick-on-edge of herring bone bond set in cement mortar including removing debris to flank or berm sorting out serviceable materials and stacking.	%Sq.M	3464	3464	3464	3464	3464	3464	3464	3464	3464	3464	3464	3464	3464	3464	3464	
19	Labour for taking out soling from road and stacking the serviceable materials at site.																	
	150 mm boulder soling	Sq.M	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	
20	Labour for taking out carefully existing stone edging, relaying edging in the same trench after rectifying line and level as required with all old materials or with partly old and partly new departmental materials (including carriage of new materials within a lead of 120m) and repacking the trench thoroughly on both sides of the edging.																	
	(a) 100 mm. wide and 125 mm. deep edging with stone sets laid-on-edge.	%Metre	1876	1876	1876	1876	1876	1876	1876	1876	1876	1876	1876	1876	1876	1876	1876	
	(b) 100 mm. wide and 250 mm. deep edging with stone sets laid-on-edge.	%Metre	2778	2778	2778	2778	2778	2778	2778	2778	2778	2778	2778	2778	2778	2778	2778	
21	Taking out carefully existing (75 mm. wide) ornamental brick edging of Saw-tooth type (with bricks laid diagonally on end) and relaying the edging in the same trench after rectifying line and level as required and repacking the trench thoroughly on both sides of the edging.	Mtr.	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	

**SECTION 1. -----BUILDING WORKS**  
**(P) SOLING, EDGING AND METALLING**

Item No.	Description of Items	Unit	Rate (Rs.)														REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purnulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Japaiguri, Axuparaaur, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	
22	Labour for taking out carefully existing stone edging and relaying the edging on the same trench rectifying line and level as required with all old materials or with partly old and partly new departmental materials (including carriage of new materials within a lead of 150 m.) and repacking the trench throughly on both sides of the edging.																
	(a) 125 mm to 150 mm width and 225 mm to 250 mm deep edging with stone boulders with the top portion rough dressed.	Mtr.	11	11	11	11	11	11	11	11	11	11	11	11	11	11	
	(b) 100 mm wide and 125 mm deep edging with stone sets laid on edge.	Mtr.	7	7	7	7	7	7	7	7	7	7	7	7	7	7	
	(c) 100 mm wide and 250mm deep edging with stone sets laid on edge.	Mtr.	7	7	7	7	7	7	7	7	7	7	7	7	7	7	
23	Relaying disturbed kerb stone on new lime concrete (18 : 36 : 100) bed up to 75 mm thick.	Metre	50	50	50	50	50	50	50	50	50	50	50	50	50	50	
24	Relaying disturbed channel stone on new lime concrete (18 : 36 : 100) bed up to 75 mm thick.	Metre	99	99	99	99	99	99	99	99	99	99	99	99	99	99	

**SECTION 1. -----BUILDING WORKS**  
**(Q) MAINTANANCE OF STATUES AND MONUMENTS ETC**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurdwar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
1	Filling up the joints of marble or granite stone etc. of statues after chiselling out joints including grouting with cement mortar (1:3) with white cement carefully (with cement gun) and matching colour with necessary pigment.	Metre	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	
2	Cleaning and removing stains as far as possible from pedestals and bases below statues of granite and syenite stone including cleaning ornamental cornice, base moulding curvings, sunk panel surface with carborandum block No. 1 of coarse and medium grains of grades 60 and 40 respectively by skilled labour and washing them with soap and soda water.	Sq.M	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	
3	Cleaning and removing stains as far as possible from pedestals and bases below statues of sand stone including cleaning ornamental cornice, base moulding curvings sunk panel surface with carborandum block No. 1 of coarse and medium grains of grades 60 and 40 respectively by skilled labour and washing them with soap and soda water.	Sq.M	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	
4	Cleaning and removing stains as far as possible from pedestals and below statues of marble or artificial cast white stone including plasters and ornamental cap and moulding and flows with No. 1 No. 2 and No. 3 stone as necessary.	Sq.M	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	
5	Hire and labour charges for high scaffolding all round (outside) body domes and finials etc. of Saheed Minar.	L.S.	29339	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
6	Hire and labour charges for high scaffolding all round (outside) body domes and finials etc. of Luscar Memorial.	L.S.	8850	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

**SECTION 1. -----BUILDING WORKS**

**(R) ALUMINIUM WORKS**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri,Alipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
1	Supplying profiles of required section made of Aluminium Alloy Extrusions conforming to IS: 732-1983 and IS: 1285- 1975; Annodized (with required film thickness and specified colour / natural) matt finished conforming to IS: 1868-1983 for fabrication of composit door, sliding & casement windows, partitions, formed of basic sections of any ISI embossed / certified make and brand as per direction of Engineer - In-Charge. (Payment will be made on finished length of the work).																	
	(A) In 10-12 Micron thickness Annodizing film																	
	I) Natural white																	
	a) 2- track sliding window																	
	i) Bottom frame	Metre	218	218	218	218	218	218	218	218	218	218	218	226	218	218	218	
	ii) Top and side frame.	Metre	195	195	195	195	195	195	195	195	195	195	195	202	195	195	195	
	b) 3- track sliding window																	
	i) Bottom frame	Metre	311	311	311	311	311	311	311	311	311	311	311	323	311	311	311	
	ii) Top and side frame.	Metre	270	270	270	270	270	270	270	270	270	270	270	280	270	270	270	
	c) 4- track sliding window																	
	i) Bottom frame	Metre	376	376	376	376	376	376	376	376	376	376	376	390	376	376	376	
	ii) Top and side frame.	Metre	324	324	324	324	324	324	324	324	377	324	324	336	324	324	324	
	d) Shutter for all track sliding window.																	
	i) Bottom & Top member.	Metre	117	117	117	117	117	117	117	117	117	117	117	122	117	117	117	
	ii) Style side member.	Metre	119	119	119	119	119	119	119	119	119	119	119	124	119	119	119	
	iii) Interlock member.	Metre	148	148	148	148	148	148	148	148	148	148	148	154	148	148	148	
	e) Casement window ( 40 mm Depth series)																	
	i) Outer frame.	Metre	157	157	157	157	157	157	157	157	157	157	157	163	157	157	157	
	ii) Mullion.	Metre	222	222	222	222	222	222	222	222	222	222	222	231	222	222	222	
	iii) Shutter.	Metre	154	154	154	154	154	154	154	154	154	154	154	160	154	154	154	
	iv) Glazing clip.	Metre	42	42	42	42	42	42	42	42	42	42	42	44	42	42	42	
	v) Cleat angle. (Non-anodized)	Metre	263	263	263	263	263	263	263	263	263	263	263	274	263	263	263	

**SECTION 1. -----BUILDING WORKS**

**(R) ALUMINIUM WORKS**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
	<b>f) Casement window ( 34 mm Depth series)</b>																	
	i) Outer frame.	Metre	133	133	133	133	133	133	133	133	133	133	133	138	133	133	133	
	ii) Mullion.	Metre	193	193	193	193	193	193	193	193	193	193	193	201	193	193	193	
	iii) Shutter.	Metre	112	112	112	112	112	112	112	112	112	112	112	117	112	112	112	
	iv) Glazing clip.	Metre	44	44	44	44	44	44	44	44	44	44	44	45	44	44	44	
	v) Cleat angle. (Non-annodized)	Metre	263	263	263	263	263	263	263	263	263	263	263	274	263	263	263	
	<b>g) Fixed glazing.</b>																	
	i) Top, bottom and side member.	Metre	321	321	321	321	321	321	321	321	321	321	321	334	321	321	321	
	ii) Mullion.	Metre	339	339	339	339	339	339	339	339	339	339	339	353	339	339	339	
	iii) Glazing clip.	Metre	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	
	<b>h) Louvered window.</b>																	
	i) Top, bottom and side member.	Metre	183	183	183	183	183	183	183	183	183	183	183	191	183	183	183	
	ii) Louvered Section.	Metre	658	658	658	658	658	658	658	658	658	658	658	684	658	658	658	
	iii) Cleat angle ( Non-annodized).	Metre	263	263	263	263	263	263	263	263	263	263	263	274	263	263	263	
	<b>i) Fixed partitions.</b> (Unsupported length of vertical member upto 1.5 mtr. Height of both ends of vertical member restrained but panels within 0.9 sq.m.)																	
	i) Top , bottom & side member.	Metre	321	321	321	321	321	321	321	321	321	321	321	334	321	321	321	
	ii) Intermediate member.	Metre	339	339	339	339	339	339	339	339	339	339	339	353	339	339	339	
	iii) Glazing clip.	Metre	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	
	<b>j) Fixed partitions.</b> (Unsupported length of vertical member upto 1.5 mtr. Height of both ends of vertical member restrained but panels within 0.9 sq.m.)																	
	i) Top , bottom & side member.	Metre	462	462	462	462	462	462	462	543	462	462	462	481	462	462	462	
	ii) Intermediate member.	Metre	480	480	480	480	480	480	480	480	480	480	480	500	480	480	480	
	iii) Glazing clip.	Metre	46	46	46	46	46	46	46	46	46	46	46	47	46	46	46	
	<b>k) Movable door shutter.</b>																	
	i) Door frame. (Top & sides).	Metre	315	315	315	315	315	315	315	315	315	315	315	328	315	315	315	

**SECTION 1. -----BUILDING WORKS**

**(R) ALUMINIUM WORKS**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
	ii) <b>Shutter :</b>																	
	Top rail.	Metre	304	304	304	304	304	304	304	304	304	304	304	177	304	304	304	
	Bottom rail.	Metre	448	448	448	448	448	448	448	448	448	448	448	466	448	448	529	
	Lock rail	Metre	377	377	377	377	377	377	377	377	377	377	377	392	377	377	377	
	Door vertical.	Metre	332	332	332	332	332	332	332	332	332	332	332	346	332	332	332	
	Glazing cleap.	Metre	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	
	<b>l) Rimless door.</b>																	
	i) Top & bottom rail.	Metre	810	810	810	810	810	810	810	810	810	810	810	843	810	810	810	
	<b>II) Coloured</b>																	
	<b>a) 2- track sliding window</b>																	
	i) Bottom frame	Metre	244	244	244	244	244	244	244	244	244	244	244	252	244	244	244	
	ii) Top and side frame.	Metre	218	218	218	218	218	218	218	218	218	218	218	226	218	218	218	
	<b>b) 3- track sliding window</b>																	
	i) Bottom frame	Metre	352	352	352	352	352	352	352	352	352	352	352	363	352	352	352	
	ii) Top and side frame.	Metre	306	306	306	306	306	306	306	306	306	306	306	317	306	306	306	
	<b>c) 4- track sliding window</b>																	
	i) Bottom frame	Metre	411	411	411	411	411	411	411	411	411	411	411	425	411	411	411	
	ii) Top and side frame.	Metre	364	364	364	364	364	364	364	364	364	364	364	377	364	364	364	
	<b>d) Shutter for all track sliding window.</b>																	
	i) Bottom & Top member.	Metre	131	131	131	131	131	131	131	131	131	131	131	136	131	131	131	
	ii) Style side member.	Metre	128	128	128	128	128	128	128	128	128	128	128	133	128	128	128	
	iii) Interlock member.	Metre	161	161	161	161	161	161	161	161	161	161	161	167	161	161	161	
	<b>e) Casement window ( 40 mm Depth series)</b>																	
	i) Outer frame.	Metre	172	172	172	172	172	172	172	172	172	172	172	179	172	172	172	
	ii) Mullion.	Metre	237	237	237	237	237	237	237	237	237	237	237	246	237	237	237	
	iii) Shutter.	Metre	167	167	167	167	167	167	167	167	167	167	167	174	167	167	167	
	iv) Glazing clip.	Metre	48	48	48	48	48	48	48	48	48	48	48	50	48	48	48	
	v) Cleat angle. (Non-annodized)	Metre	263	263	263	263	263	263	263	263	263	263	263	274	263	263	263	

**SECTION 1. -----BUILDING WORKS**

**(R) ALUMINIUM WORKS**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
	<b>f) Casement window ( 34 mm Depth series)</b>																	
	i) Outer frame.	Metre	148	148	148	148	148	148	148	148	148	148	148	153	148	148	148	
	ii) Mullion.	Metre	210	210	210	210	210	210	210	210	210	210	210	218	243	210	210	
	iii) Shutter.	Metre	146	146	146	146	146	146	146	146	146	146	146	151	146	146	146	
	iv) Glazing clip.	Metre	51	51	51	51	51	51	51	51	51	51	51	53	51	51	51	
	v) Cleat angle. (Non-annodized)	Metre	263	263	263	263	263	263	263	263	263	263	263	274	263	263	263	
	<b>g) Fixed Glazing.</b>																	
	i) Top, bottom and side member.	Metre	334	334	334	334	334	334	334	334	334	334	334	347	334	334	334	
	ii) Mullion.	Metre	356	356	356	356	356	356	356	356	356	356	356	370	356	356	356	
	iii) Glazing clip.	Metre	48	48	48	48	48	48	48	48	48	48	48	50	48	48	48	
	<b>h) Louvered window.</b>																	
	i) Top, bottom and side member.	Metre	193	193	193	193	193	193	193	193	193	193	193	200	193	193	193	
	ii) Louvered Section.	Metre	672	672	672	672	672	672	672	672	672	672	672	699	672	672	672	
	iii) Cleat angle ( Non-annodized).	Metre	263	263	263	263	263	263	263	263	263	263	263	274	263	263	263	
	<b>i) Fixed partitions.</b> (Unsupported length of vertical member upto 1.5 mtr. Height of both ends of vertical member restrained but panels within 0.9 Sq.m)																	
	i) Top , bottom & side member.	Metre	334	334	334	334	334	334	334	334	334	334	334	347	334	334	334	
	ii) Intermediate member.	Metre	356	356	356	356	356	356	356	356	356	356	356	370	356	356	356	
	iii) Glazing clip.	Metre	48	48	48	48	48	48	48	48	48	48	48	50	48	48	48	
	<b>j) Fixed partitions.</b> (Unsupported length of vertical member more than 1.5 mtr.or both ends of vertical member restrained but panels more than 0.9 Sq.m)																	
	i) Top , bottom & side member.	Metre	481	481	481	481	481	481	481	481	481	481	481	500	481	481	481	
	ii) Intermediate member.	Metre	500	500	500	500	500	500	500	500	500	500	500	520	500	500	500	
	iii) Glazing clip.	Metre	48	48	48	48	48	48	48	48	48	48	48	50	48	48	48	
	<b>k) Movable door shutter.</b>																	
	i) Door frame. (Top & sides).	Metre	315	315	315	315	315	315	315	315	315	315	315	328	315	315	315	



**SECTION 1. -----BUILDING WORKS**

**(R) ALUMINIUM WORKS**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
	ii) Shutter :																	
	Top rail.	Metre	318	318	318	318	318	318	318	318	318	318	318	330	318	318	318	
	Bottom rail.	Metre	487	487	487	487	487	487	487	487	487	487	487	506	487	487	487	
	Lock rail	Metre	400	400	400	400	400	400	400	400	400	400	400	416	400	400	400	
	Door vertical.	Metre	350	350	350	350	350	350	350	350	350	350	350	363	350	350	350	
	Glazing clip.	Metre	48	48	48	48	48	48	48	48	48	48	48	50	48	48	48	
	l) Rimless door.																	
	i) Top & bottom rail.	Metre	832	832	832	832	832	832	832	832	832	832	832	866	832	832	832	
	(B) 15 Micron colour annodizing.																	
	a) 2- track sliding window																	
	i) Bottom frame	Metre	254	254	254	254	254	254	254	254	254	254	254	262	254	254	254	
	ii) Top and side frame.	Metre	228	228	228	228	228	228	228	228	228	228	228	235	228	228	228	
	b) 3- track sliding window																	
	i) Bottom frame	Metre	368	368	368	368	368	368	368	368	368	368	368	379	368	368	368	
	ii) Top and side frame.	Metre	321	321	321	321	321	321	321	321	321	321	321	331	321	321	321	
	c) 4- track sliding window																	
	i) Bottom frame	Metre	440	440	440	440	440	440	440	440	440	440	440	455	440	440	440	
	ii) Top and side frame.	Metre	380	380	380	380	380	380	380	380	380	380	380	393	380	380	380	
	d) Shutter for all track sliding window.																	
	i) Bottom & Top member.	Metre	137	137	137	137	137	137	137	137	137	137	137	141	137	137	137	
	ii) Style side member.	Metre	132	132	132	132	132	132	132	132	132	132	132	136	132	132	132	
	iii) Interlock member.	Metre	166	166	166	166	166	166	166	166	166	166	166	172	166	166	166	
	e) Casement window ( 40 mm Depth series)																	
	i) Outer frame.	Metre	179	179	179	179	179	179	179	179	179	179	179	185	179	179	179	
	ii) Mullion.	Metre	247	243	243	243	243	243	243	243	243	243	243	252	243	243	243	
	iii) Shutter.	Metre	173	173	173	173	173	173	173	173	173	173	173	179	173	173	173	
	iv) Glazing clip.	Metre	50	50	50	50	50	50	50	50	50	50	50	52	50	50	50	
	v) Cleat angle. (Non-annodized)	Metre	263	263	263	263	263	263	263	263	263	263	263	274	263	263	263	

**SECTION 1. -----BUILDING WORKS**

**(R) ALUMINIUM WORKS**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
	<b>f) Casement window ( 34 mm Depth series)</b>																	
	i) Outer frame.	Metre	155	155	155	155	155	155	155	155	155	155	155	160	155	155	155	
	ii) Mullion.	Metre	217	217	217	217	217	217	217	217	217	217	217	224	217	217	217	
	iii) Shutter.	Metre	151	151	151	151	151	151	151	151	151	151	151	156	151	151	151	
	iv) Glazing clip.	Metre	54	54	54	54	54	54	54	54	54	54	54	56	54	54	54	
	v) Cleat angle. (Non-annodized)	Metre	263	263	263	263	263	263	263	263	263	263	263	274	263	263	263	
	<b>g) Fixed glazing.</b>																	
	i) Top, bottom and side member.	Metre	339	339	339	339	339	339	339	339	339	339	339	352	339	339	339	
	ii) Mullion.	Metre	363	363	363	363	363	363	363	363	363	363	363	377	363	363	363	
	iii) Glazing clip.	Metre	50	50	50	50	50	50	50	50	50	50	50	52	50	50	50	
	<b>h) Louvered window.</b>																	
	i) Top, bottom and side member.	Metre	196	196	196	196	196	196	196	196	196	196	196	204	196	196	196	
	ii) Louvered Section.	Metre	681	681	681	681	681	681	681	681	681	681	681	707	681	681	681	
	iii) Cleat angle ( Non-annodized).	Metre	263	263	263	263	263	263	263	263	263	263	263	274	263	263	263	
	<b>i) Fixed partitions.</b> (Unsupported length of vertical member upto 1.5 mtr. Height of both ends of vertical member restrained but panels within 0.9 sq.m.)																	
	i) Top , bottom & side member.	Metre	339	339	339	339	339	339	339	339	339	339	339	339	339	339	339	
	ii) Intermediate member.	Metre	363	363	363	363	363	363	363	363	363	363	363	377	363	363	363	
	iii) Glazing clip.	Metre	50	50	50	50	50	50	50	50	50	50	50	52	50	50	50	
	<b>j) Fixed partitions.</b> (Unsupported length of vertical member more than 1.5 mtr.or both ends of vertical member restrained but panels more than 0.9 sq.m.)																	
	i) Top , bottom & side member.	Metre	488	488	488	488	488	488	488	488	488	488	488	507	488	488	488	
	ii) Intermediate member.	Metre	508	508	508	508	508	508	508	508	508	508	508	528	508	508	508	
	iii) Glazing clip.	Metre	50	50	50	50	50	50	50	50	50	50	50	52	50	50	50	
	<b>k) Movable door shutter.</b>																	
	i) Door frame. (Top & sides).	Metre	315	315	315	315	315	315	315	315	315	315	315	328	315	315	315	

**SECTION 1. -----BUILDING WORKS**

**(R) ALUMINIUM WORKS**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
	<b>ii) Shutter :</b>																	
	Top rail.	Metre	323	323	323	323	323	323	323	323	323	323	323	336	323	323	323	
	Bottom rail.	Metre	494	494	494	494	494	494	494	494	494	494	494	513	494	494	494	
	Lock rail	Metre	407	407	407	407	407	407	407	407	407	407	407	422	407	407	407	
	Door vertical.	Metre	357	357	357	357	357	357	357	357	357	357	357	370	357	357	357	
	Glazing clip.	Metre	50	50	50	50	50	50	57	50	50	50	50	52	50	50	50	
	<b>l) Rimless door.</b>																	
	i) Top & bottom rail.	Metre	841	841	841	841	841	841	841	841	841	841	841	875	841	841	841	
2	Labour charge for fabrication and installation of composite door, window, partitions made from annodized extruded alloy aluminium sections for the following units:-																	
	(A) Glazed aluminium sliding windows made of extruded and annodized alloy aluminium sections, fabrications, including cutting to proper shape and size, drilling and aligning of window shutter frame fitted with in built locking arrangements, sliding rollers and other necessary fittings, fixture, adhesives and joineries along with extruded neoprine or EPDM gasketing in between window frame and masonry work (walls, column, beam.lintels etc.) as well as between glass and shutter frame for fixing glass and Polysulphide sealant and in between shutter and window frame where necessary including cutting to requisite size and fixing glass as per drawing, specification and direction of EIC. The rate includes the hire charge of all tools and plants, including all incidental charges, adhesive, joineries such as screw, cleat angle etc. but excluding the cost of extruded aluminium sections, glass, neoprene / EPDM gasket, locking arrangement and rollers.																	
	i ) 2 track sliding window.	Sq.M	696	696	696	696	696	696	696	696	696	696	696	696	696	696	696	
	ii ) 3/4 track sliding window.	Sq.M	941	941	941	941	941	941	941	941	941	941	941	941	941	941	941	
	iii ) Openable / Casement window.	Sq.M	1117	1117	1117	1117	1117	1117	1117	1117	1117	1117	1117	1117	1117	1117	1117	
	iv ) Fixed glazing.	Sq.M	768	768	768	768	768	768	768	768	768	768	768	768	768	768	768	

**SECTION 1. -----BUILDING WORKS**

**(R) ALUMINIUM WORKS**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
	v ) Louvered window.	Sq.M	730	730	730	730	730	730	730	730	730	730	730	730	730	730	730	
	vi) Add for special architectural feature, where members / sections are required to be bent as per requirement.	R.M.	259	259	259	259	259	259	259	259	259	259	259	259	259	259	259	
	(B) Partly glazed partly panelled or fully glazed single leaf aluminium swing door made of extruded and anodized alloy aluminium sections, fabrication including cutting to proper shape and size, drilling and aligning, fitted with heavy duty hydraulic action floor sping placed in the floor with mending damages,with top pin assembly of approve make and brand, fitted with in built locking arrangement, flush bolt, glazing clips and all other necessary fittings, fixtures, adhesives and joineries, cutting glass of approved make to requisite shape and size fitting with dry set neoprene or EPDM gasketing, cutting to requisite shape and size panel board (prelaminated particle block) fixing them with glazing clips as per drawing, specification and direction of Engineer in charge.	Sq.M	1281	1281	1281	1281	1281	1281	1281	1281	1281	1281	1281	1281	1281	1281	1281	
	The rate includes the hire charge of all tools and plants, adhesive, joineries such as screw, cleat angle etc. but excluding the cost of extruded alumium sections, glass, panel boards neoprene / EPDM gasket, locking arrangement, weather gasket / wool pile, floor spring, top pin, handle, tower bolt, glazing clips etc. (10% rate reduction has to be made for swing doors or partitions where floor sping is not used. 10% enhancement of rate is to be made where door frame of extruded aluminium sections has to be fitted and fixed to masonry wall. 5% rate enhancement may be allowed for double leaf swing door. Payment shall be made for the shutter area only exept where door frame is fixed the entire opening shall be taken to consideration.Payment for door frame sections are to be paid seperately).																	

**SECTION 1. -----BUILDING WORKS**

**(R) ALUMINIUM WORKS**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
	(C) Fully glazed single leaf reamless swing door made of anodized aluminium alloy extrusions fabrication after cutting to proper shape and size, drilling and aligning fitted with heavy duty hydraulic action floor spring with top pin assembly and fitted with inbuilt locking arrangement and all other necessary fittings, fixture, adhesives and joineries, cutting the glass to requisite shape and size mounting the edges for fitting the same with dry set neoprine/EPDM gasket.	Sq.M	1501	1501	1501	1501	1501	1501	1501	1501	1501	1501	1501	1501	1501	1501	1501	
	The rate includes the hire charge of all tools and plants, adhesive, joineries but excludes the cost of extruded aluminium sections, glass, panel boards EPDM gasket, locking arrangement, weather gasket / wool pile, floor spring, top pin, handle, tower bolt etc.																	
	(D) Partly glazed and partly panelled partition or fixed glazing made of extruded and anodised alloy aluminium sections, fabrications after cutting to proper shape and size, drilling and aligning fitted with inbuilt locking arrangement cutting the glass / board (prelaminated / particle / block) to requisite shape and size moulding the edges fitted and fixed glazing clips and dry set neoprine /EPDM gasket, along with all other necessary arrangements for fixing the partition to walls, floors, beams, columns polysulphide sealant for water proofing if necessary complete in all respect as per drawing and specifications and direction of the Engineer in charge.																	
	The rate includes the hire charge of all tools and plants, adhesive, joineries such as screw, fastener but excluding the cost of extruded aluminium sections, EPDM gasket, glass, board, glazing clips, locking arrangement, etc.																	
	<b>I) For partitions using section of size:</b>																	
	a) 63.50 mm x 38.10 mm	Sq.M	728	728	728	728	728	728	728	728	728	728	728	728	728	728	728	
	b) 101.50mm x 44.45 mm	Sq.M	890	890	890	890	890	890	890	890	890	890	890	890	890	890	890	

**SECTION 1. -----BUILDING WORKS**

**(R) ALUMINIUM WORKS**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
	<b>Note: Add extra for each Addl. Floor over the rate of item 2A, 2B, 2C and 2D except 2A(vi)</b> <b>i) Upto 4th Floor Rs.12.00 per Sq.m</b> <b>ii) Above 4th Floor Rs.16.00 per Sq.m</b>																	
3	Supplying heavy duty hydraulic double action floor spring along with top pin/set of pivots conforming to IS: 6315 or any approved make as per direction of Engineer in charge.	Each Set	1729	1729	1729	1729	1729	1729	1729	1729	1729	1729	1729	1729	1733	1729	1729	
4	Supplying heavy duty top pin/set of pivots of local make and approved by the Engineer-in-charge. <b>(This item to be provided where floor spring not used).</b>	Pair.	297	297	297	297	297	297	297	297	297	297	297	302	297	297	297	
5	Supplying concealed type heavy duty PVC headed aluminium tower bolt for double leaf doors as per approved make and brand as per direction of Engineer-in-Charge.																	
	(a) 200 mm long	Each	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	
	(b) 250 mm long	Each	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	
	(c) 300 mm long	Each	74	74	74	74	74	74	74	74	74	74	74	75	74	74	74	
	(d) 450 mm long	Each	164	164	164	164	164	164	164	164	164	164	164	165	164	164	164	
6	Supplying PVC rollers for sliding windows as per direction of Engineer in charge.	Each	14	14	14	14	14	14	14	14	14	14	14	16	14	14	14	
7	Supplying maruti lock (100mm)	Pair	46	46	46	46	46	46	46	46	46	46	46	48	46	46	46	
8	Supplying EPDM gasket of approved make and brand as per direction of Engineer in charge.																	
	<b>i) For sliding windows</b>																	
	a) 'T' shaped EPDM gasket for frames.	Metre	13	13	13	13	13	13	13	13	13	13	13	15	13	13	13	
	b) 'U' shaped EPDM gasket for frames.	Metre	15	15	15	15	15	15	15	15	15	15	15	18	15	15	15	
	<b>ii) For openable / Casement windows</b>																	
	a) EPDM / weather gasket for outer frame and mullion.	Metre	15	15	15	15	15	15	15	15	15	15	15	18	15	15	15	
	<b>iii) weather gasket / wool pile for door vertical.</b>	Metre	19	19	19	19	19	19	19	19	19	19	19	21	19	19	19	

**SECTION 1. -----BUILDING WORKS**

**(R) ALUMINIUM WORKS**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
9	Supplying bubble free float glass of approved make and brand conforming to IS: 2835-1987.																	
	i) 4mm thick clear glass.	Sq.M	398	398	398	398	398	398	398	398	398	398	398	404	398	398	398	
	ii) 4mm thick coloured / tinted / smoke glass.	Sq.M	468	468	468	468	468	468	468	468	468	468	468	480	468	468	468	
	iii) 5mm thick clear glass.	Sq.M	526	526	526	526	526	526	526	526	526	526	526	526	526	526	526	
	iv) 5mm thick coloured / tinted / smoke glass.	Sq.M	585	585	585	585	585	585	585	585	585	585	585	585	585	585	585	
	v) 6mm thick clear glass.	Sq.M	608	608	608	608	608	608	608	608	608	608	608	608	608	608	608	
	vi) 6mm thick coloured / tinted / smoke glass.	Sq.M	661	661	661	661	661	661	661	661	661	661	661	673	661	661	661	
	vii) 8mm thick clear glass.	Sq.M	848	848	848	848	848	848	848	848	848	848	848	860	848	848	848	
	viii) 8mm thick coloured / tinted / smoke glass.	Sq.M	907	907	907	907	907	907	907	907	907	907	907	918	907	907	907	
	ix) 10mm thick clear glass.	Sq.M	1082	1082	1082	1082	1082	1082	1082	1082	1082	1082	1082	1082	1082	1082	1082	
	x) 10 mm thick coloured / tinted / smoke glass.	Sq.M	1141	1141	1141	1141	1141	1141	1141	1141	1141	1141	1141	1158	1141	1141	1141	
	xi) 12mm thick clear glass.	Sq.M	1258	1258	1258	1258	1258	1258	1258	1258	1258	1258	1258	1258	1258	1258	1258	
	xii) 12mm thick coloured / tinted / smoke glass.	Sq.M	1854	1854	1854	1854	1854	1854	1854	1854	1854	1854	1854	1854	1854	1854	1854	
	xiii) 12mm thick cleared toughened glass coforming to IS: 2553-1992 (Part-II)	Sq.M	3235	3235	3235	3235	3235	3235	3235	3235	3235	3235	3235	3235	3235	3235	3235	
	xiv) 12mm thick coloured / tinted / toughened glass coforming to IS: 2553-1992 (Part-II)	Sq.M	4118	4118	4118	4118	4118	4118	4118	4118	4118	4118	4118	4118	4118	4118	4118	
10	Supplying stainless steel functional hinge for casement window as per approved brand as directed by Engineer- in -charge. (Natural White)																	
	(a) 250 mm long	Each	302	302	302	302	302	302	302	302	302	302	302	229	302	302	302	
	(b) 300 mm long	Each	332	332	332	332	332	332	332	332	332	332	332	265	332	332	332	
11	Supplying annodized aluminium extruded section box hinge for casement windows as per approved brand and make directed by Engineer- in -Charge.(Natural White)	Each	44	44	44	44	44	44	44	44	44	44	44	46	44	44	44	
12	Supplying 4 lever mortice lock or any approved make and brand as per direction of the Engineer- in -Charge.																	
	i) 150 mm.	Each	378	378	378	378	378	378	378	378	378	378	378	383	378	378	378	
	ii) 100 mm.	Each	212	212	212	212	212	212	212	212	212	212	212	235	212	212	212	

**SECTION 1. -----BUILDING WORKS**

**(R) ALUMINIUM WORKS**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
	iii) 75 mm.	Each	157	157	157	157	157	157	157	157	157	157	157	163	157	157	157	
13	(A) Supplying Aluminium casted body hydraulic door closer as per I.S.I.	Each	635	635	635	635	635	635	635	635	635	635	635	640	635	635	635	
	(B) Supplying 125 mm. Dia acrylic handle for aluminium door as per approved make & brand.																	
	(a) Natural Colour	Each	181	181	181	181	181	181	181	181	181	181	181	184	181	181	181	
	(b) Colour	Each	192	192	192	192	192	192	192	192	192	192	192	196	192	192	192	
	(C) Supplying Heavy Duty Aluminium Handle (EBCO Type) (Natural White)	Each	96	96	96	96	96	96	96	96	96	96	96	101	96	96	96	
	(D) Supplying Aluminium casted body Butt Hinge (KOBRA type). (Natural white)	Each set	56	56	56	56	56	56	56	56	56	56	56	58	56	56	56	
	(E) Supplying 250mm long Heavy Type Aluminium window Peg Stay (Natural White)	Each	55	55	55	55	55	55	55	55	55	55	55	57	55	55	55	
	(F) Supplying Zinc powered coated star lock (Natural White)	Each	40	40	40	40	40	40	40	40	40	40	40	42	40	40	40	
	<b>Note:- For Colour anodizing rate of item no. 10, 11, 13A, 13C, 13D, 13E to be enhanced by 10%..</b>																	
14	Filling the gap in between aluminium frame & adjacent RCC / Brick/ Stone work by providing weather silicon sealant over 6mm dia backer rod of approved quality as per architectural drawings and direction of Engineer-in-Charge complete. Upto 5 mm depth and 5 mm width																	
	(a) Ground Floor	Mtr.	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	
	(b) Extra for each additional floor	Mtr.	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	



**SECTION 1. -----BUILDING WORKS**

**(R) ALUMINIUM WORKS**

Item No.	Description of Items	Unit	Rate (Rs.)														REMARKS	
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri,Alipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS		Uttar/ Dakshin Dinajpur Dist.
15	Supplying,fitting & fixing of 2-Track / 3-Track Aluminium sliding Window of all Aluminium sections viz. window frame (top,bottom & side frame), shutter (top, bottom, side & interlock member) made of aluminium alloy extrusions conforming to IS 733-1983 & IS 1285-1975, annodised conforming to IS 1868-1983, fitted with all other accessories viz. PVC roller, EPDM gasket, maruti lock, screws etc. including labour charges for fitting & fixing of aluminium 2-track/3-track sliding window with fixing of glass (excluding cost of glass) all complete as per architectural drawings and direction of Engineer-in-charge. 10-12 Micron thickness Annodizing film Natural white	Kg.	448	448	448	448	448	448	448	448	448	448	448	458	448	448	448	
	<b>For 2-Track window :</b> Members for Bottom frame @ 0.875 Kg per Mtr. and for Top and Side frame @ 0.778 Kg per Mtr. and for shutter Bottom and Top member @ 0.472 Kg per Mtr., Style side member @ 0.493 Kg per Mtr. and Interlock member @ 0.612 Kg per Mtr.  <b>For 3-Track window :</b> Members for Bottom frame @ 1.233 Kg per Mtr. and for Top and Side frame @ 1.067 Kg per Mtr. and for shutter Bottom and Top member @ 0.472 Kg per Mtr., Style side member @ 0.493 Kg per Mtr. and Interlock member @ 0.612 Kg per Mtr.																	
	[Note : for estimate purpose construction wing may consider weight of 2-track Aluminium window @ 5.5 Kg per Sq.M.and 3-track Aluminium window @ 6.5 Kg per Sq.M]																	

**SECTION 1. -----BUILDING WORKS**

**(R) ALUMINIUM WORKS**

Item No.	Description of Items	Unit	Rate (Rs.)														REMARKS	
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurdwar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS		Uttar/ Dakshin Dinajpur Dist.
16	Supplying, fitting & fixing of partly glazed partly panelled or fully glazed single leaf Aluminium swing door of all aluminium sections viz door frame ( top and side frame), shutter( top rail, bottom rail, lock rail, door vertical) , glazing clip made of Aluminium Alloy Extrusions conforming to IS: 733-1983 and IS: 1285-1975, annodized conforming to IS:1868-1983, fitted with all other accessories viz. EPDM gasket,cleat, angle screws etc. including labour charges for fitting and fixing of aluminium door with door spring/aluminium hinges, glass / Panel board all complete as per architectural drawings and direction of Engineer-in-charge. ( Excluding cost of glass/ panel board, door spring/ Al hinges, door closer, door stoper, handle, tower bolt and locking arrangment etc) 10-12 Micron thickness Annodizing film Natural white	Kg.	385	385	385	385	385	385	385	385	385	385	385	394	385	385	385	
	(unit wt of to Top & side frame @1.366 kg/m ; top rail @ 1.296 kg/m; bottom rail @ 1.974 kg/m; lock rail @ 1.590 kg/m; door vertical @ 1.412 kg/m; glazing clip @ 0.167 kg/m. )  [Note : for estimate purpose construction wing may consider weight of Aluminium door @ 9.0 Kg per Sq.M]																	
17	Supplying, fitting & fixing of Aluminium fixed partion wall of all aluminium sections viz top, bottom and side member, intermediate member, glazing clip made of Aluminium Alloy Extrusions conforming to IS: 733-1983 and IS: 1285-1975, annodized conforming to IS:1868-1983, fitted with all other accessories viz. EPDM gasket,cleat, angle screws etc. including labour charges for fitting and fixing of aluminium fixed partition wall with glass / panel board all complete as per architectural drawings and direction of Engineer-in-charge. (Excluding cost of glass/ panel board, 10-12 Micron thickness Annodizing film. Natural white.																	

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**(R) ALUMINIUM WORKS**

Item No.	Description of Items	Unit	Rate (Rs.)														REMARKS	
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS		Uttar/ Dakshin Dinajpur Dist.
	a) for unsupported length of vertical member upto 1.50m. height of both ends of vertical member restrained but panel with in 0.90 sqm	Kg.	391	391	391	391	391	391	391	391	391	391	391	401	391	391	391	
	(unit wt of Top, bottom & side member @1.366 kg/m ; intermediate member @ 1.443 kg/m; glazing clip: 0.167 kg/m respectively) [Note : for estimate purpose construction wing may consider weight of Al-Sections for Partition wall @ 5.7 Kg per Sq.M]																	
	b) For unsupported length of vertical member above 1.50m. height of both ends of vertical member restrained but panel above 0.90 sqm	Kg.	387	387	387	387	387	387	387	387	387	387	387	397	387	387	387	
	(unit wt of Top, bottom & side member @ 1.978; intermediate member @ 2.055; glazing clip @ 0.167 kg/m respectively)																	
	[Note : for estimate purpose construction wing may consider weight of Al-Sections for Partition wall @ 5.0 Kg per Sq.M]																	
	[Mode of Measurement: for SL No. 15 to 17 Payment will be made on the basis of actual weight of Aluminium Composit section based on relevant specification]																	
18	Supplying, Aluminium Grill with F channel frame of approved make and brand having ultimate tensile strength of 19 Kg/Sq.m. and modulus of elasticity 7000 kg/ sq.m., with 15 micron anodised fitted & fixed with necessary screws etc. complete as per direction of Engineer-in-charge.																	
	Grill made with 10 mm wide and 5.2 mm thick aluminium sheet having expansion width of 66.00 mm and weight not less than 3.26 Kg/Sq.m.	Sq.M.	1571	1571	1571	1571	1571	1571	1571	1571	1571	1571	1571	1645	1571	1571	1571	

**SECTION 1. -----BUILDING WORKS**

**(R) ALUMINIUM WORKS**

Item No.	Description of Items	Unit	Rate (Rs.)														REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri,Alipurdwar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	
19	Supplying profiles of required section made of Aluminium Alloy Extrusion conforming to IS: 732-1983 and IS: 1285-1975; Anodised with required film thickness and specified colour/natural matt finished conforming to IS: 1868-1983 for fabrication of Structural Glazing, Curtain Wall formed of basic sections of any ISI embossed/certified make and brand as per direction of Engineer-in-charge. ( Payment will be made on finished length of the work). 15 micron colour anodising Structural glazing /Curtain Wall																
	i) Mulion & Transom (Weight @1.819 Kg per Meter)	Mtr.	463	463	463	463	463	463	463	463	463	463	463	480	463	463	463
	ii) Sub frame for fixing Glass (Weight @0.31 Kg per Meter)	Mtr.	81	81	81	81	81	81	81	81	81	81	81	81	84	81	81
20	Supplying Glazing Silicon of approved make and brand for fixing of Glass on Sub-frame as per direction of Engineer-in-charge for Structural Glazing/Curtain wall etc.																
	Glazing Silicon for fixing Glass on Sub frame	Mtr.	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112
21	Supplying Weather Silicone sealant of approved make and brand for fixing of grove line between the Glasses as per direction of Engineer-in-charge. for Structural Glazing/Curtain wall.																
	Weather Silicone sealant for filling the Grove line between Glasses or any other material for facial work	Mtr.	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57
22	Supplying profiles of required sections made of aluminium alloy extrusion confirming to IS 732-1983 and IS 1285-1975 anodised with required film thickness and specified colour / natural mat finished conforming to IS 1868-1983 for fabrication of structural glazing, curtain wall formed of basic section of any ISI embossed / certified make and brand as per direction of Engineer-in-Charge. (Payement will be made on finished length of the work). for Structural glazing / curtain wall with 15 micron Coloured Anodising																

**SECTION 1. -----BUILDING WORKS**

**(R) ALUMINIUM WORKS**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
	(i) Fixing Plate (Wt. @ 0.515 Kg per Mtr.)	Mtr.	116	116	116	116	116	116	116	116	116	116	116	121	116	116	116	
	(ii) Fixing cap (Wt. @ 0.342 Kg per Mtr.)	Mtr.	77	77	77	77	77	77	77	77	77	77	77	80	77	77	77	
23	Labour charge for fabrication and installation of structural Glazing/Curtain Wall made from anodized extruded alloy aluminium sections for the following units:-																	
	Structural Glazing made of extruded and anodized alloy aluminium sections, fabrications including cutting to proper shape and size, drilling including cost of brackets, fastener bolt, mullion bolt, nuts & washers, maskin tape, double side adhesieve crosslink foam (used for guard of glazed silicon on sub-frame), tissue paper foam (used as filler between sub-frame and under backing of weather silicon), screws and other necessary hardwares, fixing of glass as per drawing, specification and direction of Engineer-in-Charge. (The rate includes hire charges of all tools and plants, including all incidental charges, adhesieve, joiners such as screw, cleate angle, etc. but excluded the cost of extruded aluminium sections, glass, glazed silicon, weather silicon etc.)	Sq.M.	850	850	850	850	850	850	850	850	850	850	850	850	850	850	850	
24	Supplying bubble free float glass of approved make and brand conforming to IS: 2835-1987; (A) clear, toughened glass conforming to IS: 2553-1992 (part-II)																	
	(i) 6mm thick	Sq.M.	957	957	957	957	957	957	957	957	957	957	957	957	957	957	957	
	(ii) 8mm thick	Sq.M.	1261	1261	1261	1261	1261	1261	1261	1261	1261	1261	1261	1490	1261	1261	1261	
	(iii) 10mm thick	Sq.M.	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	
	(B) coloured, toughened glass conforming to IS: 2553-1992 (part-II)																	
	(i) 6mm thick	Sq.M.	1073	1073	1073	1073	1073	1073	1073	1073	1073	1073	1073	1073	1073	1073	1073	
	(ii) 8mm thick	Sq.M.	1729	1729	1729	1729	1729	1729	1729	1729	1729	1729	1729	1815	1729	1729	1729	
	(iii) 10mm thick	Sq.M.	2161	2161	2161	2161	2161	2161	2161	2161	2161	2161	2161	2682	2161	2161	2161	

**SECTION 1. -----BUILDING WORKS**

**(R) ALUMINIUM WORKS**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
25	Supplying, fitting & fixing Step edging made of anodised Aluminium Alloy Extrusion (weight @ 0.494 Kg per Mtr.) Conforming to IS: 732-1983 and IS: 1285-1975, fixed to the steps by stainless steel screws driven by electric drill as per specification & direction of Engineer-in-charge.	Mtr.	227	227	227	227	227	227	227	227	227	227	227	227	227	227	227	
26	Supplying, fitting & fixing aluminium stair nosing 28.92 mm x 31.92 mm x 1.27 mm thick of aluminium extruded sections of 0.172kg/metre length as per IS: 733 including GSM screws and other incidental cost complete as per requirement and direction of Engineer-in-charge. All sections shall be natural/ golden colour anodized in AC 15 microns as per IS 5523 : 1983.	Mtr.	270	270	270	270	270	270	270	270	270	270	270	270	270	270	270	
27	Providing and fixing exterior quality Aluminium Composite Panel (ACP) wall cladding on existing Al. /MS frame work with GI brackets, ACP fixed on the existing frame work by folding the edges of ACP panel (Engraving the rear surface of ACP sheet) with CP angles, cleats and stainless Steel screws forming grooves at the periphery of ACP panel. Such grooves filled with foam and silicon sealant etc. complete with all materials (but including the cost of silicon sealant), labour, scaffolding and all other incidental charges complete in all respect as per specification and direction of Engineer-in-charge. (Mode of payment is on finished surface area of ACP)																	
	(a) 3mm thick (0.25mm Al.+2.5mm LDPE +0.25mm Al. PVDF coating)	Sq.M.	1991	1991	1991	1991	1991	1991	1991	1991	1991	1991	1991	2265	1991	1991	1991	
	(b) 4mm thick (0.50mm Al.+3.0mm LDPE +0.50mm Al. PVDF coating)	Sq.M.	2878	2878	2878	2878	2878	2878	2878	2878	2878	2878	2878	2979	2878	2878	2878	

**SECTION 1. -----BUILDING WORKS**

**(S) WELL FOR WATER SUPPLY**

Item No.	Description of Items	Unit	Rate (Rs.)														REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri,Alipurdwar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	
1	Digging earth in any soil including mixed soil but excluding moorum, laterite sand stone or any other hard stone including spreading or stacking the spoils within a lead of 75 metres as directed bailing out water upto 1 metre depth, shoring etc., when and if required and back filling with fine sand (including cost of sand) on completion of steining works.																
	A) R.C.C. Ring Well																
	i) 1.2 metre diameter of digging for 0.9 metre internal diameter of well ring.																
	a) Upto 3 metre below G.L.	Mtr.	692	541	524	524	608	591	531	524	608	591	591		568	568	558
	b) Beyond 3 metre upto 6 metre below G.L.	Mtr.	740	589	572	572	656	639	579	572	656	639	639		616	616	606
	c) Beyond 6 metre upto 9 metre below G.L.	Mtr.	807	657	640	640	724	707	647	640	724	707	707		684	684	674
	d) Beyond 9 metre upto 12 metre below G.L.	Mtr.	923	773	756	756	840	823	763	756	840	823	823		799	799	789
	e) Beyond 12 metre upto 15 metre below G.L.	Mtr.	991	840	824	824	908	891	831	824	908	891	891		867	867	857
	f) Beyond 15 metre upto 18 metre below G.L.	Mtr.	1126	976	959	959	1043	1026	966	959	1043	1026	1026		1003	1003	993
	ii) 1.5 metre diameter of digging for 1.2 metre internal diameter of well ring.																
	a) Upto 3 metre below G.L.	Mtr.	879	688	667	667	773	752	676	667	773	752	752		722	722	710
	b) Beyond 3 metre upto 6 metre below G.L.	Mtr.	927	737	715	715	821	800	724	715	821	800	800		770	770	758
	c) Beyond 6 metre upto 9 metre below G.L.	Mtr.	995	804	783	783	889	868	792	783	889	868	868		838	838	825
	d) Beyond 9 metre upto 12 metre below G.L.	Mtr.	1063	872	851	851	957	936	859	851	957	936	936		906	906	893
	e) Beyond 12 metre upto 15 metre below G.L.	Mtr.	1179	988	967	967	1073	1052	975	967	1073	1052	1052		1022	1022	1009
	f) Beyond 15 metre upto 18 metre below G.L.	Mtr.	1295	1104	1082	1082	1188	1167	1091	1082	1188	1167	1167		1138	1138	1125

**SECTION 1. -----BUILDING WORKS**

**(S) WELL FOR WATER SUPPLY**

Item No.	Description of Items	Unit	Rate (Rs.)														REMARKS	
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purnulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri,Alipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS		Uttar/ Dakshin Dinajpur Dist.
	iii) 1.8 metre diameter of digging for 1.5 metre internal diameter of well ring.																	
	a) Upto 3 metre below G.L.	Mtr.	1388	1183	1160	1160	1274	1251	1169	1160	1274	1251	1251		1219	1219	1206	
	b) Beyond 3 metre upto 6 metre below G.L.	Mtr.	1436	1231	1208	1208	1322	1299	1217	1208	1322	1299	1299		1267	1267	1254	
	c) Beyond 6 metre upto 9 metre below G.L.	Mtr.	1504	1298	1276	1276	1390	1367	1285	1276	1390	1367	1367		1335	1335	1321	
	d) Beyond 9 metre upto 12 metre below G.L.	Mtr.	1620	1414	1392	1392	1506	1483	1401	1392	1506	1483	1483		1451	1451	1437	
	e) Beyond 12 metre upto 15 metre below G.L.	Mtr.	1735	1530	1507	1507	1621	1599	1517	1507	1621	1599	1599		1567	1567	1553	
	f) Beyond 15 metre upto 18 metre below G.L.	Mtr.	1775	1569	1547	1547	1661	1638	1556	1547	1661	1638	1638		1606	1606	1592	
	B) Masonry Steining Well																	
	i) 2.1 metre diameter of digging for 1.2 metre internal diameter of well.																	
	a) Upto 3 metre below G.L.	Mtr.	1113	872	845	845	979	952	856	845	979	952	952		914	914	898	
	b) Beyond 3 metre upto 6 metre below G.L.	Mtr.	1161	920	893	893	1027	1000	904	893	1027	1000	1000		963	963	947	
	c) Beyond 6 metre upto 9 metre below G.L.	Mtr.	1296	1055	1029	1029	1162	1136	1039	1029	1162	1136	1136		1098	1098	1082	
	d) Beyond 9 metre upto 12 metre below G.L.	Mtr.	1412	1171	1144	1144	1278	1251	1155	1144	1278	1251	1251		1214	1214	1198	
	e) Beyond 12 metre upto 15 metre below G.L.	Mtr.	1548	1307	1280	1280	1414	1387	1291	1280	1414	1387	1387		1349	1349	1334	
	f) Beyond 15 metre upto 18 metre below G.L.	Mtr.	1664	1423	1396	1396	1530	1503	1407	1396	1530	1503	1503		1465	1465	1449	
	ii) 2.4 metre diameter of digging for 1.5 metre internal diameter of well.																	



**SECTION 1. -----BUILDING WORKS**

**(S) WELL FOR WATER SUPPLY**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurdwar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
	a) Upto 3 metre below G.L.	Mtr.	1272	996	965	965	1119	1088	977	965	1119	1088	1088		1045	1045	1026	
	b) Beyond 3 metre upto 6 metre below G.L.	Mtr.	1388	1112	1081	1081	1235	1204	1093	1081	1235	1204	1204		1161	1161	1142	
	c) Beyond 6 metre upto 9 metre below G.L.	Mtr.	1524	1247	1216	1216	1370	1339	1229	1216	1370	1339	1339		1296	1296	1278	
	d) Beyond 9 metre upto 12 metre below G.L.	Mtr.	1659	1382	1352	1352	1506	1475	1364	1352	1506	1475	1475		1432	1432	1413	
	e) Beyond 12 metre upto 15 metre below G.L.	Mtr.	1775	1498	1468	1468	1621	1591	1480	1468	1621	1591	1591		1548	1548	1529	
	f) Beyond 15 metre upto 18 metre below G.L.	Mtr.	1891	1614	1584	1584	1737	1706	1596	1584	1737	1706	1706		1664	1664	1645	
	iii) 2.7 metre diameter of digging for 1.8 metre internal diameter of well.																	
	a) Upto 3 metre below G.L.	Mtr.	1384	1072	1037	1037	1210	1176	1051	1037	1210	1176	1176		1127	1127	1106	
	b) Beyond 3 metre upto 6 metre below G.L.	Mtr.	1432	1120	1085	1085	1258	1224	1099	1085	1258	1224	1224		1175	1175	1154	
	c) Beyond 6 metre upto 9 metre below G.L.	Mtr.	1548	1236	1201	1201	1374	1340	1215	1201	1374	1340	1340		1291	1291	1270	
	d) Beyond 9 metre upto 12 metre below G.L.	Mtr.	1664	1352	1317	1317	1490	1456	1331	1317	1490	1456	1456		1407	1407	1386	
	e) Beyond 12 metre upto 15 metre below G.L.	Mtr.	1799	1487	1452	1452	1626	1591	1466	1452	1626	1591	1591		1543	1543	1522	
	f) Beyond 15 metre upto 18 metre below G.L.	Mtr.	1915	1603	1568	1568	1742	1707	1582	1568	1742	1707	1707		1658	1658	1638	
	iv) 3.0 metre diameter of digging for 2.1 metre internal diameter of well.																	
	a) Upto 3 metre below G.L.	Mtr.	1544	1196	1157	1157	1350	1312	1172	1157	1350	1312	1312		1257	1257	1234	
	b) Beyond 3 metre upto 6 metre below G.L.	Mtr.	1592	1244	1205	1205	1398	1360	1221	1205	1398	1360	1360		1306	1306	1282	

**SECTION 1. -----BUILDING WORKS**

**(S) WELL FOR WATER SUPPLY**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurdwar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
	c) Beyond 6 metre upto 9 metre below G.L.	Mtr.	1708	1360	1321	1321	1514	1475	1336	1321	1514	1475	1475		1422	1422	1398	
	d) Beyond 9 metre upto 12 metre below G.L.	Mtr.	1823	1475	1437	1437	1630	1591	1452	1437	1630	1591	1591		1537	1537	1514	
	e) Beyond 12 metre upto 15 metre below G.L.	Mtr.	1959	1611	1572	1572	1766	1727	1588	1572	1766	1727	1727		1673	1673	1650	
	f) Beyond 15 metre upto 18 metre below G.L.	Mtr.	2075	1727	1688	1688	1881	1843	1704	1688	1881	1843	1843		1789	1789	1766	
	v) 3.6 metre diameter of digging for 2.4 metre internal diameter of well.																	
	a) Upto 3 metre below G.L.	Mtr.	1960	1405	1343	1343	1652	1590	1368	1343	1652	1590	1590		1504	1504	1467	
	b) Beyond 3 metre upto 6 metre below G.L.	Mtr.	2008	1453	1391	1391	1700	1638	1416	1391	1700	1638	1638		1552	1552	1515	
	c) Beyond 6 metre upto 9 metre below G.L.	Mtr.	2124	1569	1507	1507	1816	1754	1532	1507	1816	1754	1754		1668	1668	1631	
	d) Beyond 9 metre upto 12 metre below G.L.	Mtr.	2240	1685	1623	1623	1932	1870	1648	1623	1932	1870	1870		1783	1783	1746	
	e) Beyond 12 metre upto 15 metre below G.L.	Mtr.	2376	1820	1759	1759	2067	2005	1783	1759	2067	2005	2005		1919	1919	1882	
	f) Beyond 15 metre upto 18 metre below G.L.	Mtr.	2492	1936	1874	1874	2183	2121	1899	1874	2183	2121	2121		2035	2035	1998	
	vi) 4.2 metre diameter of digging for 3.0 metre internal diameter of well.																	
	a) Upto 3 metre below G.L.	Mtr.	2197	1547	1474	1474	1836	1764	1503	1474	1836	1764	1764		1662	1662	1619	
	b) Beyond 3 metre upto 6 metre below G.L.	Mtr.	2294	1643	1570	1570	1932	1860	1599	1570	1932	1860	1860		1759	1759	1715	
	c) Beyond 6 metre upto 9 metre below G.L.	Mtr.	2429	1778	1706	1706	2068	1995	1735	1706	2068	1995	1995		1894	1894	1851	
	d) Beyond 9 metre upto 12 metre below G.L.	Mtr.	2545	1894	1822	1822	2184	2111	1851	1822	2184	2111	2111		2010	2010	1966	

**SECTION 1. -----BUILDING WORKS**

**(S) WELL FOR WATER SUPPLY**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurdwar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
	e) Beyond 12 metre upto 15 metre below G.L.	Mtr.	2680	2030	1957	1957	2319	2247	1986	1957	2319	2247	2247		2145	2145	2102	
	f) Beyond 15 metre upto 18 metre below G.L.	Mtr.	2796	2145	2073	2073	2435	2362	2102	2073	2435	2362	2362		2261	2261	2218	
	vii) 4.8 metre diameter of digging for 3.6 metre internal diameter of well.																	
	a) Upto 3 metre below G.L.	Mtr.	2415	1669	1586	1586	2000	1917	1619	1586	2000	1917	1917		1801	1801	1752	
	b) Beyond 3 metre upto 6 metre below G.L.	Mtr.	2511	1765	1682	1682	2097	2014	1715	1682	2097	2014	2014		1898	1898	1848	
	c) Beyond 6 metre upto 9 metre below G.L.	Mtr.	2646	1900	1818	1818	2232	2149	1851	1818	2232	2149	2149		2033	2033	1983	
	d) Beyond 9 metre upto 12 metre below G.L.	Mtr.	2762	2016	1933	1933	2348	2265	1967	1933	2348	2265	2265		2149	2149	2099	
	e) Beyond 12 metre upto 15 metre below G.L.	Mtr.	2878	2132	2049	2049	2464	2381	2083	2049	2464	2381	2381		2265	2265	2215	
	f) Beyond 15 metre upto 18 metre below G.L.	Mtr.	2994	2248	2165	2165	2580	2497	2198	2165	2580	2497	2497		2381	2381	2331	
	N.B.																	
	a) Extra 10% per meter for work beyond the initial depth of 18 metre will be paid.																	
	b) For well done by sinking process 30% extra over the corresponding rate for digging the respective internal dia of the well will be allowed on the different stages of depth.																	
	(c) Extra rock cutting over the corresponding rate for digging for the respective internal diameter of the well will be allowed on the different stage of depth.																	
	i) 5% extra for cutting moorum.																	
	ii) 100 % extra in Laterite rock or sand stone cutting with chisel and jumpers, but not requiring blasting.																	

**SECTION 1. -----BUILDING WORKS**

**(S) WELL FOR WATER SUPPLY**

Item No.	Description of Items	Unit	Rate (Rs.)														REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurdwar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	
	iii) 200 % extra in hard rock requiring blasting including cost of explosive etc. and done with permission from the Engineer-in-Charge.																
	iv) 300 % extra in hard rock in built up areas using chisel, jumper and manual labour.																
2	R.C.C. well ring made with cement concrete 1:1.5:3 with stone chips and 0.80% reinforcement (including the cost of shuttering and reinforcement) cast at site fitted and fixed in position after proper curing true to plumb in the well including jointing with cement mortar 1:2 complete as per direction.																
	a) 65 mm thick and 0.9 metre internal dia. cement for joint filling-4 kg/meter	Mtr.	1225	1216	1216	1216	1224	1217	1211	1211	1218	1217	1237		1236	1236	
	b) 65 mm thick and 1.2 metre internal dia. Cement for joint filling-6 Kg/m	Mtr.	1522	1511	1510	1510	1520	1512	1503	1503	1512	1512	1538		1537	1537	
	c) 75 mm thick and 1.5 metre internal dia. Cement for joint filling-8Kg/m	Mtr.	1999	1984	1983	1983	1996	1985	1974	1974	1986	1985	2022		2022	2022	2021
3	Supplying and fitting fixing in position 15 cm Dia. C.I. Pulley (extra payment will be made for pulley bar and other allied item in respective item)	Each	506	506	506	506	506	506	506	506	506	506	506		506	506	506
4	1st class brick work for steining wall of well in cement mortar 1 :4 below G.L. including cutting bricks if required.																
	a) 0 metre to 6 metre depth.	Cum	5428	4912	4329	4329	5348	5300	5252	4601	5008	4992	4995		4979	4979	5027
	b) above 6 metre to 9 metre depth.	Cum	5528	5012	4429	4429	5448	5400	5352	4701	5108	5092	5095		5079	5079	5127
	c) above 9 metre to 12 metre depth.	Cum	5553	5037	4454	4454	5473	5425	5377	4726	5133	5117	5120		5104	5104	5152
	d) above 12 metre to 15 metre depth.	Cum	5578	5062	4479	4479	5498	5450	5402	4751	5158	5142	5145		5129	5129	5177
	e) above 15 metre to 18 metre depth.	Cum	5633	5117	4534	4534	5553	5505	5457	4806	5213	5197	5200		5184	5184	5232
	f) above 18 metre up to any depth.	Cum	5658	5142	4559	4559	5578	5530	5482	4831	5238	5222	5225		5209	5209	5257

**SECTION 1. -----BUILDING WORKS**

**(S) WELL FOR WATER SUPPLY**

Item No.	Description of Items	Unit	Rate (Rs.)														REMARKS	
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purnia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri,Alipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS		Uttar/ Dakshin Dinajpur Dist.
5	Taking out and removing silt from the bottom of well after bailing out water, removing moss and weed from the well surface (by wire brush) and disinfecting the well complete.																	
	(i) Well depth 9 metre to 12 metre																	
	(a) Dia of well 0.9 m to 1.2 m	Each	451	451	451	451	451	451	451	451	451	451	451		451	451	451	
	(b) Dia of well 1.3 m to 1.5 m	Each	603	603	603	603	603	603	603	603	603	603	603		603	603	603	
	(c) Dia of well 1.6 m to 1.8 m	Each	852	852	852	852	852	852	852	852	852	852	852		852	852	852	
	(d) Dia of well 1.9 m to 2.1 m	Each	1103	1103	1103	1103	1103	1103	1103	1103	1103	1103	1103		1103	1103	1103	
	(e) Dia of well 2.2 m to 2.4 m	Each	1352	1352	1352	1352	1352	1352	1352	1352	1352	1352	1352		1352	1352	1352	
	(f) Dia of well 2.5 m to 2.75 m	Each	1180	1180	1180	1180	1180	1180	1180	1180	1180	1180	1180		1180	1180	1180	
	(g) Dia of well 2.85 m to 3 m	Each	1486	1486	1486	1486	1486	1486	1486	1486	1486	1486	1486		1486	1486	1486	
	(h) Dia of well 3.6 m	Each	1735	1735	1735	1735	1735	1735	1735	1735	1735	1735	1735		1735	1735	1735	
	(ii) Wells of depth above 12 metre but not exceeding 18 metre																	
	(a) Dia of well 0.9 m to 1.2 m	Each	493	493	493	493	493	493	493	493	493	493	493		493	493	493	
	(b) Dia of well 1.3 m to 1.5 m	Each	643	643	643	643	643	643	643	643	643	643	643		643	643	643	
	(c) Dia of well 1.6 m to 1.8 m	Each	1143	1143	1143	1143	1143	1143	1143	1143	1143	1143	1143		1143	1143	1143	
	(d) Dia of well 1.9 m to 2.1 m	Each	1394	1394	1394	1394	1394	1394	1394	1394	1394	1394	1394		1394	1394	1394	
	(e) Dia of well 2.2 m to 2.4 m	Each	1643	1643	1643	1643	1643	1643	1643	1643	1643	1643	1643		1643	1643	1643	
	(f) Dia of well 2.5 m to 2.75 m	Each	1449	1449	1449	1449	1449	1449	1449	1449	1449	1449	1449		1449	1449	1449	
	(g) Dia of well 2.85 m to 3 m	Each	1755	1755	1755	1755	1755	1755	1755	1755	1755	1755	1755		1755	1755	1755	
	(h) Dia of well 3.6 m	Each	2006	2006	2006	2006	2006	2006	2006	2006	2006	2006	2006		2006	2006	2006	
	6	Removing and cleaning hard scum and silt from the bottom of the masonry well from 45cm below the ordinary silt level the kerb level.																
(a) Dia of well 0.9 m to 1.2 m		Mtr.	463	463	463	463	463	463	463	463	463	463	463		463	463	463	
(b) Dia of well 1.3 m to 1.5 m		Mtr.	712	712	712	712	712	712	712	712	712	712	712		712	712	712	

**SECTION 1. -----BUILDING WORKS**

**(S) WELL FOR WATER SUPPLY**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
	(c) Dia of well 1.6 m to 1.8 m (Mode of measurement:- Payment to be made per metre depth of scum removed)	Mtr.	988	988	988	988	988	988	988	988	988	988	988		988	988	988	
7	Sinking Precast R.C. well ring made with cement concrete 1:2:4 with stone chips and necessary reinforcement fitted and fixed in position true to plumb including all labour and hire charges of tools and Plant complete as directed and jointing rings with cement mortar (1:2)																	
	(a) 90 cm dia (internal) cement for joint filling-4 kg/meter	Mtr.	199	199	199	199	199	199	199	199	199	199	199		199	199	199	
	(b) 120 cm dia (internal) Cement for joint filling-6 Kg/m	Mtr.	262	262	262	262	262	262	262	262	262	262	262		262	262	262	
	(c) 150 cm dia (internal) Cement for joint filling-8Kg/m	Mtr.	387	387	387	387	387	387	387	387	387	387	387		387	387	387	

**SECTION 1. -----BUILDING WORKS**  
**(T)MISCELLANEOUS WORKS**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurdwar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
	<b>A. SPECIAL WORKS</b>																	
	<b>I. HORTICULTURE:</b>																	
1	Supplying and stacking of good earth (adequate for horticulture work) at site including royalty (earth measured in stack will be reduced by 20% for payment)	Cu.M.	306	306	306	306	306	306	306	306	306	306	306	306	306	306	306	
2	Supplying and stacking sludge (adequate for Horticulture work) at site in dry cake form from approved disposal work site including royalty, all lead and lift etc. (Sludge measured in stack will be reduced by 8%).	Cu.M.	457	457	457	457	457	457	457	457	457	457	457	457	457	457	457	
3	Spreading of sludge, dump manure, farm yard manure/animal dung manure and good earth in required thickness. This includes supply of labour, tools & plants excluding materials.	% Sq.M.	175	175	175	175	175	175	175	175	175	175	175	175	175	175	175	
4	Supplying and fixing grasses tiles of grass Maxican Carpet/Selection No. 1 Healthy & fresh grasses (size 1'x1' or bigger) including watering and maintenance of the lawn for 30 days or more till the grass forms a thick lawn free from weeds and fit for mowing including supplying good earth as required by Engineer-in-charge. (Rate includes supply of labour, tools & plants including materials)	% Sq.M.	20142	20142	20142	20142	20142	20142	20142	20142	20142	20142	20142	20142	20142	20142	20142	

**SECTION 1. -----BUILDING WORKS**

**(T)MISCELLANEOUS WORKS**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri,Alipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
5	Preparation of beds for hedging and shrubbery by excavating 60cm deep and trenching the excavated base to a further depth of 30cm, refilling the excavated earth after breaking clods and mixing with sludge or manure in the ratio of 8:1 ( 8 parts of stacked volume of earth after reduction by 20%, one part of stacked volume of sludge or manure after reduction by 8%), flooding with water, filling with earth if necessary watering and finally fine dressing, levelling etc., including stacking and disposal of materials declared unserviceable and surplus earth by spreading and levelling as directed, within a lead of 50m lift upto 1.5m complete. This includes supply of labour, tools & plants including materials.																	
	Planting hedge plants in two rows at 30cm apart	% Sq.M.	3530	3530	3530	3530	3530	3530	3530	3530	3530	3530	3530	3530	3530	3530	3530	
6	Maintenance of hedge for one year including application of necessary pesticide, farm yard manure, replacement of damaged hedge plant by new one complete in all respect as per instruction of Engineer-in-charge. This includes supply of labour, tools & plants including materials.	% Sq.M.	11770	11770	11770	11770	11770	11770	11770	11770	11770	11770	11770	11770	11770	11770	11770	
7	Planting of trees ( Avenue plants) in 0.60m dia holea, 1m deep dug in the ground, mixing the soil with decayed farm yard/sludge manure. This includes supply of labour, tools & plants including materials but excluding cost of tree.	Each	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117	
8	Maintanance of trees for one year (Avenue Plants) including watering, trimming, manuring, spraying insecticide and guarding as required. This includes supply of labour, tools & plants including materials.	Each Per Year	477	477	477	477	477	477	477	477	477	477	477	477	477	477	477	



**SECTION 1. -----BUILDING WORKS**

**(T) MISCELLANEOUS WORKS**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurdwar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
9	Supplying and Planting of different plant / trees ( Supplying well grown plants bushy and healthy, minimum height as specified i.e. exposed height including all leads & lift, carriage, handling, manuring, applying presticide and fertilizer etc.																	
	i) Furcaria veriegated 10-12 leaves in height 20-30cm in earthen pots of size 25cm.	Each	162	162	162	162	162	162	162	162	162	162	162	162	162	162	162	162
	ii) Rangon chinese of size not less than 20cm	Each	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
	iii) Rangon chinese polythene pack	Each	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
	iv) Rangon hi-breed healthy plant.	Each	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
	v) Duranta goldianna of size not less than 20cm	Each	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
	vi) Duranta healthy plant of big size	Each	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
	vii) Duranta poly pack	Each	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
	viii) China palm of leaves 4-5 in earthen pots size 25cm	Each	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73
	ix) Ficus bengalensis (variegated) of height 60-75cm in earthen pots size 30cm	Each	185	185	185	185	185	185	185	185	185	185	185	185	185	185	185	185
	x) Ficus blakii (F. Vivicon) well branched (Bushy) of height 120cm - 135 cm in earthen pot of size 30cm.	Each	187	187	187	187	187	187	187	187	187	187	187	187	187	187	187	187
	xi) Ficus elastica Decora ( Rubber plant ) of height 90cm-60cm in each earthen pot of size 25cm.	Each	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69
	xii) Ficus infectoria (Pilikhana) of height 135cm-150cm in big polybag of size 25cm-30cm	Each	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61
	xiii) Ficus regnold well branched (bushy) of height 120cm-135cm in cement pots of size 35cm.	Each	142	142	142	142	142	142	142	142	142	142	142	142	142	142	142	142
	xiv) Acalypha species ( Red/Green) of height 30cm-90cm in earthen pots of size 25cm.	Each	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78
	xv) Acalypha species (Red/Green) of height 30cm-90cm in earthen pots of size 20 cm.	Each	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52

**SECTION 1. -----BUILDING WORKS**

**(T)MISCELLANEOUS WORKS**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri,Alipurdwar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
	xvi) Adenium obesum of height 90cm-60cm in earthen pots of size 25cm.	Each	207	207	207	207	207	207	207	207	207	207	207	207	207	207	207	
	xvii) Bougainvillea (mix variety) of height 30cm-90cm in polybag of size 10cm-15cm.	Each	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	
	xviii) Bougainvillea (mix variety) of height 30cm-90cm in earthen pots of size 20cm.	Each	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	
	xix) Bougainvillea (name variety, bushy plants, full bloom) of height 90cm-60cm in cement pots of size 30cm.	Each	103	103	103	103	103	103	103	103	103	103	103	103	103	103	103	
	xx) Croton (broad leaves) 3-5 branches of height 90cm-120cm in cement pots of size 30cm.	Each	148	148	148	148	148	148	148	148	148	148	148	148	148	148	148	
	xxi) Croton different varieties of height 30 cm to 90 cm in earthen pots of size 25cm.	Each	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	
	xxii) Croton different varieties of height 30 cm to 90 cm in earthen pots of size 20 cm.	Each	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	
	xxiii) Hibiscus Rosa Sinensis of height 90 cm to 60 cm in earthen pots of size 20 cm.	Each	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	
	xxiv) Hibiscus Rosa Sinensis of height 60 cm to 75 cm in earthen pots of size 35 cm.	Each	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	
	xxv) Hibiscus Variegated of height 60 cm to 75 cm in earthen pots of size 25 cm.	Each	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	
	xxvi) Areca Palm 4 - 5 suckers of height 90 cm to 105 cm in earthen pots of size 25 cm.	Each	127	127	127	127	127	127	127	127	127	127	127	127	127	127	127	
	xxvii) Areca Palm 4 - 5 suckers of height 120 cm to 135 cm in earthen pots of size 25 cm.	Each	163	163	163	163	163	163	163	163	163	163	163	163	163	163	163	
	xxviii) Dracaena (Mahatma) of height 30 cm to 90 cm in earthen pots of size 20 cm.	Each	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	
	xxix) Dracaena (Song of India) of height 30 cm to 90 cm in earthen pots of size 20 cm.	Each	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	
	xxx) Dracaena Fragrance of height 90 cm to 60 cm in earthen pots of size 35 cm.	Each	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	
	xxxi) Dracaena Green of height 30 cm to 90 cm in earthen pots of size 20 cm.	Each	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	

**SECTION 1. -----BUILDING WORKS**

**(T)MISCELLANEOUS WORKS**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri,Alipurdwar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
	xxxii) <i>Dracaena Marginata</i> of height 30 cm to 90 cm in earthen pots of size 20 cm.	Each	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	
	xxxiii) <i>Dracaena Reflexa</i> of height 30 cm to 90 cm in earthen pots of size 20 cm.	Each	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	
	xxxiv) <i>Dracaena Rosea</i> of height 30 cm to 90 cm in earthen pots of size 20 cm.	Each	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	
	xxxv) <i>Dracaena Victoria</i> of height 30 cm to 90 cm in earthen pots of size 25 cm.	Each	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	
	xxxvi) <i>Dracaena Wameckal</i> of height 30 cm to 90 cm in earthen pots of size 20 cm.	Each	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	
	xxxvii) <i>Eranthemum Species</i> of height 30 cm to 90 cm in earthen pots of size 20 cm.	Each	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	
	xxxviii) <i>Hibiscus Rosa sinensis</i> of height 90 cm to 60 cm in earthen pots of size 20 cm.	Each	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	
	<b>II. COMPOUND DEVELOPMENT</b>																	
1	Number plaque of building (plaque size up to 225 mm x 225 mm) made of sand cement plaster (1 : 2) on face of wall or plinth with 50 mm size letters P.W.D and the number of the structure formed thereon (in sunk type) including painting the letters and the number complete as per direction. (Cement - 1 kg/No.)	Each	114	104	104	104	110	107	104	104	110	109	108	121	107	107	110	
2	Petty repairs to number-plaque of building including repainting the letters and the number.	Each	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	
3	Repainting the letters and the number of number plaque of buildings.	Each	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	

**SECTION 1. -----BUILDING WORKS**  
**(T)MISCELLANEOUS WORKS**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri,Alipurdwar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
4	(a) Brick gabion 1.50 m.internal diameter and 1.20m. high with 150 mm. deep solid brick band (in 1:6 cement mortar) at base,125 mm.thick body of jaffry brick work set in cement mortar (1:4) and 150 mm. deep solid brick band at top in cement mortar 1:6 and cement plaster (1:6) (all faces) including colour wash (all surfaces) to the top band and redoxide or similar approved wash (all surfaces) to the remaining portion, complete as per direction.	Each	3853	3500	3252	3252	3754	3696	3637	3362	3618	3598	3598	4376	3578	3578	3637	
	(Cement- 105 Kg/No.)																	
	(b) Mending good damages to brick gabions (with old materials as available and with new materials as necessary) including fresh colour wash and oxide wash to the entire gabion.																	
	(i) When less than half gabion has to be restored.	Each	851	781	741	741	829	816	802	759	809	804	804	944	800	800	813	
	(Cement- 25 Kg/No.)																	
	(ii) When more than half the gabion has to be restored.	Each	1137	1018	974	974	1092	1066	1038	990	1071	1063	1063	1265	1054	1054	1080	
	(Cement- 50 Kg/No.)																	
5	Making gabions from old tar or bitumen drums after cutting strips 75 mm wide x 300 mm long including fitting and fixing in position using 1½ No of drums for each gabion including cost of drums.	Each	384	384	384	384	384	384	384	384	384	384	384	384	384	384	384	
6	Making gabions from old tar or bitumen drums after cutting strips 75 mm wide x 300 mm long including fitting and fixing in position using one number of drums for each gabion including cost of drums.	Each	278	278	278	278	278	278	278	278	278	278	278	278	278	278	278	
7	Brick pavement with 1st class or picked jhama bricks as directed with joints set close in cement mortar (1 :6) and rule/flush pointing with cement mortar (1 : 4)																	

**SECTION 1. -----BUILDING WORKS**  
**(T)MISCELLANEOUS WORKS**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurdwar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
	(i) When laid with a cushion of sand below (including cost thereof).																	
	(a) One brick flat pavement.	Sq. M	421	352	292	292	402	382	369	316	370	366	356	527	358	354	362	
	(Cement- 1.4 Kg/Sq.M)																	
	(b) One brick-on-edge pavement.	Sq. M	702	609	508	508	682	657	641	554	630	625	616	862	618	614	624	
	(Cement- 10.7 Kg/Sq.M)																	
	(c) One brick-on-edge pavement in herring bone pattern.	Sq. M	714	621	519	519	693	668	653	565	642	637	628	874	630	625	636	
	(Cement- 10.7 Kg/Sq.M)																	
	(ii) When laid with cement mortar (1:6) on the under side as well (including cost thereof)																	
	(a) One brick flat pavement.	Sq. M	489	410	348	348	466	443	426	373	434	428	418	604	420	415	427	
	(Cement- 6.4 Kg/Sq.M)																	
	(b) One brick-on-edge pavement.	Sq. M	766	662	560	560	741	713	694	606	689	683	674	934	675	671	684	
	(Cement- 15 Kg/Sq.M)																	
	(c) One brick-on-edge pavement in herring bone pattern.	Sq. M	782	678	576	576	757	729	710	622	705	699	690	950	691	687	700	
	(Cement- 15 Kg/Sq.M)																	
8	Taking out stone slabs of flat V-shaped drain of road side and resetting the same to correct line and level with cement mortar (1 : 4) including cement pointing (1 :2)																	
	(a) Vertical kerb stone.	Mtr.	31	29	29	29	30	30	29	29	30	30	30	33	30	30	31	
	(Cement- 1.25 Kg/M)																	
	(b) Flat channel stone.	Mtr.	49	46	46	46	48	47	46	46	48	47	47	51	47	47	48	
	(Cement- 1.75 Kg/M)																	
9	Renewing cement pointing (1 :2) in joints of flat V-shaped road side drain made of kerb stone and channel stone including opening up and cleaning the joints properly.	%Mtr.	504	480	477	477	493	486	480	477	493	491	493	524	491	491	497	
	Cement- (26 Kg/100 M)																	

**SECTION 1. -----BUILDING WORKS**  
**(T)MISCELLANEOUS WORKS**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurdwar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
	(Payment to be made on length of drain pointed i.e. kerb stone and channel stone taken together.)																	
10	Supplying (in bulk) at depots as directed boundary pillars 0.9m. high 27 cm. dia at base and 22.5m. dia at top with chamfered flat face on the top with sunk inscription thereon complete with top 45cm length finished smooth with cement rendering or thin plaster (1:3) but without any wash or painting.																	
	(No Departmental cement will be issued)																	
	a) Made of cement concrete 1:3:6 with jhama chips	Each	242	212	212	212	212	212	212	212	212	212	212	222	212	212	212	
	b) Made of cement concrete 1:3:6 with stone chips or gravel	Each	284	248	248	248	248	248	248	248	248	248	248	261	248	248	248	
11	Fitting and fixing boundary pillar in correct position as directed with embedment of 60 cm. into the ground including making hole in ground and repacking the same thoroughly and carriage of the boundary pillar to site.																	
	a) With carriage upto 150 metre	Each	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	
	(When the pillar are delivered near the area by departmental carriage)																	
	b) With carriage beyond 150 metre and upto 3.00 Km	Each	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	
	c) With carriage beyond 3.00 Km and upto 8.00 Km	Each	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	
12	White wash or colour wash to boundary pillar and painting as directed.	Each	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	

**SECTION 1. -----BUILDING WORKS**  
**(T)MISCELLANEOUS WORKS**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurdwar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
13	Supplying (in bulk), at depots as instructed R.C.guard posts (with cement concrete 1:2:4 with stone chips and normal reinforcement), 1.35m. long and of octagonal section measuring 20 cm. accross opposite flat surfaces at the base tapering to corresponding dimension of 15 cm. at the top and with top and face level finished complete as per direction, including smooth finishing to the top 90 cm. length with cement rendering of thin plaster 1:3 but excluding painting.	Each	254	266	266	266	266	266	266	266	266	266	266	266	266	266	266	
	(No Departmental cement will be issued)																	
14	Fitting and fixing guard post in correct position as directed, true to line and level with embedment of 53 cm. to 68 cm. (as directed) into the ground including making hole, repacking the same thoroughly and including carriage of the guard post of the site.																	
	a) With carriage upto 150 metre	Each	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	
	(When the pillar are delivered near the area by departmental carriage)																	
	b) With carriage beyond 150 metre and upto 3.00 Km	Each	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	
	c) With carriage beyond 3.00 Km and upto 8.00 Km	Each	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	
15	Painting guard post with horizontal alternate bands in different colours as directed with approved oil-bound paint.																	
	a) One coat	Each	40	40	40	40	40	40	40	40	40	40	40	41	40	40	40	
	b) Two coats	Each	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	
16	Painting the vertical end faces and the inside face of pillar or railing or parapet (1.05 m. to 1.75 m. high) with horizontal alternate bands in different colours, as directed with approved oil-bound paint.																	
	(Length of each band ranging between 0.75 m. and 1.2 m.)																	
	a) One coat	Each	47	47	47	47	47	47	47	47	47	47	47	48	47	47	47	

**SECTION 1. -----BUILDING WORKS**

**(T) MISCELLANEOUS WORKS**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) / Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurdwar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
	b) Two coats	Each	67	67	67	67	67	67	67	67	67	67	67	68	67	67	67	
17	Painting block letters or digits in Black Japan or any approved paint as per direction.																	
	a) Size 2 cm. to 2.5 cm.	Each	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	
	b) Size above 2.5 cm. and upto 4 cm.	Each	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	
	c) Size above 4 cm. and upto 5 cm.	Each	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
	d) Size above 5 cm. and upto 7.5 cm.	Each	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	
	e) Size above 7.5 cm. and upto 10 cm.	Each	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	
	f) Size above 10 cm. and upto 12.5 cm.	Each	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	
	g) Size above 12.5 cm. and upto 15 cm.	Each	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	
	h) Size above 15 cm. and upto 20 cm.	Each	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	
	<b>NB.:</b> <b>The above rates will be enhanced by 100% if the letters are engraved and painted.</b>																	
18	Stone set pavement with the joints set close in cement mortar (1:6) excluding the cost of stone sets but including the cost of carriage thereof within a lead of 150 m.																	
	(i) When laid with a cushion of sand below (including cost thereof).																	
	(a) 100 mm thick pavement	Sq.m.	59	39	37	37	48	40	31	31	45	43	34	85	39	34	37	
	(b) 125 mm thick pavement.	Sq.m.	66	45	44	44	55	46	38	38	52	49	41	91	45	41	44	
	(ii) When laid with cement mortar (1:6) on the underside as well (including cost thereof).																	
	(a) 100 mm thick pavement	Sq.m.	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	
	(b) 125 mm thick pavement.	Sq.m.	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	
19	Clearing compound premises of shrubs, plants, jungles etc. by cutting and removing as directed (Specific permission of Engineer-in-Charge prior to execution will be necessary). <b>(Payment to be made on area cleared)</b>	Sq.m.	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	
	<b>III. EVENT MANAGEMENT</b>																	



**SECTION 1. -----BUILDING WORKS**

**(T)MISCELLANEOUS WORKS**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jaipuriguri,Alipurdwar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
1	Hire and labour charges for 75 mm dia bamboo railing on Jhau/Eucalyptus or other approved timber posts 1.4 m above G.L. and 0.60 m below G. including tying strongly with coir ropes and boring holes for posts in any soil/ concrete surface/Bituminious surface packing the sides etc including cost of carriage of all materials and labour complete including cost of restoration to the damages of the ground to its original condition as per direction of Engineer in charge after removing the barricade. (Cost of restoration would be paid separately.)																	
	(a) 75mm. dia bamboo railing & 125mm. dia Jhau/Eucalyptus/other approved timber posts @ 1.60m apart																	
	(i) Railing with 4 rows.	Mtr.	57	56	56	56	57	57	56	56	56	56	56	57	56	56	56	
	(ii) Railing with 3 rows.	Mtr.	49	48	48	48	49	48	48	48	48	48	48	49	48	48	48	
2	Hire and labour charges for 100 mm dia bamboo railing on Jhau/Eucalyptus post 1.40 m above G.L and 0.60 m below G.L tied strongly with bamboo railing with coir rope, digging holes for posts in any sort of soil or concrete surface packing the sides etc including cost of carriage of all materials and labour complete including cost of restoration to the damages of the ground to its original condition as per direction of Engineer- in- charge after removing the barricade. (Cost of restoration to be paid separately)																	
	(a) 100 mm. dia bamboo railing and 150 mm. dia. Jhaubullah/Eucalyptus posts @ 1.80 m. apart.																	
	(i) Railing with 4 rows.	Mtr.	82	80	79	79	81	79	79	79	80	80	80	81	80	80	80	
	(ii) Railing with 3 rows.	Mtr.	68	67	66	66	68	66	66	66	67	67	67	68	67	67	67	

**SECTION 1. -----BUILDING WORKS**

**(T)MISCELLANEOUS WORKS**

Item No.	Description of Items	Unit	Rate (Rs.)														REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri,Alipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	
3	Hire and labour charges for 100 mm dia bamboo railing on 150 mm dia Jhau/Eucalyptus or other approved timber posts each 2.0 m in length, tied 2 number post strongly with coir ropes in the fashion of a <b>scissor</b> with a spacing of 1.8 m over pacca road without damaging the surface and tying strongly 3 (three) rows of bamboo railing on each leg and 1 (one) railing connecting all the top junctions including cost of loading unloading, stacking & carriage of all materials and labour complete, clearing the site as per direction of Engineer in charge after removing the barricade.																
	100mm. dia bamboo railing & 150mm.dia Jhau/Eucalyptus/other approved timber posts with 1.8 m spacing.																
	(i) Railing 4 row on each leg and 1 at pivot point.	Mtr.	185	181	179	179	183	179	179	179	181	181	181	183	181	181	181
	(ii) Railing 3 row on each leg and 1 at pivot point.	Mtr.	163	161	157	157	163	157	157	157	161	161	161	163	161	161	161
4	Hire and labour charges for 75 mm dia bamboo railing on 125mm dia Jhau/Eucalyptus or other approved timber 1.4 m above G.L. and 0.60 m below G. including tying strongly with coir ropes and boring holes for posts in any soil /black top/concrete surface, packing the sides etc including cost of carriage of all materials and labour complete and maintaining barricading for a period beyond 5(five) days after the reported & recorded time of completion of the entire work to the satisfaction of Engineer-in-charge,including restoration to the damages of the ground to its original condition as per direction of Engineer in charge after removing the barricade. [Cost of restoration would be paid separately.]																
	75mm. dia bamboo railing & 125mm. dia Jhau/Eucalyptus/other approved timber posts @ 1.60m apart																

**SECTION 1. -----BUILDING WORKS**

**(T)MISCELLANEOUS WORKS**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri,Alipurdwar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
	(i) Railing with 4 rows.	Mtr.	102	99	98	98	101	98	98	98	99	99	99	101	99	99	99	
	(ii) Railing with 3 rows.	Mtr.	86	83	82	83	85	82	82	82	83	83	83	85	83	83	83	
5	Hire and labour charges for 100mm dia bamboo railing on 150mm dia Jhau/Eucalyptus or other approved timber 1.4 m above G.L. and 0.60 m below G.L. including tying strongly with coir ropes and boring holes for posts in any soil /black top/concrete surface, packing the sides etc. including cost of carriage of all materials and labour complete and maintaining barricading for a period beyond 5(five) days after the reported & recorded time of completion of the entire work to the satisfaction of Engineer-in-Charge, including restoration to the damages of the ground to its original condition as per direction of Engineer-in -Charge after removing the barricade. [Cost of restoration will be paid separately.]																	
	100 mm. dia bamboo railing & 150mm. dia Jhau/Eucalyptus/other approved timber posts @ 1.80m apart																	
	(i) Railing with 4 rows.	Mtr.	106	104	103	103	105	103	103	103	104	104	104	105	104	104	104	
	(ii) Railing with 3 rows.	Mtr.	89	88	85	87	89	85	85	85	88	88	88	89	88	88	88	

**SECTION 1. -----BUILDING WORKS**

**(T)MISCELLANEOUS WORKS**

Item No.	Description of Items	Unit	Rate (Rs.)														REMARKS
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6	Hire and labour charges for 100 mm dia bamboo railing on 150 mm dia Jhau/Eucalyptus or other approved timber posts each 2.0 m in length, tied 2 number post strongly with coir ropes in the <b>fashion of a scissor</b> with a spacing of 1.8 m over pacca road without damaging the surface and tying strongly 3 (three) rows of bamboo railing on each leg and 1 (one) railing connecting all the pivot junctions including cost of loading unloading, stacking & carriage of all materials and labour complete, and maintaining barricading for a period beyond <b>5 (five) days</b> after the reported & recorded time of completion of the entire work to the satisfaction of Engineer-in-charge. (Note: This work should not be executed without specific permission of Superintending Engineer)																
	100 mm. dia bamboo railing & 150mm. dia Jhau/Eucalyptus/other approved timber posts @ 1.80m apart																
	(i) Railing 4 row on each leg and 1 at pivot point.	Mtr.	200	196	194	194	198	194	194	194	196	196	196	198	196	196	196
	(ii) Railing 3 row on each leg and 1 at pivot point.	Mtr.	178	176	171	174	178	171	171	171	176	176	176	178	176	176	178
7	Hire and labour charges for coir rope fencing 25 mm dia rope single on 120 m dia bamboo posts 1.40 m above G.L and 600 mm below G.L 1.50 m apart including digging holes complete	Mtr.	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
8	Hire and labour charges for coloured and twisted cloth rope fencing as per design approved by Engineer-in-charge one line with 100 mm dia Eucalyptus or bamboo posts 0.60 m above G.L and 300 mm below G.L 1.50 m apart fitted and fixed complete including painting with white zinc painting (2 coat) complete.Payment of Painting to be made separately.	Mtr.	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20

**SECTION 1. -----BUILDING WORKS**

**(T)MISCELLANEOUS WORKS**

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			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri,Alipurdwar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
9	Labour for fitting and fixing special type M.S calmp with necessary wooden packing to Elec. Lamp post upto 7.60 m height with necessary scaffolding and tightening the bolts and nuts and one coat of white painting complete including dismantling the clamps and depositing the same to P.W.D office after the foundation.	Each	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	
10	Labour charges for fitting and fixing flag up to 1.80 m x 1.20 m size in the special type clamp including sticking the flag as necessary with scaffolding upto 7.6 m and lowering down the flag immediately after the function and depositing the same to Government offices ( <b>Lowering down of the flag to be completed in the afternoon on the date specified by Engineer in charge</b> ).	Each	154	154	154	154	154	154	154	154	154	154	154	154	154	154	154	
11	Hire and labour charges for erecting temporary latrine and urinals with thick canvas (new) walling fitted and fixed with strong bamboo frames and posts including cutting drain, making seats with porcelain pans and urinals as directed with hire charges completed. ( <b>Payment to be made on the covered ground area between temporary wallings. One basin or pan or urinal to be fixed for every 3 sq m covered area or part.</b> )	Sq. M	274	274	274	274	274	274	274	274	274	274	274	274	274	274	274	
12	Hire and labour for erecting new thick canvas shade 6.10 m x 3.70 m with roof covering with strong bamboo frame for 2 nos ladies cloak room with canvas on all sides as per direction of Engineer- in -charges including maintaining the shades as required including fitting and fixing white squatting urinals and one pan complete with drainage as directed.	Set	5850	5850	5850	5850	5850	5850	5850	5850	5850	5850	5850	5850	5850	5850	5850	

**SECTION 1. -----BUILDING WORKS**

**(T)MISCELLANEOUS WORKS**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri,Alipurdwar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
13	Supplying on hire "Garden" chairs during function and arranging those properly on ground as per direction of Engineer- in- charge including carriage of chairs to site, their retention till the end of the function and their removal after conclusion of function including cost of all labour and material complete.	Each	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	
14	Supplying on hire basis cushioned chairs for VIPs arranging properly on the dias as per direction of Engineer- in -charge including carriage of chairs etc complete.	Each	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	
15	Lifting up bodily (1.5 x 0.9 x 0.9) meters wooden work bench table with drawers or reagent racks along with sink and waste pipe and removing the same outside the room carefully without disturbing or damaging other furniture and resetting again after completion of channel drain construction.	Each	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	
16	Hire and labour charges for providing "Drop Gate" with 15 cm dia salbullah of length not less than 8 meter including hoisting and fitting fixing with bolts and nuts to vertical posts (100 mm dia : 2 nos on each flank embedded 750 mm below G.L) and providing counter load of concrete or stone or iron block at the fulcrum end including painting two coats in alternate band providing 'STOP' plate, jute rope of necessary length etc complete including dismantling and removal as per direction of the Engineer in charge.	Each	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626	
17	Labour charge for hoisting and fitting fixing drop gate including carriage of the gate by parts from the departmental godown / stack yard and dismantling and returning the gate to the place of supply as per direction of the Engineer in charge	Each	614	614	614	614	614	614	614	614	614	614	614	614	614	614	614	

**SECTION 1. -----BUILDING WORKS**

**(T)MISCELLANEOUS WORKS**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri,Alipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
18	Supplying sign-board made of 25 mm thick sal plank with frame on all side of sal batten 50 mm x 32 mm with nailed on post 3.15mx100mmx100mm and fitting fixing such with digging holes of dia 300 mm and depth 750 mm in all sorts of soil and repacking and consolidating the gap around the post with cement concrete (1 : 3 : 6) painting 2 coats including cost of nails, bolts and nuts etc. complete in all respect as per direction of the Engineer-in-charge.Payment of concrete and painting to be made separately.																	
	(i) 600 mm. x 450 mm. size of board.	Each	427	427	427	427	427	427	427	427	427	427	427	447	427	427	427	
	(ii) 900 mm. x 600 mm. size of board.	Each	813	758	808	756	804	782	777	736	768	766	787	859	785	785	790	
	<b><u>B. MAINTENANCE WORKS</u></b>																	
1	Repairing crack in wall by cement grouting (1 : 2) including widening the crack on the surface (into V section) cleaning and packing the same with cement mortar (1 : 2) and finishing off to match with adjacent surface. (Cement-69 Kg/100 m)	%Mtr.	1360	1301	1296	1296	1333	1317	1301	1296	1333	1328	1335	1410	1330	1330	1345	
2	(A) Stitching crack in brick wall by carefully cutting out face brick 125 mm. deep into the wall, cleaning the gap and filling up the same with precast cement concrete block carefully set in cement mortar (1:3) including mending good damages and finishing the surface to match with adjacent areas complete as per direction.																	
	(i) With plain cement concrete blocks(1:1½:3) with stone chips.																	
	(a) Block size 250 x 125 x 75 mm. (Cement-1.85 Kg/No.)	Each	86	84	84	83	85	84	85	84	85	85	84	90	85	86	87	
	(b) Block size 250 x 125 x 150 mm. (Cement-2.5 Kg/No.)	Each	100	97	97	95	98	97	99	97	99	99	96	106	99	101	101	

**SECTION 1. -----BUILDING WORKS**

**(T)MISCELLANEOUS WORKS**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri,Alipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
	(ii) With reinforced cement concrete blocks (1:1½:3) with stone chips and nominal reinforcement.																	
	(a) Block size 250 x 125 x 75 mm.	Each	106	104	104	103	105	104	105	104	105	105	104	110	106	107	107	
	(Cement-1.85 Kg/No.)																	
	(b) Block size 250 x 125 x 150 mm.	Each	127	124	123	121	124	124	125	124	125	125	123	133	127	128	129	
	(Cement-2.5 Kg/No.)																	
	(B) Stitching crack in brick wall by carefully cutting out face brick 250 mm. long, 75 mm. thick and 125 mm deep into the wall,cleaning the gap and filling up the same with sound new brick, carefully set in cement mortar (1:3) including mending good damages and finishing the surface to match with adjacent areas complete as per direction.	Each	42	39	37	37	41	40	40	38	40	40	40	47	40	40	40	
	(Cement-1 Kg/No.)																	
	(C) Renewing weathered face brick including taking out the old brick completely and setting the head brick carefully in cement mortar (1:3) complete,including making good all damages.																	
	(i) In stretcher course. ( Cement-0.75 Kg/No.)	Each	37	33	31	31	35	34	34	32	34	34	34	41	34	34	35	
	(ii) In header course- ( Cement-1.0 Kg/No.)	Each	38	35	33	33	37	36	35	34	36	36	36	42	36	36	36	
3	(iii) In header course with the new brick projecting 62 mm. to 225 mm. from the wall surface (Cement-0.5Kg/No.)	Each	33	30	29	29	32	32	31	29	31	31	31	36	31	31	31	
	Renewing ornamental baluster (Balustrade) as per design including mending good all damages complete.																	
	(a) With baluster of burnt clay (floral or intricate pattern of height not exceeding 1200 mm.)	Each	275	275	275	275	275	275	275	275	275	275	275	285	275	275	275	



**SECTION 1. -----BUILDING WORKS**

**(T)MISCELLANEOUS WORKS**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri,Alipurdwar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
	(b) With baluster of plain cement concrete with (1:1½:3) with stone chips(floral or intricate pattern of height not exceeding 1200 mm.)	Each	300	300	300	300	300	300	300	300	300	300	300	311	300	300	300	
	(c) With baluster of plain cement concrete with jhama chips (1:3:6) (floral or intricate pattern of height not exceeding 1200 mm.)	Each	262	262	262	262	262	262	262	262	262	262	262	271	262	262	262	
	(d) With baluster of cement concrete (1:1½:3) with stone chips and with nominal reinforcement (floral or intricate pattern height not exceeding 1200 mm.)	Each	354	354	354	354	354	354	354	354	354	354	354	367	354	354	354	
4	Vertical sleeve joint in wall etc. or horizontal joint in floor roof etc. including shaping and finishing adjacent surface and caulking the joint with hemp rope thoroughly soaked in bituminous material and fixing rope in position by staples or other suitable devices complete as per direction (including cost of all materials)																	
	(Payment to be made on length of rope caulking)																	
	(a) With 10 mm. dia rope	Mtr.	44	44	44	44	44	44	44	44	44	44	44	45	44	44	44	
	(b) With 12 mm. dia rope	Mtr.	47	47	47	47	47	47	47	47	47	47	47	49	47	47	47	
	(c) With 16 mm. dia rope	Mtr.	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	
	(d) With 19 mm. dia rope	Mtr.	57	57	57	57	57	57	57	57	57	57	57	58	57	57	57	
5	Expansion joint in floor roof etc. formed with V strips made of 22.5 cm wide strips of 24 gauge aluminium sheets with anchor arm projecting on each side (and end turned ) embedded in adjacent cement concrete, including shaping and finishing the edges on either side of the joint (including the cost of bituminous filler if any) complete as per direction of Engineer-in-Charge.	Mtr.	325	325	325	325	325	325	325	325	325	325	325	340	325	325	325	
6	Bituminous filler of approved type in expansion joints of dummy joints including finishing the top surface as directed.	Cum	46603	46603	46603	46603	46603	46603	46603	46603	46603	46603	46603	48697	46603	46603	46603	

**SECTION 1. -----BUILDING WORKS**

**(T)MISCELLANEOUS WORKS**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurdwar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
	<i>(The quantam should be corrected upto three decimals)</i>																	
7	Sealing new expansion joint with Elastomeric Polysulphide Sealant of gap size 50mm X 25mm Including cleaning of the expansion joint thoroughly, mending of edges & surface, placing 50mm dia Backer rod as back up material with the cost of materials, labours, & all other incidental charges as per manufacturer's specification & direction of Engineer-in-charge.	Mtr.	792	792	792	792	792	792	792	792	792	792	792	792	792	792	792	
8	Renewing expansion joint with Elastomeric Polysulphide Sealant of gap size 50mm X 25mm Including cleaning of the expansion joint thoroughly, mending of edges & surface, placing 50mm dia Backer rod as back up material with the cost of materials, labours, & all other incidental charges as per manufacturer's specification & direction of Engineer-in-charge.	Mtr.	806	806	806	806	806	806	806	806	806	806	806	806	806	806	806	
9	Labour for propping up overhead members as a precautionary measure against falling as directed with necessary planks, Eucalyptus props, packing nails, wire ropes, iron wires etc. including hire charges of all materials fitting, fixing dismantling and removing the props etc and all ancillary works in this connection complete.	Cum	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	
	<i>(Payment to be made on volume measurement considering the hight and contact area)</i>																	
10	Uprooting and removing plants from the surface of walls parapet etc and making good damages. (Repairing of damages to be paid separately).																	
	(a) Small plant of girth of exposed stem upto 75 mm. lift upto 6 mtr.	Each	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	
	(b) Medium size plant of girth of exposed stem above 75 mm. but not exceeding 150 mm. lift upto 6 mtr.	Each	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	
	(c) Large plant of girth of exposed stem above 150 mm. but not exceeding 225 mm. lift upto 6 mtr.	Each	187	187	187	187	187	187	187	187	187	187	187	187	187	187	187	

**SECTION 1. -----BUILDING WORKS**  
**(T)MISCELLANEOUS WORKS**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurdwar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
	Note : For lift beyond initial 6 mtr. the rate will be increased @ 20% for each additional lift if 6 mtr. or part thereof																	
11	Removing scum form the bottom floor of service latrine washing the floor thoroughly and treating the same with liberal sprinkling of bleaching powder (including cost of bleaching power)	Sq. M	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	
	(Payment to be made on affected area of floor)																	
12	Cleaning and removing conservancy garbage mixed with rubbish & other filthy materials from the road side flank, drain and compound including cutting, loading, unloading to and from truck or cart by Mathor labour & removing the same to any distance.	%Cum	5662	5662	5662	5662	5662	5662	5662	5662	5662	5662	5662	5662	5662	5662	5662	

**Section 1.....BUILDING WORKS**

**(U) - Additional Items**

Item No.	Description of Items	Unit	Rate (Rs.)														REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurdwar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	
1	Supplying and laying true to line and level <b>Anti-Skid, Full Body, Homogeneous &amp; Granular finish Vitrified Tiles</b> conforming to IS:15622-2006 & IS 4457-2007 and testing shall be made in accordance with IS:13630 [Non- modular sizes for tiles with Skid resistance > 0.5, Mohr's hardness > 5.0, Staining resistance: Class-I, Water Absorption: E < 0.5%], MOR > 35 N/sq.mm <b>in Internal area of building</b> e.g. Toilet Block, Passage, Corridor, Accessible Open Terrace etc. set in 20 mm sand cement mortar (1:4) and 2 mm thick cement slurry at back side of tiles using cement @ 2.91 Kg./Sqm or using Polymerised Adhesive (6 mm thick layer applied directly over finished artificial stone floor/ Mosaic etc without any backing course) laid after application slurry using 1.75 Kg of cement per Sqm below mortar only, joints grouted with admixture of white cement and colouring pigment to match with colour of tiles/ epoxy grout materials of approved make as directed and removal of wax coating of top surface of tiles with warm water and polishing the tiles using soft and dry cloth upto mirror finish complete including the cost of materials, labour and all other incidental charges complete true to the manufacturer's specification and direction of Engineer-in-Charge. (White cement, synthetic adhesive and grout material to be supplied by the contractor).																
	a) In Ground Floor: Sizes-300 mm x300mm x10 mm with breaking strength > 1200 N	sqm	897	897	897	897	897	897	897	897	897	897	897	897	897	897	
	b) In Ground Floor: Sizes-600 mm x600mm x10 mm with breaking strength > 1500 N	sqm	1580	1580	1580	1580	1580	1580	1580	1580	1580	1580	1580	1580	1580	1580	
	Note: Add extra for each addl. floor over the rate above Ground Floor (I) upto 4 th floor- Rs. 12/-per Sq.m (II) above 4th floor -Rs. 16/- per Sq.m																

**Section 1.....BUILDING WORKS**

**(U) - Additional Items**

Item No.	Description of Items	Unit	Rate (Rs.)														REMARKS	
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurdwar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS		Uttar/ Dakshin Dinajpur Dist.
2	Supplying and laying true to line and level <b>High Grip, Scratch resistant, Neutral to UV rays, Full Body Vitrified Tiles</b> conforming to IS:15622-2006 & IS 4457-2007 and tested in accordance with IS:13630 [Non- modular sizes for tiles with Skid resistance: 0.6, Mohr's hardness > 7.0, Staining resistance: Class-I, Water Absorption E < 0.5%] & MOR > 35N/sq.mm and Breaking strength > 1500 N for <b>Outdoor area of building</b> e. g. Gang-way, Corridor, Driveway, Parking lots, Courtyards, Sloping ramps, Entrance lobbies, Patios, Portico etc. set over necessary underlay and 2 mm thick cement slurry at back side of tiles using cement @ 2.91 Kg./Sqm, joints grouted with admixture of white cement and colouring pigment to match with colour of tiles and removal of wax coating of top surface of tiles with warm water and cleaning the tiles using soft and dry cloth complete including the cost of materials, labour and all other incidental charges complete including backside slurry but excluding the cost of underlay and true to the manufacturer's specification and direction of Engineer-in-Charge.																	
	In Ground Floor: Sizes-300 mm x 300 mm x10 mm	sqm	785	785	785	785	785	785	785	785	785	785	785	785	785	785	785	785

**Section I.....BUILDING WORKS**

**(U) - Additional Items**

Item No.	Description of Items	Unit	Rate (Rs.)														REMARKS	
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurdwar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS		Uttar/ Dakshin Dinajpur Dist.
3	Supplying and laying true to line and level <b>Tactile Finish Scratch resistant, Neutral to UV rays, Non-fade, High Slip Resistant Full Body Vitrified Tiles</b> conforming to IS:15622-2006 & IS :4457- 2007 and tested in accordance with IS:13630 [Non- modular sizes for tiles with Skid resistance: 0.6, Mohr's hardness > 7.0, Staining resistance: Class-I, Water Absorption E < 0.5%], MOR > 38N/sq.mm & Breaking strength > 4000 N for <b>Outdoor area of building</b> e. g. Driveway, Pathway, Pavements, Parking lots, Sloping ramps, Entrance lobbies, Patios, Portico, swimming pool enclosure, Bus Passenger Shed & directing visually impaired persons, set over necessary underlay and 2 mm thick cement slurry at back side of tiles using cement @ 2.91 Kg./Sqm, joints grouted with admixture of white cement and colouring pigment to match with colour of tiles and removal of wax coating of top surface of tiles with warm water and cleaning the tiles using soft and dry cloth complete including the cost of materials, labour and all other incidental charges complete including backside slurry but excluding the cost of underlay and true to the manufacturer's specification and direction of Engineer-in-Charge.																	
	In Ground Floor: Sizes-300 mm x 300 mm x15 mm	sqm	1768	1768	1768	1768	1768	1768	1768	1768	1768	1768	1768	1768	1768	1768	1768	
	Note: Add extra for each addl, floor over the rate above Ground Floor for item 1,2 & 3 (I) upto 4 th floor- Rs. 12/-per Sq.m (II) above 4th floor -Rs. 16/- per Sq.m																	

**Section I.....BUILDING WORKS**

**(U) - Additional Items**

Item No.	Description of Items	Unit	Rate (Rs.)														REMARKS	
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS		Uttar/ Dakshin Dinajpur Dist.
4	Supplying fitting & fixing frames for Fire resistant door shutters made of 1st class Malaysian Hardwood (densified to 810 kg/cum) and pressure treated with fire retardant chemicals in vacuum impregnation vessel under 160 psi pressure as per IS:401 and kiln seasoned to moisture below 15% as per IS:1141 of section 120 mm X 70 mm spray quoted with 2 coats of intumescent paint of minimum 200 micron, with single row of Brush- Type intumescent strip of size 10 mmx 4 mm affixed in the slit of the Frame for fire and smoke sealing, etc. complete as per direction of Engineer -inCharge including a protective coat of painting at the contact surfaces of the frame excluding cost of concrete,Iron butt hinges and M.S clamp at Ground Floor. [Note : Specific permission of the Superintending Engineer is required for execution of this item]	m	1104	1110	1110	1110	1104	1110	1110	1110	1110	1110	1119	1123	1119	1123	1119	
5	Supplying fitting & fixing frames for <b>Fire resistant acoustic door shutters</b> 1st class Malaysian Hardwood Frame (densified to 810 kg/cum) and pressure treated with fire retardant chemicals in vacuum impregnation vessel under 160 psi pressure as per IS:401and kiln seasoned to moisture below 15% as per IS:1141 of section 120 mm X 70 mm spray quoted with 2 coats of intumescent paint of minimum 200 micron, with standard double acoustic seal (equivalent to Hafele) placed along two faces of rebate for sound insulation and single row of Brush- Type intumescent strip of size 10 mmx 4 mm affixed in the slit of the Frame for fire and smoke sealing, etc. complete as per direction of Engineer -inCharge including a protective coat of painting at the contact surfaces of the frame excluding cost of concrete,Iron butt hinges and M.S clamp at Ground Floor. [Note : Specific permission of the Superintending Engineer is required for execution of this item. ]	m	1509	1515	1515	1515	1509	1515	1515	1515	1515	1515	1524	1529	1524	1529	1524	
	Note: Add extra for each addl, floor over the rate above Ground Floor for item 4,5 & 11 (I) upto 4 th floor- Rs. 1.00/- per m (II) above 4th floor -Rs. 1.50/- per m																	

**Section 1.....BUILDING WORKS**

**(U) - Additional Items**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata /24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurdwar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
6	Supplying & fitting of 55mm thick asbestos free - fire, heat and smoke resistant composite Fire check Door Shutter complying with fire performance-FD120 as per IS:3614 (part -II)-comprising of 2x8 mm Calcium Silicate boards over Chemically treated (with Fire retardant chemicals in pressure impregnation vessels under 160 psi pressure as per IS:401 and kiln seasoned to moisture below 15% as per IS:1141) internal timber (Malaysian Hard Wood, densified to 810 kg/cum ) frame work of 100 mm x32 mm with 32mm thick infill of ceramic fiber (density 128Kg/cum), vermaculite mix faced with 3 mm Fire retardant High Density fire board, internally lipped with hardwood beading, and pasted in Hydraulic Press under 25 MPa, spray coated with 2 coats of in-tumescant paint of minimum 300 micron, and with single row of Brush- Type intumescant strip of size 10 mm x 4 mm affixed on peripheral slit on all edges of shutter except bottom for fire and smoke sealing , without any external lipping including fitting fixing shutters in position but excluding the cost of hinges & other fittings as per direction of Engineer -in -charge complete in all respect in Ground Floor. [Note : Specific permission of the Superintending Engineer is required for execution of this item. ]	Sqm	8553	8570	8570	8570	8553	8570	8570	8570	8570	8570	8595	8609	8595	8609	8595	



**Section 1.....BUILDING WORKS**

**(U) - Additional Items**

Item No.	Description of Items	Unit	Rate (Rs.)													REMARKS		
			Kolkata /24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS		Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.
7	Supplying & fitting of <b>65mm thick asbestos free - fire, heat and smoke resistant composite Accoustic Door Shutter</b> complying with fire performance-FD120 as per IS:3614 (part -II)-comprising of 2x 8 mm Calcium Silicate boards over Chemically treated (with Fire retardant chemicals in pressure impregnation vessels under 160 psi pressure as per IS:401 and kiln seasoned to moisture below 15% as per IS:1141) internal timber (Malaysian Hard Wood,densified to 810kg/cum ) frame work of 100 mm x32 mm with 32mm thick infill of ceramic fiber (density 128Kgs/cum), vermaculite mix faced with 6 mm Fire retardant High Density fire board, internally lipped with hardwood beading, and pasted in Hydraulic Press under 25 MPa, spray coated with 2 coats of in-tumescent paint of minimum 200 micron, and with 1 row of Brush- Type intumescent strip of size 10mmx 4mm affixed on peripheral slit on all edges of shutter except bottom for fire and smoke sealing and placement of 3 mm thick rubber membrane, at the inside face, sandwiched between calcium silicate board & high density fire retardant board , without any external lipping including fitting fixing shutters in position but excluding the cost of hinges & other fittings as per direction of Engineer -in -charge complete in all respect in Ground Floor. [Note : Specific permission of the Superintending Engineer is required for execution of this item. ]	Sqm	11319	11336	11336	11336	11319	11336	11336	11336	11336	11336	11361	11375	11361	11375	11361	
	Note: Add extra for each addl, floor over the rate above Ground Floor for item 6,7 &13 (I) upto 4 th floor- Rs. 12/-per Sq.m (II) above 4th floor -Rs. 16/- per Sq.m																	

**Section I.....BUILDING WORKS**

**(U) - Additional Items**

Item No.	Description of Items	Unit	Rate (Rs.)														REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurdwar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	
8	80 mm thick interlocking <b>designer concrete paver block M-40 grade</b> for medium-traffic zone & utility cuts on arterial roads etc. as per IS: 15658-2006 (over 20-40 mm medium sand bed on 250mm thk WBM/ WMM base course & 250 mm thk bound gnaular/ granular sub-base course & filling the interstices of blocks with fine sand by brooming & subsequent watering including cost of sand for sand bed but excluding cost of base, sub-base course & subgrade preparation.) complete as per direction of Engineer-in-Charge. [Note: Subgrade CBR shouldnot be less than 5]																
	Grey	Sqm	1607	1375	1354	1354	1501	1438	1375	1354	1501	1480	1463	1769	1442	1442	1505
	Colour Decorative	Sqm	1756	1524	1503	1503	1651	1587	1524	1503	1651	1629	1612	1917	1591	1591	1654
9	100 mm thick interlocking <b>designer concrete paver block M-50 grade</b> for high-traffic zone, bus terminus, industrial complex, mandi houses etc. as per IS: 15658-2006 (over 20-40 mm medium sand bed on 250mm thk WBM/ WMM base course & 250 mm thk bound gnaular/ granular sub-base course & filling the interstices of blocks with fine sand by brooming & subsequent watering including cost of sand for sand bed but excluding cost of base, sub-base course & subgrade preparation.) complete as per direction of Engineer-in-Charge. [Note: Subgrade CBR shouldnot be less than 5]																
	Grey	Sqm	1937	1705	1684	1684	1831	1768	1705	1684	1831	1810	1793	2098	1772	1772	1835
	Colour Decorative	Sqm	2086	1854	1833	1833	1981	1917	1854	1833	1981	1960	1942	2247	1921	1921	1984

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Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurdwar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
10	Supplying, fitting and fixing <b>PUF Insulated sandwich 60 mm thick &amp; 1.0 m wide wall panels</b> having PUR (density $40 \pm 2$ kg/cum & self extinguishing) conforming to IS:12436-1988 as core material with pre painted Galvanised sheet conforming to IS:14246-1995 of minimum thickness 0.5mm & minimum yield stress 240 MPa with Zinc coating of minimum 120 gsm as per IS:277-1992 as skin on both faces affixed by self-bonding to generate minimum adhesive strength (foam to steel) $2.9 \text{ kg/cm}^2$ duly protected by 5-7 micron epoxy primer on both faces & polyester top coat of 15- 18 micron and shall be vertically joined together by tongue & groove joints & cam locks spaced @ 1m c/c along the joints to form a continuous wall and fixed by self-tapping GI screws with requisite length & number to the peripheral frame through 'U' tracks/ rivets etc complete in all respects as per direction of the Engineer-in-Charge.																	
	60 mm thickness	Sqm	2185	2185	2185	2185	2185	2185	2185	2185	2185	2185	2185	2185	2185	2185	2185	
11	Supplying, fitting and fixing <b>PUF insulated sandwich roof panels</b> of total thickness not less than 30 mm having pre-coated Galvanised sheet conforming to IS:14246-1995 of minimum thickness 0.5 mm for top & 0.4mm for bottom with minimum yield stress 550 MPa and Zinc coating of minimum 120 gsm as per IS: 277-1992 as skin on both side of PUR core (density $40 \pm 2$ kg/cum & self extinguishing) affixed to generate minimum adhesive strength (foam to steel) $2.9 \text{ kg/cm}^2$ and external face is made corrugated in shape for GI and PUR both material. The crest height of the panel shall be of 28 mm to 35 mm minimum with 200 to 250mm c/c pitch. The Pre-coated sheet shall contain 5-7 microns epoxy primer over zinc coating on both side of the sheet and polyester top coat 15-18 microns. The PPGL/ PPGI Sheet shall have protective guard film of minimum 25 microns to avoid scratches while transportation. The roof panels are laid over a frame work of trusses, columns and purlins fixed using 90 mm & above self drilling self tapping (SDST) screw with rubber washer including all types of fasteners, ridges and end capping as per structural design & direction of Engineer-in Charge complete in all respect.																	

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**(U) - Additional Items**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri,Alipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
	30 mm thickness panel for roofs	Sqm	2150	2150	2150	2150	2150	2150	2150	2150	2150	2150	2150	2150	2150	2150	2150	
12	Supplying and fixing <b>Frames for Lead Lined FD120 Fire Rated Door System</b> as per the IS: 3614-1992 Part-II and BS:476-1987 Part - 20 & 22 with 1st Class Malaysian Hardwood densified and pressure treated with fire retardent chemicals in vacuum impregnation vessels under 160 PSI pressure as pe IS:401 and kiln seasoned to moisture below 15% as per IS:1141 of section 120mm x 70 mm and shielding the frame with 3 mm thick & 45 mm wide 2 (two) protective lead covering conforming to ASTM B749-03 for reducing the radiation level to 2 mrem in 1 hour as stipulated by code of Federal Regulation (CFR), placed parallel each other staggeredly with an lateral over lap of 20mm at the region of discontinuity and fixed inside along the the frame, spray coated with 2 coats of enamel paint after 1 coat of white wood primer of minimum 200 micron,with single row of Brush- Type intumescent strip (equivalent to ASTROFLAME ) of size 10 mm x 4 mm affixed in the slit of the Frame for fire and smoke sealing, etc. including all incidental charges complete in all respect as per direction of Engineer-in-Charge. [Note : Specific permission of the Superintending Engineer is required for execution of this item. ]	Metre	1811	1811	1811	1811	1811	1811	1811	1811	1811	1811	1811	1811	1811	1811	1811	

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**(U) - Additional Items**

Item No.	Description of Items	Unit	Rate (Rs.)														REMARKS	
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS		Uttar/ Dakshin Dinajpur Dist.
13	Supplying & fitting of 55mm thick asbestos free - fire, heat and smoke resistant composite Fire check Door Shutter complying with fire performance-FD120 as per IS:3614 (part -II)-comprising of 2x8 mm Calcium Silicate boards over Chemically treated (with Fire retardant chemicals in pressure impregnation vessels under 160 psi pressure as per IS:401 and kiln seasoned to moisture below 15% as per IS:1141) internal timber (Malaysian Hard Wood, densified to 810 kg/cum) frame work of 100 mm x 32 mm with 32mm thick infill of ceramic fiber (density 128Kg/cum), vermaculite mix faced with 3 mm Fire retardant High Density fire board on outside & similar one over 3 mm thick protective lead covering conforming to ASTM B749-03 for reducing the radiation level to 2 mrem in 1 hour as stipulated by code of Federal Regulation (CFR), internally lipped with hardwood beading, and pasted in Hydraulic Press under 25 MPa, spray coated with 2 coats of in-tumescent paint of minimum 300 micron, and with single row of Brush- Type intumescent strip of size 10 mm x 4 mm affixed on peripheral slit on all edges of shutter except bottom for fire and smoke sealing, without any external lipping including fitting, fixing shutters in position but excluding the cost of hinges & other fittings as per direction of Engineer-in-Charge complete in all respect in Ground Floor. [Note : Specific permission of the Superintending Engineer is required for execution of this item. ]	Sqm	16519	16519	16519	16519	16519	16519	16519	16519	16519	16519	16519	16519	16519	16519	16519	

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**(U) - Additional Items**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipuri/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri,Alipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
14	Supplying, fitting & fixing asbestos free composite - 3 criteria- fire, heat and smoke check 100 mm thick <b>fire Barrier</b> of customised size & shape to prevent the spread of fire and smoke through vertical service line & utility shaft, having Fire Performance FD120 as per IS:3614 (Part-II) comprising of 4 x 12 mm thick Calcium Silicate boards affixed over internal frame work of 100mmx 50mm chemically treated timber with fire retardant chemicals in vaccum pressure impregnation vessels under 160 PSI pressure as per IS:401 and kiln seasoned to moisture below 15% as per IS:1141 with 50 mm thick infill of ceramic fibre (density 98 Kg/Cum), vermaculite mix, reinforced by TMT 8 mm bars inserted into frame both ways with maximum spacing of 300mm c/c supported within the the existing structure through SS anchore clamp of appropriate size, with spacing 300 mm c/c, with provision of cutouts for service & utility lines as per site condition & filling the space around with fire retardent Polyurethane foam and sealing all the joints with silicon sealant as per direction of Engineer-in-Charge complete in all respect including all incidental charges.	Sqm	7899	7899	7899	7899	7899	7899	7899	7899	7899	7899	7899	7899	7899	7899		
15	Repairing, fitting & fixing asbestos free composite - 3 criteria- fire, heat and smoke check 100 mm thick <b>fire Barrier</b> of customised size & shape to prevent the spread of fire and smoke through vertical service line & utility shaft, having Fire Performance FD120 as per IS:3614 (Part-II) with provision of cut out for service & utility lines as per site condition & filling the space around with fire retardent Polyurethane foam and sealing all the joints with silicon sealant as per direction of Engineer-in-Charge complete in all respect including all accessories taxes and incidental charges.	Sqm	2224	2224	2224	2224	2224	2224	2224	2224	2224	2224	2224	2224	2224	2224		

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Item No.	Description of Items	Unit	Rate (Rs.)														REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri,Alipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	
16	Supplying, fitting & fixing Surface mounted <b>Crash Bar/ panic Bar</b> of touch pad style, made of heavy duty cast iron/ steel body & latches with SS, BHMA certified & conforming to ANSI A 156.3 for grade-1 (3 hours fire rated) and suitable for surface mounting to wooden/hollow metal/ Al framed door with opening upto 900mm, with maximum operating force 6 kg for unlocking easily & outwardly during emergency, complete in all respect as per direction & satisfaction of Engineer-in-Charge.																
	(Note: To be installed at "FIRE EXIT" only under location specific instruction of Eengineer-in -Charge.)																
	for door opening 900	Each	7104	7104	7104	7104	7104	7104	7104	7104	7104	7104	7104	7104	7104	7104	7104
	for door opening 1200	Each	8081	8081	8081	8081	8081	8081	8081	8081	8081	8081	8081	8081	8081	8081	8081
17	Supplying, fitting & fixing Surface mounted overhead <b>Door Closer</b> for 2 hour fire rated doors, of size EN-4 for leaf width upto 950/ 1100mm weighing maximum 60/ 80 kgs, CE certified, marked & conforming to EN 1154-2003 of approved quality of reputed brand, complete as per direction & satisfaction of Engineer-in-Charge.																
	for leaf width upto 950mm	Each	3511	3511	3511	3511	3511	3511	3511	3511	3511	3511	3511	3511	3511	3511	3511
	for leaf width upto 1100mm	Each	3880	3880	3880	3880	3880	3880	3880	3880	3880	3880	3880	3880	3880	3880	3880
18	Supplying, fitting & fixing Stainless Steel 'D' or 'H' type of size 300 mm x 19 mm tubular <b>Handle</b> with Grade 304, CE certified, marked & conforming to EN - 1154, of approved quality of reputed brand as per direction of Eengineer-in-Charge fitted and fixed complete including all incidental charges.																
		Each	1571	1571	1571	1571	1571	1571	1571	1571	1571	1571	1571	1571	1571	1571	1571
19	Designing of different customised curved & plain <b>metal craft by laser cutting</b> on different metal sheets of varying thickness for <b>special architectural application as facade/wall panel/ceiling decoration</b> as per design, drawing or as approved standard by the Engineer-in-charge including transportation. (Mode of measurement - linear /peripheral dimension of laser cut area)																
	<b>Mild Steel Plate, Aluminium &amp; Stainless Steel</b>																
	i) 2.0mm thick	Metre	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
	ii) 1.5mm thick - Mild Steel Plate	Metre	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82

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Item No.	Description of Items	Unit	Rate (Rs.)														REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	
	iii) 1.0/ 0.5mm thick - Mild Steel Plate	Metre	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59
	Copper & Brass																
	i) 2.0mm thick	Metre	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112
	ii) 1.5mm thick - Mild Steel Plate	Metre	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88
	iii) 1.0/ 0.5mm thick - Mild Steel Plate	Metre	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65
20	Supplying, Fitting & fixing different factory made <b>Metal Craft Sheet (excluding cost of metal crafting)</b> incluing cost of powder coating (for M.S, Aluminium plate) & finished metal sheet with all fitting accessories complete in all respect as per diction of Engineer-in-Charge.																
	Mild Steel Plate																
	i) 2.0mm thick	sqm	1627	1627	1627	1627	1627	1627	1627	1627	1627	1627	1627	1627	1627	1627	1627
	ii) 1.5mm thick	sqm	1540	1540	1540	1540	1540	1540	1540	1540	1540	1540	1540	1540	1540	1540	1540
	iii) 1.0mm thick	sqm	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300
	iii) 0.5mm thick	sqm	1059	1059	1059	1059	1059	1059	1059	1059	1059	1059	1059	1059	1059	1059	1059
	Aluminium Plate																
	i) 2.0mm thick	sqm	1810	1810	1810	1810	1810	1810	1810	1810	1810	1810	1810	1810	1810	1810	1810
	ii) 1.5mm thick	sqm	1565	1565	1565	1565	1565	1565	1565	1565	1565	1565	1565	1565	1565	1565	1565
	iii) 1.0mm thick	sqm	1320	1320	1320	1320	1320	1320	1320	1320	1320	1320	1320	1320	1320	1320	1320
	iii) 0.5mm thick -	sqm	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075
	Stainless Steel Plate																
	i) 2.0mm thick	sqm	3027	3027	3027	3027	3027	3027	3027	3027	3027	3027	3027	3027	3027	3027	3027
	ii) 1.5mm thick	sqm	2401	2401	2401	2401	2401	2401	2401	2401	2401	2401	2401	2401	2401	2401	2401
	iii) 1.0mm thick	sqm	1776	1776	1776	1776	1776	1776	1776	1776	1776	1776	1776	1776	1776	1776	1776
	iii) 0.5mm thick	sqm	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150
	Copper Plate																
	i) 2.0mm thick	sqm	8160	8160	8160	8160	8160	8160	8160	8160	8160	8160	8160	8160	8160	8160	8160
	ii) 1.5mm thick	sqm	6260	6260	6260	6260	6260	6260	6260	6260	6260	6260	6260	6260	6260	6260	6260
	iii) 1.0mm thick	sqm	4360	4360	4360	4360	4360	4360	4360	4360	4360	4360	4360	4360	4360	4360	4360
	iii) 0.5mm thick	sqm	2460	2460	2460	2460	2460	2460	2460	2460	2460	2460	2460	2460	2460	2460	2460
	Brass Plate																



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	i) 2.0mm thick	sqm	6707	6707	6707	6707	6707	6707	6707	6707	6707	6707	6707	6707	6707	6707	6707	
	ii) 1.5mm thick	sqm	5164	5164	5164	5164	5164	5164	5164	5164	5164	5164	5164	5164	5164	5164	5164	
	iii) 1.0mm thick	sqm	3621	3621	3621	3621	3621	3621	3621	3621	3621	3621	3621	3621	3621	3621	3621	
	iii) 0.5mm thick	sqm	2079	2079	2079	2079	2079	2079	2079	2079	2079	2079	2079	2079	2079	2079	2079	
21	Supplying, fitting and fixing clear visioned, <b>Insulated Double Glazed two track sliding Aluminium window</b> (U-value < 3.2W/m <sup>2</sup> K) made up with 6 mm thick toughened glass (wt > 15kg/m <sup>2</sup> ) with 12 mm air gap in between, containing perforated Al/ structural foam spacer filled with moisture absorbant dessicant at all sides duly sealed with primary sealant (polyisobutylene) and affixed inside multi cellular/ multi chember profiles of required section made of Alluminium alloy extrusions conforming to IS:733-1983 and IS:1285 - 2002 annodised/powder coated with (required film thickness and specified colour /natural) matt finished conforming to IS: 1868-2006/ IS: 13871-2002 measured as per IS:6012-1992, and sealed appropriately with secondary (polysulphide/silicon) sealant all junctions complete in all respect as per direction and satisfaction of Engineer-in-Charge including all incidental charges. (Payment shall be made on finished size of Aluminium window including frame.)	sqm	6439	6439	6439	6439	6439	6439	6439	6439	6439	6439	6439	6439	6439	6439	6439	
22	Cement concrete flooring with <b>high performance non-metallic floor hardener</b> containing specially graded non-metallic hard wearing natural aggregates imparting floor hardness in the range of mohr scale 8-9 & capable of achieving 28 days compressive strength of 25 MPa with air content less than 3% applied as a dry shake @ 5Kg/sgm sprinkled to provide durable, non-slip monolithic floor for application of the topping over freshly laid concrete with under layer of 40 mm. thick cement concrete (1:2:4) (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) as per specification of the manufacturer & as per direction of Engineer-in-Charge.[Note: Floor hardener is applied as dry shake using a power trowel when the floor concrete has stiffened sufficiently and bleed of water should not be visible on the top of the floor while the application started]	sqm	656	638	634	609	636	632	656	636	640	647	614	708	655	670	674	

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			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri,Alipurdwar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS		Uttar/ Dakshin Dinajpur Dist.
23	Providing and fixing <b>Heat Resistant Terrace Tiles</b> (300mm X 300mm X 20mm) with SRI (solar refractive index) > 78, solar reflection > 0.70 and initial emittance > 0.75 on waterproof and sloped surface of terrace, laid on 20 mm thick cement sand mortar in the ratio of 1:4 (1 cement : 4 coarse sand) and grouting the joint with mix of white cement & marble powder in ratio of 1:1, including rubbing and polishing of the surface upto 3 cuts complete, including providing skirting upto 150 mm height along the parapet walls in the same manner.	sqm	1106	1084	1080	1080	1097	1088	1086	1080	1093	1093	1091	1128	1089	1089	1096	
24	Providing and fixing of factory made <b>uPVC Sliding window</b> (White Colour) complete, (U value=1.9-1.3 W/m <sup>2</sup> K, flame resistant, self extinguishing, lead free) comprising uPVC multi-chambered frame having in-built uPVC roller track on top and uPVC sash with wall thickness of 2.3mm (±0.2 mm) duly reinforced with G.I. section 1.6 mm (±0.2 mm), wherever required. All corners of frame and sash will be fusion welded. After placing 5 mm Clear Annealed glass in the sash, uPVC glazing bead, interlock, EPDM gasket, brush shall be provided including touch lock and rollers & proper drainage system shall be provided. Window frame will be fixed to the wall with 100mm long and 8mm dia. Fasteners and after fixing frame the gap between frame and adjacent finished wall shall be filled with weather proof silicon sealant over backer rod of required size, of approved quality complete in all respect as per as per approved drawing & direction of Engineer-In-Charge. (Note: Profile manufacturer & Window Manufacturer must be one & same, Only manufacturer Warranty is acceptable)																	
	a) 2 Track 2 Sash window frame of size 67 x 54 mm & Sash of size 64 x 47 mm both having wall thickness of 2.3 ± 0.2 mm	sqm	7118	7118	7118	7118	7118	7118	7118	7118	7118	7118	7118	7118	7118	7118	7118	
	b) 3 Track 3 Sash window frame of size 122 x 54 mm & Sash of size 64 x 47 mm both having wall thickness of 2.3 ± 0.2 mm	sqm	7779	7779	7779	7779	7779	7779	7779	7779	7779	7779	7779	7779	7779	7779	7779	
	c) 3 Track with Mesh-2 Glass Sash + 1 Mesh Sash (Each sash shall be half of width of window) window frame of size 122 x 54 mm & Sash of size 64 x 47 mm both having wall thickness of 2.3 ± 0.2 mm	sqm	8923	8923	8923	8923	8923	8923	8923	8923	8923	8923	8923	8923	8923	8923	8923	

**Section I.....BUILDING WORKS**

**(U) - Additional Items**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata /24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurdwar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
	d) Extra for providing & fixing insulated 20 mm double glazed unit with 8 mm Air Gap (6 mm Toughened glass + 8 mm spacer + 6 mm Toughened glass) made with 2 no 's of toughened glass of 6 mm (wt > 15kg/sq.mtr.) in lieu of single 5 mm Clear Annealed glass. including providing EPDM gasket, perforated aluminum spacer filled with moisture absorbant dessicant at all sides duly sealed with primary sealant (butylene) (Both primary and secondary sealant) etc. as per specifications, drawings and direction of Engineer-in-charge complete in all respect as per direction of Engineer - in- Charge.	sqm	1954	1954	1954	1954	1954	1954	1954	1954	1954	1954	1954	1954	1954	1954	1954	
25	Providing and fixing of factory made <b>uPVC Sliding Door</b> (White Colour) complete, (U value=1.9-1.3 W/m <sup>2</sup> K, flame resistant, self extinguishing, lead free) comprising uPVC multi-chambered frame having in-built uPVC roller track on top and uPVC sash extruded profiles with wall thickness of 2.3mm (±0.2 mm) duly reinforced with G.I. section 1.6 mm (±0.2 mm), made from roll forming process of required length (shape & size according to uPVC profile) wherever required. Profile of frame & sash shall be mitred cut and fusion welded at all corners, including drilling of holes for fixing hardware's and drainage of water etc. After placing 5 mm Clear Annealed glass in the sash, appropriate dimension uPVC extruded glazing bead, uPVC extruded interlock and uPVC extruded Inline sash adaptor (if required), EPDM gasket, wool pile, zinc alloy (white powder coated) handle with key on one side of extreme panels along with zinc plated mild steel multi point locking having transmission gear with keeps and stainless steel (SS 304 grade) body with adjustable double nylon rollers (weight bearing capacity to be 120 kg). Door frame will be fixed to the wall with 100mm long and 8mm dia. fasteners and necessary stainless steel screws etc. After fixing frame the gap between frame and adjacent finished wall shall be filled with weather proof silicon sealant over backer rod of required size, of approved quality complete in all respect as per approved drawing & direction of Engineer-in-Charge. (Note: <b>Profile manufacturer &amp; Door Manufacturer must be one &amp; same, Only manufacturer Waranty is acceptable</b> )																	
	a) 2 Track 2 Sash door frame of size 67 x 54 mm & Sash of size 85 x 47 mm both having wall thickness of 2.3 ± 0.2 mm.	sqm	6512	6512	6512	6512	6512	6512	6512	6512	6512	6512	6512	6512	6512	6512	6512	
	b) 3 Track 3 Sash door frame of size 122 x 54 mm & Sash of size 85 x 47 mm both having wall thickness of 2.3 ± 0.2 mm	sqm	7779	7779	7779	7779	7779	7779	7779	7779	7779	7779	7779	7779	7779	7779	7779	

**Section 1.....BUILDING WORKS**

**(U) - Additional Items**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurdwar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
	c) 3 Track with Mesh-2 Glass Sash + 1 Mesh Sash (Each sash shall be half of width of door) Door frame of size 122 x 54 mm & Door Sash of size 85 x 47mm & Mesh sash of size 64 x 47 mm both having wall thickness of 2.3 ± 0.2 mm	sqm	7717	7717	7717	7717	7717	7717	7717	7717	7717	7717	7717	7717	7717	7717	7717	
	d) Extra for providing & fixing insulated 20 mm double glazed unit with 8 mm Air Gap (6 mm Toughened glass + 8 mm spacer + 6 mm Toughened glass) made with 2 no's of toughened glass of 6 mm (wt > 15kg/sq.mtr.) in lieu of single 5 mm clear annealed glass. including providing EPDM gasket, perforated aluminum spacer filled with moisture absorbant dessicant at all sides duly sealed with primary sealant (butylene) (Both primary and secondary sealant) etc. as per specifications, drawings and direction of Engineer-in-charge complete in all respect as per direction of Engineer - in- Charge.	sqm	1954	1954	1954	1954	1954	1954	1954	1954	1954	1954	1954	1954	1954	1954	1954	
26	Providing and fixing of factory made <b>uPVC casement window</b> (White Colour) (U value=1.9-1.3 W/m <sup>2</sup> K, flame resistant, self extinguishing, lead free) comprising uPVC multi-chambered frame, Sash, & Mullion with having wall thickness of 2.3 mm (±0.2 mm) duly reinforced with G.I. section 1.6 mm (±0.2 mm) made from roll forming process of required length. All corners of frame and sash will be fusion welded. mullion (if required) shall be also fusion welded including drilling of holes for fixing hardware's, uPVC extruded glazing beads of appropriate dimension, EPDM gasket, G.I fasteners 100 x 8 mm size for fixing frame to finished wall, plastic packers, plastic caps and necessary stainless steel screws etc. shall be provided in all frame, sash & mullion, wherever necessary. Thereafter, 5 mm clear annealed glass shall be provided in the sash with the help of uPVC glazing bead and hardware, i.e., stainless steel (SS 304 grade) friction hinges & zinc alloy (white powder coated) casement handles (in window) & 3D Hinges & Multipoint Lock (in door) shall be provided. Window frame shall be fixed to the wall with 100mm long and 8mm dia. Fasteners and after fixing frame the gap between frame and adjacent finished wall shall be filled with weather proof silicon sealant over backer rod of required size, of approved quality complete in all respect as per approved drawing & direction of Engineer-In-Charge. (Note: Profile manufacturer & Window Manufacturer must be one & same, Only manufacturer Waranty is acceptable)																	

**Section I.....BUILDING WORKS**

**(U) - Additional Items**

Item No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
	a) i) Casement Window frame of size 45 x 50 mm & Sash / Mullion of size 45 x 78 mm (Window height below 1200 mm & building height below 18 mtr) both having wall thickness of 2.3 ± 0.2 mm	sqm	6964	6964	6964	6964	6964	6964	6964	6964	6964	6964	6964	6964	6964	6964	6964	
	a) ii) Casement Window frame of size 65 x 58 mm & Sash / Mullion of size 65 x 80 mm (Window Height above 1200 mm or Building height above 18 mtr )both having wall thickness of 2.3 ± 0.2 mm	sqm	9980	9980	9980	9980	9980	9980	9980	9980	9980	9980	9980	9980	9980	9980	9980	
	b) Casement Door with glass / uPVC panel frame of size 67 x 62 mm & Sash of size 67 x 115 mm & Mullion (if required) of size 67 x 78 mm both having wall thickness of 2.3 ± 0.2 mm	sqm	8657	8657	8657	8657	8657	8657	8657	8657	8657	8657	8657	8657	8657	8657	8657	
	c) Fixed Window frame of size 67 x 62 mm & Mullion (if required) of size 67 x 78 mm both having wall thickness of 2.3 ± 0.2 mm	sqm	6054	6054	6054	6054	6054	6054	6054	6054	6054	6054	6054	6054	6054	6054	6054	
	d) Extra for providing & fixing insulated 24 mm double glazed unit with 8 mm Air Gap (6 mm Toughened glass + 12 mm spacer + 6 mm Toughened glass) made with 2 no's of toughened glass of 6 mm (wt > 15kg/sq.mtr.) in lieu of single 5 mm Clear Annealed glass, including providing EPDM gasket, perforated aluminum spacer filled with moisture absorbant dessicant at all sides duly sealed with primary sealant (butylene) (Both primary and secondary sealant) etc. as per specifications, drawings and direction of Engineer-in-charge complete in all respect as per direction of Engineer - in- Charge.	sqm	1954	1954	1954	1954	1954	1954	1954	1954	1954	1954	1954	1954	1954	1954	1954	

**Section I.....BUILDING WORKS**

**(U) - Additional Items**

Item No.	Description of Items	Unit	Rate (Rs.)														REMARKS	
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri,Alipurdwar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS		Uttar/ Dakshin Dinajpur Dist.
27	Providing and fixing of factory made <b>uPVC Louver window</b> (White Colour) (U value=1.9-1.3 W/m <sup>2</sup> K, flame resistant, self extinguishing, lead free) comprising of uPVC multi-chambered with wall thickness of 2.3mm (±0.2 mm ) duly reinforced with 1.6 mm (±0.2 mm) thick G. I. Section made from roll forming process of required length (shape & size according to uPVC profile). Profile of frame & sash shall be mitred cut and fusion welded at all corners, mullion (if required) shall be also fusion welded including drilling of holes for fixing hardware's and drainage of water etc. Both vertical sides of the frame, adjustable louver mechanism having one lever shall be fitted with the provision of 4 mm glass. Window frame will be fixed to the wall with 100mm long and 8mm dia for fixing frame to finished wall, plastic packers, plastic caps and necessary stainless steel screws etc. Fasteners and after fixing frame the gap between frame and adjacent finished wall shall be filled with weather proof silicon sealant over backer rod of required size, of approved quality complete in all respect as per as per approved drawing & direction of Engineer-in-Charge. (Note: <b>Profile manufacturer &amp; Window Manufacturer must be one &amp; same, Only manufacturer Waranty is acceptable</b> )																	
	a) Louver Window with provision of Exhaust Fan frame of size 67 x 62 mm & Sash / Mullion of size 67 x 78 mm both having wall thickness of 2.3 ± 0.2 mm	sqm	7149	7149	7149	7149	7149	7149	7149	7149	7149	7149	7149	7149	7149	7149	7149	
	b) Louver Window (Adjustable Louver Only) frame of size 67 x 62 mm both having wall thickness of 2.3 ± 0.2 mm	sqm	6812	6812	6812	6812	6812	6812	6812	6812	6812	6812	6812	6812	6812	6812	6812	

**SECTION II ---- MATERIALS AND LABOUR**

**1. Building ---- (A) Materials delivered and stacked at site**

Sl. No.		Description of Items	RATE(Rs.)																	REMARKS
			Unit		Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
1.	(a)	1st Class Bricks (kiln burnt)	1000	Nos.	8095	7381	6190	6190	8095	8095	8095	6762	7381	7381	7381	10000	7381	7381	7381	
1.	(b)	2nd Class Bricks (kiln burnt)	1000	Nos.	5762	5143	4048	4048	5762	5476	5476	4571	5333	5333	5238	7190	5143	5238	5333	
2.	(a)	1st Class Picked Jhama Bricks	1000	Nos.	8000	7286	5762	5762	8048	7905	7905	6571	7286	7286	7286	9810	7286	7286	7286	
	(b)	Flyash Bricks(Modular)	1000	Nos.	5524	5238	5238	5238	5524	5429	5429	5238	5429	5238	5238					
	(c)	1 st Class Modular Bricks	1000	Nos.	5037				5037											
	(d)	special class modular bricks	1000	Nos.	5503				5503											
3.	(a)	Jhama Bats	1	M <sup>3</sup>	1211	897		813	1211	1058	1058		897	897	897		897	847	847	
	(b)	Jhama metal (kiln burnt) 50mm. to 65mm.	1	M <sup>3</sup>	1667	1162		1162	1667	1429	1429		1162	1162	1429		1429	1429	1429	
4.		1st Class Bats	1	M <sup>3</sup>	1162	952	857	857	1162	1114	1095	857	952	952	1000	2219	1000	1000	1000	
5.		Ordinary Bats	1	M <sup>3</sup>	720	593	593	593	720	720	677	593	635	618	635	1524	635	635	635	
6.	(a)	Sand coarse (Finenses moduls not less than 2)	1	M <sup>3</sup>	1095	524	429	429	857	638	571	429	762	762	667	1324	619	619	810	
	(b)	Medium Sand (Finenses moduls 1.8 to 2)	1	M <sup>3</sup>	905	381	333	333	667	524	381	333	667	619	571	1238	524	524	667	

**SECTION II ---- MATERIALS AND LABOUR**

**1. Building ---- (A) Materials delivered and stacked at site**

Sl. No.		Description of Items	RATE(Rs.)																		REMARKS
			Unit		Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.		
	(c)	Fine Sand	1	M <sup>3</sup>	762	333	286	286	524	476	305	300	524	476	476	1095	410	410	381		
	(d)	Silver Sand	1	M <sup>3</sup>	667	314			476	333	190	190	429	381	238		314	238	286		
7.		1st Class Raniganj Pattern Tiles	1	Each	12	11	9	13	12	12	12	12	9	8	8	14	8	8	8		
8.		Surki	1	M <sup>3</sup>	1211	1024	885	885	1211	1117	1310	1058	1058	1016	978	1397	1058	1016	1016		
9.		Lime	1	M <sup>3</sup>	4279	3755	3755	3755	4279	3755	3755	3755	3755	3755	3755	4803	3755	3755	3755		
10		Trap stone																			
	(a)	Boulder	1	M <sup>3</sup>																	
	(b)	40 mm. Size	1	M <sup>3</sup>											832						
	(c)	25 mm. Size	1	M <sup>3</sup>											884						
	(d)	20 mm. Size	1	M <sup>3</sup>											933						
	(e)	12 mm. Size	1	M <sup>3</sup>											884						
	(f)	10 mm. Size	1	M <sup>3</sup>											832						
	(g)	6 mm. Size	1	M <sup>3</sup>											808						
11		Trap stone Panchami Variety																			
	(a)	Boulder	1	M <sup>3</sup>																	
	(b)	40 mm. Size	1	M <sup>3</sup>				1357													
	(c)	25 mm. Size	1	M <sup>3</sup>				1312													
	(d)	20 mm. Size	1	M <sup>3</sup>				1387													
	(e)	12 mm. Size	1	M <sup>3</sup>				1033													
	(f)	10 mm. Size	1	M <sup>3</sup>				1069													
	(g)	6 mm. Size	1	M <sup>3</sup>				952													
12		Trap stone Chandil Variety																			
	(a)	Boulder	1	M <sup>3</sup>																	
	(b)	40 mm. Size	1	M <sup>3</sup>																	
	(c)	25 mm. Size	1	M <sup>3</sup>																	
	(d)	20 mm. Size	1	M <sup>3</sup>																	



**SECTION II ---- MATERIALS AND LABOUR**

**1. Building ---- (A) Materials delivered and stacked at site**

Sl. No.	Description of Items	RATE(Rs.)																
		Unit	Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Div.	Jalpaiguri,Alipurdwar, plains of Siliguri Sub Div. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	REMARKS
	(e)	12 mm. Size	1	M <sup>3</sup>														
	(f)	10 mm. Size	1	M <sup>3</sup>														
	(g)	6 mm. Size	1	M <sup>3</sup>														
13		Local Hard Black Stone (Crusher Broken) Midnapore E, Midnapore W, Bankura)																
	(a)	40 mm. Size	1	M <sup>3</sup>				1010	960	889								
	(b)	25 mm. Size	1	M <sup>3</sup>				1061	1010	960								
	(c)	20 mm. Size	1	M <sup>3</sup>				1162	1110	1040								
	(d)	12 mm. Size	1	M <sup>3</sup>				1034	985	909								
	(e)	10 mm. Size	1	M <sup>3</sup>				832	731	707								
	(f)	6 mm. Size	1	M <sup>3</sup>				656	606	520								
14		32 mm down graded gravel (Midnapore E, Midnapore W, Bankura)						707	606	556								
15		Damodarpur Gravel (Bankura)	1	M <sup>3</sup>														
16		Stone Metal 30 mm down of N. Bengal variety	1	M <sup>3</sup>										1644	902	902	1008	

**SECTION II ---- MATERIALS AND LABOUR**

**1. Building ---- (A) Materials delivered and stacked at site**

Sl. No.		Description of Items	RATE(Rs.)																	
			Unit		Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Siliguri Sub Divn.	Jalpaiguri, Alipurduar, plains of Siliguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	REMARKS
17		Stone Ballast 40 mm down of N. Bengal variety	1	M <sup>3</sup>											1590	848	848	954		
18		Stone Boulder 150 mm of N. Bengal variety	1	M <sup>3</sup>											1272	584	584	848		
19		30 mm down graded Shingles of N. Bengal variety	1	M <sup>3</sup>											1241	551	551	796		
20		Bazree (N. Bengal variety)	1	M <sup>3</sup>											1484	626	690	902		
21		Grit (N. Bengal variety)													1326	530	530	742		
22		Fly Ash Bricks(Traditional)	1000	Nos	6500	6000	6000	6000	6000	6000	6000	6500	6500	6000	6000					
23		Laterite Boulder (at Quarry)	Cum							255	255									
24		Moorum (at quarry)	Cum				117	117		117	117									

Note: 1. The above rates are inclusive of all charges such as Royalty, Supervision Charges, etc. and also include allowance for sinkage, as applicable, and/or shrinkage and 10% Contractor's Profit but exclusive of GST

2. Rates for Sand and Brick/ Jhama/ Bats items are complete rates at site and no other costs need to be considered. For other items, necessary loading-unloading & carriage charges are admissible.

3. Laterite Boulder & Moorum are available in the districts as mentioned in Sl. No. – 23 & 24 respectively, remaining districts may add necessary carriage cost as applicable.

## SECTION II ---- MATERIALS AND LABOUR

### 1. Building ---- (B) Labour Rates Per Diem

Sl. No.	Description of Items	Unit	Rate (Rs.)															REMARKS
			Kolkata / 24 Pgs (N & S) /Area of Kalyani Sub Div	Purba Bardhaman Paschim Bardhaman	Purulia	Birbhum	Howrah/ Hoogly	Purba Medinipur	Paschim Medinipur/ Jhargram	Bankura	Nadia excluding area of Kalyani Sub Div	Murshidabad	Malda	Darjeeling, Kalimpong except plains of Sitiguri Sub Divn.	Jalpaiguri, Alipurdwar, plains of Sitiguri Sub Divn. & Area of Haldibari PS	Coochbehar excluding the area of Haldibari PS	Uttar/ Dakshin Dinajpur Dist.	
	ZONE		(A)	(A)	(B)	(B)	(A)	(A)	(A)	(B)	(B)	(B)	(B)	(A)	(A)	(B)	(B)	
1)	Mason (Head)	Each	326	326	326	326	326	326	326	326	326	326	326	326	326	326	326	
2)	Mason (Ordinary)	Each	296	296	296	296	296	296	296	296	296	296	296	296	296	296	296	
3)	Mazdoor (Male)	Each	245	245	245	245	245	245	245	245	245	245	245	245	245	245	245	
4)	Mazdoor (Female)	Each	245	245	245	245	245	245	245	245	245	245	245	245	245	245	245	
5)	Carpenter (Head)	Each	326	326	326	326	326	326	326	326	326	326	326	326	326	326	326	
6)	Carpenter (Ordinary)	Each	296	296	296	296	296	296	296	296	296	296	296	296	296	296	296	
7)	Carpenter (Helper)	Each	270	270	270	270	270	270	270	270	270	270	270	270	270	270	270	
8)	Beater Women	Each	270	270	270	270	270	270	270	270	270	270	270	270	270	270	270	
9)	Gharamee (Head)	Each	326	326	326	326	326	326	326	326	326	326	326	326	326	326	326	
10)	Gharamee (Ordinary)	Each	296	296	296	296	296	296	296	296	296	296	296	296	296	296	296	
11)	Bhistee	Each	270	270	270	270	270	270	270	270	270	270	270	270	270	270	270	
12)	Stone Cutter	Each	326	326	326	326	326	326	326	326	326	326	326	326	326	326	326	
13)	Santras	Each	326	326	326	326	326	326	326	326	326	326	326	326	326	326	326	
14)	Blacksmith (Head)	Each	326	326	326	326	326	326	326	326	326	326	326	326	326	326	326	
15)	Blacksmith (Ordinary)	Each	296	296	296	296	296	296	296	296	296	296	296	296	296	296	296	
16)	Blacksmith (Helper)	Each	270	270	270	270	270	270	270	270	270	270	270	270	270	270	270	
17)	Fitter Mechanic	Each	326	326	326	326	326	326	326	326	326	326	326	326	326	326	326	
18)	Fitter Mechanic (Helper)	Each	270	270	270	270	270	270	270	270	270	270	270	270	270	270	270	
19)	Hammer Man	Each	270	270	270	270	270	270	270	270	270	270	270	270	270	270	270	
20)	Khalasi	Each	245	245	245	245	245	245	245	245	245	245	245	245	245	245	245	
21)	Tarman	Each	296	296	296	296	296	296	296	296	296	296	296	296	296	296	296	
22)	Painter	Each	326	326	326	326	326	326	326	326	326	326	326	326	326	326	326	
23)	Spray Painter	Each	326	326	326	326	326	326	326	326	326	326	326	326	326	326	326	
24)	Welder	Each	326	326	326	326	326	326	326	326	326	326	326	326	326	326	326	
25)	Welder (Helper)	Each	296	296	296	296	296	296	296	296	296	296	296	296	296	296	296	
26)	Rod Binder (Head)	Each	326	326	326	326	326	326	326	326	326	326	326	326	326	326	326	
27)	Rod Binder (Ordinary)	Each	296	296	296	296	296	296	296	296	296	296	296	296	296	296	296	
28)	Rod Binder (Helper)	Each	245	245	245	245	245	245	245	245	245	245	245	245	245	245	245	
29)	Mosaic Mistry	Each	326	326	326	326	326	326	326	326	326	326	326	326	326	326	326	

Note: (I) The above rates of labour are exclusive of 10% contractors profit and 1% Labour welfare cess which would be admissible to the Contractors, but contractual percentage will not be applicable.

(II) The worker employed on high rise building or any structure over 30 ft in height and also workers engaged in Tunnel shall be paid 20% extra wages

# ANNEXURE-I

**Table-1.1- ISSUE RATE OF CEMENT & STEEL MATERIALS**

Item No.	Descriptions of Items	Unit	Issue Rate(Rs) (Supplied by Department)		Basic Price(Rs) (Supplied by Contractor)		Remarks
			South Bengal	North Bengal	South Bengal	North Bengal	
1	2	3	4	5	6	7	8
1)	Cement: PPC/PSC/ OPC(33 Grade)	MT	6289	6460	5717	5873	1) Rates furnished in column-4 of item 1 & 2 are the issue rates of materials at Departmental Stackyard/Godown.
	Cement: OPC(43 Grade)	MT	6289	6460	5717	5873	2)The rate of items involving use of cement supplied by the Contractor shall be evaluated as per Format -A of Annexure-I
	Cement: OPC(53 Grade)	MT	6460	6662	5873	6056	
2)	Steel Materials i) Mild Steel Rods (Fe 250) (SAIL/TATA/RINL)	MT	41300	43000	36530	38060	3) For sub Items of Item 2 ,The Basic Prices exclusive of Contractors Profit & GST are given in Column-5.To arrive at complete rate in case of Steel supplied by Contractor.Format B of Annexure -I is referred.
	ii) Tor Steel Rods/HYSD/Fe 415/Fe 500/Fe 500 D (SAIL/TATA/RINL)	MT	41300	43000	36530	38060	
	Steel Materials i) Mild Steel Rods (Fe 250) (Other than SAIL/TATA/RINL)	MT	39300	40900	34630	36160	* The catagory of "Steel Producers", has been incorporated as per order no: 1825 E-in-C/2015, Dt:05/10/2015
	ii) Tor Steel Rods/HYSD/Fe 415/Fe 500/Fe 500 D (Other than SAIL/TATA/RINL)	MT	39300	40900	34630	36160	
3)	Structural Steel	MT					
	(a)Up to 200mm size				37165	38011	
	(b) Above 200mm & upto 400mm size				38265	39112	
	(c) Above 400mm size				40043	40889	
4)	G.C.I Sheet(0.6 mm-5.15 kg/sq.m; 0.63 mm - 5.34 kg/sq.m; 0.8 mm - 6.69 kg/sq.m)	MT		51911			

**Note: The above rates are exclusive of GST, Overhead Charges & Contractor's Profit.**

Construction Wing is to add the cost of Cement and Steel to the concerned item to arrive at the complete Rate of the item according to calculation shown in Annexure - I and Annexure - II Cement and Steel as the case may be.

## ***ANNEXURE - I***

### ***FORMAT - A***

***(Format for analysis of rate of items involving use of Cement supplied by Contractor)***

<i>Step - 1</i>	<i>Rate of item as per relevant section of this Schedule</i>	<b><i>Rs. A</i></b>
<i>Step - 2</i>	<i>Deduct cost of cement = (Quantity of cement) X (Issue rate of cement vide Item No. 1, Column - 4, Table - 1 - 1 of Annexure - I)</i> <i>Note: The quantity of cement shall be as per Chart for Consumption of Materials.</i>	<b><i>Rs. B</i></b>
<i>Step - 3</i>	<i>Add cost of cement supplied by Contractor including 10% Profit = 1.1 X (Quantity of cement) X (Basic price of cement vide Item No. 1, Column - 5, Table - 1 - 1 of Annexure-I)</i> <i>Note: The quantity of cement shall be same as Step - 2.</i>	<b><i>Rs. C</i></b>
<b><i>Final Rate of Item = Rs. A - Rs.B + Rs. C =</i></b>		<b><i>Rs. D</i></b>

## ***ANNEXURE - I***

### ***FORMAT - B***

***(Format for Analysis of Rate of reinforcing Steel supplied by Contractor)***

<i>Step - 1</i>	<i>Rate of item as per relevant section of this Schedule</i>	<b><i>Rs.</i></b>	<b><i>A</i></b>
<i>Step - 2</i>	<i>Deduct Issue Rate (Per MT) of respective Quality Steel X 1.05</i>	<b><i>Rs.</i></b>	<b><i>B</i></b>
<i>Step - 3</i>	<i>Add Basic Price at outlet of Steel of respective quality X 1.05</i>	<b><i>Rs.</i></b>	<b><i>C</i></b>
<i>Step - 4</i>	<i>Add Contractor's Profit @ 10% on cost of Steel only (Sl. No. 3)</i>	<b><i>Rs.</i></b>	<b><i>D</i></b>
<i>Step - 5</i>	<i>Add cost of Carriage from outlet to site with necessary loading, unloading and stacking charges for 1.05 MT Steel</i>	<b><i>Rs.</i></b>	<b><i>E</i></b>

***Final Rate of Item = [Rs. A - Rs.B + Rs.C + Rs.D + Rs.E] = Rs.***

**ANNEXURE - II**  
**FORMAT - A**  
**(Format for Rate Analysis of Cement Concrete items)**

*Step - 1 Rate of item as per relevant section of this Schedule      **Rs. A***

*Step - 2 Add cost of stone aggregate of different grading as per consumption required for one cum of concrete.  
( As per table:T-1)*

20mm Nominal Size:	}	<b>Rs. B</b>
10mm Nominal Size:		

*Step - 3 Add cost of carriage of stone aggregate as per consumption required for one cum of concrete.  
( As per table:T-2)*

20mm Nominal Size:	}	<b>Rs. C</b>
10mm Nominal Size:		

*Step - 4 Add cost for loading and unloading of stone aggregate      **Rs. D**  
( As per table:T-3)*

**Final Rate of Item = [Rs. A +Rs.B + Rs.C + Rs.D] = Rs.**

**Note:**

1. Cost of stone aggregate of different grading to be obtained from Table T-1 by considering rate of the nearest
2. Cost of carriage of stone aggregate to be obtained from Table: T-2 by considering the actual distance from the
3. Cost for loading and unloading of stone aggregate to be obtained from Table:T-3
4. ANNEXURE – II is applicable for It. No. 5(a), 6(a)(i) to 6(e)(i), 7(a), 9(A)(a) to 9(A)(e) & 9(B)(a) to 9(B)(e) of Chapter – C only.

(TABLE :T-1)

## RATES OF PAKUR VARIETY STONE AGGREGATES AT DIFFERENT RAILWAY YARDS

Name of Railway Yards	Unit	Boulder 30 / 45 kg	Hand broken Aggregates		Stone Aggregates	Machine made Stone Chips					Stone grit	Stone dust	Stone Screening		Graded Aggregates		
			Grade - I aggregates	Grade - II aggregates	37.5 mm	26.5 mm	22.4 mm	13.2 mm	11.2 mm	5.6 mm			Type - A	Type - B	40 mm	20 mm	10 mm
			(63 - 45mm)	(53 - 22.4 mm)											Nominal size	Nominal size	Nominal size
Adra Jn.	Cum	1146	1344	1366	1362	1421	1436	1459	1320	1067	963	989	1149	955	1384	1375	1244
Andal	Cum	927	1125	1147	1143	1202	1217	1240	1101	848	744	762	930	736	1165	1156	1025
Asansol	Cum	983	1181	1203	1199	1258	1273	1296	1157	904	800	820	986	792	1221	1212	1081
Ballyganj		1201	1389	1411	1407	1466	1481	1504	1365	1112	1008	1046	1194	1000	1429	1420	1289
Bankura Jn.	Cum	1253	1451	1473	1469	1528	1543	1566	1427	1174	1070	1100	1256	1062	1491	1482	1351
Bandel Jn.	Cum	1090	1288	1310	1306	1365	1380	1403	1264	1011	907	931	1093	899	1328	1319	1188
Barasat	Cum	1201	1399	1421	1417	1476	1491	1514	1375	1122	1018	1046	1204	1010	1439	1430	1299
Barrackpur	Cum	1146	1344	1366	1362	1421	1436	1459	1320	1067	963	989	1149	955	1384	1375	1244
Baripurjn.	Cum	1253	1451	1473	1469	1528	1543	1566	1427	1174	1070	1100	1256	1062	1491	1482	1351
Berhampur Court	Cum	1416	1614	1636	1632	1691	1706	1729	1590	1337	1233	1269	1419	1225	1654	1645	1514
Bishnupur	Cum	1307	1505	1527	1523	1582	1597	1620	1481	1228	1124	1156	1310	1116	1545	1536	1405
Bongaon	Cum	1253	1451	1473	1469	1528	1543	1566	1427	1174	1070	1100	1256	1062	1491	1482	1351
Burdwan In.	Cum	927	1125	1147	1143	1202	1217	1240	1101	848	744	762	930	736	1165	1156	1025
Chandrakona Road	Cum	1526	1724	1746	1742	1801	1816	1839	1700	1447	1343	1383	1529	1335	1764	1755	1624
Contai roads	Cum	1526	1724	1746	1742	1801	1816	1839	1700	1447	1343	1383	1529	1335	1764	1755	1624
Dalkhola	Cum	983	1181	1203	1199	1258	1273	1296	1157	904	800	820	986	792	1221	1212	1081
Dankuni	Cum	1090	1288	1310	1306	1365	1380	1403	1264	1011	907	931	1093	899	1328	1319	1188
Dhupguri	Cum	1361	1559	1581	1577	1636	1651	1674	1535	1282	1178	1212	1364	1170	1599	1590	1459
Durgapur	Cum	927	1125	1147	1143	1202	1217	1240	1101	848	744	762	930	736	1165	1156	1025
Falakata	Cum	1416	1614	1636	1632	1691	1706	1729	1590	1337	1233	1269	1419	1225	1654	1645	1514
Haldia	Cum	1471	1669	1691	1687	1746	1761	1784	1645	1392	1288	1326	1474	1280	1709	1700	1569
Jhargram	Cum	1526	1724	1746	1742	1801	1816	1839	1700	1447	1343	1383	1529	1335	1764	1755	1624
Kalyani	Cum	1146	1344	1366	1362	1421	1436	1459	1320	1067	963	989	1149	955	1384	1375	1244
Kharagpur Jn.	Cum	1416	1614	1636	1632	1691	1706	1729	1590	1337	1233	1269	1419	1225	1654	1645	1514
Krishnanagar City	Cum	1253	1451	1473	1469	1528	1543	1566	1427	1174	1070	1100	1256	1062	1491	1482	1351
Maldah Town	Cum	762	960	982	978	1037	1052	1075	936	683	579	591	765	571	1000	991	860
Midnapore	Cum	1471	1669	1691	1687	1746	1761	1784	1645	1392	1288	1326	1474	1280	1709	1700	1569



**RATES OF PAKUR VARIETY STONE AGGREGATES AT DIFFERENT RAILWAY YARDS**

Name of Railway Yards	Unit	Boulder 30 / 45 kg	Hand broken Aggregates		Stone Aggregates	Machine made Stone Chips					Stone grit	Stone dust	Stone Screening		Graded Aggregates		
			Grade - I aggregates	Grade - II aggregates	37.5 mm	26.5 mm	22.4 mm	13.2 mm	11.2 mm	5.6 mm			Type - A	Type - B	40 mm	20 mm	10 mm
			(63 - 45mm)	(53 - 22.4 mm)											Nominal size	Nominal size	Nominal size
New Farakka	Cum	762	960	982	978	1037	1052	1075	936	683	579	591	765	571	1000	991	860
New Alipore	Cum	1201	1399	1421	1417	1476	1491	1514	1375	1122	1018	1046	1204	1010	1439	1430	1299
New	Cum	1526	1724	1746	1742	1801	1816	1839	1700	1447	1343	1383	1529	1335	1764	1755	1624
New Coochbehar	Cum	1526	1724	1746	1742	1801	1816	1839	1700	1447	1343	1383	1529	1335	1764	1755	1624
New Jalpaiguri	Cum	1253	1451	1473	1469	1528	1543	1566	1427	1174	1070	1100	1256	1062	1491	1482	1351
Panskura	Cum	1307	1505	1527	1523	1582	1597	1620	1481	1228	1124	1156	1310	1116	1545	1536	1405
Purulia	Cum	1035	1233	1255	1251	1310	1325	1348	1209	956	852	874	1038	844	1273	1264	1133
Raniganj	Cum	927	1125	1147	1143	1202	1217	1240	1209	848	744	762	930	736	1165	1156	1025
Sainthia	Cum	762	960	982	978	1037	1052	1075	1101	683	579	591	765	571	1000	991	860
Salimar	Cum	1201	1399	1421	1417	1476	1491	1514	1375	1122	1018	1046	1204	1010	1439	1430	1299
Sealdah	Cum	1201	1399	1421	1417	1476	1491	1514	1375	1122	1018	1046	1204	1010	1439	1430	1299
Serampore	Cum	1146	1344	1366	1362	1421	1436	1459	1320	1067	963	989	1149	955	1384	1375	1244
Suri	Cum	762	960	982	978	1037	1052	1075	936	683	583	569	765	571	1000	991	860
Tarakeswar	Cum	1090	1288	1310	1306	1365	1380	1403	1264	1011	1182	897	1093	899	1328	1319	1188
Tamluk	Cum	1361	1559	1581	1577	1636	1651	1674	1535	1282	911	1168	1364	1170	1599	1590	1459

1. The above rates are inclusive of all charges such as Royalty, Supervision Charges, etc. and also include allowance for sinkage and/or shrinkage but excluding GST, Overhead Charges and Contractor's profit

2. Payment will be made on the basis of net volume.

***(TABLE :T-2)***

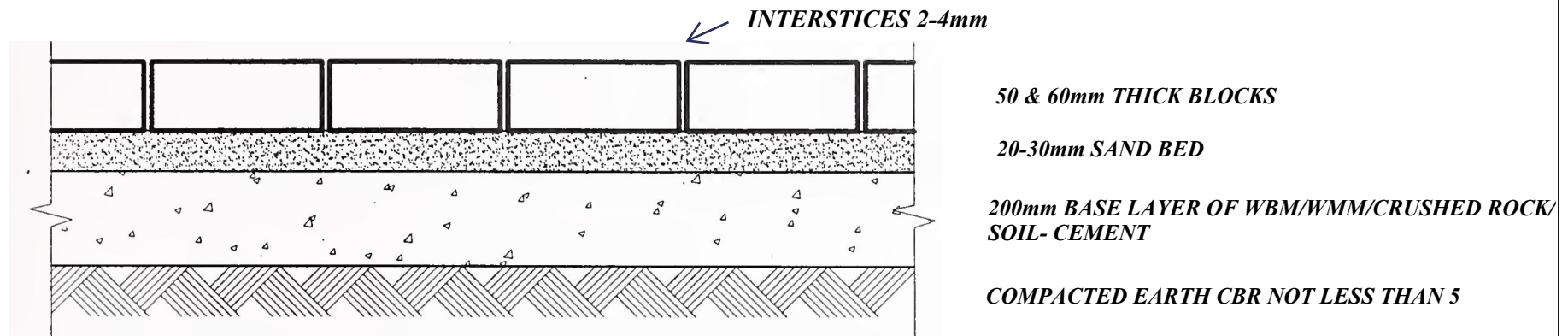
***Road Transportation & Carriage Works***

<b><i>Item No.</i></b>	<b><i>Description of Items</i></b>	<b><i>Unit</i></b>	<b><i>Zone</i></b>	<b><i>Any distance Up to 5 km</i></b>	<b><i>Above 5 km up to 10 km (per km)</i></b>	<b><i>Above 10 km up to 20 km (per km)</i></b>	<b><i>Above 20 km up to 50 km (per km)</i></b>	<b><i>Above 50 km up to 100 km (per km)</i></b>	<b><i>Above 100 km (per km)</i></b>
<b><i>1.</i></b>	<b><i>Carriage of Stone Aggregate</i></b>	<b><i>Cum</i></b>	<b><i>All district except hill area of Darjeeling</i></b>	<b><i>124.00</i></b>	<b><i>10.90</i></b>	<b><i>10.10</i></b>	<b><i>9.50</i></b>	<b><i>8.40</i></b>	<b><i>7.90</i></b>
			<b><i>Hill area of Darjeeling</i></b>	<b><i>185.00</i></b>	<b><i>16.40</i></b>	<b><i>15.20</i></b>	<b><i>14.30</i></b>	<b><i>12.60</i></b>	<b><i>11.90</i></b>

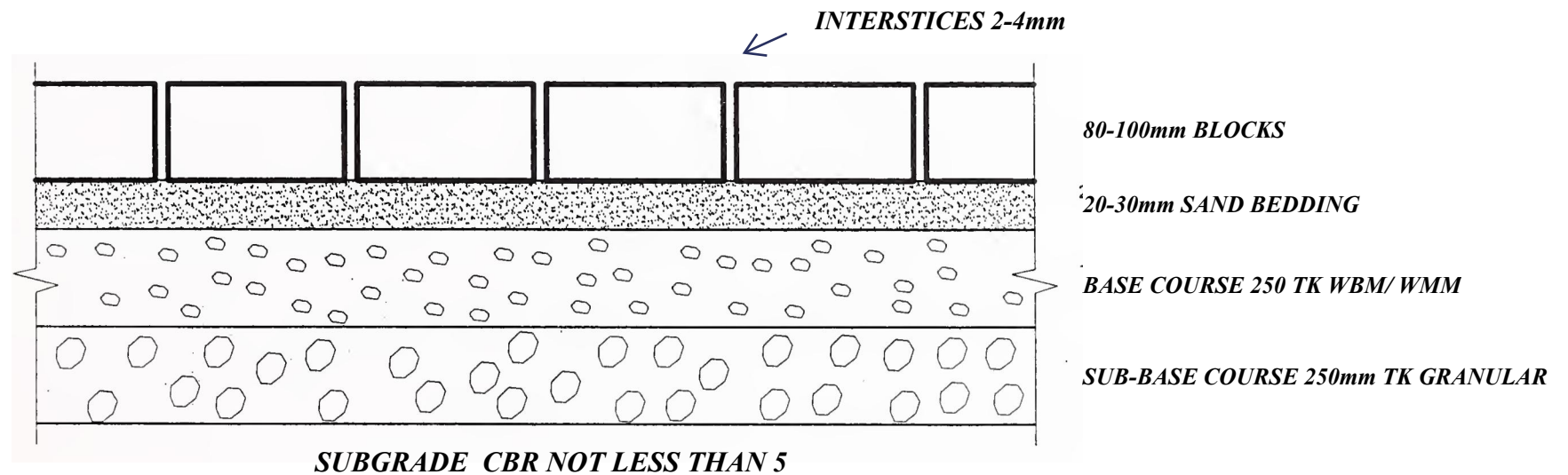
***(TABLE :T-3)***

***Rate for loading & unloading of Stone Aggregate***

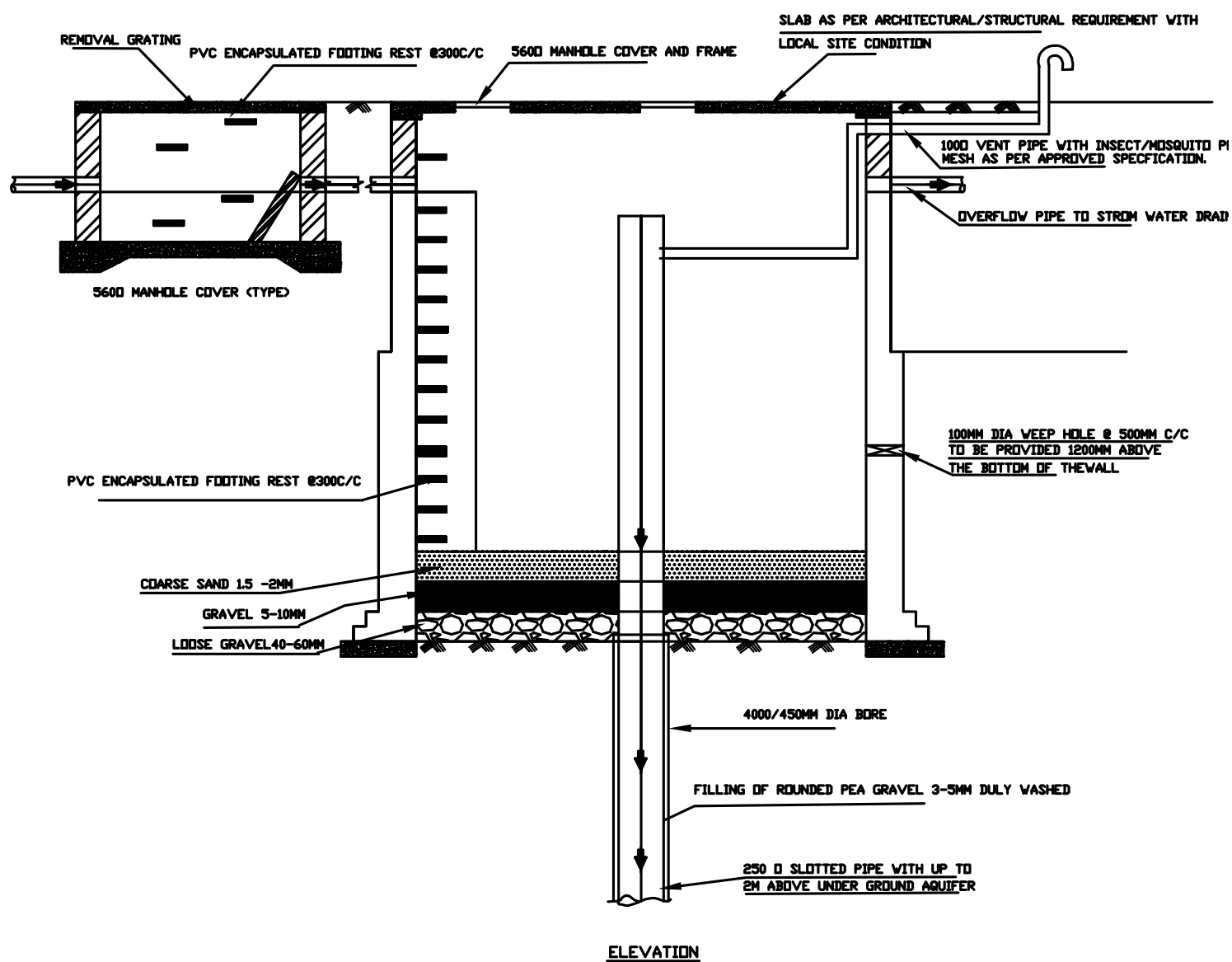
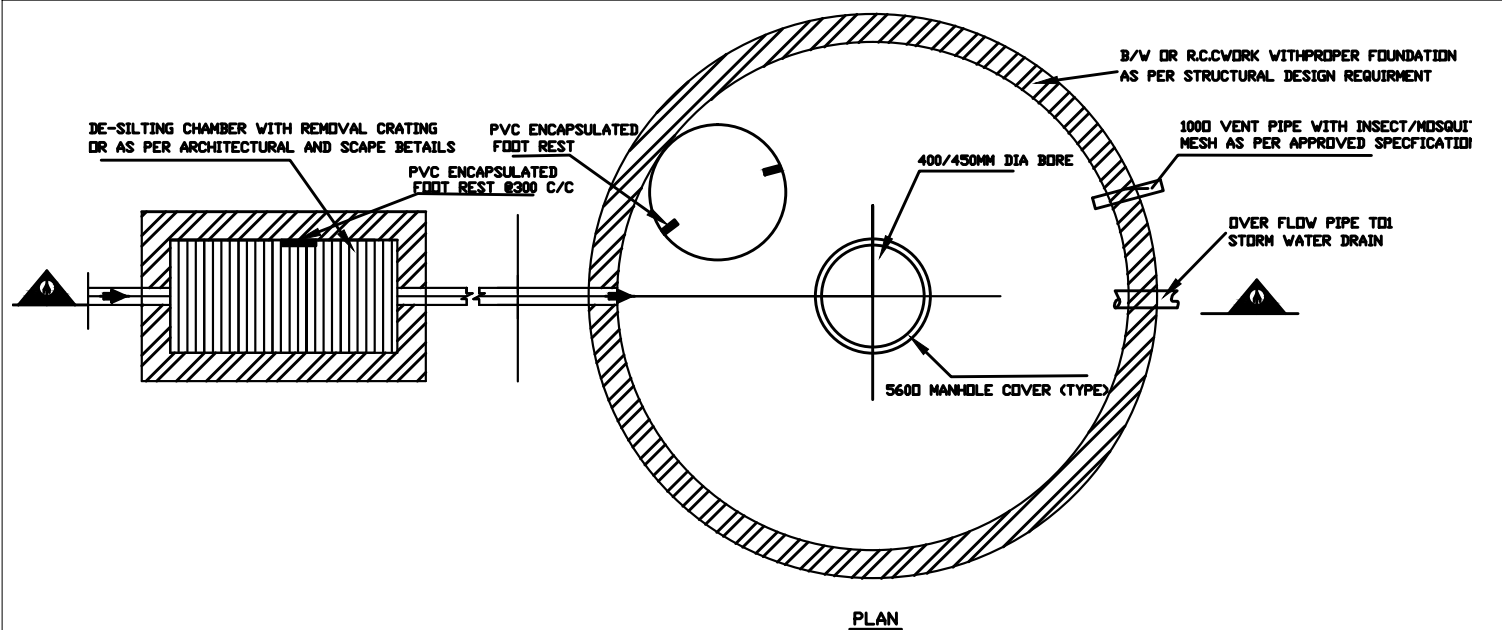
<b><i>Item No.</i></b>	<b><i>Description of Items Unit</i></b>	<b><i>Unit</i></b>	<b><i>All districts of West Bengal and Darjeeling Plain of Siliguri Sub-Division</i></b>	<b><i>Darjeeling Hill Area</i></b>	<b><i>Remarks</i></b>
<b><i>1</i></b>	<b><i>Loading &amp; unloading by manual means</i></b>  <i>Loading into trucks at the lifting point, unloading at destination, stacking properly in go downs or yard etc. as directed including carriage by head load up to a lead of 50.00 m at each of the two points.</i>				
<b><i>a)</i></b>	<b><i>Stone Aggregate below 40 mm nominal size</i></b>	<b><i>Cum</i></b>	<b><i>58.00</i></b>	<b><i>58.00</i></b>	
<b><i>b)</i></b>	<b><i>Stone Aggregate above 40 mm nominal size</i></b>	<b><i>Cum</i></b>	<b><i>62.00</i></b>	<b><i>62.00</i></b>	



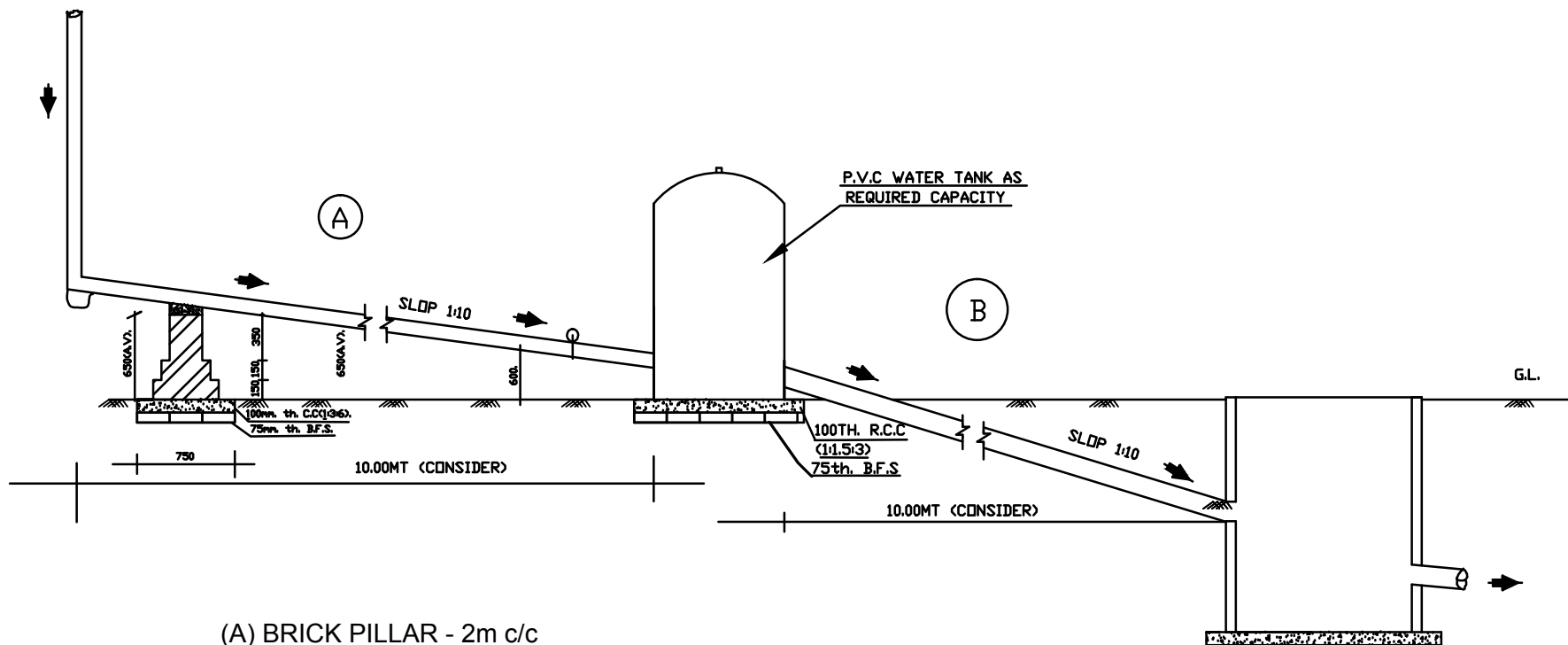
*A Typical Cross section of block pavement used in sidewalk/footpath/car-parks/cycle track*



*A typical cross section of block pavement for heavily trafficked roads*

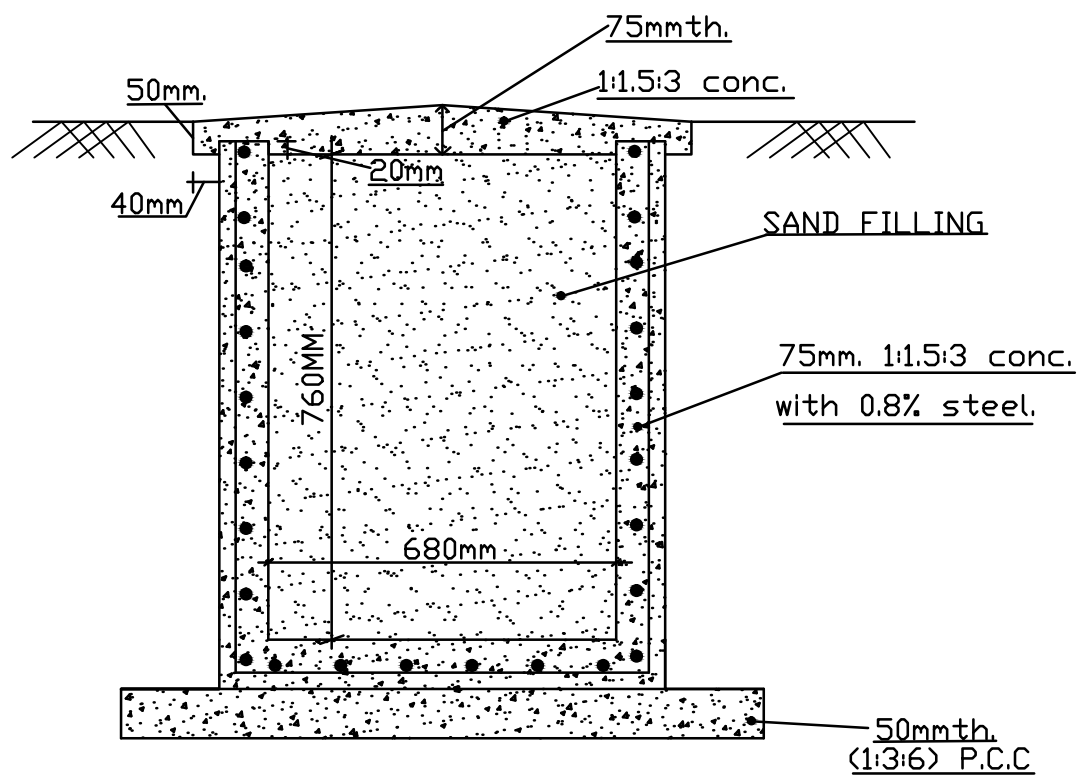


RAIN WATER HARVESTING - GROUND WATER RECHARGE TYPE (TYP)



- (A) BRICK PILLAR - 2m c/c  
 (B) DIA. OF PIPE - 110 mm (PVC) (A-ZONE)  
 (C) DIA. OF PIPE - 150 mm (PVC) (B - ZONE)

RAIN WATER HARVESTING - STORAGE TYPE (TYP)



SECTION OF CABLE TRENCH (TYP)

SCALE 1:300

INDEX corresponding to SOR, effective from 01.12.2015							
(A)Earth Work, Anti-termite Treatment		(C)Brickwork, Concrete Work etc.		(C)Brickwork, Concrete Work etc.		(C)Brickwork, Concrete Work etc.	
Item No.	Old Item No.	Item No.	Old Item No.	Item No.	Old Item No.	Item No.	Old Item No.
1	1	<b>A. Brickwork</b>		43	63	37	13
2	2	1	1	44	49	38	14
3	3	2	2	45	53	39	20T
4	4	3	3	46	54	40	15
5	5	4	20	47	50	41	16
6	6	5	19	48	51	42	17
7	23T	6	20	<b>B. Concrete Works</b>		<b>C. Repair &amp; Rehabilitation</b>	
8	24T	7	21	1	4	1	15T
9	25T	8	22	2	50T	2	16T
10	7	9	23	3	51T	3	17T
11	8	10	24	4	5	4	18T
		11	25	5	6a	5	56
		12	48T	6	6b	6	57
		13	26	7	6c	7	58
		14	27	8	6d	8	59
		15	28	9	6e	9	60
		16	29	10	7	10	61
		17	30	11	8	11	62
		18	31	12	9A(a)		
		19	32	13	9A(b)		
		20	33	14	9A(c)		
		21	34	15	9A(d)		
		22	35	16	9A(c)		
		23	36	17	9B(a)		
		24	37	18	9B(b)		
		25	41	19	9B(c)		
		26	42	20	9B(d)		
		27	44	21	9B(c)		
		28	45	22	10		
		29	46	23	11		
		30	47	24	54U		
		31	65	25	55U		
		32	50U	26	49U		
		33	51U	27	18		
		34	1U	28	38		
		35	2U	29	22T		
		36	3U	30	67T		
		37	55	31	39		
		38	12T	32	40		
		39	13T	33	4U		
		40	14T	34	43		
		41	48	35	64		
		42	52	36	12		



*INDEX corresponding to SOR, effective from 01.12.2015*

<b>(D)Flooring Work,</b>		<b>(D)Flooring Work</b>		<b>(E)Roofing, Sheet Walling</b>		<b>(E)Roofing, Sheet Walling</b>	
<i>Item No.</i>	<i>Old Item No.</i>	<i>Item No.</i>	<i>Old Item No.</i>	<i>Item No.</i>	<i>Old Item No.</i>	<i>Item No.</i>	<i>Old Item No.</i>
<b>A.Original works</b>		43	94U	<b>A. Roofing &amp; Sheet Walling</b>		<b>D. Repair &amp; Rehabilitation</b>	
1	11	44	95U	1	1	1	2
2	12	45	96U	2	44	2	3
3	13	46	26	3	15	3	4
4	14	47	39	4	16	4	5
5	1	48	40	5	18	5	6
6	3	<b>B. Repair &amp; Rehabilitation</b>		6	19	6	7
7	4	1	32	7	23	7	8
8	5	2	33	8	29	8	9
9	6	3	34	9	24	9	10
10	7	4	20	10	30	10	11
11	8	5	21	11	31	11	12
12	9	6	22	12	32	12	13
13	10	7	25	13	28	13	14
14	67U	8	18	14	8U	14	17
15	38	9	19	15	9U	15	20
16	15	10	17	16	36	16	21
17	27	11	37	17	10U	17	22
18	27(A)	12	36	18	11U	18	33
19	27(B)			19	25	19	34
20	28			20	26	20	35
21	29			21	27	21	37
22	23			22	84U	22	38
23	23(A)			23	12U	23	48
24	23(B)			24	13U	24	49
25	24			25	46		
26	24(A)			26	47		
27	72(U)			27	40		
28	73U			28	41		
29	74U			29	42		
30	75U			30	39		
31	31B			<b>B. Water proof Treatment</b>			
33	5U			1	45		
34	6U			2	38U		
35	30			3	39U		
36	16			4	97U		
37	35			<b>C. Repair &amp; Rehabilitation for waterproofing</b>			
38	71U			1	35U		
39	76U			2	36U		
40	88U			3	37U		
41	86U						
42	87U						

*INDEX corresponding to SOR, effective from 01.12.2015*

<b>(F) Structural Steel</b>		<b>(F) Structural Steel</b>		<b>(G) Wood &amp; PVC Works</b>		<b>(G) Wood &amp; PVC Works</b>	
<i>Item No.</i>	<i>Old Item No.</i>	<i>Item No.</i>	<i>Old Item No.</i>	<i>Item No.</i>	<i>Old Item No.</i>	<i>Item No.</i>	<i>Old Item No.</i>
<b>A. Original Work</b>		18	45	<b>A. Door Window Frame</b>		5	76
1	1	19	46	1	1	6	104
2	2	20	47	1A	2	7	125
2A	2A	21	22	2	1	8	130
3	3	22	23	3	144	9	135
4	4	23	24	4	149	10	136
5	5	24	25	5	150	11	138
6	20	25	27	6	56U	12	139
7	21	26	28	7	59U	<b>D. Accessories</b>	
8	26	27	29	8	154	1	9
9	43E	28	30	<b>B. Door Window Shutter</b>		2	11
10	7			1	84	3	16
11	8			2	85	4	18
12	9			3	87	5	20
13	10			4	88	6	21
14	11			5	89	7	24
15	12			6	90	8	25
16	13			7	91	9	26
17	14			8	92	10	27
18	15			9	93	11	28
19	16			10	94	12	29
20	33			11	101	13	30
21	48			12	102	14	31
22	7U			13	103	15	32
23	85U			14	143	16	36
<b>B. Repairing</b>				15	145	17	37
1	6			16	146	18	38
2	31			17	147	19	39
3	17			18	148	20	40
4	18			19	52U	21	41
5	19			20	53U	22	42
6	32			21	57U	23	43
7	34			22	58U	24	59
8	35			23	60U	25	60
9	36			24	151	26	61
10	37			25	152	27	62
11	38			26	155(A)	28	63
12	39			27	155(B)	29	64
13	40			<b>C. Miscellaneous Woodwork</b>		30	65
14	41			1	3	31	66
15	42			2	4	32	67
16	43			3	5	33	68
17	44			4	56	34	69

INDEX corresponding to SOR, effective from 01.12.2015							
(G) Wood & PVC Works		(G) Wood & PVC Works		(G) Wood & PVC Works		(H) Band Moulding, Cornice	
Item No.	Old Item No.	Item No.	Old Item No.	Item No.	Old Item No.	Item No.	Old Item No.
<b>D. Accessories</b>		36	79	3	108	<b>A. Original Works</b>	
35	70	37	80	4	109	1	1
36	71	38	81	5	111	2	2
37	142	39	82	6	113	3	3
38	14U	40	83	7	119	4	8
39	16U	41	112	8	66U	5	4
<b>E. Repair Works</b>		42	115	9	80U	6	5
1	7	43	126	10	81U	7	7
2	8	44	131	11	82U	8	13
3	10	45	132	12	22U	<b>B. Maintenance Works</b>	
4	12	46	133	13	120	1	6
5	13	47	137	14	121	2	9
6	14	48	140	15	122	3	10
7	15	49	141	16	123	4	11
8	17	50	153	17	127	5	12
9	19	<b>F. False Ceiling</b>		18	124		
10	22	1	95	19	156		
11	23	2	9	20	158		
12	33	3	99	<b>H. Additional Items</b>			
13	34	4	97	1	6		
14	35	5	98	2	86		
15	44	6	100	3	52		
16	45	7	105	4	128		
17	46	8	110	5	129		
18	47	9	114				
19	48	10	116				
20	49	11	117				
21	50	12	118				
22	134	13	62U				
23	51	14	63U				
24	53	15	64U				
25	54	16	65U				
26	55	17	157				
27	56b	18	159				
28	57	19	17U				
29	58	20	18U				
30	72	21	19U				
31	73	22	20U				
32	74	23	21U				
33	75	<b>G. Wall Panelling</b>					
34	77	1	106				
35	78	2	107				

INDEX corresponding to SOR, effective from 01.12.2015							
(I) Plastering, Pointing		(J) White wash, Colour Wash, Distemper		(K) Painting, Varnishing etc.		(L) Glazier's Works	
Item No.	Old Item No.	Item No.	Old Item No.	Item No.	Old Item No.	Item No.	Old Item No.
<b>A. Original Works</b>		<b>A. Original Works</b>		<b>A. Original Works</b>		<b>A. Original Works</b>	
1	2	1	3	1	7	1	1
2	3	2	17	2	8A	2	2
3	4	3	4	3	8B	3	3
4	22	4	5	4	9	4	4
5	23	5	6	5	11	5	5
6	14	6	7	6	12	6	6
7	15	7	14	7	15	7	11
8	16	8	15	8	16	8	89U
9	17	9	21	9	10	<b>B. Miscellaneous Items</b>	
10	24	10	10	10	17	1	8
11	18	11	11	11	18	2	9
12	19	12	22	12	19	3	10
13	20	13	12	13	83U	4	12
14	21	14	13	14	15U	<b>C. Additional Rate</b>	
15	8	15	16	<b>B. Miscellaneous Items</b>		1	7
16	9	16	18	1	1		
<b>B. Miscellaneous Items</b>		17	19	2	2		
1	1	<b>B. Miscellaneous Items</b>		3	3		
2	10	1	1	4	4		
3	11	2	2	5	5		
4	12	3	8	6	6		
5	13	4	9	7	13		
<b>C. Additional Rate</b>		5	98U	8	14		
1	5	<b>C. Additional Rate</b>		9	20		
2	6	1	20	10	21		
3	7						

INDEX corresponding to SOR, effective from 01.12.2015							
(N) Thatch, Mud & Bamboo Works		(O) Fencing		(P) Soling, Edging and Metalling		(R) Aluminium Works	
Item No.	Old Item No.	Item No.	Old Item No.	Item No.	Old Item No.	Item No.	Old Item No.
<b>A. Original Works</b>		<b>A. Original Works</b>		<b>A. Original Works</b>			
1	1	1	1	1	1	1	1
2	2	2	6	2	2	2	2
3	3	3	7	3	3	3	3
4	6	4	13	4	4	4	4
5	8	5	14	5	11	5	5
6	12	6	15	6	12	6	6
7	14	7	16	7	78U	7	7
8	16	8	18	8	79U	8	8
9	18	9	19	9	10	9	9
10	20	10	20	10	60T	10	10
11	22	11	21	11	61T	11	11
12	23	12	22	12	62T	12	12
13	24	13	23	13	5	13	13
14	25	14	24	14	63T	14	70U
15	26	15	25	15	6	15	24U
16	27	<b>B. Maintenance Works</b>		16	7	16	25U
<b>B. Maintenance Works</b>		1	2	17	8	17	26U
1	4	2	3	18	9	18	27U
2	5	3	4	19	16	19	28U
3	7	4	5	20	13	20	29U
4	9	5	8	21	64	21	30U
5	10	6	9	22	65	22	31U
6	11	7	10	23	14	23	32U
7	13	8	11	24	15	24	33U
8	15	9	12			25	34U
9	17	10	17			26	77U
10	19					27	23U
11	26T						
12	28T						
13	21						
14	27T						
15	28						
16	29						
17	30						

<i>INDEX corresponding to SOR, effective from 01.12.2015</i>							
<b>(T) Miscellaneous Works</b>		<b>(O) Fencing</b>		<b>(P) Soling, Edging and Metalling</b>		<b>(R) Aluminium Works</b>	
<i>Item No.</i>	<i>Old Item No.</i>	<i>Item No.</i>	<i>Old Item No.</i>	<i>Item No.</i>	<i>Old Item No.</i>	<i>Item No.</i>	<i>Old Item No.</i>
<b>A. Special Works</b>		<b>A. Special Works</b>		<b>A. Special Works</b>		<b>B. Maintenance Works</b>	
<b>(I). Horticulture</b>		<b>(II) Compound Development</b>		<b>(III) Event Management</b>		<b>1</b>	<b>4</b>
<i>1</i>	<i>40U</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>35</i>	<i>2</i>	<i>5</i>
<i>2</i>	<i>41U</i>	<i>2</i>	<i>2</i>	<i>2</i>	<i>36</i>	<i>3</i>	<i>6</i>
<i>3</i>	<i>42U</i>	<i>3</i>	<i>3</i>	<i>3</i>	<i>90U</i>	<i>4</i>	<i>7</i>
<i>4</i>	<i>43U</i>	<i>4</i>	<i>29</i>	<i>4</i>	<i>91U</i>	<i>5</i>	<i>8</i>
<i>5</i>	<i>44U</i>	<i>5</i>	<i>30</i>	<i>5</i>	<i>92U</i>	<i>6</i>	<i>9</i>
<i>6</i>	<i>45U</i>	<i>6</i>	<i>31</i>	<i>6</i>	<i>93U</i>	<i>7</i>	<i>68U</i>
<i>7</i>	<i>46U</i>	<i>7</i>	<i>32</i>	<i>7</i>	<i>37</i>	<i>8</i>	<i>69U</i>
<i>8</i>	<i>47U</i>	<i>8</i>	<i>33</i>	<i>8</i>	<i>38</i>	<i>9</i>	<i>21</i>
<i>9</i>	<i>48U</i>	<i>9</i>	<i>34</i>	<i>9</i>	<i>39</i>	<i>10</i>	<i>10</i>
		<i>10</i>	<i>52</i>	<i>10</i>	<i>40</i>	<i>11</i>	<i>11</i>
		<i>11</i>	<i>53</i>	<i>11</i>	<i>41</i>	<i>12</i>	<i>49</i>
		<i>12</i>	<i>54</i>	<i>12</i>	<i>42</i>		
		<i>13</i>	<i>55</i>	<i>13</i>	<i>43</i>		
		<i>14</i>	<i>56</i>	<i>14</i>	<i>44</i>		
		<i>15</i>	<i>57</i>	<i>15</i>	<i>19</i>		
		<i>16</i>	<i>58</i>	<i>16</i>	<i>45</i>		
		<i>17</i>	<i>59</i>	<i>17</i>	<i>46</i>		
		<i>18</i>	<i>66</i>	<i>18</i>	<i>47</i>		
		<i>19</i>	<i>68</i>				