

# SCHEDULE OF RATES

## VOLUME -II

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

## SANITARY & PLUMBING WORKS

[With effect from 01.11.2017]



UNISEX AMBULANT TOILET



NO MISFIRES



**PLEASE**  
HELP KEEP  
THIS RESTROOM  
CLEAN



PUBLIC WORKS DEPARTMENT  
GOVERNMENT OF WEST BENGAL



**VOLUME-II**

*for*

**SANITARY & PLUMBING WORKS**

# 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.*

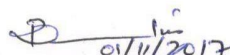
*At last, we on behalf of the Schedule committee would like to convey our sincere thanks to those Engineer Officers who have co-operated with suggestions and also expect fruitful comments & suggestions from all corners in future, as ever.*

  
(TAPASH KR. DEO)

Superintending Engineer  
Bridge Planning Circle  
Member of the Combined  
Schedule Committee PW Dte.  
& PW(Roads) Dte.

  
(BISWAJIT RAY) 11/11/17

Superintending Engineer  
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(DEBASHIS ROY) 01/11/2017

Superintending Engineer  
Planning & Monitoring Circle  
Convener of the Combined  
Schedule Committee PW Dte. &  
PW (Roads) Dte.

  
(SRIKUMAR  
BHATTACHARYA)  
Engineer-in-Chief  
Public Works Department  
Chairman of the Combined  
Schedule Committee PW Dte. &  
PW (Roads) Dte.

## ***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.***

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## **GENERAL CONDITIONS**

1. *If in connection with Sanitary & Plumbing Works etc. any item or items of work relating to Building works, Road works and Carriage crop up, the contractor shall if so directed, have to execute such items. In respect of such items the Schedule of Rates for Building Works, Road Works and Carriage for the current year including general conditions, general specifications etc. operative in the area will be applicable and the contractual percentage will be applicable in respect of such works as well.*
2. *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.*
3. *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 helping materials but exclusive of GST.*
4. *To arrive at complete rate of different items in this Schedule, 1% Sundries, 1% water charges, 5% Overhead and 10% Contractors Profit has been considered besides Material cost, Labour Cost and other cost involved to execute the item. All cutting holes, chases, trenches etc. at any place necessary in connection with works as per items in this schedule and subsequent mending damage as per original specification and as directed are included in the rates and shall not be paid extra unless otherwise expressly specified.*
5. *The issue of Departmental materials, if any required for the work will be at the rates and under the terms and conditions as stipulated in the General Conditions and General Specifications embodied in the Schedule of Rates for Building works, Materials and Labour for the current year operative in the area.*

(i) **Cement: -**

*Issue Rate and Basic Price of Cement are shown in Table – 1.1 of Annexure – I. All cement related item rates depicted in this Schedule are derived considering the fact that Cement will be supplied by the Department at Issue Rate.*

*If Cement is supplied by the Contractor, then item rates are to be deduced as per Format – A of Annexure – I.*

*PPC / PSC Cement is considered for Cement related items.*

(ii) **Reinforcing Steel:-**

*Issue rate and Basic Price of Reinforcing Steel is shown in Table – 1.1 of Annexure – I. All item rates related to Reinforcing Steel are derived considering the fact that Reinforcing Steel will be supplied by the Department. If Reinforcing steel is supplied by the Contractor, then item rates 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.*

6. *The contractor shall be responsible for the safe custody and proper maintenance in original condition of all sanitary and plumbing works till all works are completed and formally handed over to the Department.*
7. *Renewal works include dismantling and taking out old work, mending good damage after renewal and removal of the 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 items 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.*
8. *Where renewals are involved, indigenous materials shall be used without exception even if this means changing the type. In cases of exceptional areas viz. operation theaters, chemical laboratories etc., prior approval of the Engineer-in-Charge for using non-indigenous materials are to be obtained. In such case, due care and scrutiny should be exercised for selection of type before acceptance and payment.*
9. *Before application of rate, quantities of all items with metric unit must be calculated with correction 2 places of decimal when the rate is up to Rs. 100.00 and 3 places of decimal when the rate is above Rs. 100.00.*
10. *If not mentioned otherwise in the items themselves, all materials including fitting shall conform to standard laid down by the Bureau of Indian Standards and bear I.S.I. mark where such standardization has been made. All other materials must be of best quality conforming to the standard laid down by the I.S.I. and being approved by the Engineer-in-Charge.*
11. *Unless otherwise specifically mentioned in the items of this Schedule, all G.I. Pipes are to be normally of TATA make, all sanitary wares and faucets should be of Parry ware, Hindware, Neycer, CERA, Jaquar, Marc (1st Quality) or should bear I.S.I. certification marks and in cases where term "approved brand/approved make/approved quality" appears shall invariably mean "ISI marked material approved by Engineer-in-Charge."*
12. *For works within the perimeter of Jail where works are permitted within the restricted hours only, extra rate @ 10% in respect of all items of the schedule will be allowed.*
13. *Extra rates for difficult/ riverine areas in respect of all items of this schedule will be allowed as follows :*
  - (a) *In riverine areas connected by the river route and / or ferry crossing under:*
    - (i) *15% Extra for Hasnabad, Bhangore P.S.*
    - (ii) *15% Extra for Haroa, Canning, Kultali, Namkhana & Kakdwip P.S.*
    - (iii) *22.5% Extra for Gosaba, Basanti, Minakhan, Sandeskhali & Hingalganj P.S.*
    - (iv) *30% Extra for Pathar Pratima & Sagar P.S.*

- (b) *10% Extra for all areas under Kakdwip PWD Sub-Division excluding the jurisdiction of Kakdwaip P.S. in riverine areas connected by River Route and or ferry crossing.*
- (c) i) *Rates of items except Section (B)(iv) (Item 1 to 6) and items involving labour only in Section (A) to (C) are to be enhanced by 10% for Darjeeling except plains of Siliguri Sub Division.*

*In addition to above extra rate following enhancement will be applicable for all items except items involving labour only:*

- ii) *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 P.S.*
  - (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 & Tagda Block.*
- iii) *20% for 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, Gitdabling, Samathahar, Samolbong & Stittong.*
- (d) *The rates under sections stated above are to be enhanced by 15% for works in Buxa Hills.*
- (e) *The rates for all types of concrete works, Masonry works (except Dry Rubble Masonry and allied works) and plastering etc. in the Hills of Darjeeling District have been arrived at with cost of Ballast on variety of stone aggregates and sand. If any work is done with local approved stone aggregates/sand the rate of the item will be reduced by 15% such reduction will however, be 5% if Teesta variety materials are used.*



(f) *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 approved 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 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.*

(g) *For W.C.-I*

*The Schedule of Rates will be enhanced due to various circumstances is mentioned below:*

1. *By 10% (Ten) for works done within the Hills region of Ajodhya in the District of Purulia (a region will be treated hills in the altitude is more than 200 Meters from the level of any adjoining area within 10 Km.*

(h) *For W.C. II:*

*Extra rates will be allowed as follows:*

*Khanakul Block No. I & II) -- 5% extra.*

(i) *In case of any ambiguity or dispute in any matter arising out of this schedule, Superintending Engineer's decision will be final.*

# **GENERAL SPECIFICATION**

## **(Including Mode of Measurement)**

### **A. 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 direction 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.*

#### **1. G.I. Tank:**

*Before acceptance of any G.I. Tank, proper scrutiny as to the thickness of the sheets should be made. Due check should also be made on each face of the tank by punching holes to be subsequently mended and hermetically sealed by the contractor without any extra charge being paid on this account by Department. Thickness of M.S. Sheet is exclusive of galvanizing.*

#### **2. Flushing Cistern:**

*Flushing Cistern of I.P.W.C. & E.P.W.C. will be 10 litre pull and let low down cistern types as specified. Flush pipes for urinals shall be made of G.I. Pipes of Polythene pipes with fittings or lead pipes as may be directed by the Engineer-in-Charge. Flushing cistern of urinals shall be of approve type. All flush pipes and cisterns shall have to be painted with 2 coats of paint of approved shade and brand over a coat of approved primer. The inlets of sanitary fittings and equipments to be connected with the adjacent distribution line (water supply) with requisite lengths and size of P.V.C. connection pipe is to be provided with necessary unions at both ends within the quoted rates of respective items. Cost of these P.V.C. connection pipe will be paid separately.*

#### **3. Fittings for G.I. Pipes:**

*All G.I. Fittings will be of approved make. For installation of G.I. pipe line all fittings and specials as may be necessary shall have to be fitted and fixed to the line.*

#### **4. Joints:**

*The joints of pipes, fitting & accessories shall be made as specified and unless otherwise specified, no separate payment shall be allowed.*

*(i) G.I. Pipes fitting, valves and cocks with jute and white lead paint.*

*(ii) C.I. Soil pipes & fittings: The jointing shall have to be done by either of the two methods as specified :*

- (a) *The half of the depth of the annular space between spigot and socket shall be packed with spun yarn and the remaining half to be filled up with molten lead well caulked with caulking tools.*
- (b) *The half of the depth of the annular space between spigot and socket shall be packed with tarred gasket and the remaining half will be filled up three quarters with void and the top quarter with cement mortar (4:1) and shall be finished beveled at 45°.*
  - (i) *Stone Ware Pipes & Fittings : The half of the depth of the annular space between socket and spigot shall be packed with tarred gasket and the remaining half shall be filled up with Cement mortar (3:1) & shall be finished beveled at 45°.*
  - (ii) *C.I.. Water mainline: The jointing shall have to be done with Tyton joints as per manufacture's specifications.*

5. ***Test of pipe lines valves and cocks:***

*The pipe lines, valves and cocks shall be tested at the contractor's expenses for which no extra payment shall be allowed. The available water supply sources may however be allowed to be utilized for testing but in absence of any such arrangement the contractor shall have to conduct the following tests.*

- (i) *C.I. Water main pipe line : The pipe shall have to be tested at least for designed working pressure.*
- (ii) *C.I. soil pipe line : Smoke test.*
- (iii) *S.W. Pipe line : All sections between two inspection pits shall have to be tested separately. The funnel shall be at least 1.3 meter above the soffit of the S.W. pipe at the upper inspection pit.*

*Any defect or defects detected during testing shall be rectified at the contractor's expenses.*

6. ***Septic Tank:***

*Construction of septic tank shall be done as per approved design. After completion of the tank, the tank shall have to be filled up with clear water after removing any foreign materials from the inside of the tank, if any. No separate payment shall be allowed on this account.*

7. ***Painting:***

*All pipes (G.I., C.I. water main and soil) and fittings shall have to be painted outside with two coats of paint of approved brand and shade.*

## **B. MODE OF MEASUREMENT**

### **1. G.I., C.I. Water main & Soil, S.W. Pipe line:**

*All the pipe lines shall be measured in fitted condition along the central line of the exposed surface.*

### **2. Strainer:**

*The strainer as used in the Tube-Well shall be measured in fitted condition along the central line of the exposed surface.*

### **3. Boring of Tube-Well:**

*Boring for tube-wells always shall have to be done by the contractor's pipe. In no case Departmental pipes or the pipes which will be actually lowered shall be used for the purpose of boring. Labour rate of boring is inclusive of hire charge of boring pipes. Generally measurement of the boring will be taken on the basis of the finished length of the tube well from the ground line. If for some special reasons, boring depth is required to be more than the finished length of the tube-well, previous permission of Engineer-in-Charge is to be taken to get the payment of extra boring in excess of the finished length.*

**SECTION (A) - PLUMBING WORKS**

**(A)-(I) FERRULE AND FERRULE CONNECTION**

| <b>Item No.</b> | <b>Description of Item</b>  | <b>All Districts of West Bengal</b> |             |
|-----------------|---|-------------------------------------|-------------|
|                 |   | <b>Unit</b>                         | <b>(Rs)</b> |
|                 | <b>(a) Original Works</b>   |                                     |             |
| 1               | Supplying,fitting and fixing brass ferrule including connection with G.I. pipes of TATA make of following dia. and upto 450 mm long with screw,jamnut,sockets etc.,complete in all respect, including cutting trenches in all sorts of soil and filling up the trenches as per direction of the Engineer - in - Charge.                         |                                     |             |
|                 | (i) 25 mm dia.  | Each                                | 1884.00     |
|                 | (ii) 20 mm dia.   | Each                                | 1338.00     |
|                 | (iii) 15 mm dia.  | Each                                | 981.00      |
|                 | (iv) 10 mm dia.   | Each                                | 965.00      |
| 2               | Supplying, fitting and fixing brass ferrule including connection with P.V.C. pipe of approved make upto 450 mm long with plumbing joint,brass over C.P. coupling at both ends, with cap and lining complete in all respect, including cutting trenches in all sorts of soil and filling up trenches as per direction of the Engineer-in-charge. |                                     |             |
|                 | (i) 25 mm dia.  | Each                                | 1825.00     |
|                 | (ii) 20 mm dia.   | Each                                | 1267.00     |
|                 | (iii) 15 mm dia.  | Each                                | 942.00      |
|                 | (iv) 10 mm dia.   | Each                                | 922.00      |
|                 | <b>(b) REPAIR WORKS</b>   |                                     |             |
| 1               | Renewing brass ferrule for connecting mains.  |                                     |             |
|                 | (i) 25 mm dia.  | Each                                | 1685.00     |
|                 | (ii) 20 mm dia.   | Each                                | 1160.00     |
|                 | (iii) 15 mm dia.  | Each                                | 853.00      |
|                 | (iv) 10 mm dia.   | Each                                | 826.00      |
| 2               | Dismantling ferrule with all pipe connections.  | Each Set                            | 172.00      |
| 3               | Dismantling existing ferrule with fittings and refixing same after cleaning.  | Each Set                            | 191.00      |

**SECTION (A) - PLUMBING WORKS**

**(A)-(II) G.I. PIPE WORKS AND FITTINGS**

| Item No. | Description of Item   | All Districts of West Bengal |      |
|----------|---|------------------------------|------|
|          |   | Unit                         | (Rs) |
| 1        | <p>Supplying, fitting and fixing G.I. pipes of TATA make with all necessary accessories, specials viz. socket, bend, tee, union, cross, elbo, nipple, longscrow, reducing socket, reducing tee, short piece etc. fitted with holder bats clamps, including cutting pipes, making threads, fitting, fixing etc. complete in all respect including cost of all necessary fittings as required, jointing materials and two coats of painting with approved paint in any position above ground. (Payment will be made on the centre line measurements of total pipe line including all specials. No separate payment will be made for accesories, specials. Payment for painting will be made seperately)</p> <p><b>(A) For Exposed Work</b></p> <p>(a) (i) 15 mm dia. light quality Mtr 177.00</p> <p>(ii) 15 mm dia. medium quality Mtr 192.00</p> <p>(b) (i) 20 mm dia. light quality Mtr 201.00</p> <p>(ii) 20 mm dia. medium quality Mtr 226.00</p> <p>(c) (i) 25 mm dia. light quality Mtr 267.00</p> <p>(ii) 25 mm dia. medium quality Mtr 305.00</p> <p>(d) (i) 32 mm dia. light quality Mtr 304.00</p> <p>(ii) 32 mm dia. medium quality Mtr 355.00</p> <p>(e) (i) 40 mm dia. light quality Mtr 352.00</p> <p>(ii) 40 mm dia. medium quality Mtr 415.00</p> <p>(f) (i) 50 mm dia. light quality Mtr 458.00</p> <p>(ii) 50 mm dia. medium quality Mtr 540.00</p> <p>(g) (i) 65 mm dia. light quality Mtr 567.00</p> <p>(ii) 65 mm dia. medium quality Mtr 665.00</p> <p>(h) (i) 80 mm dia. light quality Mtr 706.00</p> <p>(ii) 80 mm dia. medium quality Mtr 818.00</p> <p>(i) (i) 100 mm dia. medium quality Mtr 1033.00</p> <p>(ii) 100 mm dia. heavy quality Mtr 1197.00</p> <p>(j) (i) 125 mm dia. medium quality Mtr 1325.00</p> <p>(ii) 125 mm dia. heavy quality Mtr 1495.00</p> <p>(k) (i) 150 mm dia. medium quality Mtr 1543.00</p> <p>(ii) 150 mm dia. heavy quality Mtr 1671.00</p> <p><b>(B) For Concealed Work</b></p> <p>(a) 15 mm dia. medium quality Mtr 238.00</p> <p>(b) 20 mm dia. medium quality Mtr 266.00</p> <p>(c) 25 mm dia. medium quality Mtr 364.00</p> |                              |      |

**SECTION (A) - PLUMBING WORKS**  
**(A)-(II) G.I. PIPE WORKS AND FITTINGS**

| Item No. | Description of Item  | All Districts of West Bengal |         |
|----------|--|------------------------------|---------|
|          |  | Unit                         | (Rs)    |
| 2        | Supplying, fitting and fixing in position G.I. pipes of TATA make for underground works with all necessary accessories, specials viz. socket, bend, tee, union, cross, elbow, nipple, short piece etc. including cost of all materials, jointing materials, cutting pipes, making threads, cutting trenches upto 1.5 metre below surface in all sorts of soil and refilling the same as directed with two coats of painting on G.I. pipes and specials with bituminous paint complete in all respect. (Payment will be made on the centre line measurement of the total pipe line including all specials No separate payment will be made for accessories, specials. Payment for painting will be made separately) |                              |         |
|          | (i) 15 mm dia. medium quality  | metre                        | 214.00  |
|          | (ii) 20 mm dia. medium quality   | metre                        | 240.00  |
|          | (iii) 25 mm dia. medium quality  | metre                        | 319.00  |
|          | (iv) 32 mm dia. medium quality   | metre                        | 354.00  |
|          | (v) 40 mm dia. medium quality  | metre                        | 400.00  |
|          | (vi) 50 mm dia. medium quality   | metre                        | 520.00  |
|          | (vii) 65 mm dia. medium quality  | metre                        | 645.00  |
|          | (viii) 80 mm dia. medium quality   | metre                        | 798.00  |
|          | (ix) 100 mm dia. medium quality  | metre                        | 1006.00 |
|          | (x) 125 mm dia. medium quality   | metre                        | 1299.00 |
|          | (xi) 150 mm dia. medium quality  | metre                        | 1510.00 |
| 3        | Supplying, fitting and fixing shower of approved brand and make.   |                              |         |
|          | (a) (i) Chromium plated round shower with revolving joint 100 mm dia with rubid cleaning system (Equivalent to Code No. 542(N) & Model - Tropical / Sumthing Special of ESSCO or similar brand).   | each                         | 452.00  |
|          | (ii) Chromium plated round shower with revolving joint (Equivalent to Code No. 541(N) & Model - Tropical / Sumthing Special of ESSCO or similar brand).  | each                         | 360.00  |

**SECTION (A) - PLUMBING WORKS**  
**(A)-(II) G.I. PIPE WORKS AND FITTINGS**

| Item No. | Description of Item  | All Districts of West Bengal |          |
|----------|--|------------------------------|----------|
|          |  | Unit                         | (Rs)     |
|          | (iii) Chromium plated shower arm 240 mm long (Equivalent to Code No. 536(A) & Model - Tropical / Sumthing Special of ESSCO or similar brand).  | each                         | 309.00   |
|          | (b) Chromium plated Rose shower with revolving joint and 150 mm long shower arm (Equivalent to Code No. 5489 & Model - Florentine of Jaquar or similar brand).                             | each                         | 1412.00  |
|          | (c) Chromium plated Hand shower 70mm dia Round Shape Single flow with Flexible Tube & fittings(Equivalent to Code No. ESH-5512 & Model - Tropical / Sumthing Special of ESSCO or similar). | each                         | 1228.00  |
|          | (d) Chromium plated Hand shower with Flexible Tube & fittings(Equivalent to Code No. Hsh-1937 & (Equivalent to Code No. 5037 & Model - Florentine of Jaquar or similar).).                 | each                         | 2390.00  |
|          | (e) Chromium plated double coat Hook(Equivalent to Code No. 35761 & Model - KUBIX of Jaquar or similar).   | each                         | 516.00   |
|          | (f) Hand Shower(Health Faucet) with 1mtr Flexible Tube with Wall Hook(Equivalent to Code No.573 & Model -ALLIED of Jaquar or similar).   | each                         | 1251.00  |
|          | (g) PTMT overhead shower ( Prayag or equivalent)   |                              |          |
|          | (i) 75 mm round  | each                         | 179.00   |
|          | (ii) 150 mm round  | each                         | 340.00   |
|          | (h) Polythene overhead shower of approved make<br>15 mm X 125 mm   | each                         | 154.00   |
|          | (i) (1) Chromium plated overhead Rain shower (Square), size-180x180mm with revolving joint (Model Code No. F7010501 of CERA or equivalent)   | each                         | 380.00   |
|          | (i) (2) Chromium plated overhead Rain shower (Round), size-200mm dia. with revolving joint (Model Code No. F7010601 of CERA or equivalent)   | each                         | 457.00   |
|          | (Note: Item 3(b, d, e & f) to be done as per specific direction of the Superintending Engineer)  |                              |          |
| 4        | Supplying, fitting and fixing Peet's valve fullway gunmetal standard pattern best quality of approved brand bearing I.S.I. marking with fittings (tested to 21 kg per sq. cm.).            |                              |          |
|          | (i) 100 mm dia   | each                         | 10910.00 |
|          | (ii) 80 mm dia   | each                         | 5526.00  |



**SECTION (A) - PLUMBING WORKS**  
**(A)-(II) G.I. PIPE WORKS AND FITTINGS**

| Item No. | Description of Item   | All Districts of West Bengal |          |
|----------|---|------------------------------|----------|
|          |   | Unit                         | (Rs)     |
|          | (iii) 65 mm dia   | each                         | 3949.00  |
|          | (iv) 50 mm dia  | each                         | 2362.00  |
|          | (v) 40 mm dia   | each                         | 1646.00  |
|          | (vi) 32 mm dia  | each                         | 1258.00  |
|          | (vii) 25 mm dia   | each                         | 912.00   |
|          | (viii) 20 mm dia  | each                         | 657.00   |
|          | (ix) 15 mm dia  | each                         | 521.00   |
| 5        | Supplying, fitting and fixing gunmetal wheel valve of approved brand and make tested to 21 kg per sq. cm. (for water lines only). |                              |          |
|          | (i) 100 mm dia  | each                         | 9608.00  |
|          | (ii) 80 mm dia  | each                         | 5591.00  |
|          | (iii) 65 mm dia   | each                         | 3929.00  |
|          | (iv) 50 mm dia  | each                         | 2277.00  |
|          | (v) 40 mm dia   | each                         | 1590.00  |
|          | (vi) 32 mm dia  | each                         | 1160.00  |
|          | (vii) 25 mm dia   | each                         | 778.00   |
|          | (viii) 20 mm dia  | each                         | 604.00   |
|          | (ix) 15 mm dia  | each                         | 438.00   |
| 6        | Supplying, fitting and fixing gunmetal wheel valve of approved brand and make tested to 35 kg per sq. cm. (for gas line only).    |                              |          |
|          | (i) 100 mm dia  | each                         | 12432.00 |
|          | (ii) 80 mm dia  | each                         | 6384.00  |
|          | (iii) 65 mm dia   | each                         | 5016.00  |
|          | (iv) 50 mm dia  | each                         | 3018.00  |
|          | (v) 40 mm dia   | each                         | 2151.00  |

**SECTION (A) - PLUMBING WORKS**  
**(A)-(II) G.I. PIPE WORKS AND FITTINGS**

| Item No. | Description of Item  | All Districts of West Bengal |         |
|----------|--|------------------------------|---------|
|          |  | Unit                         | (Rs)    |
| 7        | (vi) 32 mm dia   | each                         | 1622.00 |
|          | (vii) 25 mm dia  | each                         | 1138.00 |
|          | (viii) 20 mm dia   | each                         | 789.00  |
|          | (ix) 15 mm dia   | each                         | 582.00  |
|          | Supplying, fitting and fixing bib cock or stop cock.   |                              |         |
|          | (a) (i) Chromium plated Bib Cock short body (Equivalent to Code No. 511 & Model - Tropical / Sumthing Special of ESSCO or similar brand).                          | each                         | 539.00  |
|          | (ii) Chromium plated Bib Cock long body with wall flange with aerator (Equivalent to Code No. 512 & Model - Tropical / Sumthing Special of ESSCO or similar brand) | each                         | 659.00  |
|          | (b) (i) Chromium plated Stop Cock (Equivalent to Code No. 513(A) & 513(B) & Model - Tropical / Sumthing Special of ESSCO or similar brand).                        | each                         | 493.00  |
|          | (ii) Chromium plated Concealed Stop Cock (Equivalent to Code No. 514(A) & Model - Tropical / Sumthing Special of ESSCO or similar brand).                          | each                         | 674.00  |
|          | (c) (i) Chromium plated Bib Cock (angular shape with wall flange) (Equivalent to Code No. 5037 & Model - Florentine of Jaquar or similar brand).                   | each                         | 861.00  |
|          | (ii) Chromium plated Bib Cock with wall flange (Equivalent to Code No. 5047 & Model - Florentine of Jaquar or similar brand).                                      | each                         | 861.00  |
|          | (d) (i) Chromium plated angular Stop Cock with wall flange (Equivalent to Code No. 5053 & Model - Florentine of Jaquar or similar brand).                          | each                         | 815.00  |
|          | (ii) Chromium plated concealed Stop Cock heavy duty (Equivalent to Code No. 5083 & Model - Florentine of Jaquar or similar brand).                                 | each                         | 953.00  |
|          | (e) PTMT (Polytetra Bib Cock / Stop Cock ( Prayag or equivalent) 15 mm   | each                         | 154.00  |
|          | (f) (i) Polythene Bib Cock / Stop Cock (HD) with metal inlet (EMCO / ATLAS or equivalent) 15 mm  | each                         | 89.00   |
|          | (ii) Polythene Bib Cock / Stop Cock with plastic inlet (EMCO / ATLAS or equivalent) 15 mm  | each                         | 89.00   |

**SECTION (A) - PLUMBING WORKS**  
**(A)-(II) G.I. PIPE WORKS AND FITTINGS**

| Item No. | Description of Item  | All Districts of West Bengal |         |
|----------|--|------------------------------|---------|
|          |  | Unit                         | (Rs)    |
| 8        | <b>(g)</b> Supplying, fitting and fixing alloy iron with brass spindle bib cock/ stop cock of approved brand and make, spray painted and tested to 21 kg per sq. cm.         |                              |         |
|          | (i) 15 mm  | each                         | 169.00  |
|          | (ii) 20 mm   | each                         | 300.00  |
|          | (iii) 25 mm  | each                         | 488.00  |
|          | <b>(h)</b> Supplying, fitting and fixing of Chromium plated Turn type single lever <b>concealed Diverter</b> with lever, tip ton knob and flange of approved brand and make. |                              |         |
|          | (h) (i) Exposed Part:- (Model Code No.F2004703 of CERA or equivalent)  | each                         | 1054.00 |
|          | (h) (ii) Concealed Part:- (Model Code No. F4010105 of CERA or equivalent)  | each                         | 2034.00 |
|          | <b>(Note: Item 7c(i), (ii) &amp; 7d (i), (ii) to be done as per specific direction of the Superintending Engineer.)</b>  |                              |         |
|          | Supplying, fitting and fixing push cock of heavy quality and of approved make and brand.   |                              |         |
|          | <b>(a)</b> Cast iron   |                              |         |
|          | (i) 15 mm  | each                         | 201.00  |
|          | (ii) 20 mm   | each                         | 222.00  |
|          | <b>(b)</b> Cast iron with brass spindle  |                              |         |
|          | (i) 15 mm  | each                         | 208.00  |
|          | (ii) 20 mm   | each                         | 248.00  |
|          | <b>(c)</b> (i) PTMT Push Cock (20 mm F/T) with spout ( Prayag or equivalent)   | each                         | 154.00  |
|          | (ii) PTMT Push Cock with reducer 15x20 mm ( Prayag or equivalent)  | each                         | 185.00  |
|          | (iii) PTMT Push Cock 15 mm (Female thread) ( Prayag or equivalent)   | each                         | 136.00  |
|          | (iv) PTMT Push Cock 15 mm with spout ( Prayag or equivalent)   | each                         | 144.00  |
|          | <b>(d)</b> Polythene   |                              |         |
|          | (i) 15 mm  | each                         | 84.00   |

**SECTION (A) - PLUMBING WORKS**  
**(A)-(II) G.I. PIPE WORKS AND FITTINGS**

| Item No. | Description of Item   | All Districts of West Bengal |          |
|----------|---|------------------------------|----------|
|          |   | Unit                         | (Rs)     |
| 9        | (ii) 20 mm  | each                         | 96.00    |
|          | C.I. sluice valve with flanged ends drilled to as per I.S. 1358/62 and having all cast iron components as per I.S. 780/71 solid forged bronze inside screw spindle having ultimate tensile strength not less than 4.72 MT per sq. cm. Spindle nut valve and seat faces of hard wear resisting, manufactured from best quality gunmetal conforming to I.S. 780/71, painted black all over with asphalt base paint tested to 21 kg (hydraulic pressure) per sq. cm., valve opening to anticlockwise direction, fitted and fixed complete. |                              |          |
|          | (i) 50 mm   | each                         | 2757.00  |
|          | (ii) 80 mm  | each                         | 3857.00  |
|          | (iii) 100mm   | each                         | 5067.00  |
|          | (iv) 125mm  | each                         | 6277.00  |
|          | (v) 150 mm  | each                         | 7487.00  |
|          | (vi) 200 mm   | each                         | 14769.00 |
|          | (vii) 250 mm  | each                         | 20429.00 |
|          | (viii) 300 mm   | each                         | 24205.00 |
| 10       | Sluice valve chamber with C.I. heavy cover with locking arrangement, (weight not less than 25 kg) (size of chamber 450 mm X 600 mm inside upto 900 mm depth) 250 mm thick cement brick walls (6:1), 150 mm thick cement concrete (6:3:1) bed with stone chips, 20 mm thick cement plaster (6:1) for inside wall and 15 mm thick cement plaster (4:1) for outer walls including rounding corners.  | each set                     | 10459.00 |
| 11       | Supplying, fitting and fixing C.I. tail pieces in pair conforming to I.S. specifications.   |                              |          |
|          | (i) 100 mm  | each pair                    | 1977.00  |
|          | (ii) 80 mm  | each pair                    | 1510.00  |

**SECTION (A) - PLUMBING WORKS**  
**(A)-(II) G.I. PIPE WORKS AND FITTINGS**

| Item No. | Description of Item   | All Districts of West Bengal |         |
|----------|---|------------------------------|---------|
|          |   | Unit                         | (Rs)    |
| 12       | Supplying, fitting and fixing cast iron spun pipe conforming to I.S. 1536/1976 with all necessary specials including cutting trenches in any soil or through masonry, concrete etc., if necessary, and mending good all damages including jointing pipes with Tyton joints as per manufacturer's specifications and filling up the trenches all complete but excluding the cost of masonry or concrete work, if required. |                              |         |
|          | <b>(a) Class A:</b>   |                              |         |
|          | (i) 80 mm nominal dia.  | metre                        | 1238.00 |
|          | (ii) 100 mm nominal dia.  | metre                        | 1419.00 |
|          | (iii) 125 mm nominal dia.   | metre                        | 1963.00 |
|          | (iv) 150 mm nominal dia.  | metre                        | 2206.00 |
|          | (v) 200 mm nominal dia.   | metre                        | 3251.00 |
|          | (vi) 250 mm nominal dia.  | metre                        | 4221.00 |
|          | (vii) 300 mm nominal dia.   | metre                        | 5434.00 |
|          | <b>(b) Class B:</b>   |                              |         |
|          | (i) 80 mm nominal dia.  | metre                        | 1342.00 |
|          | (ii) 100 mm nominal dia.  | metre                        | 1540.00 |
|          | (iii) 125 mm nominal dia.   | metre                        | 2134.00 |
|          | (iv) 150 mm nominal dia.  | metre                        | 2398.00 |
|          | (v) 200 mm nominal dia.   | metre                        | 3537.00 |
|          | (vi) 250 mm nominal dia.  | metre                        | 4595.00 |
|          | (vii) 300 mm nominal dia.   | metre                        | 5918.00 |
|          | <b>(c) Class LA:</b>  |                              |         |
|          | (i) 80 mm nominal dia.  | metre                        | 1133.00 |
|          | (ii) 100 mm nominal dia.  | metre                        | 1298.00 |
|          | (iii) 125 mm nominal dia.   | metre                        | 1793.00 |

**SECTION (A) - PLUMBING WORKS**  
**(A)-(II) G.I. PIPE WORKS AND FITTINGS**

| Item No. | Description of Item  | All Districts of West Bengal |         |
|----------|--|------------------------------|---------|
|          |  | Unit                         | (Rs)    |
|          | (iv) 150 mm nominal dia.   | metre                        | 2013.00 |
|          | (v) 200 mm nominal dia.  | metre                        | 2965.00 |
|          | (vi) 250 mm nominal dia.   | metre                        | 3847.00 |
|          | (vii) 300 mm nominal dia.  | metre                        | 4947.00 |
| 13       | Renewing specials only of cast iron spun pipe conforming to I.S. 1536/1976 including cutting trenches in any soil or through masonry, concrete etc., if necessary and mending good damages including jointing with Tyton joints as per manufacturer's specifications excluding the cost of concrete or masonry work, if required, but including the cost of filling up trenches (for all dia. specials, payment will be made on the basis of actual weight of the specials). | Kg                           | 91.00   |
| 14       | Supplying, fitting and fixing C.I. holder bat clamp including cutting holes in wall etc. and mending good all damages in cement concrete with jhama chips (4:2:1) and cement plaster (6:1) to match and curing complete in all respect.  |                              |         |
|          | (i) 15 mm  | each                         | 25.00   |
|          | (ii) 20 mm   | each                         | 29.00   |
|          | (iii) 25mm   | each                         | 31.00   |
|          | (iv) 32mm  | each                         | 46.00   |
|          | (v) 40 mm  | each                         | 48.00   |
|          | (vi) 50 mm   | each                         | 57.00   |
|          | (vii) 65 mm  | each                         | 121.00  |
|          | (viii) 80 mm   | each                         | 146.00  |
|          | (ix) 100 mm  | each                         | 166.00  |
| 15       | Supplying, fitting and fixing self closing C.P. water tap of approved brand and make - 15 mm dia.  | each                         | 273.00  |
| 16       | Supplying, fitting and fixing G.I. gravity operated water tap for public use with pilfer proof arrangement of approved brand and make.   |                              |         |
|          | (i) 15 mm dia.   | each                         | 298.00  |
|          | (ii) 20 mm dia.  | each                         | 343.00  |
| 17       | Supplying, fitting and fixing steel reducing bush.   |                              |         |
|          | (i) 20 mm X 15 mm and below  | each                         | 24.00   |

**SECTION (A) - PLUMBING WORKS**  
**(A)-(II) G.I. PIPE WORKS AND FITTINGS**

| Item No. | Description of Item   | All Districts of West Bengal |       |
|----------|---|------------------------------|-------|
|          |   | Unit                         | (Rs)  |
| 18       | (ii) 25 mm X 20 mm and below  | each                         | 28.00 |
|          | (iii) 15 mm X 10 mm and below   | each                         | 24.00 |
|          | (iv) 32 mm X 25 mm  | each                         | 47.00 |
|          | (v) 40 mm X 32 mm   | each                         | 59.00 |
|          | (vi) 50 mm X 40 mm  | each                         | 92.00 |
|          | Labour for fitting and fixing high density poly-ethylene pipes or P.V.C. pipes for above ground work including cost of jointing materials paints etc. fitting and fixing all necessary specials, cutting pipes, making threads, cutting holes in walls or R.C. floor where necessary and mending good all damages excluding the cost of masonry or concrete work, if necessary, but including the cost and fitting and fixing holder bat clamps(any floor) or for underground work including cutting trenches upto 1.5 metre and refilling the same complete as per direction of the Engineer-in-charge. (Payment will be made on centre line measurement of the total pipeline including specials. ) |                              |       |
|          | <b>(A)Above Ground</b>  |                              |       |
|          | (i) 15 mm dia.  | metre                        | 26.00 |
|          | (ii) 20mm dia.  | metre                        | 27.00 |
|          | (iii) 25 mm dia.  | metre                        | 28.00 |
|          | (iv) 32 mm dia.   | metre                        | 28.00 |
|          | (v) 40 mm dia.  | metre                        | 37.00 |
|          | (vi) 50 mm dia.   | metre                        | 40.00 |
|          | (vii) 65 mm dia.  | metre                        | 47.00 |
|          | (viii) 75 mm dia. / 80 mm dia.  | metre                        | 56.00 |
|          | (ix) 100 mm dia. / 110 mm dia.  | metre                        | 58.00 |
|          | (x) 140 mm dia.   | metre                        | 74.00 |
|          | (xi) 160 mm dia.  | metre                        | 75.00 |
|          | <b>(B)Under Ground</b>  |                              |       |
|          | (i) 15 mm dia.  | metre                        | 42.00 |

**SECTION (A) - PLUMBING WORKS**  
**(A)-(II) G.I. PIPE WORKS AND FITTINGS**

| Item No. | Description of Item  | All Districts of West Bengal |         |
|----------|--|------------------------------|---------|
|          |  | Unit                         | (Rs)    |
|          | (ii) 20mm dia.   | metre                        | 42.00   |
|          | (iii) 25 mm dia.   | metre                        | 42.00   |
|          | (iv) 32 mm dia.  | metre                        | 42.00   |
|          | (v) 40 mm dia.   | metre                        | 47.00   |
|          | (vi) 50 mm dia.  | metre                        | 60.00   |
|          | (vii) 65 mm dia.   | metre                        | 71.00   |
|          | (viii) 75 mm dia. / 80 mm dia.   | metre                        | 85.00   |
|          | (ix) 100 mm dia. / 110 mm dia.   | metre                        | 87.00   |
|          | (x) 140 mm dia.  | metre                        | 88.00   |
|          | (xi) 160 mm dia.   | metre                        | 95.00   |
| 19(I)    | <p>Supplying, fitting and fixing PVC pipes of approved make of <b>Schedule 80 (medium duty)</b> conforming to ASTM D - 1785 and threaded to match with GI Pipes as per IS : 1239 (Part - I). with all necessary accessories, specials viz. socket, bend, tee, union, cross, elbo, nipple, long screw, reducing socket, reducing tee, short piece etc. fitted with holder bats clamps, including cutting pipes, making threads, fitting, fixing etc. complete in all respect including cost of all necessary fittings as required, jointing materials and two coats of painting with approved paint in any position above ground. (Payment will be made on the centre line measurements of total pipe line including all specials. No separate payment will be made for accessories, specials. Payment for painting will be made separately)</p> <p><b>(a) For Exposed Work</b></p> <p><b>PVC Pipes</b></p> <p><b>(Dia)</b></p> <p>15 mm</p> <p>20 mm</p> <p>25 mm</p> <p>32 mm</p> <p>40 mm</p> <p>50 mm</p> <p>65 mm</p> <p>80 mm</p> <p>100 mm</p> <p>125 mm</p> <p>150 mm</p> <p>200 mm</p> <p>250 mm</p> | metre                        | 101.00  |
|          |  | metre                        | 129.00  |
|          |  | metre                        | 177.00  |
|          |  | metre                        | 236.00  |
|          |  | metre                        | 292.00  |
|          |  | metre                        | 384.00  |
|          |  | metre                        | 599.00  |
|          |  | metre                        | 768.00  |
|          |  | metre                        | 1134.00 |
|          |  | metre                        | 1504.00 |
|          |  | metre                        | 1824.00 |
|          |  | metre                        | 2703.00 |
|          |  | metre                        | 3712.00 |



**SECTION (A) - PLUMBING WORKS**  
**(A)-(II) G.I. PIPE WORKS AND FITTINGS**

| Item No. | Description of Item   | All Districts of West Bengal |         |
|----------|---|------------------------------|---------|
|          |   | Unit                         | (Rs)    |
|          | 300 mm  | metre                        | 5090.00 |
|          | <b>(b) For Concealed Work</b>   |                              |         |
|          | <b>(Dia)</b>  |                              |         |
|          | 15 mm   | metre                        | 137.00  |
|          | 20 mm   | metre                        | 158.00  |
|          | 25 mm   | metre                        | 205.00  |
| 19(II)   | Supplying, fitting and fixing PVC pipes for underground work of approved make of <b>Schedule 80 (medium duty)</b> conforming to ASTM D - 1785 and threaded to match with GI Pipes as per IS : 1239 (Part - I). with all necessary accessories, specials viz. socket, bend, tee, union, cross, elbo, nipple, long screw, reducing socket, reducing tee, short piece etc. fitted including cost of all materials, jointing materials, cutting pipes, making threads, cutting trenches upto 1.5 metre below surface in all sorts of soil and refilling the same as directed complete in all respect. (Payment will be made on the centre line measurement of the total pipe line including all specials No separate payment will be made for accessories, specials.) |                              |         |
|          | <b>PVC Pipes</b>  |                              |         |
|          | <b>(Dia)</b>  |                              |         |
|          | 15 mm   | metre                        | 117.00  |
|          | 20 mm   | metre                        | 143.00  |
|          | 25 mm   | metre                        | 191.00  |
|          | 32 mm   | metre                        | 250.00  |
|          | 40 mm   | metre                        | 311.00  |
|          | 50 mm   | metre                        | 403.00  |
|          | 65 mm   | metre                        | 652.00  |
|          | 80 mm   | metre                        | 795.00  |
|          | 100 mm  | metre                        | 1162.00 |
|          | 125 mm  | metre                        | 1532.00 |
|          | 150 mm  | metre                        | 1836.00 |
|          | 200 mm  | metre                        | 2716.00 |
|          | 250 mm  | metre                        | 3718.00 |
|          | 300 mm  | metre                        | 5102.00 |
| 19(III)  | Supply of PVC pipes & fittings <b>Schedule 80 (medium duty)</b> conforming to ASTM D - 1785 and threaded to match with GI Pipes as per IS : 1239 (Part - I).  |                              |         |
|          | <b>(A) PVC Pipes</b>  |                              |         |
|          | <b>(Dia)</b>  |                              |         |
|          | 15 mm   | metre                        | 61.00   |
|          | 20 mm   | metre                        | 83.00   |
|          | 25 mm   | metre                        | 121.00  |
|          | 32 mm   | metre                        | 169.00  |
|          | 40 mm   | metre                        | 207.00  |
|          | 50 mm   | metre                        | 282.00  |
|          | 65 mm   | metre                        | 456.00  |

**SECTION (A) - PLUMBING WORKS**  
**(A)-(II) G.I. PIPE WORKS AND FITTINGS**

| Item No. | Description of Item              | All Districts of West Bengal |         |
|----------|----------------------------------|------------------------------|---------|
|          |                                  | Unit                         | (Rs)    |
|          | 80 mm                            | metre                        | 578.00  |
|          | 100 mm                           | metre                        | 874.00  |
|          | 125 mm                           | metre                        | 1174.00 |
|          | 150 mm                           | metre                        | 1420.00 |
|          | 200 mm                           | metre                        | 2134.00 |
|          | 250 mm                           | metre                        | 2947.00 |
|          | 300 mm                           | metre                        | 4071.00 |
|          | <b>(B) Socket</b>                |                              |         |
|          | <b>(Dia)</b>                     |                              |         |
|          | 15 mm                            | Each                         | 10.00   |
|          | 20 mm                            | Each                         | 14.00   |
|          | 25 mm                            | Each                         | 23.00   |
|          | 32 mm                            | Each                         | 33.00   |
|          | 40 mm                            | Each                         | 42.00   |
|          | 50 mm                            | Each                         | 53.00   |
|          | 65 mm                            | Each                         | 111.00  |
|          | 80 mm                            | Each                         | 180.00  |
|          | 100 mm                           | Each                         | 242.00  |
|          | 125 mm                           | Each                         | 255.00  |
|          | 150 mm                           | Each                         | 303.00  |
|          | 200 mm                           | Each                         | 523.00  |
|          | 250 mm                           | Each                         | 660.00  |
|          | 300 mm                           | Each                         | 880.00  |
|          | <b>(C) Elbow</b>                 |                              |         |
|          | <b>(Dia)</b>                     |                              |         |
|          | 15 mm                            | Each                         | 13.00   |
|          | 20 mm                            | Each                         | 18.00   |
|          | 25 mm                            | Each                         | 27.00   |
|          | 32 mm                            | Each                         | 41.00   |
|          | 40 mm                            | Each                         | 69.00   |
|          | 50 mm                            | Each                         | 113.00  |
|          | 65 mm                            | Each                         | 165.00  |
|          | 80 mm                            | Each                         | 266.00  |
|          | 100 mm                           | Each                         | 479.00  |
|          | 125 mm                           | Each                         | 600.00  |
|          | 150 mm                           | Each                         | 1261.00 |
|          | 200 mm                           | Each                         | 1595.00 |
|          | 250 mm                           | Each                         | 2090.00 |
|          | 300 mm                           | Each                         | 2530.00 |
|          | <b>(D) Long Bend (90 Degree)</b> |                              |         |
|          | <b>(Dia)</b>                     |                              |         |
|          | 15 mm                            | Each                         | 25.00   |
|          | 20 mm                            | Each                         | 35.00   |
|          | 25 mm                            | Each                         | 59.00   |
|          | 32 mm                            | Each                         | 95.00   |

**SECTION (A) - PLUMBING WORKS**  
**(A)-(II) G.I. PIPE WORKS AND FITTINGS**

| Item No. | Description of Item                | All Districts of West Bengal |         |
|----------|------------------------------------|------------------------------|---------|
|          |                                    | Unit                         | (Rs)    |
|          | 40 mm                              | Each                         | 143.00  |
|          | 50 mm                              | Each                         | 201.00  |
|          | 65 mm                              | Each                         | 398.00  |
|          | 80 mm                              | Each                         | 592.00  |
|          | 100 mm                             | Each                         | 825.00  |
|          | 125 mm                             | Each                         | 1018.00 |
|          | 150 mm                             | Each                         | 1144.00 |
|          | 200 mm                             | Each                         | 3179.00 |
|          | 250 mm                             | Each                         | 3960.00 |
|          | 300 mm                             | Each                         | 4785.00 |
|          | <b>(E) Tee</b>                     |                              |         |
|          | <b>(Dia)</b>                       |                              |         |
|          | 15 mm                              | Each                         | 14.00   |
|          | 20 mm                              | Each                         | 23.00   |
|          | 25 mm                              | Each                         | 36.00   |
|          | 32 mm                              | Each                         | 56.00   |
|          | 40 mm                              | Each                         | 99.00   |
|          | 50 mm                              | Each                         | 125.00  |
|          | 65 mm                              | Each                         | 241.00  |
|          | 80 mm                              | Each                         | 349.00  |
|          | 100 mm                             | Each                         | 642.00  |
|          | 125 mm                             | Each                         | 863.00  |
|          | 150 mm                             | Each                         | 2255.00 |
|          | 200 mm                             | Each                         | 3355.00 |
|          | 250 mm                             | Each                         | 4345.00 |
|          | 300 mm                             | Each                         | 5170.00 |
|          | <b>(F) (i) Nipple (75 mm long)</b> |                              |         |
|          | <b>(Dia)</b>                       |                              |         |
|          | 15 mm                              | Each                         | 11.00   |
|          | 20 mm                              | Each                         | 15.00   |
|          | 25 mm                              | Each                         | 19.00   |
|          | 32 mm                              | Each                         | 28.00   |
|          | 40 mm                              | Each                         | 34.00   |
|          | 50 mm                              | Each                         | 36.00   |
|          | 65 mm                              | Each                         | 56.00   |
|          | 80 mm                              | Each                         | 83.00   |
|          | 100 mm                             | Each                         | 95.00   |
|          | <b>(ii) Nipple (100 mm long)</b>   |                              |         |
|          | <b>(Dia)</b>                       |                              |         |
|          | 15 mm                              | Each                         | 17.00   |
|          | 20 mm                              | Each                         | 23.00   |
|          | 25 mm                              | Each                         | 26.00   |
|          | 32 mm                              | Each                         | 35.00   |
|          | 40 mm                              | Each                         | 40.00   |
|          | 50 mm                              | Each                         | 42.00   |

**SECTION (A) - PLUMBING WORKS**  
**(A)-(II) G.I. PIPE WORKS AND FITTINGS**

| Item No. | Description of Item               | All Districts of West Bengal |         |
|----------|-----------------------------------|------------------------------|---------|
|          |                                   | Unit                         | (Rs)    |
|          | <b>(iii) Nipple (150 mm long)</b> |                              |         |
|          | <b>(Dia)</b>                      |                              |         |
|          | 15 mm                             | Each                         | 19.00   |
|          | 20 mm                             | Each                         | 26.00   |
|          | 25 mm                             | Each                         | 28.00   |
|          | 32 mm                             | Each                         | 36.00   |
|          | 40 mm                             | Each                         | 44.00   |
|          | 50 mm                             | Each                         | 52.00   |
|          | 65 mm                             | Each                         | 95.00   |
|          | 80 mm                             | Each                         | 123.00  |
|          | 100 mm                            | Each                         | 137.00  |
|          | <b>(iv) Nipple (200 mm long)</b>  |                              |         |
|          | <b>(Dia)</b>                      |                              |         |
|          | 15 mm                             | Each                         | 26.00   |
|          | 20 mm                             | Each                         | 35.00   |
|          | 25 mm                             | Each                         | 47.00   |
|          | 32 mm                             | Each                         | 56.00   |
|          | 40 mm                             | Each                         | 70.00   |
|          | 50 mm                             | Each                         | 126.00  |
|          | 65 mm                             | Each                         | 164.00  |
|          | 80 mm                             | Each                         | 219.00  |
|          | 100 mm                            | Each                         | 263.00  |
|          | <b>(v) Nipple (300 mm long)</b>   |                              |         |
|          | <b>(Dia)</b>                      |                              |         |
|          | 15 mm                             | Each                         | 28.00   |
|          | 20 mm                             | Each                         | 38.00   |
|          | 25 mm                             | Each                         | 53.00   |
|          | 32 mm                             | Each                         | 64.00   |
|          | 40 mm                             | Each                         | 85.00   |
|          | 50 mm                             | Each                         | 103.00  |
|          | 65 mm                             | Each                         | 169.00  |
|          | 80 mm                             | Each                         | 228.00  |
|          | 100 mm                            | Each                         | 375.00  |
|          | 125 mm                            | Each                         | 328.00  |
|          | 150 mm                            | Each                         | 450.00  |
|          | 200 mm                            | Each                         | 681.00  |
|          | 250 mm                            | Each                         | 1032.00 |
|          | 300 mm                            | Each                         | 1568.00 |
|          | <b>(G) Flange</b>                 |                              |         |
|          | <b>(Dia)</b>                      |                              |         |
|          | 15 mm                             | Pair                         | 47.00   |
|          | 20 mm                             | Pair                         | 66.00   |
|          | 25 mm                             | Pair                         | 85.00   |
|          | 32 mm                             | Pair                         | 104.00  |
|          | 40 mm                             | Pair                         | 131.00  |

**SECTION (A) - PLUMBING WORKS**  
**(A)-(II) G.I. PIPE WORKS AND FITTINGS**

| Item No. | Description of Item         | All Districts of West Bengal |         |
|----------|-----------------------------|------------------------------|---------|
|          |                             | Unit                         | (Rs)    |
|          | 50 mm                       | Pair                         | 160.00  |
|          | 65 mm                       | Pair                         | 253.00  |
|          | 80 mm                       | Pair                         | 310.00  |
|          | 100 mm                      | Pair                         | 363.00  |
|          | 125 mm                      | Pair                         | 469.00  |
|          | 150 mm                      | Pair                         | 591.00  |
|          | 200 mm                      | Pair                         | 891.00  |
|          | 250 mm                      | Pair                         | 1032.00 |
|          | 300 mm                      | Pair                         | 1313.00 |
|          | <b>(H) Threaded Adopter</b> |                              |         |
|          | <b>(Dia)</b>                |                              |         |
|          | 15 mm                       | Each                         | 11.00   |
|          | 20 mm                       | Each                         | 15.00   |
|          | 25 mm                       | Each                         | 19.00   |
|          | 32 mm                       | Each                         | 38.00   |
|          | 40 mm                       | Each                         | 68.00   |
|          | 50 mm                       | Each                         | 94.00   |
|          | 65 mm                       | Each                         | 113.00  |
|          | 80 mm                       | Each                         | 131.00  |
|          | 100 mm                      | Each                         | 178.00  |
|          | 125 mm                      | Each                         | 235.00  |
|          | 150 mm                      | Each                         | 272.00  |
|          | 200 mm                      | Each                         | 666.00  |
|          | <b>(I) Union</b>            |                              |         |
|          | <b>(Dia)</b>                |                              |         |
|          | 15 mm                       | Each                         | 28.00   |
|          | 20 mm                       | Each                         | 41.00   |
|          | 25 mm                       | Each                         | 56.00   |
|          | 32 mm                       | Each                         | 85.00   |
|          | 40 mm                       | Each                         | 122.00  |
|          | 50 mm                       | Each                         | 150.00  |
|          | <b>(J) Threaded End Cap</b> |                              |         |
|          | <b>(Dia)</b>                |                              |         |
|          | 15 mm                       | Each                         | 10.00   |
|          | 20 mm                       | Each                         | 14.00   |
|          | 25 mm                       | Each                         | 18.00   |
|          | 32 mm                       | Each                         | 23.00   |
|          | 40 mm                       | Each                         | 34.00   |
|          | 50 mm                       | Each                         | 46.00   |
|          | 65 mm                       | Each                         | 70.00   |
|          | 80 mm                       | Each                         | 85.00   |
|          | 100 mm                      | Each                         | 123.00  |
|          | 125 mm                      | Each                         | 294.00  |
|          | 150 mm                      | Each                         | 302.00  |
|          | 200 mm                      | Each                         | 729.00  |
|          | 250 mm                      | Each                         | 951.00  |

**SECTION (A) - PLUMBING WORKS**  
**(A)-(II) G.I. PIPE WORKS AND FITTINGS**

| Item No. | Description of Item                  | All Districts of West Bengal |         |
|----------|--------------------------------------|------------------------------|---------|
|          |                                      | Unit                         | (Rs)    |
|          | 300 mm                               | Each                         | 1149.00 |
|          | <b>(K) End Plug</b>                  |                              |         |
|          | <b>(Dia)</b>                         |                              |         |
|          | 100 mm                               | Each                         | 220.00  |
|          | 125 mm                               | Each                         | 611.00  |
|          | 150 mm                               | Each                         | 907.00  |
|          | 200 mm                               | Each                         | 1072.00 |
|          | 250 mm                               | Each                         | 1452.00 |
|          | <b>(L) Reducing Socket (mm X mm)</b> |                              |         |
|          | 20 X 15                              | Each                         | 15.00   |
|          | 25 X 15                              | Each                         | 26.00   |
|          | 25 X 20                              | Each                         | 23.00   |
|          | 32 X 25                              | Each                         | 30.00   |
|          | 40 X 25                              | Each                         | 71.00   |
|          | 40 X 32                              | Each                         | 43.00   |
|          | 50 X 25                              | Each                         | 137.00  |
|          | 50 X 40                              | Each                         | 66.00   |
|          | 65 X 40                              | Each                         | 114.00  |
|          | 65 X 50                              | Each                         | 117.00  |
|          | 80 X 40                              | Each                         | 136.00  |
|          | 80 X 50                              | Each                         | 141.00  |
|          | 80 X 65                              | Each                         | 151.00  |
|          | 100 X 40                             | Each                         | 202.00  |
|          | 100 X 50                             | Each                         | 171.00  |
|          | 100 X 80                             | Each                         | 142.00  |
|          | 125 X 50                             | Each                         | 216.00  |
|          | 125 X 80                             | Each                         | 807.00  |
|          | 125 X 100                            | Each                         | 648.00  |
|          | 150 X 50                             | Each                         | 657.00  |
|          | 150 X 80                             | Each                         | 455.00  |
|          | 150 X 100                            | Each                         | 443.00  |
|          | 150 X 125                            | Each                         | 470.00  |
|          | <b>(M) Reducing Tee (mm X mm)</b>    |                              |         |
|          | 20 X 15                              | Each                         | 37.00   |
|          | 25 X 15                              | Each                         | 43.00   |
|          | 25 X 20                              | Each                         | 47.00   |
|          | 40 X 15                              | Each                         | 101.00  |
|          | 40 X 20                              | Each                         | 102.00  |
|          | 40 X 25                              | Each                         | 74.00   |
|          | 40 X 32                              | Each                         | 153.00  |
|          | 50 X 15                              | Each                         | 235.00  |
|          | 50 X 25                              | Each                         | 210.00  |
|          | 50 X 32                              | Each                         | 181.00  |
|          | 65 X 25                              | Each                         | 218.00  |
|          | 65 X 40                              | Each                         | 302.00  |

**SECTION (A) - PLUMBING WORKS**  
**(A)-(II) G.I. PIPE WORKS AND FITTINGS**

| Item No. | Description of Item  | All Districts of West Bengal |        |
|----------|--|------------------------------|--------|
|          |  | Unit                         | (Rs)   |
| 20       | 65 X 50  | Each                         | 295.00 |
|          | 80 X 25  | Each                         | 468.00 |
|          | 100 X 32   | Each                         | 723.00 |
|          | 100 X 65   | Each                         | 758.00 |
|          | <b>(N) Reducing Elbow (mm X mm)</b>  |                              |        |
|          | 25 X 15  | Each                         | 67.00  |
|          | 25 X 20  | Each                         | 63.00  |
|          | 80 X 50  | Each                         | 235.00 |
|          | <b>(O) Solvent Cement</b>  |                              |        |
|          | 250 Gm.  | 250 gm.                      | 130.00 |
|          | Supply of High Density Poly-ethylene Pipe conforming to IS - 4984 - 1985 (Dia) [PE - 63]   |                              |        |
|          | <b>A. 6 Kg / Sq.Cm. (Working Pressure)</b>   |                              |        |
|          | <b>(Dia)</b>   |                              |        |
|          | 40 mm  | m                            | 72.00  |
|          | 50 mm  | m                            | 110.00 |
|          | 63 mm  | m                            | 174.00 |
|          | 75 mm  | m                            | 248.00 |
|          | 110 mm   | m                            | 545.00 |
|          | <b>B. 10 Kg / Sq.Cm. (Working Pressure)</b>  |                              |        |
|          | <b>(Dia)</b>   |                              |        |
|          | 15 mm  | m                            | 22.00  |
|          | 20 mm  | m                            | 28.00  |
|          | 25 mm  | m                            | 44.00  |
|          | 32 mm  | m                            | 70.00  |
| 21       | Supply, Fitting & Fixing 3 layer PP-R (Poly-propylene Random Copolymer) U.V STABILISED and anti-microbial fusion welded pipes conforming to IS:15801-2008,for hot & cold water supply including necessary fittings and joining materials as required complete as per direction of Engineer-in-charge. (Payment will be made on the centre line measurement of the total pipe line including all specials. No seperate payment will be made for accessories, specials etc.) |                              |        |
|          | <b>A. For Exposed Work</b>   |                              |        |
|          | <b>I)SDR 7.4/PN-16 Pipes</b>   |                              |        |
|          | 20 mm (outer dia )   | m                            | 134.00 |
|          | 25 mm ( outer dia )  | m                            | 187.00 |
|          | 32 mm ( outer dia )  | m                            | 206.00 |
|          | 40 mm ( outer dia )  | m                            | 316.00 |
|          | <b>II)SDR 11/PN-10 Pipes</b>   |                              |        |
|          | 50 mm ( outer dia )  | m                            | 335.00 |
|          | 63 mm ( outer dia )  | m                            | 410.00 |

**SECTION (A) - PLUMBING WORKS**  
**(A)-(II) G.I. PIPE WORKS AND FITTINGS**

| Item No. | Description of Item   | All Districts of West Bengal |         |
|----------|---|------------------------------|---------|
|          |   | Unit                         | (Rs)    |
|          | 75 mm ( outer dia )   | m                            | 532.00  |
|          | 90 mm ( outer dia )   | m                            | 754.00  |
|          | 110 mm ( outer dia )  | m                            | 1078.00 |
|          | <b>B. For Concealed Work</b>  |                              |         |
|          | <b>I)SDR 7.4/PN-16 Pipes</b>  |                              |         |
|          | 20 mm (outer dia )  | m                            | 167.00  |
|          | 25 mm ( outer dia )   | m                            | 216.00  |
|          | 32 mm ( outer dia )   | m                            | 247.00  |
| 22       | Supply ,Fitting & Fixing of PVC Bottle waste tap  |                              |         |
|          | i) 32 mm  | Each                         | 157.00  |
|          | ii) 40 mm   | Each                         | 164.00  |
| 23       | Supply, Fitting & Fixing of 32 mm PVC Waste Nozzle with jamnut, full thread or half thread complete.    | Each                         | 48.00   |
| 24       | Supply, Fitting & Fixing of 40 mm PVC Waste Nozzle with jamnut, full thread or half thread complete.    | Each                         | 54.00   |
| 25       | Supply, Fitting & Fixing of Plug with chain for waste with jamnut, full thread or half thread complete. | Each                         | 33.00   |
| 26       | Supply, Fitting & Fixing of Polythene Coupling - (Nipple & Nut) 15 mm size                              | Each                         | 28.00   |
| 27       | Supply, Fitting & Fixing of Polythene Coupling - (Nipple & Nut) 20 mm size                              | Each                         | 28.00   |
| 28       | Supply, Fitting & Fixing of Polythene Coupling - (Nipple & Nut) 25 mm size                              | Each                         | 29.00   |
| 29       | Supply, Fitting & Fixing of Polythene Coupling - (Nipple & Nut) 32 mm size                              | Each                         | 29.00   |
| 30       | Supply, Fitting & Fixing of Polythene Coupling - (Nipple & Nut) 40 mm size                              | Each                         | 40.00   |
| 31       | Supply, Fitting & Fixing of Polythene Coupling - (Nipple & Nut) 50 mm size                              | Each                         | 45.00   |
| 32       | Supply, Fitting & Fixing of Polythene flange.   |                              |         |
|          | i) 15 mm dia  | Each                         | 42.00   |
|          | ii) 20 mm dia   | Each                         | 60.00   |
|          | iii) 25 mm dia  | Each                         | 68.00   |
|          | iv) 40 mm dia   | Each                         | 114.00  |



**SECTION (A) - PLUMBING WORKS**  
**(A)-(II) G.I. PIPE WORKS AND FITTINGS**

| Item No. | Description of Item  | All Districts of West Bengal |        |
|----------|--|------------------------------|--------|
|          |  | Unit                         | (Rs)   |
| 33       | v) 50 mm dia   | Each                         | 135.00 |
|          | (A) Labour for fitting and fixing G.I. pipes above ground ( <b>exposed</b> ) in structures with holder bat clamps including cost of jointing materials, holder bat clamps etc.,as necessary, including cutting pipe, making threads etc. complete in all respect with two coats of painting with approved paint any height. (Payment will be made on the centre line measurement of the total pipeline including specials. Payment of painting will be paid seperately)    |                              |        |
|          | (i) 15 mm dia.   | metre                        | 46.00  |
|          | (ii) 20 mm dia.  | metre                        | 53.00  |
|          | (iii) 25 mm dia.   | metre                        | 54.00  |
|          | (iv) 32 mm dia.  | metre                        | 79.00  |
|          | (v) 40 mm dia.   | metre                        | 92.00  |
|          | (vi) 50 mm dia.  | metre                        | 93.00  |
|          | (vii) 65 mm dia.   | metre                        | 94.00  |
|          | (viii) 80 mm dia.  | metre                        | 94.00  |
|          | (ix) 100 mm dia.   | metre                        | 124.00 |
|          | (x) 125 mm dia.  | metre                        | 126.00 |
|          | (xi) 150 mm dia.   | metre                        | 127.00 |
|          | (B) Labour for fitting and fixing G.I. pipes above ground ( <b>concealed</b> ) in structures with holder bat clamps including cost of jointing materials, holder bat clamps etc.,as necessary, including cutting pipe, making threads etc. complete in all respect with two coats of painting with approved paint any height. (Payment will be made on the centre line measurement of the total pipeline including specials. Payment of painting will be paid seperately.) |                              |        |
|          | (i) 15 mm dia.   | metre                        | 93.00  |
|          | (ii) 20 mm dia.  | metre                        | 93.00  |
|          | (iii) 25 mm dia.   | metre                        | 93.00  |

**SECTION (A) - PLUMBING WORKS**  
**(A)-(II) G.I. PIPE WORKS AND FITTINGS**

| Item No. | Description of Item   | All Districts of West Bengal |        |
|----------|---|------------------------------|--------|
|          |   | Unit                         | (Rs)   |
| 34       | Labour for fitting and fixing G.I. pipes for under ground work including cost of jointing materials, cutting pipes, making threads etc. complete in all respect including cutting trenches upto 1.5 metre below surface in all sorts of soil and refilling the same as directed with two coats of painting to G.I. pipes and specials with bituminous paint. (Payment will be made on the centre line measurement of the total pipeline including specials. Payment of painting to be paid seperately.) |                              |        |
|          | (i) 15 mm dia.  | metre                        | 61.00  |
|          | (ii) 20 mm dia.   | metre                        | 68.00  |
|          | (iii) 25 mm dia.  | metre                        | 68.00  |
|          | (iv) 32 mm dia.   | metre                        | 79.00  |
|          | (v) 40 mm dia.  | metre                        | 88.00  |
|          | (vi) 50 mm dia.   | metre                        | 89.00  |
|          | (vii) 65 mm dia.  | metre                        | 89.00  |
|          | (viii) 80 mm dia.   | metre                        | 90.00  |
|          | (ix) 100 mm dia.  | metre                        | 113.00 |
|          | (x) 125 mm dia.   | metre                        | 114.00 |
|          | (xi) 150 mm dia.  | metre                        | 116.00 |
| 35       | Labour for fitting and fixing G.I. specials including cost of jointing materials.   |                              |        |
|          | <b>(a) Plug.</b>  |                              |        |
|          | (i) Upto 25 mm dia.   | each                         | 7.00   |
|          | (ii) Above 25 mm upto 50 mm dia.  | each                         | 10.00  |
|          | (iii) Above 50 mm upto 80 mm dia.   | each                         | 11.00  |
|          | (iv) Above 80 mm upto 150 mm dia.   | each                         | 14.00  |
|          | <b>(b) Socket, Reducing socket, Bend, Plain equal elbow, Reducing elbow, Nipple, Short piece.</b>   |                              |        |
|          | (i) Upto 25 mm dia.   | each                         | 7.00   |
|          | (ii) Above 25 mm upto 50 mm dia.  | each                         | 10.00  |

**SECTION (A) - PLUMBING WORKS**  
**(A)-(II) G.I. PIPE WORKS AND FITTINGS**

| Item No. | Description of Item  | All Districts of West Bengal |          |
|----------|--|------------------------------|----------|
|          |  | Unit                         | (Rs)     |
|          | (iii) Above 50 mm upto 80 mm dia.  | each                         | 11.00    |
|          | (iv) Above 80 mm upto 150 mm dia.  | each                         | 14.00    |
|          | <b>(c) Plain tee, Reducing tee, Pendent tee, Jamnut, Socket and Nipple.</b>  |                              |          |
|          | (i) Upto 25 mm dia.  | each                         | 7.00     |
|          | (ii) Above 25 mm upto 50 mm dia.   | each                         | 10.00    |
|          | (iii) Above 50 mm upto 80 mm dia.  | each                         | 11.00    |
|          | (iv) Above 80 mm upto 150 mm dia.  | each                         | 14.00    |
|          | <b>(d) Cross, Union, Long screw.</b>   |                              |          |
|          | (i) Upto 25 mm dia.  | each                         | 7.00     |
|          | (ii) Above 25 mm upto 50 mm dia.   | each                         | 10.00    |
|          | (iii) Above 50 mm upto 80 mm dia.  | each                         | 11.00    |
|          | (iv) Above 80 mm upto 150 mm dia.  | each                         | 14.00    |
| 36       | Supplying & laying Double Wall Corrugated (with external annular corrugation and smooth internal walls) High Density Polyethelene Pipes conforming to IS 16098 (Part-II):2013 having Stiffness Class of SN 8 with Ring Stiffness not less than 8.00 KN/Sqm. and Impact Resistance TIR value not more than 10% including necessary jointing materials for non-pressure underground Drainage, Sewerage & Cross drainage application. |                              |          |
|          | (i) 150mm internal dia.  | metre                        | 420.00   |
|          | (ii) 200mm internal dia.   | metre                        | 604.00   |
|          | (iii) 250mm internal dia.  | metre                        | 1011.00  |
|          | (iv) 300mm internal dia.   | metre                        | 1349.00  |
|          | (v) 400mm internal dia.  | metre                        | 1950.00  |
|          | (vi) 500mm internal dia.   | metre                        | 3663.00  |
|          | (vii) 600mm internal dia.  | metre                        | 4594.00  |
|          | (viii) 800mm internal dia.   | metre                        | 8700.00  |
|          | (ix) 1000mm internal dia.  | metre                        | 13926.00 |

**SECTION (A) - PLUMBING WORKS**  
**(A)-(II) G.I. PIPE WORKS AND FITTINGS**

| Item No. | Description of Item  | All Districts of West Bengal |       |
|----------|--|------------------------------|-------|
|          |  | Unit                         | (Rs)  |
|          | <b>(b) Repair Works</b>  |                              |       |
| 1        | Labour for dismantling G.I. pipe with fittings.                  |                              |       |
|          | (i) 15 mm  | metre                        | 6.00  |
|          | (ii) 20 mm   | metre                        | 6.00  |
|          | (iii) 25 mm  | metre                        | 6.00  |
|          | (iv) 32 mm   | metre                        | 6.00  |
|          | (v) 40 mm  | metre                        | 8.00  |
|          | (vi) 50 mm   | metre                        | 8.00  |
|          | (vii) 65 mm  | metre                        | 8.00  |
|          | (viii) 80 mm   | metre                        | 11.00 |
|          | (ix) 100 mm  | metre                        | 11.00 |
| 2        | Refixing G.I. pipe with fittings after cleaning where necessary. |                              |       |
|          | (i) 15 mm  | metre                        | 6.00  |
|          | (ii) 20 mm   | metre                        | 6.00  |
|          | (iii) 25 mm  | metre                        | 6.00  |
|          | (iv) 32 mm   | metre                        | 8.00  |
|          | (v) 40 mm  | metre                        | 9.00  |
|          | (vi) 50 mm   | metre                        | 9.00  |
|          | (vii) 65 mm  | metre                        | 15.00 |
|          | (viii) 80 mm   | metre                        | 16.00 |
|          | (ix) 100 mm  | metre                        | 16.00 |
| 3        | Removing chokage in G.I. pipe including cleaning pipe.           |                              |       |
|          | (i) 15 mm  | metre                        | 7.00  |
|          | (ii) 20 mm   | metre                        | 7.00  |
|          | (iii) 25 mm  | metre                        | 7.00  |
|          | (iv) 32 mm   | metre                        | 9.00  |

**SECTION (A) - PLUMBING WORKS**  
**(A)-(II) G.I. PIPE WORKS AND FITTINGS**

| Item No. | Description of Item   | All Districts of West Bengal |        |
|----------|---|------------------------------|--------|
|          |   | Unit                         | (Rs)   |
|          | (v) 40 mm   | metre                        | 9.00   |
|          | (vi) 50 mm  | metre                        | 9.00   |
|          | (vii) 65 mm   | metre                        | 10.00  |
|          | (viii) 80 mm  | metre                        | 10.00  |
|          | (ix) 100 mm   | metre                        | 10.00  |
| 4        | Renewing C.I. clamp for pipe including cutting hole in wall etc. and  |                              |        |
|          | (i) 15 mm   | each                         | 25.00  |
|          | (ii) 20 mm  | each                         | 29.00  |
|          | (iii) 25 mm   | each                         | 32.00  |
|          | (iv) 32 mm  | each                         | 45.00  |
|          | (v) 40 mm   | each                         | 46.00  |
|          | (vi) 50 mm  | each                         | 58.00  |
|          | (vii) 65 mm   | each                         | 120.00 |
|          | (viii) 80 mm  | each                         | 127.00 |
|          | (ix) 100 mm   | each                         | 144.00 |
| 5        | Renewing P.V.C. clip with necessary screws.                           |                              |        |
|          | (i) 15 mm   | each                         | 9.00   |
|          | (ii) 20 mm  | each                         | 11.00  |
|          | (iii) 25 mm   | each                         | 16.00  |
|          | (iv) 32 mm  | each                         | 18.00  |
|          | (v) 40 mm   | each                         | 22.00  |
|          | (vi) 50 mm  | each                         | 25.00  |
|          | (vii) 65 mm   | each                         | 33.00  |
| 6        | Opening out leaky water supply pipe and making the joints water tight |                              |        |
|          | (i) Upto 40 mm dia.   | each                         | 59.00  |

**SECTION (A) - PLUMBING WORKS**  
**(A)-(II) G.I. PIPE WORKS AND FITTINGS**

| Item No. | Description of Item  | All Districts of West Bengal |        |
|----------|--|------------------------------|--------|
|          |  | Unit                         | (Rs)   |
|          | (ii) 50 mm dia.  | each                         | 69.00  |
|          | (iii) 65 mm to 100 mm dia.   | each                         | 113.00 |
| 7        | Renewing iron jamnut with washer.  |                              |        |
|          | (i) 15 mm  | each                         | 12.00  |
|          | (ii) 20 mm   | each                         | 14.00  |
|          | (iii) 25 mm  | each                         | 15.00  |
| 8        | Cutting out pipe and making threads.                                     |                              |        |
|          | (i) Upto 20 mm dia.  | each                         | 9.00   |
|          | (ii) Above 20 mm upto 32 mm dia.   | each                         | 12.00  |
|          | (iii) Above 32 mm upto 50 mm dia.  | each                         | 25.00  |
|          | (iv) Above 50 mm upto 80 mm dia.   | each                         | 32.00  |
|          | (v) Above 80 mm upto 150 mm dia.   | each                         | 45.00  |
| 9        | Perforating G.I. pipe of all diameters by drilling including taking G.I. | Dozen                        | 57.00  |
| 10       | Making bend/offset in G.I. pipe by heat.                                 |                              |        |
|          | (i) Upto 50 mm dia.  | each                         | 34.00  |
|          | (ii) Above 50 mm upto 80 mm dia.   | each                         | 51.00  |
|          | (iii) Above 80 mm upto 150 mm dia.                                       | each                         | 147.00 |
| 11       | Cutting out section of G.I. water main pipe upto 100 mm.                 | each                         | 40.00  |
| 12       | Dismantling and refixing bib cock or stop cock.                          |                              |        |
|          | (i) 15 mm  | each                         | 12.00  |
|          | (ii) 20 mm   | each                         | 16.00  |
| 13       | Rewashing stop cock/ bib cock/ push cock/ pillar cock including gland    |                              |        |
|          | (i) 15 mm  | each                         | 13.00  |
|          | (ii) 20 mm   | each                         | 16.00  |
|          | (iii) 25 mm  | each                         | 17.00  |
|          | (iv) 40 mm   | each                         | 24.00  |

**SECTION (A) - PLUMBING WORKS**  
**(A)-(II) G.I. PIPE WORKS AND FITTINGS**

| Item No. | Description of Item  | All Districts of West Bengal |        |
|----------|--|------------------------------|--------|
|          |  | Unit                         | (Rs)   |
| 14       | Renewing brass spindle and valve of stop cock/bib cock/push cock/pillar<br>(i) 15 mm                         | each                         | 74.00  |
|          | (ii) 20 mm   | each                         | 93.00  |
| 15       | Dismantling and refixing shower rose after cleaning.   | each                         | 12.00  |
| 16       | Renewing cromium plating of<br>(a) bib cock/ stop cock/ pillar cock/ waste fittings.                         | each                         | 49.00  |
|          | (b) Elbow action bib/ pillar tap.  | each                         | 66.00  |
| 17       | Cutting out existing G.I.F.W. or U.F.W. or gas pipeline to required size<br>(i) 15 mm to 20 mm               | set                          | 61.00  |
|          | (ii) 25 mm to 32 mm  | set                          | 61.00  |
|          | (iii) 40 mm to 50 mm   | set                          | 88.00  |
|          | (iv) 65 mm to 80 mm  | set                          | 108.00 |
|          | (v) 100 mm   | set                          | 113.00 |
| 18       | Drilling and tapping C.I. main.<br>(i) Upto 15 mm  | set                          | 160.00 |
|          | (ii) Above 15 mm upto 25 mm  | set                          | 200.00 |
|          | (iii) Above 25 mm  | set                          | 239.00 |
| 19       | Plugging up C.I. main with necessary materials & Labour Complete   | set                          | 200.00 |
| 20       | Renewing copper plated gas cock C.P. or oxidised (approved brand, wall/<br>6 mm/ 10 mm/ 15 mm<br>(i) One way | each                         | 167.00 |
|          | (ii) Two way   | each                         | 177.00 |
|          | (iii) Three way  | each                         | 221.00 |
|          | (iv) Four way  | each                         | 270.00 |

**SECTION (A) - PLUMBING WORKS**  
**(A)-(II) G.I. PIPE WORKS AND FITTINGS**

| <i>Item No.</i> | <i>Description of Item</i>   | <i>All Districts of West Bengal</i> |             |
|-----------------|--|-------------------------------------|-------------|
|                 |  | <i>Unit</i>                         | <i>(Rs)</i> |
| 21              | Renewing special make up piece of pipe having threads on both sides.   |                                     |             |
|                 | (i) 15 mm  | each                                | 52.00       |
|                 | (ii) 20 mm   | each                                | 57.00       |
|                 | (iii) 25 mm  | each                                | 61.00       |
|                 | (iv) 32 mm   | each                                | 65.00       |
|                 | (v) 40 mm  | each                                | 74.00       |
|                 | (vi) 50 mm   | each                                | 76.00       |
| 22              | Dismantling upto 100 mm sluice valve by parts and cutting out worn out bolts and reassembling the same after regrinding valve,rewashing flanges, asbestos diamond packing including studs,bolts, nuts and necessary repairs. | Each Set                            | 445.00      |



**SECTION (A) - PLUMBING WORKS**

**(A)-(III) CPVC PIPE WORKS AND FITTINGS**

| Item No. | Description of Item  | All Districts of West Bengal |        |
|----------|--|------------------------------|--------|
|          |  | Unit                         | (Rs)   |
|          | <b>(a) Original Works</b>  |                              |        |
| 1        | Supplying, fitting and fixing CPVC (Chlorinated Polyvinyl Chloride) pipes of approved make conforming to IS-15778: 2007 . with all necessary accessories, specials viz. socket, bend, tee, union, cross, elbo, nipple, longscrow, reducing socket, reducing tee, short piece etc. fitted with holder bats clamps, including cutting pipes, fitting, fixing etc. complete in all respect including cost of all necessary fittings as required, jointing materials in any position above ground. (Payment will be made on the centre line measurements of total pipe line including all specials. No separate payment will be made for accesories, specials. |                              |        |
|          | <b>(a) For Exposed Work</b>  |                              |        |
|          | <b>(i) CPVC Pipes Class-1, SDR-11</b>  |                              |        |
|          | (Dia)  |                              |        |
|          | 15 mm  | Mtr                          | 106.00 |
|          | 20 mm  | Mtr                          | 143.00 |
|          | 25 mm  | Mtr                          | 208.00 |
|          | 32 mm  | Mtr                          | 283.00 |
|          | 40 mm  | Mtr                          | 403.00 |
|          | 50 mm  | Mtr                          | 658.00 |
|          | <b>(ii) CPVC Pipes Class-2, SDR-13.5</b>   |                              |        |
|          | (Dia)  |                              |        |
|          | 15 mm  | Mtr                          | 93.00  |
|          | 20 mm  | Mtr                          | 133.00 |
|          | 25 mm  | Mtr                          | 180.00 |
|          | 32 mm  | Mtr                          | 265.00 |
|          | 40 mm  | Mtr                          | 368.00 |
|          | 50 mm  | Mtr                          | 585.00 |
|          | <b>(b) For Concealed Work</b>  |                              |        |
|          | <b>(i) CPVC Pipes Class-1, SDR-11</b>  |                              |        |
|          | 15 mm  | Mtr                          | 140.00 |
|          | 20 mm  | Mtr                          | 171.00 |
|          | 25 mm  | Mtr                          | 235.00 |
|          | <b>(ii) CPVC Pipes Class-2, SDR-13.5</b>   |                              |        |
|          | 15 mm  | Mtr                          | 127.00 |
|          | 20 mm  | Mtr                          | 160.00 |
|          | 25 mm  | Mtr                          | 207.00 |

**SECTION (A) - PLUMBING WORKS**

**(A)-(III) CPVC PIPE WORKS AND FITTINGS**

| Item No. | Description of Item   | All Districts of West Bengal |        |
|----------|---|------------------------------|--------|
|          |   | Unit                         | (Rs)   |
| 2        | Supply of Chlorinated Polyvinyl Chloride (CPVC) pipes & fittings conforming to IS-15778: 2007 |                              |        |
|          | (A)(I) CPVC Pipes Class-1,SDR-11  |                              |        |
|          | (Dia)   |                              |        |
|          | 15 mm   | Mtr                          | 71.00  |
|          | 20 mm   | Mtr                          | 104.00 |
|          | 25 mm   | Mtr                          | 161.00 |
|          | 32 mm   | Mtr                          | 228.00 |
|          | 40 mm   | Mtr                          | 325.00 |
|          | 50 mm   | Mtr                          | 554.00 |
|          | (A)(II) CPVC Pipes Class-2,SDR-13.5   |                              |        |
|          | (Dia)   |                              |        |
|          | 15 mm   | Mtr                          | 59.00  |
|          | 20 mm   | Mtr                          | 94.00  |
|          | 25 mm   | Mtr                          | 136.00 |
|          | 32 mm   | Mtr                          | 212.00 |
|          | 40 mm   | Mtr                          | 294.00 |
|          | 50 mm   | Mtr                          | 489.00 |
|          | (B) Socket  |                              |        |
|          | (Dia)   |                              |        |
|          | 15 mm   | each                         | 8.00   |
|          | 20 mm   | each                         | 11.00  |
|          | 25 mm   | each                         | 20.00  |
|          | 32 mm   | each                         | 34.00  |
|          | 40 mm   | each                         | 61.00  |
|          | 50 mm   | each                         | 147.00 |
|          | (C) Equal Tee   |                              |        |
|          | (Dia)   |                              |        |
|          | 15 mm   | each                         | 12.00  |
|          | 20 mm   | each                         | 21.00  |
|          | 25 mm   | each                         | 39.00  |
|          | 32 mm   | each                         | 57.00  |
|          | 40 mm   | each                         | 90.00  |
|          | 50 mm   | each                         | 303.00 |
|          | (D) Reducing Socket   |                              |        |
|          | Size  |                              |        |
|          | 20mm X 15mm   | each                         | 12.00  |
|          | 25 mm X20 mm  | each                         | 17.00  |
|          | 25 mm X 15mm  | each                         | 20.00  |

**SECTION (A) - PLUMBING WORKS**

**(A)-(III) CPVC PIPE WORKS AND FITTINGS**

| Item No. | Description of Item        | All Districts of West Bengal |        |
|----------|----------------------------|------------------------------|--------|
|          |                            | Unit                         | (Rs)   |
|          | (E) Reducing Elbow         |                              |        |
|          | Size                       |                              |        |
|          | 20mm X 15mm                | each                         | 16.00  |
|          | 25 mm X20 mm               | each                         | 19.00  |
|          | (F) Reducing Bush          |                              |        |
|          | Size                       |                              |        |
|          | 20mm X 15mm                | each                         | 7.00   |
|          | 25 mm X20 mm               | each                         | 15.00  |
|          | 25 mm X15 mm               | each                         | 19.00  |
|          | 32mm X15 mm                | each                         | 25.00  |
|          | 32mm X20 mm                | each                         | 27.00  |
|          | 32mm X25mm                 | each                         | 21.00  |
|          | 40 mm X15 mm               | each                         | 38.00  |
|          | 40 mm X20mm                | each                         | 31.00  |
|          | 40 mm X25mm                | each                         | 44.00  |
|          | 40 mm X32 mm               | each                         | 31.00  |
|          | 50 mm X15 mm               | each                         | 91.00  |
|          | 50 mm X20mm                | each                         | 83.00  |
|          | 50 mm X25mm                | each                         | 100.00 |
|          | 50 mm X32mm                | each                         | 94.00  |
|          | 50 mm X40mm                | each                         | 83.00  |
|          | (G) End Cap                |                              |        |
|          | (Dia)                      |                              |        |
|          | 15 mm                      | each                         | 6.00   |
|          | 20 mm                      | each                         | 9.00   |
|          | 25 mm                      | each                         | 14.00  |
|          | 32 mm                      | each                         | 26.00  |
|          | 40 mm                      | each                         | 40.00  |
|          | 50 mm                      | each                         | 80.00  |
|          | (H) Step over bend         |                              |        |
|          | (Dia)                      |                              |        |
|          | 15 mm                      | each                         | 35.00  |
|          | 20 mm                      | each                         | 38.00  |
|          | 25 mm                      | each                         | 82.00  |
|          | (I) Tank connecting nipple |                              |        |
|          | (Dia)                      |                              |        |
|          | 20 mm                      | each                         | 73.00  |
|          | 25 mm                      | each                         | 115.00 |
|          | 32mm                       | each                         | 166.00 |
|          | 40 mm                      | each                         | 190.00 |
|          | 50 mm                      | each                         | 293.00 |

**SECTION (A) - PLUMBING WORKS**  
**(A)-(III) CPVC PIPE WORKS AND FITTINGS**

| Item No. | Description of Item       | All Districts of West Bengal |        |
|----------|---------------------------|------------------------------|--------|
|          |                           | Unit                         | (Rs)   |
|          | (J) Male threaded adopter |                              |        |
|          | (Dia)                     |                              |        |
|          | 15 mm                     | each                         | 11.00  |
|          | 20 mm                     | each                         | 15.00  |
|          | 25 mm                     | each                         | 25.00  |
|          | 32mm                      | each                         | 52.00  |
|          | 40 mm                     | each                         | 60.00  |
|          | 50 mm                     | each                         | 119.00 |
|          | Size<br>20mmX15mm         | each                         | 16.00  |
|          | (K) Elbow (90°)           |                              |        |
|          | (Dia)                     |                              |        |
|          | 15 mm                     | each                         | 10.00  |
|          | 20 mm                     | each                         | 15.00  |
|          | 25 mm                     | each                         | 29.00  |
|          | 32 mm                     | each                         | 43.00  |
|          | 40 mm                     | each                         | 76.00  |
|          | 50 mm                     | each                         | 221.00 |
|          | (L) Elbow (45°)           |                              |        |
|          | (Dia)                     |                              |        |
|          | 15 mm                     | each                         | 9.00   |
|          | 20 mm                     | each                         | 27.00  |
|          | 25 mm                     | each                         | 51.00  |
|          | 32 mm                     | each                         | 53.00  |
|          | 40 mm                     | each                         | 84.00  |
|          | 50 mm                     | each                         | 190.00 |
|          | (M) Cross Tee             |                              |        |
|          | (Dia)                     |                              |        |
|          | 15 mm                     | each                         | 18.00  |
|          | 20 mm                     | each                         | 22.00  |
|          | 25 mm                     | each                         | 51.00  |
|          | 32 mm                     | each                         | 92.00  |
|          | 40 mm                     | each                         | 147.00 |
|          | 50 mm                     | each                         | 314.00 |
|          | (N) Union                 |                              |        |
|          | (Dia)                     |                              |        |
|          | 15 mm                     | each                         | 43.00  |
|          | 20 mm                     | each                         | 84.00  |
|          | 25 mm                     | each                         | 121.00 |
|          | 32 mm                     | each                         | 149.00 |
|          | 40 mm                     | each                         | 202.00 |
|          | 50 mm                     | each                         | 363.00 |

**SECTION (A) - PLUMBING WORKS**

**(A)-(III) CPVC PIPE WORKS AND FITTINGS**

| Item No. | Description of Item         | All Districts of West Bengal |         |
|----------|-----------------------------|------------------------------|---------|
|          |                             | Unit                         | (Rs)    |
|          | (O) Reducing Tee            |                              |         |
|          | Size                        |                              |         |
|          | 15 mm x 15mm x20mm          | each                         | 32.00   |
|          | 20mm x 15mm x15mm           | each                         | 29.00   |
|          | 20mm x 15mm x20mm           | each                         | 29.00   |
|          | 20 mm x 20 mm x15mm         | each                         | 21.00   |
|          | 25 mm x 25mm x20mm          | each                         | 35.00   |
|          | 25 mm x 20mm x20mm          | each                         | 59.00   |
|          | 25 mm x 25mm x15mm          | each                         | 36.00   |
|          | 40 mm x 40mm x25mm          | each                         | 106.00  |
|          | (P) Pipe Clip               |                              |         |
|          | (Dia)                       |                              |         |
|          | 15 mm                       | each                         | 5.00    |
|          | 20 mm                       | each                         | 4.00    |
|          | 25 mm                       | each                         | 5.00    |
|          | 32 mm                       | each                         | 8.00    |
|          | 40 mm                       | each                         | 14.00   |
|          | 50 mm                       | each                         | 20.00   |
|          | (Q) Ball Valve              |                              |         |
|          | (Dia)                       |                              |         |
|          | 15 mm                       | each                         | 99.00   |
|          | 20 mm                       | each                         | 152.00  |
|          | 25 mm                       | each                         | 239.00  |
|          | 32 mm                       | each                         | 399.00  |
|          | 40 mm                       | each                         | 553.00  |
|          | 50 mm                       | each                         | 1128.00 |
|          | (R) Female threaded adopter |                              |         |
|          | (Dia)                       |                              |         |
|          | 15 mm                       | each                         | 11.00   |
|          | 20 mm                       | each                         | 19.00   |
|          | 25 mm                       | each                         | 26.00   |
|          | 32 mm                       | each                         | 47.00   |
|          | 40 mm                       | each                         | 65.00   |
|          | 50 mm                       | each                         | 137.00  |
|          | Size                        |                              |         |
|          | 20mmX15mm                   | each                         | 18.00   |
|          | (S) Stopper Plug            |                              |         |
|          | (Dia)                       |                              |         |
|          | 15 mm                       | each                         | 15.00   |
|          | 20 mm                       | each                         | 26.00   |

**SECTION (A) - PLUMBING WORKS**

**(A)-(III) CPVC PIPE WORKS AND FITTINGS**

| Item No. | Description of Item           | All Districts of West Bengal |         |
|----------|-------------------------------|------------------------------|---------|
|          |                               | Unit                         | (Rs)    |
|          | (T)GIS to CTS transition Bush |                              |         |
|          | Size                          |                              |         |
|          | 20mm GIS to 20mm CTS          | each                         | 10.00   |
|          | 25 mm GIS to 25 mm CTS        | each                         | 15.00   |
|          | (U) Male threaded adopter     |                              |         |
|          | (Brass threaded)              |                              |         |
|          | (Dia)                         |                              |         |
|          | 15 mm                         | each                         | 104.00  |
|          | 20 mm                         | each                         | 118.00  |
|          | 25 mm                         | each                         | 251.00  |
|          | 32mm                          | each                         | 433.00  |
|          | 40 mm                         | each                         | 585.00  |
|          | 50 mm                         | each                         | 1093.00 |
|          | Size                          |                              |         |
|          | 20mmX15mm                     | each                         | 78.00   |
|          | 25mmX15mm                     | each                         | 80.00   |
|          | (V) Female threaded adopter   |                              |         |
|          | (Brass threaded)              |                              |         |
|          | (Dia)                         |                              |         |
|          | 15 mm                         | each                         | 101.00  |
|          | 20 mm                         | each                         | 81.00   |
|          | 25 mm                         | each                         | 292.00  |
|          | 32mm                          | each                         | 525.00  |
|          | 40 mm                         | each                         | 612.00  |
|          | 50 mm                         | each                         | 947.00  |
|          | Size                          |                              |         |
|          | 20mmX15mm                     | each                         | 58.00   |
|          | 25mmX15mm                     | each                         | 67.00   |
|          | (W) Female Elbow              |                              |         |
|          | (Brass threaded)              |                              |         |
|          | (Dia)                         |                              |         |
|          | 15 mm                         | each                         | 65.00   |
|          | 20 mm                         | each                         | 81.00   |
|          | Size                          |                              |         |
|          | 20mmX15mm                     | each                         | 55.00   |
|          | 25mmX15mm                     | each                         | 70.00   |
|          | (X) Male Elbow                |                              |         |
|          | (Brass threaded)              |                              |         |
|          | (Dia)                         |                              |         |
|          | 15 mm                         | each                         | 74.00   |
|          | 20 mm                         | each                         | 115.00  |
|          | Size                          |                              |         |

**SECTION (A) - PLUMBING WORKS**

**(A)-(III) CPVC PIPE WORKS AND FITTINGS**

| <b>Item No.</b> | <b>Description of Item</b>   | <b>All Districts of West Bengal</b> |             |
|-----------------|--|-------------------------------------|-------------|
|                 |  | <b>Unit</b>                         | <b>(Rs)</b> |
|                 | 20mmX15mm  | each                                | 70.00       |
|                 | 25mmX15mm  | each                                | 84.00       |
|                 | (Y) Female Tee   |                                     |             |
|                 | (Brass threaded)   |                                     |             |
|                 | (Dia)  |                                     |             |
|                 | 15 mm  | each                                | 74.00       |
|                 | Size   |                                     |             |
|                 | 20mmX15mm  | each                                | 61.00       |
|                 | 25mmX15mm  | each                                | 83.00       |
|                 | (Z) Compact Compact Ball Valve with SS Handle For CPVC/ UPVC Fittings. |                                     |             |
|                 | (As per ASTM D 2467, Schedule 80)                                      |                                     |             |
|                 | (Dia)  |                                     |             |
|                 | 15 mm  | each                                | 208.00      |
|                 | 20 mm  | each                                | 217.00      |
|                 | 25 mm  | each                                | 293.00      |
|                 | 32mm   | each                                | 607.00      |
|                 | 40 mm  | each                                | 705.00      |
|                 | 50 mm  | each                                | 965.00      |

**SECTION (A) - PLUMBING WORKS**  
**(A)-(IV) CISTERN, G.I. TANKS WITH PARTS**

| <i><b>Item No.</b></i> | <i><b>Description of Item</b></i>  | <i><b>All Districts of West Bengal</b></i>           |  |
|------------------------|--|--|--|
|                        |  | <i><b>Unit</b></i>                                   | <i><b>(Rs)</b></i>   |
|                        | <i><b>(a) Original Works</b></i>   |  |  |
| 1                      | Supplying, fitting and fixing 10 litre porcelain low-down cistern of approved make with either side or bottom inlet, side overflow, brackets complete with all internnal PVC fittings.<br><br>White  | each   | 2297.00  |
| 2                      | Supplying, fitting and fixing 10 litre P.V.C. low-down cistern conforming to I.S. specification with P.V.C. fittings complete,C.I. brackets including two coats of painting to bracket etc.  | each   | 1015.00  |
| 3                      | Supplying, fitting and fixing 10 litre porcelain low-down cistern of approved make without fittings and brackets.<br><br>White<br><br>For item 1 & 3 above for using coloured Porcelain :-<br>N.B. Cisterns the rate will enhanced over the corresponding item of white Porcelain cistern as follows.<br><br>(a) Sky blue, Venetian, Min. green, Turquoise, Citrus yellow , Champagne, Saphire - By 50%<br><br>(b) Roman brown, Fern green, Misty lilac, Orange, Sienna gold, Silver grey, Sepia, Alpine, Cornil sorvinto blue - 100%<br><br>(c) Burgandy, Emerald green coloured - 200% | each   | 1367.00  |
| 4                      | Supplying, fitting and fixing concealed cistern of approved make with flash plate Cute/Loop/Shell/Nova (Code No. concealo-H(80mm Body sap code 508179 of Hindware or equivalent).<br>Matt/Gloss  | Nos  | 7440.00  |
| 5                      | Supplying G.I. tank with Galvanised iron sheet with 450 mm dia C.I. raised approved type locking cover and 50 mm cleaning flange and plug.<br><br>(a) With 2 mm thick G.I. sheet<br><br>(i) 1812 litre capacity<br><br>(ii) 1364 litre capacity<br><br>(b) With 1.6 mm thick G.I. sheet<br><br>(i) 908 litre capacity<br><br>(ii) 540 litre capacity   | <br><br>each<br><br>each<br><br><br>each<br><br>each | <br><br>16075.00<br><br>14556.00<br><br><br>8997.00<br><br>8670.00 |



**SECTION (A) - PLUMBING WORKS**  
**(A)-(IV) CISTERN, G.I. TANKS WITH PARTS**

| Item No. | Description of Item  | All Districts of West Bengal |          |
|----------|--|------------------------------|----------|
|          |  | Unit                         | (Rs)     |
| 6        | Supplying P.V.C. water storage tank of approved quality with closed top with lid (Black) - Multilayer                                      |                              |          |
|          | (a) 500 litre capacity   | each                         | 2584.00  |
|          | (b) 1000 litre capacity  | each                         | 5128.00  |
|          | (c) 1500 litre capacity  | each                         | 7840.00  |
|          | (d) 2000 litre capacity  | each                         | 10434.00 |
|          | (e) 2500 litre capacity  | each                         | 13027.00 |
|          | (f) 3000 litre capacity  | each                         | 15635.00 |
|          | (g) 4000 litre capacity  | each                         | 20821.00 |
|          | (h) 5000 litre capacity  | each                         | 27046.00 |
| 7        | Supplying, fitting and fixing cast iron raised rain proof tank cover 450mm.  | each                         | 1014.00  |
| 8        | Supplying, fitting and fixing cast iron raised rain proof tank cover 500 mm dia. with locking arrangements (weighing not less than 12 kg). | each                         | 1263.00  |
| 9        | Hoisting G.I. tank (upto and including 1812 litre capacity).   |                              |          |
|          | (a) 1st story from G.L.  | each                         | 438.00   |
|          | (b) Extra for each additional story  | each                         | 144.00   |
| 10       | Labour for hoisting plastic water storage tank.  |                              |          |
|          | (i) Upto 1500 litre capacity.  |                              |          |
|          | (a) Upto 1st story from G.L.   | each                         | 96.00    |
|          | (b) Extra for each additional story  | each                         | 43.00    |
|          | (ii) Above 1500 litre upto 5000 litre capacity.  |                              |          |
|          | (a) Upto 1st story from G.L.   | each                         | 154.00   |
|          | (b) Extra for each additional story  | each                         | 72.00    |
| 11       | Lowering G.I. tank (upto and including 1812 litre capacity).   |                              |          |

**SECTION (A) - PLUMBING WORKS**  
**(A)-(IV) CISTERN, G.I. TANKS WITH PARTS**

| Item No. | Description of Item  | All Districts of West Bengal |         |
|----------|--|------------------------------|---------|
|          |  | Unit                         | (Rs)    |
| 12       | (a) From 1st story to G.L.   | each                         | 312.00  |
|          | (b) Extra for each additional story  | each                         | 95.00   |
|          | Labour for lowering plastic water storage tank and stacking in places as directed.   |                              |         |
|          | (i) Upto 1500 litre capacity   |                              |         |
|          | (a) From 1st floor to G.L.   | each                         | 58.00   |
|          | (b) Extra for each additional story  | each                         | 29.00   |
|          | (ii) Above 1500 litre upto 5000 litre capacity   |                              |         |
|          | (a) From 1st story to G.L.   | each                         | 95.00   |
| 13       | (b) Extra for each additional story  | each                         | 43.00   |
|          | Labour for punching hole in plastic water storage tank upto 50 mm dia.   | each                         | 19.00   |
| 14       | Providing and fixing <b>concealed cistern</b> of size 380 mm long, 400 mm wide, 100 mm thick alongwith flush plate and flush pipe with minimum distances of 37 mm from wall face with concealed fittings arrangement of approved quality with all fittings and fixtures complete, including cutting and making good the walls wherever required. (Model: Cento of Hindware or similar brand.) [Note: This work should not be executed without specific permission of Superintending Engineer.] | each                         | 5604.00 |
|          | <b>(b) Repair Works</b>  |                              |         |
| 1        | Supplying, fitting and fixing low-down cistern parts.  |                              |         |
|          | (i) Internal fittings for cistern complete of approved make.   | Each Set                     | 284.00  |
|          | (ii) Outlet Assembly   | each                         | 279.00  |
|          | (iii) Intlet Assembly  | each                         | 64.00   |
|          | (iv) Rubber Kid  | each                         | 304.00  |
|          | (v) Knob   | each                         | 304.00  |

**SECTION (A) - PLUMBING WORKS**  
**(A)-(IV) CISTERN, G.I. TANKS WITH PARTS**

| Item No. | Description of Item  | All Districts of West Bengal |        |
|----------|--|------------------------------|--------|
|          |  | Unit                         | (Rs)   |
|          | (vi) Brackets (pair)   | each                         | 304.00 |
|          | (vii) CP Flush Bend (local) best quality   |                              |        |
|          | a) Orrisa & Indian Pattern WC  | Each                         | 286.00 |
|          | b) E. W.C. & Anglo-Indian W.C.   | Each                         | 272.00 |
| 2        | Renewing bolts and nuts for cistern.   | Each Set                     | 40.00  |
| 3        | Renewing brass screws in auto cistern.   | Each Set                     | 32.00  |
| 4        | Changing the lather only of syphon of automatic cistern including taking out and refixing necessary parts.   | Each Set                     | 39.00  |
| 5        | Renewing high pressure polythene ball cock of approved quality with polythene ball and aluminium lever complete for pipe of dia.:                          |                              |        |
|          | (i) 32 mm  | each                         | 165.00 |
|          | (ii) 25 mm   | each                         | 120.00 |
|          | (iii) 20 mm  | each                         | 86.00  |
|          | (iv) 15 mm   | each                         | 71.00  |
| 6        | Renewing polythene ball of approved quality for pipe of dia.:  |                              |        |
|          | (i) 32 mm  | each                         | 132.00 |
|          | (ii) 25 mm   | each                         | 96.00  |
|          | (iii) 20 mm  | each                         | 76.00  |
|          | (iv) 15 mm   | each                         | 43.00  |
| 7        | Dismantling G.I. tank including disconnecting pipe connection.   | each                         | 115.00 |
| 8        | Fixing G.I. tank in position including refitting pipe connection.  | each                         | 115.00 |
| 9        | Dewatering and repairing G.I. tank above 1000 litre and upto 2000 litre capacity with G.I. washer, bolts, nuts and cement concrete at bottom as necessary. | each                         | 277.00 |
| 10       | Dewatering and repairing G.I. tank upto 1000 litre capacity with G.I. washer, bolts and nuts and washer.   | each                         | 208.00 |
| 11       | Punching holes in tank(G.I.).  | each                         | 38.00  |

**SECTION (A) - PLUMBING WORKS**  
**(A)-(IV) CISTERN, G.I. TANKS WITH PARTS**

| <i>Item No.</i> | <i>Description of Item</i>   | <i>All Districts of West Bengal</i> |             |
|-----------------|--|-------------------------------------|-------------|
|                 |  | <i>Unit</i>                         | <i>(Rs)</i> |
| 12              | Cleaning and removing mud upto 2000 litre Water Tank including masonry reservoir.  | each                                | 110.00      |
| 13              | Cleaning and removing mud above 2000 litre Water Tank including masonry reservoir.   | Cum                                 | 67.00       |
| 14              | Cleaning and disinfecting upto 2000 litre Water Tank including masonry reservoir.  | each                                | 155.00      |
| 15              | Cleaning and disinfecting above 2000 litre Water Tank including masonry reservoir.   | Cum                                 | 88.00       |
| 16              | Repairing damaged G.I. tank of any capacity after lowering on roof by replacing with new 2 mm thick G.I. sheet by rivetting with necessary packing, painting new portions, refixing the existing C.I. tank cover by rivetting in new position, if necessary, after taking out old cover very carefully etc. complete (excluding the cost of dismantling and refixing tank but including the cost of cutting out worn out portion by suitable means to regular shape). (Payment will be made on the basis of area of damaged portion replaced.) | sq. m.                              | 1791.00     |

**SECTION (A) - PLUMBING WORKS**  
**(A)-(V) BASIN AND SINKS WITH PARTS**

| Item No. | Description of Item  | All Districts of West Bengal |         |
|----------|--|------------------------------|---------|
|          |  | Unit                         | (Rs)    |
|          | <b>(a) Original Works</b>  |                              |         |
| 1        | Wash basin vitreous china of approved make (without fittings) supplied, fitted and fixed in position on 75mm X 75 mm X 75 mm wood blocks and C.I. brackets including two coats of painting of C.I. brackets.   |                              |         |
|          | (i) 450 mm X 300 mm size   | each                         | 1155.00 |
|          | (ii) 550 mm X 400 mm size  | each                         | 1383.00 |
|          | (iii) 630 mm X 450 mm size   | each                         | 2435.00 |
|          | (iv) Angle back wash basin 400 mm X 400 mm   | each                         | 1210.00 |
|          | (v) Surgeon's wash basin 650 mm X 450 mm   | each                         | 3862.00 |
|          | (vi) Spitton for Dental Surgeon  | each                         | 2636.00 |
| 2        | Supplying, fitting and fixing white vitreous china best quality approved make wash basin with C.I. brackets on 75 mm X 75 mm wooden blocks, C.P. waste fittings of 32 mm dia., one approved quality brass C.P. pillar cock of 15 mm dia., C.P. chain with rubber plug of 30 mm dia., approved quality P.V.C. waste pipe with C.P. nut 32 mm dia., 900 mm long approved quality P.V.C. connection pipe with heavy brass C.P. nut including mending good all damages and painting the brackets with two coats of approved paint. |                              |         |
|          | (i) 450 mm X 300 mm size   | each                         | 1979.00 |
|          | (ii) 550 mm X 400 mm size  | each                         | 2208.00 |
|          | (iii) 630 mm X 450 mm size   | each                         | 3260.00 |
|          | (iv) Angle back wash basin 400 mm X 400 mm size  | each                         | 2034.00 |
| 3        | Supplying, fitting and fixing pedestal of approved make for wash basin (white)   | each                         | 1497.00 |
| 4        | Best quality sink in mosaic in silver grey colour with C.P. waste and other fittings, rubber plug and chain, C.I. heavy brackets with two coats of approved paint.   |                              |         |
|          | (i) 600 mm X 450 mm X 200 mm   | each                         | 826.00  |
|          | (ii) 600 mm X 450 mm X 250 mm  | each                         | 846.00  |

**SECTION (A) - PLUMBING WORKS**  
**(A)-(V) BASIN AND SINKS WITH PARTS**

| Item No. | Description of Item  | All Districts of West Bengal |         |
|----------|--|------------------------------|---------|
|          |  | Unit                         | (Rs)    |
| 5        | (iii) 750 mm X 450 mm X 250 mm   | each                         | 1026.00 |
|          | Supplying, fitting and fixing White Vitreous China Sink in position on C.I. brackets including two coats of painting of brackets.                          |                              |         |
|          | (a) Plain edge sink with overflow  |                              |         |
|          | (i) 610 mm X 450 mm X 200 mm   | each                         | 4933.00 |
|          | (ii) 610 mm X 450 mm X 250 mm  | each                         | 5445.00 |
|          | (b) Laboratory sink with rim and overflow  |                              |         |
|          | (i) 450 mm X 300 mm X 150 mm   | each                         | 2381.00 |
|          | (ii) 500 mm X 300 mm X 150 mm  | each                         | 3442.00 |
|          | (c) Laboratory table sink including cutting of laboratory table as required. 450 mm X 300 mm X 150 mm  | each                         | 2262.00 |
|          | N.B. For using coloured Basin, Sink, Pedestal etc. the rates of the corresponding rates of white vitreous porcelain colour will be enhanced by as follows: |                              |         |
| 6        | (a) Sky blue, Venetian, Min. green, Turquoise, Citrus yellow, Champagne, Sapphire - By 50%   |                              |         |
|          | (b) Roman brown, Fern green, Misty lilac, Orange, Sienna gold, Silver grey, Sepia, Alpine, Cornil sorvinto blue - 100%                                     |                              |         |
|          | (c) Burgandy, Emerald green coloured - 200%  |                              |         |
|          | Supplying, fitting and fixing stainless steel sink complete with waste fittings and two coats of painting of C.I. brackets.                                |                              |         |
|          | (a) Sink only  |                              |         |
| 7        | (i) 530 mm X 430 mm x 180 mm   | each                         | 3285.00 |
|          | (ii) 630 mm X 550 mm X 180 mm  | each                         | 3788.00 |
|          | (b) Sink with drain board 1050 mm X 450 mm X 180 mm  | each                         | 5006.00 |
|          | Supplying, fitting and fixing of Fire clay Kitchen Sink with overflow conforming to IS: 771 with waste fittings and C.I. Brackets.(White Colour)           |                              |         |
|          | (i) 750 mm X 450 mm X 250 mm   | each                         | 5023.00 |

**SECTION (A) - PLUMBING WORKS**  
**(A)-(V) BASIN AND SINKS WITH PARTS**

| Item No. | Description of Item   | All Districts of West Bengal |         |
|----------|---|------------------------------|---------|
|          |   | Unit                         | (Rs)    |
|          | (ii) 600mm X 400 mm X 250 mm  | each                         | 3722.00 |
|          | (iii) 600 mm X 450 mm X 200 mm  | each                         | 3641.00 |
| 8        | Supplying, fitting and fixing Drain boards for sinks with brackets in position.   |                              |         |
|          | (a) Porcelain fluted drain board of approved make   |                              |         |
|          | (i) 530 mm X 450 mm   | each                         | 1728.00 |
| 9        | Supplying, fitting and fixing approved brand P.V.C. CONNECTOR white flexible, with both ends coupling with heavy brass C.P. nut, 15 mm dia. |                              |         |
|          | (i) 300 mm long   | each                         | 57.00   |
|          | (ii) 450 mm long  | each                         | 82.00   |
|          | (iii) 600 mm long   | each                         | 107.00  |
|          | (iv) 750 mm long  | each                         | 117.00  |
|          | (v) 900 mm long   | each                         | 147.00  |
| 10       | Supplying, fitting and fixing approved brand 32 mm dia. P.V.C. waste pipe, with PVC coupling at one end fitted with necessary clamps.       |                              |         |
|          | (i) 600 mm long   | each                         | 47.00   |
|          | (ii) 750 mm long  | each                         | 59.00   |
|          | (iii) 900 mm long   | each                         | 75.00   |
|          | (iv) 1050 mm long   | each                         | 91.00   |
| 11       | Supplying, fitting and fixing C.P. chain and stay with rubber plug.   |                              |         |
|          | (i) 25 mm dia. of plug  | Each Set                     | 45.00   |
|          | (ii) 32 mm dia. of plug   | Each Set                     | 50.00   |
|          | (iii) 40 mm dia. of plug  | Each Set                     | 55.00   |
|          | (iv) 45 mm dia. of plug   | Each Set                     | 62.00   |
|          | (v) 50 mm dia. of plug  | Each Set                     | 65.00   |

**SECTION (A) - PLUMBING WORKS**  
**(A)-(V) BASIN AND SINKS WITH PARTS**

| Item No. | Description of Item   | All Districts of West Bengal |        |
|----------|---|------------------------------|--------|
|          |   | Unit                         | (Rs)   |
| 12       | Supplying, fitting and fixing C.P. chain 1200 mm long with rubber plug 65 mm dia.   | Each Set                     | 156.00 |
| 13       | Supplying, fitting and fixing C.P. chain or stay for wash basin   | each                         | 11.00  |
| 14       | Supplying, fitting and fixing rubber plug.  |                              |        |
|          | (i) 25 mm dia.  | each                         | 9.00   |
|          | (ii) 32 mm dia.   | each                         | 11.00  |
|          | (iii) 40 mm dia.  | each                         | 14.00  |
|          | (iv) 45 mm dia.   | each                         | 15.00  |
|          | (v) 50 mm dia.  | each                         | 19.00  |
| 15       | Supplying, fitting and fixing complete Bottle waste trap (Heavy Quality)  |                              |        |
|          | (a) Chromium plated Bottle trap 32 mm with 190 mm long connecting pipe and wall flange (Equivalent to Code No. 545 & Model - Tropical / Sumthing Special of ESSCO or similar brand).                        | Each                         | 629.00 |
|          | (b) PTMT Bottle trap 32 mm with connecting pipe ( Prayag or equivalent).  | Each                         | 443.00 |
| 16       | Supplying, fitting and fixing 15 mm swan neck tap with left & right hand operating nob with aerator (Equivalent to Code No. 510, 510(A) and Model - TROPICAL / SUMTHING SPECIAL of ESSCO or similar brand). | Each                         | 811.00 |
| 17       | Supplying, fitting and fixing Waste fittings complete.  |                              |        |
|          | (a) C.P. over brass   |                              |        |
|          | (i) 25 mm   | each                         | 151.00 |
|          | (ii) 32 mm  | each                         | 190.00 |
|          | (iii) 40 mm   | each                         | 238.00 |
|          | (b) Polythene   |                              |        |
|          | (i) 32 mm   | each                         | 44.00  |
|          | (ii) 40 mm  | each                         | 59.00  |
|          | (iii) 50 mm   | each                         | 65.00  |
| 18       | Supplying, fitting and fixing C.I. bracket including two coats of painting.   |                              |        |



**SECTION (A) - PLUMBING WORKS**  
**(A)-(V) BASIN AND SINKS WITH PARTS**

| Item No. | Description of Item  | All Districts of West Bengal |         |
|----------|--|------------------------------|---------|
|          |  | Unit                         | (Rs)    |
| 19       | (a) Wash basin, Dental spitton   | each                         | 135.00  |
|          | (b) Sink, Drain board  | each                         | 149.00  |
|          | (c) Surgeon's basin  | each                         | 144.00  |
|          | (d) Cistern  | each                         | 94.00   |
|          | (e) Aluminium brackets   | each                         | 78.00   |
|          | Supplying, fitting and fixing pillar cock of approved make.  |                              |         |
|          | a) (i) CP Pillar Cock - 15 mm. (Equivalent to Code No. 507 & Model - Tropical / Sumthing Special of ESSCO or similar brand).   | Each                         | 555.00  |
|          | a) (ii) CP Pillar Cock Super Deluxe with Aerator - 15 mm. (Equivalent to Code No. 508 & Model No. Tropical / Sumthing Special of ESSCO or similar brand).  | Each                         | 592.00  |
|          | b) PTMT Pillar Cock - 15 mm. (Prayag or equivalent).   | Each                         | 222.00  |
|          | c) CP Pillar Cock - 15 mm. (Code No. 5011 & Model - FLORENTINE of JAQUAR or equivalent).   | Each                         | 857.00  |
|          | d) Polythene Piller Cock (EMCO / ATLAS or equivalent)<br>(i) 15 mm   | each                         | 104.00  |
|          | e) (i) CP Centre hole Basin mixture with regular spout without popup waste system with 450 mm long braided hoses. (Equivalent to Code No. 5167(B) & Model - FLORENTINE of JAQUAR or similar brand).              | Each                         | 2458.00 |
|          | e) (ii) CP Wall Mixture without spout but with provision for connnection to Telephone Shower and exposed pipe for Overhead shower (Equivalent to Code No. 5215 & Model - FLORENTINE of JAQUAR or similar brand). | Each                         | 2458.00 |
|          | f) (i) CP Pillar Cock with 200 mm extended Lever Handle (Equivalent to Code No. 5031 & Model - FLORENTINE of JAQUAR or similar brand).   | Each                         | 1058.00 |
|          | f) (ii) CP 2-way bib Cock - 15 mm, supplied, fitted and fixed. (Code No.5041 & Model - FLORENTINE of JAQUAR or similar brand).   | Each                         | 1269.00 |

**SECTION (A) - PLUMBING WORKS**  
**(A)-(V) BASIN AND SINKS WITH PARTS**

| Item No. | Description of Item  | All Districts of West Bengal |          |
|----------|--|------------------------------|----------|
|          |  | Unit                         | (Rs)     |
|          | (g) CP Sink Cock with Regular Swinging Spout (Table Mounted Model) (Equivalent to Code No. 5357 of JAQUAR or similar brand).   | Each                         | 1022.00  |
|          | <b>(Note: Item 19(c),e(i),(ii) &amp; f to be done as per specific direction of the Superintending Engineer.)</b>   |                              |          |
| 20       | Supplying, fitting and fixing C.P. Extension Pipe  | Each                         | 106.00   |
| 21       | Supplying, fitting and fixing C.P. Offset  | Each                         | 295.00   |
| 22       | Supplying, fitting and fixing C.P. Wall Flange   | Each                         | 64.00    |
| 23       | Supplying, fitting and fixing dome shaped C.P. waste grating for urinals.  |                              |          |
|          | (i) 32 mm  | each                         | 180.00   |
|          | (ii) 50 mm   | each                         | 254.00   |
| 24       | Supplying, fitting & fixing chrome plated brass battery based infrared <b>sensor operated pillar cock</b> , having foam flow technology. (Model: Pillar Sensor Faucet of Hindware or similar brand). <b>[Note: This work should not be executed without specific permission of Superintending Engineer.]</b> |                              |          |
|          | 15 mm normal bore  | each                         | 6987.00  |
| 25       | Supplying, fitting and fixing of <b>BATH TUB</b> 1800x920x400 mm) of Approved make or brand. (Model Code no. - B2520106 of CERA or Equivalent)   | each                         | 14200.00 |
|          | <b>(b) Repair Works</b>  |                              |          |
| 1        | Dismantling wash basin with brackets with or without waste fittings.   | each                         | 35.00    |
| 2        | Refixing wash basin with brackets with or without waste fittings.  | each                         | 70.00    |
| 3        | Dismantling Surgeon's wash/ Dental spitton with brackets with or without waste fittings.   | each                         | 35.00    |
| 4        | Refixing Surgeon's wash/ Dental spitton with brackets with or without waste fittings.  | each                         | 78.00    |
| 5        | Dismantling sink with brackets with or without waste fittings.   |                              |          |
|          | (i) Upto 450 mm length   | each                         | 40.00    |
|          | (ii) Above 450 mm and upto 600 mm length   | each                         | 52.00    |
|          | (iii) Above 600 mm and upto 750 mm length  | each                         | 59.00    |

**SECTION (A) - PLUMBING WORKS**  
**(A)-(V) BASIN AND SINKS WITH PARTS**

| Item No. | Description of Item  | All Districts of West Bengal |        |
|----------|--|------------------------------|--------|
|          |  | Unit                         | (Rs)   |
| 6        | (iv) Above 750 mm length   | each                         | 76.00  |
|          | Refixing sink with brackets with or without waste fittings.  |                              |        |
|          | (i) Upto 450 mm length   | each                         | 76.00  |
|          | (ii) Above 450 mm and upto 600 mm length   | each                         | 76.00  |
|          | (iii) Above 600 mm and upto 750 mm length  | each                         | 76.00  |
|          | (iv) Above 750 mm length   | each                         | 117.00 |
| 7        | Renewing wooden block of approved variety of size 150 mm X 100 mm X 75 mm with nails and screws for fixing brackets for sinks/ basins.         | each                         | 50.00  |
| 8        | Renewing wooden scantling 450 mm X 25 mm X 12 mm under the table for fixing laboratory sink in proper position with nails and screws complete. | each                         | 34.00  |
| 9        | Cutting table for sink.  | each                         | 49.00  |
| 10       | Dismantling pillar cock of wash basin.   | each                         | 9.00   |
| 11       | Refixing pillar cock of wash basin.  | each                         | 9.00   |
| 12       | Dismantling drain board.   | each                         | 16.00  |
| 13       | Refixing drain board.  | each                         | 18.00  |
| 14       | Fixing brackets for wash basin/ sink/ drain board/ cistern.  | each                         | 25.00  |
| 15       | Renewing China stopper for wash basin.   | each                         | 75.00  |
| 16       | Dismantling bath tub.  | each                         | 100.00 |
| 17       | Refixing bath tub  | each                         | 147.00 |
| 18       | Cleaning wash basin/ sink with acid.   | each                         | 16.00  |
| 19       | Cleaning sink with soda and soap.  | each                         | 12.00  |
| 20       | Cleaning bath tub with acid.   | each                         | 40.00  |
| 21       | Renewing cap and lining of heavy quality C.P. over brass.  |                              |        |
|          | (i) 15 mm  | each                         | 29.00  |

**SECTION (A) - PLUMBING WORKS**  
**(A)-(V) BASIN AND SINKS WITH PARTS**

| Item No. | Description of Item   | All Districts of West Bengal |        |
|----------|---|------------------------------|--------|
|          |   | Unit                         | (Rs)   |
|          | (ii) 20 mm  | each                         | 52.00  |
|          | (iii) 25 mm   | each                         | 65.00  |
|          | (iv) 32 mm  | each                         | 73.00  |
|          | (v) 40 mm   | each                         | 80.00  |
|          | (vi) 45 mm  | each                         | 93.00  |
|          | (vii) 50 mm   | each                         | 100.00 |
| 22       | Renewing 32 mm N.P. waste fittings for wash basin including coupling C.P. chain and rubber plug.  | each                         | 102.00 |
| 23       | Renewing simla cap and lining brass union, heavy type best Indian make.   |                              |        |
|          | (i) 15 mm   | each                         | 43.00  |
|          | (ii) 20 mm  | each                         | 48.00  |
| 24       | Rectifying leakage of bed pan sink, renewing rubber washer fully complete with G.I. nuts and bolts.   | each                         | 77.00  |
| 25       | Renewing brass neck only of swan neck cock.   | each                         | 106.00 |
| 26       | Renewing bottle jet of bed pan sink.  | each                         | 363.00 |
| 27       | Dismantling and refixing Surgeon's mixing valve after repairs.  | each                         | 296.00 |
| 28       | Dismantling and taking out lead / polythene waste pipe and refixing the same after removing chokage including necessary bendings/ offsets and straightening and replacement of damaged parts, if any. | each                         | 29.00  |
| 29       | Cleaning and refixing displaced laboratory sink in proper position and making the edges of sinks perfectly water tight by renewing packing and putty joints and setting with rubber sheeting.         | each                         | 45.00  |
| 30       | Dismantling and re-fixing Swan Neck Piller Cock after necessary repairing, packing, washering complete.   | each                         | 60.00  |
| 31       | Dismantling and removing heavy porcelain/ enamelled bath tub for repairing the same or for repairing the floor underneath and placing the same in its original position.                              | each                         | 226.00 |

**SECTION (A) - PLUMBING WORKS**  
**(A)-(VI) TUBE WELL**

| Item No. | Description of Item  | All Districts of West Bengal |        |
|----------|--|------------------------------|--------|
|          |  | Unit                         | (Rs)   |
| 1        | <b>(a) Original Works</b>  |                              |        |
|          | Labour for boring tube well of required dia. by water jet system through any type of soil strata including hire and labour charges for boring pipes, scaffolding, tools and plants as necessary and taking out them and lowering pipes, strainers, blind pipe etc. and fitting and fixing the same complete including bucket washing and other incidental works in the connection. The tube well should have a minimum 50 mm gap in between the outside of the tubewell pipe and the bore. |                              |        |
|          | (a) For depth upto 150 metre.  |                              |        |
|          | (i) 40 mm dia. boring etc.   | metre                        | 90.00  |
|          | (ii) 50 mm dia. boring etc.  | metre                        | 148.00 |
|          | (iii) 80 mm dia. boring etc.   | metre                        | 197.00 |
|          | (b) For depth more than 150 metre.   |                              |        |
|          | (i) 40 mm dia. boring etc. beyond 150 metre  | metre                        | 111.00 |
|          | (ii) 50 mm dia. boring etc. beyond 150 metre   | metre                        | 184.00 |
|          | (iii) 80 mm dia. boring etc. beyond 150 metre  | metre                        | 216.00 |
|          | (c) For depth upto 150 metre for 40 mm dia. Tube well with top enlargement of 80 mm dia.   |                              |        |
|          | (i) 40 mm dia. boring etc.   | metre                        | 148.00 |
|          | (ii) 80 mm dia. boring etc. top enlargement  | metre                        | 287.00 |
|          | (d) For depth upto 150 metre for 50 mm dia. tube well with top enlargement of 100 mm dia.  |                              |        |
|          | (i) 50 mm dia. boring etc.   | metre                        | 287.00 |
|          | (ii) 100 mm dia. boring etc. top enlargement   | metre                        | 426.00 |

**SECTION (A) - PLUMBING WORKS**  
**(A)-(VI) TUBE WELL**

| Item No. | Description of Item  | All Districts of West Bengal |         |
|----------|--|------------------------------|---------|
|          |  | Unit                         | (Rs)    |
|          | (e) For depth upto 150 metre for 80 mm dia. tube well with top enlargement of 150 mm dia.  |                              |         |
|          | (i) 80 mm dia. boring etc.   | metre                        | 287.00  |
|          | (ii) 150 mm dia. boring etc. top enlargement   | metre                        | 685.00  |
|          | (f) For depth more than 150 metre for 50 mm dia. tube well with top enlargement of 100 mm dia.   |                              |         |
|          | (i) 50 mm dia. boring etc. beyond 150 metre  | metre                        | 216.00  |
|          | (ii) 100 mm dia. boring etc. top enlargement   | metre                        | 426.00  |
|          | <b>Note -</b> To arrive at labour cost for boring, lowering of a tube well of 50 mm dia. with top enlargement of 100 mm dia. of depth 30 metre having a total depth of boring say 200 metre from G.L.: (i) 30 m X f(ii) + 120 m X d(i) + 50 m X f(i) = Rs.10320.00 + Rs.27720.00 + Rs. 8700.00 = Rs.46740.00   |                              |         |
| 2        | Labour for boring through any type of soil for sinking tube well of required dia. with top enlargement by rig boring system (either by reserve circulation or by direct rotary method) including hire charges and labour for rig machine, tools and plants, staging, force pumping set and making arrangement for water required for boring etc. complete and lowering of pipes, strainers, blind pipes etc. complete. |                              |         |
|          | (a) For depth upto 250 metre for 100 mm dia. Tube well with top enlargement of 200 mm dia.(upto 50 metre).   |                              |         |
|          | (i) First 50 metre   | metre                        | 1014.00 |
|          | (ii) Next 50 metre   | metre                        | 883.00  |
|          | (iii) Next 50 metre  | metre                        | 1055.00 |
|          | (iv) Rest 100 metre  | metre                        | 1091.00 |
|          | (b) For depth upto 250 metre for 150 mm dia. Tube well with top enlargement of 250 mm dia.(upto 50 metre).   |                              |         |
|          | (i) First 50 metre   | metre                        | 1066.00 |
|          | (ii) Next 50 metre   | metre                        | 1049.00 |
|          | (iii) Next 50 metre  | metre                        | 1247.00 |

**SECTION (A) - PLUMBING WORKS**  
**(A)-(VI) TUBE WELL**

| Item No. | Description of Item  | All Districts of West Bengal |         |
|----------|--|------------------------------|---------|
|          |  | Unit                         | (Rs)    |
|          | (iv) Rest 100 metre  | metre                        | 1291.00 |
|          | (c) For depth upto 250 metre for 150 mm dia. Tube well with top enlargement of 300 mm dia.(upto 50 metre.)   |                              |         |
|          | (i) First 50 metre   | metre                        | 1078.00 |
|          | (ii) Next 50 metre   | metre                        | 1066.00 |
|          | (iii) Next 50 metre  | metre                        | 1271.00 |
|          | (iv) Rest 100 metre  | metre                        | 1446.00 |
|          | Note: (i) For item no. 2, measurement will be taken below G.L. taking G.L. as zero for payment. (ii) For item no. 1 & 2 for bored depth where no lowering of pipe is involved the corresponding rates would be reduced by 30%. |                              |         |
| 3        | Supplying brass-strainer with brass socket of approved make. (Heavy type)  |                              |         |
|          | (i) 40 mm dia.   | metre                        | 833.00  |
|          | (ii) 50 mm dia.  | metre                        | 1193.00 |
|          | (iii) 75 mm dia.   | metre                        | 1581.00 |
|          | (iv) 100 mm dia.   | metre                        | 1803.00 |
| 4        | Supplying G.I. pipe strainer with brass net & jacketted of approved quality. (Heavy Type)  |                              |         |
|          | (i) 40 mm dia.   | metre                        | 974.00  |
|          | (ii) 50 mm dia.  | metre                        | 1443.00 |
|          | (iii) 80 mm dia.   | metre                        | 1875.00 |

**SECTION (A) - PLUMBING WORKS**  
**(A)-(VI) TUBE WELL**

| Item No. | Description of Item  | All Districts of West Bengal |         |
|----------|--|------------------------------|---------|
|          |  | Unit                         | (Rs)    |
| 5        | Supplying high density polythene strainer of approved make with adapter conforming to I.S. specifications.   |                              |         |
|          | (i) 40 mm dia.   | metre                        | 376.00  |
|          | (ii) 50 mm dia.  | metre                        | 532.00  |
|          | (iii) 80 mm dia.   | metre                        | 820.00  |
|          | (iv) 100 mm dia.   | metre                        | 1319.00 |
| 6        | Supplying PVC strainer of approved make with adapter conforming to I.S.12818 specifications.   |                              |         |
|          | (i) 40 mm dia.   | metre                        | 293.00  |
|          | (ii) 50 mm dia.  | metre                        | 367.00  |
|          | (iii) 80 mm dia.   | metre                        | 492.00  |
|          | (iv) 100 mm dia.   | metre                        | 678.00  |
|          | (v) 150mm dia  | metre                        | 768.00  |
| 7        | Supplying, fibre glass reinforced Epoxy resin slotted of 1 mm slot width in 6.1m length of approved make and as per direction of the Engineer - in - Charge          |                              |         |
|          | (a) 100 mm nominal dia   |                              |         |
|          | (i) 6.00 mm wall thickness   | metre                        | 1638.00 |
|          | (b) 150 mm nominal dia   |                              |         |
|          | (i) 6.0 mm wall thickness  | metre                        | 2449.00 |
|          | (ii) 7.00 mm wall thickness  | metre                        | 2842.00 |
|          | (c) 200 mm nominal dia   |                              |         |
|          | (i) 6.0 mm wall thickness  | metre                        | 3224.00 |
|          | (ii) 7.00 mm wall thickness  | metre                        | 3761.00 |
| 8        | Supplying M.S. male / female adopter of approved make and brand for coupling of M.S. pipe and fibre glass strainers, as per direction of the Engineer - in - Charge. |                              |         |
|          | (i) 100 mm   | metre                        | 2628.00 |
|          | (ii) 150 mm  | metre                        | 3198.00 |
|          | (iii) 200 mm   | metre                        | 3426.00 |



**SECTION (A) - PLUMBING WORKS**  
**(A)-(VI) TUBE WELL**

| Item No. | Description of Item   | All Districts of West Bengal |         |
|----------|---|------------------------------|---------|
|          |   | Unit                         | (Rs)    |
| 9        | Supplying, fitting and fixing steel cutter piece upto 450 mm long with sockets.         |                              |         |
|          | (i) 40 mm dia.  | each                         | 124.00  |
|          | (ii) 50 mm dia.   | each                         | 189.00  |
|          | (iii) 75 mm dia.  | each                         | 403.00  |
| 10       | Supplying, fitting and fixing plug of approved make conforming to I.S. specifications.  |                              |         |
|          | (i) 40 mm   | each                         | 51.00   |
|          | (ii) 50 mm  | each                         | 71.00   |
|          | (iii) 75 mm   | each                         | 130.00  |
| 11       | Supplying, fitting and fixing chech valve (vertical) G.M. tested to 21 kg per sq. cm.   |                              |         |
|          | (i) 15 mm   | each                         | 147.00  |
|          | (ii) 20 mm  | each                         | 299.00  |
|          | (iii) 25 mm   | each                         | 409.00  |
|          | (iv) 32 mm  | each                         | 687.00  |
|          | (v) 40 mm   | each                         | 848.00  |
|          | (vi) 50 mm  | each                         | 1447.00 |
| 12       | Supplying, fitting and fixing check valve (horizontal) G.M. tested to 21 kg per sq. cm. |                              |         |
|          | (i) 15 mm   | each                         | 295.00  |
|          | (ii) 20 mm  | each                         | 466.00  |
|          | (iii) 25 mm   | each                         | 647.00  |
|          | (iv) 32 mm  | each                         | 1018.00 |
|          | (v) 40 mm   | each                         | 1480.00 |
|          | (vi) 50 mm  | each                         | 2203.00 |

**SECTION (A) - PLUMBING WORKS**  
**(A)-(VI) TUBE WELL**

| Item No. | Description of Item   | All Districts of West Bengal |         |
|----------|---|------------------------------|---------|
|          |   | Unit                         | (Rs)    |
| 13       | Supplying, fitting and fixing special hand pump no. 6 of approved make (for 50 mm or 40 mm dia. tube well). | each                         | 3734.00 |
| 14       | Supplying, fitting and fixing popular Maya pump no-6 or similar.  |                              |         |
|          | (i) For 40 mm dia. tube well  | each                         | 1596.00 |
|          | (ii) Domestic Pump of approved make of 40/50 mm dia.  | each                         | 1241.00 |
| 15       | Supplying, fitting and fixing 65 mm dia. deep well brass cylinder with necessary fittings and accessories.  | each                         | 1939.00 |
| 16       | Supplying, fitting and fixing 15 mm dia. galv. M.S. connecting rod with sockets.                            | metre                        | 73.00   |
| 17       | Supplying, fitting and fixing heavy type bell mouth reducing socket.  |                              |         |
|          | (i) 50 mm X 100 mm  | each                         | 455.00  |
|          | (ii) 75 mm X 150 mm   | each                         | 616.00  |
|          | (iii) 100 mm X 150 mm   | each                         | 616.00  |
|          | (iv) 100 mm X 200 mm  | each                         | 865.00  |
|          | (v) 200 mm X 250 mm   | each                         | 1508.00 |
| 18       | Supplying, fitting and fixing G.I. cap at top   |                              |         |
|          | (i) 100 mm  | each                         | 139.00  |
|          | (ii) 150 mm   | each                         | 503.00  |
|          | (iii) 200 mm  | each                         | 563.00  |
|          | (iv) 300 mm   | each                         | 723.00  |
| 19       | Supplying, fitting and fixing M.S socket ring   |                              |         |
|          | (i) 100 mm  | each                         | 108.00  |
|          | (ii) 150 mm   | each                         | 203.00  |
|          | (iii) 200 mm  | each                         | 262.00  |
|          | (iv) 300 mm   | each                         | 492.00  |

**SECTION (A) - PLUMBING WORKS**  
**(A)-(VI) TUBE WELL**

| Item No. | Description of Item  | All Districts of West Bengal |          |
|----------|--|------------------------------|----------|
|          |  | Unit                         | (Rs)     |
| 20       | Washing and developing tube well with air compressor pump and engine for 8 (eight) hours continuous pumping per day with necessary arrangements for testing the yield in gallons per hour with 'V' notch including hire and labour charges for all tools and plants and scaffolding as required.   | day                          | 7538.00  |
| 21       | Surging of existing tube well with chemical treatment and bucket wash (prior to use of compressor machine) and developing the tube well with compressor machine at least 3 (three) days at 8 (eight) hours per day till the yield is obtained at least by 75% of the total specified yield of the tube well (measured by 'V' notch tank) and draw down is within the permissible limit of 10% variation and water so obtained after such washing and developing will be free from sand and bacteria for which test report from the Public Analyst is to be obtained. (The rate is inclusive of all labour and materials including hire charges of tools and plants and cost of materials.) |                              |          |
|          | (a) For tube well from 40 mm to 100mm top enlarged to have yield from 1500 to 3000 gallons per hour as per size and yield.   | each                         | 17018.00 |
|          | (b) For tube well of size bigger than 100mm dia. with top enlargement to have yield of 6000 gallons per hour.  | each                         | 27862.00 |
|          | (c) For additional period  | Per Day                      | 5206.00  |
|          | N.B. This item is to be executed with the special approval of the Engineer-in-charge.  |                              |          |
| 22       | Labour for making arrangement for showing verticality test including the cost for hire charges of tools and plants, scaffolding, labour etc. all complete.   | L.S.                         | 916.00   |
| 23       | Collecting sample of water for bacteriological and chemical test from any depth at any time during execution of work including hire and labour charges for tools and plants and sterilising the equipments, paying all charges and fees, testing etc. complete in all respect as per direction.  | L.S.                         | 1231.00  |
| 24       | Packing the annular space between the outside of the tube well pipes & strainers and the bore with pea size washed gravel of approved quality having size from 2 mm to 5 mm or the size approved by the Engineer-in-charge including cost of all materials labour and equipment complete.  | cu. m.                       | 2029.00  |
|          | Note: Initial 6 m. of Annular space between the housing pipe and the bore should not be shrouded with Pea size gravel to avoid contamination with surface water.   |                              |          |

**SECTION (A) - PLUMBING WORKS**  
**(A)-(VI) TUBE WELL**

| Item No. | Description of Item  | All Districts of West Bengal |         |
|----------|--|------------------------------|---------|
|          |  | Unit                         | (Rs)    |
| 25       | Packing annular space between the outside of the housing pipe and the bore with puddled clay balls of approved size as per direction of the Engineer-in-charge with cost of all materials and labour complete. | cu. m.                       | 417.00  |
| 26       | Providing and fixing bell plug as required upto 250 mm (internal) dia. ERWMS pipe including cost of materials and labour complete.   | each                         | 431.00  |
| 27       | Supplying, fitting and fixing 300 mm M.S. housing clamp of approved quality.   | Per Set                      | 2235.00 |
| 28       | Providing 200 mm centre guide.   |                              |         |
|          | i) With Clamp  | Per Set                      | 128.00  |
|          | ii) With Flat  | Per Set                      | 71.00   |
| 29       | Geophysical investigation of the acquifer by electrologging system with all tools and plants as necessary including supply of necessary report.  | Each Test                    | 8247.00 |
|          | <b>(b) Repair Works</b>  |                              |         |
| 1        | Taking out pipes of existing tube well including strainer etc. complete for portion of length:   |                              |         |
|          | (a) Upto 20 metre below G.L.   |                              |         |
|          | (i) 40 mm dia.   | metre                        | 28.00   |
|          | (ii) 50 mm dia.  | metre                        | 45.00   |
|          | (iii) 80 mm dia.   | metre                        | 54.00   |
|          | (iv) 100 mm dia.   | metre                        | 80.00   |
|          | (v) 150 mm dia.  | metre                        | 97.00   |
|          | (vi) 200 mm dia.   | metre                        | 128.00  |
|          | (vii) 250 mm dia.  | metre                        | 142.00  |
|          | (viii) 300 mm dia.   | metre                        | 160.00  |
|          | (ix) 350 mm dia.   | metre                        | 173.00  |
|          | (b) Beyond 20 metre below G.L.   |                              |         |
|          | (i) 40 mm dia.   | metre                        | 45.00   |
|          | (ii) 50 mm dia.  | metre                        | 54.00   |
|          | (iii) 80 mm dia.   | metre                        | 80.00   |
|          | (iv) 100 mm dia.   | metre                        | 97.00   |
|          | (v) 150 mm dia.  | metre                        | 128.00  |
|          | (vi) 200 mm dia.   | metre                        | 142.00  |
|          | (vii) 250 mm dia.  | metre                        | 160.00  |
|          | (viii) 300 mm dia.   | metre                        | 173.00  |
|          | (ix) 350 mm dia.   | metre                        | 192.00  |

**SECTION (A) - PLUMBING WORKS**  
**(A)-(VI) TUBE WELL**

| <i>Item No.</i> | <i>Description of Item</i>   | <i>All Districts of West Bengal</i> |                |
|-----------------|--|-------------------------------------|----------------|
|                 |  | <i>Unit</i>                         | <i>(Rs)</i>    |
| 2               | <i>Repairing choked up tube well by cleaning and washing with chemical including pumping with powerful pump.</i> |                                     |                |
|                 | <i>(i) 40 mm to 50 mm dia. tube well upto 100 metre deep</i>   | <i>Each Set</i>                     | <i>2347.00</i> |
|                 | <i>(ii) Above 50 mm to 100 mm dia. tube well upto 100 metre deep</i>   | <i>Each Set</i>                     | <i>4665.00</i> |
| 3               | <i>Supplying, fitting and fixing brass cylinder parts.</i>   |                                     |                |
|                 | <i>(i) Brass plunger complete</i>  | <i>each</i>                         | <i>393.00</i>  |
|                 | <i>(ii) Brass plunger complete without G.I. rod</i>  | <i>each</i>                         | <i>346.00</i>  |
|                 | <i>(iii) C.I. top socket</i>   | <i>each</i>                         | <i>79.00</i>   |
|                 | <i>(iv) C.I. bottom socket</i>   | <i>each</i>                         | <i>87.00</i>   |
|                 | <i>(v) 65 mm brass tube (both ends threaded)</i>   | <i>each</i>                         | <i>1103.00</i> |

**SECTION (B) - SANITARY AND DRAINAGE WORKS**  
**(B)-(I) HYDRANT AND ALLIED WORKS**

| Item No. | Description of Item   | All Districts of West Bengal |         |
|----------|---|------------------------------|---------|
|          |   | Unit                         | (Rs)    |
|          | <b>(a) Original Works</b>   |                              |         |
| 1        | Supplying, fitting and fixing ground hydrant of approved make.  |                              |         |
|          | (i) 20 mm   | each                         | 966.00  |
|          | (ii) 25 mm  | each                         | 1395.00 |
|          | (iii) 32 mm   | each                         | 2777.00 |
|          | (iv) 40 mm  | each                         | 3836.00 |
| 2        | Supplying, fitting and fixing street pattern hydrant 65 mm with guaranteed spindles and C.I.cover complete.                     | each                         | 4011.00 |
| 3        | Supplying, fitting and fixing C.I. cover for street pattern hydrant.  | each                         | 815.00  |
| 4        | Supplying, fitting and fixing fire hydrant of approved make.  |                              |         |
|          | (i) 20 mm   | each                         | 956.00  |
|          | (ii) 25 mm  | each                         | 1365.00 |
|          | (iii) 32 mm   | each                         | 2828.00 |
|          | (iv) 40 mm  | each                         | 3926.00 |
|          | <b>(b) Repair Works</b>   |                              |         |
| 1        | Dismantling and refixing 65 mm street hydrant.  | each                         | 64.00   |
| 2        | Renewing C.I. square head of street hydrant.  | each                         | 127.00  |
| 3        | Renewing leather washer of street hydrant.  |                              |         |
|          | (i) 50 mm   | each                         | 59.00   |
|          | (ii) 45 mm  | each                         | 56.00   |
| 4        | Renewing 150 mm X 150 mm grey rubber washer for flange of street hydrant.   | each                         | 45.00   |
| 5        | Supplying, fitting and fixing spindle (G.M.) nipple for hydrants to make house union 25 mm to 40 mm size.                       | each                         | 235.00  |
| 6        | Regrinding valve seat of street hydrant.  | each                         | 114.00  |
| 7        | Renewing brass jumper of street hydrant.  | each                         | 114.00  |
| 8        | Dismantling garden hydrant and refixing the same after repair including regrinding seat 40 mm and above.                        | each                         | 140.00  |
| 9        | Dismantling fire hydrant after plugging off the supply for repairs and refixing the same including taking to workshop and back. | each                         | 338.00  |
| 10       | Renewing bolt and nut for hydrant.  | each                         | 12.00   |

**SECTION (B) - SANITARY AND DRAINAGE WORKS**  
**(B)-(I) HYDRANT AND ALLIED WORKS**

| <i>Item No.</i> | <i>Description of Item</i>                  | <i>All Districts of West Bengal</i> |               |
|-----------------|---|-------------------------------------|---------------|
|                 |   | <i>Unit</i>                         | <i>(Rs)</i>   |
| <i>11</i>       | <i>Renewing spindle of hydrant.</i>         |                                     |               |
|                 | <i>(i) 15 mm</i>                            | <i>each</i>                         | <i>72.00</i>  |
|                 | <i>(ii) 20 mm</i>                           | <i>each</i>                         | <i>81.00</i>  |
|                 | <i>(iii) 25 mm</i>                          | <i>each</i>                         | <i>92.00</i>  |
|                 | <i>(iv) 32 mm</i>                           | <i>each</i>                         | <i>131.00</i> |
|                 | <i>(v) 50 mm</i>                            | <i>each</i>                         | <i>243.00</i> |
|                 | <i>(vi) 75 mm</i>                           | <i>each</i>                         | <i>470.00</i> |
| <i>12</i>       | <i>Renewing pin for hydrant.</i>            | <i>each</i>                         | <i>26.00</i>  |
| <i>13</i>       | <i>Renewing 65 mm bridge guage.</i>         | <i>each</i>                         | <i>267.00</i> |
| <i>14</i>       | <i>Renewing cap for 65 mm bridge guage.</i> | <i>each</i>                         | <i>133.00</i> |
| <i>15</i>       | <i>Renewing brickets for hydrant.</i>       | <i>each</i>                         | <i>123.00</i> |
| <i>16</i>       | <i>Renewing English rubber seat.</i>        |                                     |               |
|                 | <i>(i) 80 mm dia. 10 mm thick</i>           | <i>each</i>                         | <i>31.00</i>  |
|                 | <i>(ii) 125 mm dia. 6 mm thick</i>          | <i>each</i>                         | <i>32.00</i>  |

**SECTION (B) - SANITARY AND DRAINAGE WORKS**  
**(B)-(II) SOIL PIPE AND FITTINGS**

| Item No. | Description of Item   | All Districts of West Bengal |         |
|----------|---|------------------------------|---------|
|          |   | Unit                         | (Rs)    |
|          | <b>(a) Original Works</b>   |                              |         |
| 1        | Supplying, fitting & fixing Cast iron soil pipe only conforming to I.S. 3989/2009 and I.S. 1729/2002 with bobbins, nails etc. including making holes in the wall, floor etc. and cutting trenches etc. in any floor through masonry concrete, if necessary, and mending good damages with necessary jointing materials and painting two coats to the exposed surface with approved paint complete. (Measurement will be made along the center line of the total pipe line in fitted condition including specials, payment for specials & Painting will however be paid seperately). |                              |         |
|          | (a) With valamoid joints including sealing with sand cement mortar (4:1) upto quarter depth.  |                              |         |
|          | (i) 150 mm dia. (internal)  | metre                        | 1373.00 |
|          | (ii) 100 mm dia. (internal)   | metre                        | 688.00  |
|          | (iii) 75 mm dia. (internal)   | metre                        | 571.00  |
|          | (iv) 50 mm dia. (internal)  | metre                        | 447.00  |
|          | (b) With lead caulked joints.   |                              |         |
|          | (i) 150 mm dia. (internal)  | metre                        | 1469.00 |
|          | (ii) 100 mm dia. (internal)   | metre                        | 751.00  |
|          | (iii) 75 mm dia. (internal)   | metre                        | 617.00  |
|          | (iv) 50 mm dia. (internal)  | metre                        | 490.00  |
| 2        | Supplying, fitting & fixing Cast iron single branch equal with door conforming to I.S. 1729/2002 including joining and painting two coats to the exposed surface with approved paint complete. (Payment of Painting will however be paid seperately).   |                              |         |
|          | (a) With valamoid joints including sealing the top with cement mortar (4:1)   |                              |         |
|          | (i) 150 mm dia.   | each                         | 1539.00 |
|          | (ii) 100 mm dia.  | each                         | 794.00  |
|          | (iii) 75 mm dia.  | each                         | 543.00  |
|          | (iv) 50 mm dia.   | each                         | 476.00  |
|          | (b) With lead caulked joints  |                              |         |



**SECTION (B) - SANITARY AND DRAINAGE WORKS**  
**(B)-(II) SOIL PIPE AND FITTINGS**

| Item No. | Description of Item  | All Districts of West Bengal |         |
|----------|--|------------------------------|---------|
|          |  | Unit                         | (Rs)    |
| 3        | (i) 150 mm dia.  | each                         | 1727.00 |
|          | (ii) 100 mm dia.   | each                         | 905.00  |
|          | (iii) 75 mm dia.   | each                         | 622.00  |
|          | (iv) 50 mm dia.  | each                         | 510.00  |
|          | Supplying, fitting & fixing Cast iron double branch equal with door conforming to I.S. 1729/2002 including jointing and painting two coats to the exposed surface with approved paint complete. (Payment of Painting will however be paid seperately). |                              |         |
|          | (a) With valamoid joints including sealing the top with cement mortar (4:1)  |                              |         |
|          | (i) 150 mm dia.  | each                         | 1803.00 |
|          | (ii) 100 mm dia.   | each                         | 916.00  |
|          | (iii) 75 mm dia.   | each                         | 709.00  |
|          | (iv) 50 mm dia.  | each                         | 634.00  |
|          | (b) With lead caulked joints   |                              |         |
|          | (i) 150 mm dia.  | each                         | 2074.00 |
|          | (ii) 100 mm dia.   | each                         | 1069.00 |
|          | (iii) 75 mm dia.   | each                         | 818.00  |
|          | (iv) 50 mm dia.  | each                         | 699.00  |
|          | N.B. For single or double junction without door, the rates for items 2 & 3 will be reduced by Rs. 50.00.   |                              |         |
| 4        | Supplying, fitting & fixing H.C.I. bend with door conforming to I.S.S. including jointing complete and painting two coats to the exposed surface with approved paint complete. (Payment of Painting will however be paid seperately).                  |                              |         |
|          | (a) With valamoid joints including sealing the top with cement mortar (4:1)  |                              |         |
|          | (i) 150 mm dia.  | each                         | 862.00  |
|          | (ii) 100 mm dia.   | each                         | 543.00  |
|          | (iii) 75 mm dia.   | each                         | 421.00  |

**SECTION (B) - SANITARY AND DRAINAGE WORKS**  
**(B)-(II) SOIL PIPE AND FITTINGS**

| Item No. | Description of Item  | All Districts of West Bengal |         |
|----------|--|------------------------------|---------|
|          |  | Unit                         | (Rs)    |
| 5        | (iv) 50 mm dia.  | each                         | 372.00  |
|          | (b) With lead caulked joints   |                              |         |
|          | (i) 150 mm dia.  | each                         | 1040.00 |
|          | (ii) 100 mm dia.   | each                         | 646.00  |
|          | (iii) 75 mm dia.   | each                         | 505.00  |
|          | (iv) 50 mm dia.  | each                         | 420.00  |
|          | Supplying, fitting & fixing H.C.I. bend without door conforming to I.S.S. including jointing complete and painting two coats to the exposed surface with approved paint complete. (Payment of Painting will however be paid separately). |                              |         |
|          | (a) With valamoid joints including sealing the top with cement mortar (4:1)  |                              |         |
|          | (i) 150 mm dia.  | each                         | 890.00  |
|          | (ii) 100 mm dia.   | each                         | 496.00  |
|          | (iii) 75 mm dia.   | each                         | 410.00  |
|          | (iv) 50 mm dia.  | each                         | 320.00  |
|          | (b) With lead caulked joints   |                              |         |
|          | (i) 150 mm dia.  | each                         | 1068.00 |
|          | (ii) 100 mm dia.   | each                         | 600.00  |
|          | (iii) 75 mm dia.   | each                         | 494.00  |
|          | (iv) 50 mm dia.  | each                         | 369.00  |
| 6        | Supplying, fitting & fixing H.C.I. heel rest bend conforming to I.S.S. including jointing complete and painting two coats to the exposed surface with approved paint complete. (Payment of Painting will however be paid separately).    |                              |         |
|          | (a) With valamoid joints including sealing the top with cement mortar (4:1)  |                              |         |
|          | (i) 150 mm dia.  | each                         | 996.00  |
|          | (ii) 100 mm dia.   | each                         | 550.00  |

**SECTION (B) - SANITARY AND DRAINAGE WORKS**  
**(B)-(II) SOIL PIPE AND FITTINGS**

| Item No. | Description of Item   | All Districts of West Bengal |         |
|----------|---|------------------------------|---------|
|          |   | Unit                         | (Rs)    |
|          | (iii) 75 mm dia.  | each                         | 435.00  |
|          | (iv) 50 mm dia.   | each                         | 395.00  |
|          | (b) With lead caulked joints  |                              |         |
|          | (i) 150 mm dia.   | each                         | 1167.00 |
|          | (ii) 100 mm dia.  | each                         | 649.00  |
|          | (iii) 75 mm dia.  | each                         | 544.00  |
|          | (iv) 50 mm dia.   | each                         | 455.00  |
| 7        | (A) Supplying, fitting & fixing H.C.I. offset conforming to I.S.S. including jointing complete with or without ear (75 mm projection) and painting two coats to the exposed surface with approved paint complete. (Payment of Painting will however be paid seperately).  |                              |         |
|          | (a) With valamoid joints including sealing the top with cement mortar (4:1)   |                              |         |
|          | (i) 150 mm dia.   | each                         | 846.00  |
|          | (ii) 100 mm dia.  | each                         | 619.00  |
|          | (iii) 75 mm dia.  | each                         | 443.00  |
|          | (iv) 50 mm dia.   | each                         | 350.00  |
|          | (b) With lead caulked joints  |                              |         |
|          | (i) 150 mm dia.   | each                         | 1023.00 |
|          | (ii) 100 mm dia.  | each                         | 722.00  |
|          | (iii) 75 mm dia.  | each                         | 527.00  |
|          | (iv) 50 mm dia.   | each                         | 399.00  |
|          | (B) Supplying, fitting & fixing H.C.I. offset conforming to I.S.S. including jointing complete with or without ear (150 mm projection) and painting two coats to the exposed surface with approved paint complete. (Payment of Painting will however be paid seperately). |                              |         |

**SECTION (B) - SANITARY AND DRAINAGE WORKS**  
**(B)-(II) SOIL PIPE AND FITTINGS**

| Item No. | Description of Item  | All Districts of West Bengal |         |
|----------|--|------------------------------|---------|
|          |  | Unit                         | (Rs)    |
|          | (a) With valamoid joints including sealing the top with cement mortar (4:1)  |                              |         |
|          | (i) 150 mm dia.  | each                         | 1055.00 |
|          | (ii) 100 mm dia.   | each                         | 646.00  |
|          | (iii) 75 mm dia.   | each                         | 536.00  |
|          | (iv) 50 mm dia.  | each                         | 443.00  |
|          | (b) With lead caulked joints   |                              |         |
|          | (i) 150 mm dia.  | each                         | 1232.00 |
|          | (ii) 100 mm dia.   | each                         | 749.00  |
|          | (iii) 75 mm dia.   | each                         | 620.00  |
|          | (iv) 50 mm dia.  | each                         | 491.00  |
| 8        | (a) H.C.I. bell mouth plain trap supplied, fitted and fixed with lead jointing complete 100 mm dia and painting two coats to the exposed surface with approved paint complete. (Payment of Painting will however be paid seperately).  | each                         | 845.00  |
|          | (b) H.C.I. bell mouth plain trap supplied, fitted and fixed with valamoid joint complete 100 mm dia and painting two coats to the exposed surface with approved paint complete. (Payment of Painting will however be paid seperately). | each                         | 742.00  |
| 9        | Supplying, fitting & fixing approved patent vent cowl I.C.I. conforming to I.S.S and painting two coats to the exposed surface with approved paint complete. (Payment of Painting will however be paid seperately).                    |                              |         |
|          | (i) 100 mm dia.  | each                         | 367.00  |
|          | (ii) 75 mm dia.  | each                         | 273.00  |
|          | (iii) 50 mm dia.   | each                         | 241.00  |
| 10       | Supplying, fitting & fixing Aluminium domical grating.   |                              |         |
|          | (i) 150 mm   | each                         | 74.00   |
|          | (ii) 125 mm  | each                         | 56.00   |
|          | (iii) 100 mm   | each                         | 49.00   |

**SECTION (B) - SANITARY AND DRAINAGE WORKS**  
**(B)-(II) SOIL PIPE AND FITTINGS**

| Item No. | Description of Item   | All Districts of West Bengal |         |
|----------|---|------------------------------|---------|
|          |   | Unit                         | (Rs)    |
|          | (iv) 87.5 mm  | each                         | 42.00   |
|          | (v) 75 mm   | each                         | 41.00   |
|          | (vi) 50 mm  | each                         | 38.00   |
| 11       | Supplying, fitting & fixing Cast Iron Fresh air inlet valve 100 mm and painting two coats to the exposed surface with approved paint complete. (Payment of Painting will however be paid seperately).   | each                         | 171.00  |
| 12       | Supplying, fitting & fixing Cast iron inverted single junction or antisiphon all degrees conforming to I.S. 3989/2009 and 1729/ 2002 including jointing and painting two coats to the exposed surface.(Painting will however be paid seperately).   |                              |         |
|          | (a) With valamoid joints including sealing the top with cement mortar (4:1) upto quarter depth.   |                              |         |
|          | (i) 50 mm X 50 mm   | each                         | 561.00  |
|          | (ii) 100 mm X 50 mm   | each                         | 716.00  |
| 13       | Supplying, fitting & fixing Cast iron inverted double junction or antisiphon all degrees conforming to I.S. 3989/2009 and 1729 / 2002 including jointing and painting two coats to the exposed surface with approved paint complete. (Measurement of Painting will however be paid seperately). |                              |         |
|          | (a) With valamoid joints including sealing the top with cement mortar (4:1) upto quarter depth.   |                              |         |
|          | (i) 100 mm X 50 mm X 50 mm  | each                         | 885.00  |
|          | (b) with lead caulked joints.   |                              |         |
|          | (i) 100 mm X 50 mm X 50 mm  | each                         | 1067.00 |
| 14       | Supplying,fitting and fixing cast iron 'P' or 'S' trap conformimg to I.S. 3989/ 2009 and 1729/ 2002 including lead caulked joints and painting two coats to the exposed surface. (Painting to be paid seperately).  |                              |         |
|          | (A) 'P' Trap  |                              |         |
|          | (i) 50 mm   | each                         | 507.00  |
|          | (ii) 75 mm  | each                         | 602.00  |

**SECTION (B) - SANITARY AND DRAINAGE WORKS**  
**(B)-(II) SOIL PIPE AND FITTINGS**

| Item No. | Description of Item   | All Districts of West Bengal |         |
|----------|---|------------------------------|---------|
|          |   | Unit                         | (Rs)    |
|          | (iii) 100 mm  | each                         | 948.00  |
|          | (iv) 150 mm   | each                         | 1687.00 |
|          | (B) 'S' Trap  |                              |         |
|          | (i) 50 mm   | each                         | 675.00  |
|          | (ii) 75 mm  | each                         | 656.00  |
|          | (iii) 100 mm  | each                         | 803.00  |
|          | (iv) 150 mm   | each                         | 1468.00 |
| 15       | Supplying, fitting and fixing cast iron extension pipes for using in Traps only (connector) conforming to I.S.3989/2009 and 1729/2002 including lead caulked joints complete and painting two coats to the exposed surface with approved paint complete. (Payment of Painting will however be paid separately). |                              |         |
| (a)      | (i) 100 mm X 150 mm   | each                         | 461.00  |
|          | (ii) 100 mm X 225 mm  | each                         | 511.00  |
|          | (iii) 100 mm X 300 mm   | each                         | 555.00  |
|          | (iv) 100 mm X 375 mm  | each                         | 586.00  |
|          | (v) 100 mm X 450 mm   | each                         | 616.00  |
|          | (vi) 100 mm X 525 mm  | each                         | 685.00  |
|          | (vii) 100 mm X 600 mm   | each                         | 710.00  |
|          | (b) Extension 50 mm one way   |                              |         |
|          | (i) 100 mm X 375 mm   | each                         | 619.00  |
|          | (c) Extension 50 mm two way   |                              |         |
|          | (i) 100 mm X 375 mm   | each                         | 744.00  |
| 16       | Supplying, fitting and fixing with cement jointing (3:1) salt glazed stoneware pipe including excavation of earth upto 1.50 metre depth in all sorts of soil both mixed or unmixed and refilling (but excluding concreting at bottom and sides).  |                              |         |
|          | (i) 300 mm  | Mtr.                         | 927.00  |
|          | (ii) 225 mm   | Mtr.                         | 528.00  |

**SECTION (B) - SANITARY AND DRAINAGE WORKS**  
**(B)-(II) SOIL PIPE AND FITTINGS**

| Item No. | Description of Item  | All Districts of West Bengal |        |
|----------|--|------------------------------|--------|
|          |  | Unit                         | (Rs)   |
| 17       | (iii) 150 mm   | Mtr.                         | 334.00 |
|          | (iv) 100 mm  | Mtr.                         | 294.00 |
|          | Supplying, fitting and fixing with cement jointing (3:1) with jute gasket soaked in cement mortar. |                              |        |
|          | (a) Stoneware bend   |                              |        |
|          | (i) 300 mm   | each                         | 532.00 |
|          | (ii) 225 mm  | each                         | 447.00 |
|          | (iii) 150 mm   | each                         | 350.00 |
|          | (iv) 100 mm  | each                         | 309.00 |
|          | (b) Stoneware single T or Y junction   |                              |        |
|          | (i) 225 mm   | each                         | 506.00 |
|          | (ii) 150 mm  | each                         | 447.00 |
|          | (iii) 100 mm   | each                         | 282.00 |
|          | (c) Stoneware double T or Y junction   |                              |        |
|          | (i) 150 mm   | each                         | 485.00 |
|          | (ii) 100 mm  | each                         | 434.00 |
| 18       | Supplying, fitting and fixing C.I. round grating.  |                              |        |
|          | (i) 100 mm   | each                         | 62.00  |
|          | (ii) 150 mm  | each                         | 85.00  |
|          | (iii) 225 mm   | each                         | 119.00 |
| 19       | Supplying, fitting and fixing C.I. square jalli.   |                              |        |
|          | (i) 100 mm   | each                         | 73.00  |
|          | (ii) 150 mm  | each                         | 102.00 |
|          | (iii) 225 mm   | each                         | 142.00 |
|          | (iv) 300 mm  | each                         | 185.00 |

**SECTION (B) - SANITARY AND DRAINAGE WORKS**  
**(B)-(II) SOIL PIPE AND FITTINGS**

| Item No. | Description of Item   | All Districts of West Bengal |         |
|----------|---|------------------------------|---------|
|          |   | Unit                         | (Rs)    |
| 20       | (v) 450 mm  | each                         | 307.00  |
|          | Supplying, fitting and fixing yard gully with approved H.C.I. grating complete.   |                              |         |
|          | (i) 225 mm X 150 mm with 230 mm gratings  | each                         | 508.00  |
| 21       | (ii) 150 mm X 100 mm with 150 mm gratings   | each                         | 311.00  |
|          | Supplying, fitting and fixing S.W. master trap.   |                              |         |
|          | (i) 150 mm X 150 mm   | each                         | 947.00  |
| 22       | (ii) 225 mm X 225 mm  | each                         | 5720.00 |
|          | Cast Iron fittings for soil pipe line conforming to I.S. 1729/2002 including jointing and fitting and fixing in position and painting two coats to the exposed surface complete including cost of all materials & labour.(Payment of painting will be paid separately.) |                              |         |
|          | (a) Single junction of 150 mm.X 100 mm. dia with door   |                              |         |
|          | (i) With valamoid joint including sealing the top with cement mortar (4:1)  | each                         | 1417.00 |
|          | (ii) With lead caulked joints   | each                         | 1426.00 |
|          | (b) Double junction of 150 mm.dia X 100 mm.dia X 100 mm. with door  |                              |         |
|          | (i) With valamoid joints including sealing the top with cement mortar (4:1)   | each                         | 1441.00 |
|          | (ii) With lead caulked joints   | each                         | 1629.00 |
|          | (c) Double 'Y' junction of 150 mm.dia X 100 mm.dia X 100 mm.dia with door   |                              |         |
|          | (i) With valamoid joints including sealing the top with cement mortar (4:1)   | each                         | 1375.00 |
|          | (ii) With lead caulked joints   | each                         | 1563.00 |
|          | N.B. For any junction without door the rate for above items will be reduced by Rs. 50.00  |                              |         |
| 23       | Supply of UPVC pipes (B Type) & fittings conforming to IS-13592-1992  |                              |         |
|          | (A) (i) Single Socketed 3 Meter Length  |                              |         |



**SECTION (B) - SANITARY AND DRAINAGE WORKS**  
**(B)-(II) SOIL PIPE AND FITTINGS**

| <i>Item No.</i> | <i>Description of Item</i>             | <i>All Districts of West Bengal</i> |             |
|-----------------|--|-------------------------------------|-------------|
|                 |  | <i>Unit</i>                         | <i>(Rs)</i> |
|                 | (a) 75 mm                              | metre                               | 196.00      |
|                 | (b) 110 mm                             | metre                               | 292.00      |
|                 | (c) 160 mm                             | metre                               | 546.00      |
|                 | (ii) Double Socketed 3 Meter Length    |                                     |             |
|                 | (a) 75 mm                              | metre                               | 211.00      |
|                 | (b) 110 mm                             | metre                               | 315.00      |
|                 | (c) 160 mm                             | metre                               | 598.00      |
|                 | (iii) Single Socketed 1.8 Meter Length |                                     |             |
|                 | (a) 75 mm                              | metre                               | 204.00      |
|                 | (b) 110 mm                             | metre                               | 293.00      |
|                 | (iv) Double Socketed 1.8 Meter Length  |                                     |             |
|                 | (a) 75 mm                              | metre                               | 210.00      |
|                 | (b) 110 mm                             | metre                               | 317.00      |
|                 | (v) Double Socketed 1.2 Meter Length   |                                     |             |
|                 | (a) 75 mm                              | metre                               | 219.00      |
|                 | (b) 110 mm                             | metre                               | 322.00      |
|                 | (vi) Double Socketed 0.9 Meter Length  |                                     |             |
|                 | (a) 75 mm                              | metre                               | 226.00      |

**SECTION (B) - SANITARY AND DRAINAGE WORKS**  
**(B)-(II) SOIL PIPE AND FITTINGS**

| <i>Item No.</i> | <i>Description of Item</i>              | <i>All Districts of West Bengal</i> |             |
|-----------------|---|-------------------------------------|-------------|
|                 |   | <i>Unit</i>                         | <i>(Rs)</i> |
|                 | (b) 110 mm                              | metre                               | 324.00      |
|                 | (vii) Double Socketed 0.60 Meter Length |                                     |             |
|                 | (a) 75 mm                               | metre                               | 236.00      |
|                 | (b) 110 mm                              | metre                               | 337.00      |
|                 | (B) Fittings                            |                                     |             |
|                 | (i) Coupler                             |                                     |             |
|                 | (a) 75 mm                               | Each                                | 46.00       |
|                 | (b) 110 mm                              | Each                                | 85.00       |
|                 | (c) 160 mm                              | Each                                | 261.00      |
|                 | (ii) Plain Tee                          |                                     |             |
|                 | (a) 75 mm                               | Each                                | 46.00       |
|                 | (b) 110 mm                              | Each                                | 85.00       |
|                 | (c) 160 mm                              | Each                                | 262.00      |
|                 | (iii) Door Tee                          |                                     |             |
|                 | (a) 75 mm                               | Each                                | 101.00      |
|                 | (b) 110 mm                              | Each                                | 195.00      |
|                 | (c) 160 mm                              | Each                                | 514.00      |
|                 | iv) Door Tee(LH) & (RH)                 |                                     |             |
|                 | (a) 75 mm                               | Each                                | 178.00      |
|                 | (b) 110 mm                              | Each                                | 312.00      |
|                 | v) Plain Y                              |                                     |             |
|                 | (a) 75 mm                               | Each                                | 102.00      |
|                 | (b) 110 mm                              | Each                                | 206.00      |
|                 | (c) 160 mm                              | Each                                | 583.00      |
|                 | vi) Door Y (LH) & (RH)                  |                                     |             |
|                 | (a) 75 mm                               | Each                                | 140.00      |
|                 | (b) 110 mm                              | Each                                | 276.00      |
|                 | vii) Double Y                           |                                     |             |
|                 | (a) 75 mm                               | Each                                | 150.00      |
|                 | (b) 110 mm                              | Each                                | 274.00      |
|                 | viii) Double Y with Door                |                                     |             |

**SECTION (B) - SANITARY AND DRAINAGE WORKS**  
**(B)-(II) SOIL PIPE AND FITTINGS**

| <i>Item No.</i> | <i>Description of Item</i>                              | <i>All Districts of West Bengal</i> |             |
|-----------------|---|-------------------------------------|-------------|
|                 |   | <i>Unit</i>                         | <i>(Rs)</i> |
|                 | (a) 75 mm   | Each                                | 215.00      |
|                 | (b) 110 mm  | Each                                | 345.00      |
|                 | ix) Bend 45°  |                                     |             |
|                 | (a) 75 mm   | Each                                | 54.00       |
|                 | (b) 110 mm  | Each                                | 89.00       |
|                 | (c) 160 mm  | Each                                | 293.00      |
|                 | x) Bend 87.5°   |                                     |             |
|                 | (a) 75 mm   | Each                                | 61.00       |
|                 | (b) 110 mm  | Each                                | 120.00      |
|                 | (c) 160 mm  | Each                                | 338.00      |
|                 | xi) Door Bend (T.S.)                                    |                                     |             |
|                 | (a) 75 mm   | Each                                | 83.00       |
|                 | (b) 110 mm  | Each                                | 147.00      |
|                 | (c) 160 mm  | Each                                | 369.00      |
|                 | xii) Door Bend (LH) & (RH)                              |                                     |             |
|                 | (a) 75 mm   | Each                                | 125.00      |
|                 | (b) 110 mm  | Each                                | 284.00      |
|                 | xiii) Cross Tee   |                                     |             |
|                 | (a) 75 mm   | Each                                | 145.00      |
|                 | (b) 110 mm  | Each                                | 186.00      |
|                 | xiv) Cross Tee with Door                                |                                     |             |
|                 | (a) 75 mm   | Each                                | 216.00      |
|                 | (b) 110 mm  | Each                                | 239.00      |
|                 | xv) Vent Cowl   |                                     |             |
|                 | (a) 75 mm   | Each                                | 25.00       |
|                 | (b) 110 mm  | Each                                | 33.00       |
|                 | (c) 160 mm  | Each                                | 57.00       |
|                 | xvi) Pipe Clip  |                                     |             |
|                 | (a) 75 mm   | Each                                | 16.00       |
|                 | (b) 110 mm  | Each                                | 21.00       |
|                 | (c) 160 mm  | Each                                | 43.00       |
|                 | xvii) W.C. Connector (150 mm long) 125 X 110(W/WC Ring) |                                     |             |
|                 | 75 mm   | Each                                | 142.00      |
|                 | xviii) W.C. Connector (450 mm long) W / lipring         |                                     |             |
|                 | 75 mm   | Each                                | 277.00      |
|                 | xix) W.C. Connector Bend W / lipring                    |                                     |             |
|                 | 75 mm   | Each                                | 159.00      |
|                 | xx) 125/110 P Trap with W.C. Ring                       |                                     |             |

**SECTION (B) - SANITARY AND DRAINAGE WORKS**  
**(B)-(II) SOIL PIPE AND FITTINGS**

| <i>Item No.</i> | <i>Description of Item</i>                          | <i>All Districts of West Bengal</i> |             |
|-----------------|---|-------------------------------------|-------------|
|                 |   | <i>Unit</i>                         | <i>(Rs)</i> |
|                 | 75 mm   | Each                                | 340.00      |
|                 | xxi) 110 X 110 P Trap                               |                                     |             |
|                 | 75 mm   | Each                                | 281.00      |
|                 | xxii) 125/110 S Trap with W.C. Ring                 |                                     |             |
|                 | 75 mm   | Each                                | 552.00      |
|                 | xxiii) 110/110 S Trap                               |                                     |             |
|                 | 75 mm   | Each                                | 434.00      |
|                 | xxiv) 125/110 Q Trap with W.C. Ring                 |                                     |             |
|                 | 75 mm   | Each                                | 472.00      |
|                 | xxv) 110/110 Q Trap                                 |                                     |             |
|                 | 75 mm   | Each                                | 345.00      |
|                 | xxvi) Reducer 110 X 75 mm                           |                                     |             |
|                 | 75 mm   | Each                                | 80.00       |
|                 | xxvii) Reducing Tee (110 X 75 mm)                   |                                     |             |
|                 | 75 mm   | Each                                | 142.00      |
|                 | xxviii) Reducing Tee (160 X 110 mm)                 |                                     |             |
|                 | 75 mm   | Each                                | 405.00      |
|                 | xxix) Passover                                      |                                     |             |
|                 | (a) 75 mm   | Each                                | 285.00      |
|                 | (b) 110 mm  | Each                                | 407.00      |
|                 | xxx) Cleaning Pipe                                  |                                     |             |
|                 | (a) 75 mm   | Each                                | 93.00       |
|                 | (b) 110 mm  | Each                                | 182.00      |
|                 | (c) 160 mm  | Each                                | 459.00      |
|                 | xxxi) Plain Floor Trap with Top tile & Strainer     |                                     |             |
|                 | 75 mm   | Each                                | 144.00      |
|                 | xxxii) Plain Floor Trap without Top tile & Strainer |                                     |             |
|                 | 75 mm   | Each                                | 144.00      |
|                 | xxxiii) Multi Floor Trap with Top tile & Strainer   |                                     |             |
|                 | 75 mm   | Each                                | 171.00      |
|                 | xxxiv) Multi Floor Trap without Top tile & Strainer |                                     |             |
|                 | 75 mm   | Each                                | 175.00      |
|                 | xxxv) Socket Plug                                   |                                     |             |
|                 | 75 mm   | Each                                | 42.00       |
|                 | 110 mm  | Each                                | 54.00       |
|                 | xxxvi) Reducing Door Tee 160 X 110 mm               |                                     |             |
|                 | 75 mm   | Each                                | 396.00      |

**SECTION (B) - SANITARY AND DRAINAGE WORKS**  
**(B)-(II) SOIL PIPE AND FITTINGS**

| <i>Item No.</i> | <i>Description of Item</i>                     | <i>All Districts of West Bengal</i> |             |
|-----------------|--|-------------------------------------|-------------|
|                 |  | <i>Unit</i>                         | <i>(Rs)</i> |
|                 | xxxvii) Reducing Door Tee 160 X 75 mm<br>75 mm | Each                                | 159.00      |
|                 | xxxviii) Reducing Tee 160 X 75 mm<br>75 mm     | Each                                | 364.00      |
|                 | xxxix) Reducing Y 110 X 75 mm<br>75 mm         | Each                                | 145.00      |
|                 | xI) Branch Saddle 110 X 75 mm<br>75 mm         | Each                                | 80.00       |
|                 | xIi) Branch Saddle 110 X 50 mm<br>75 mm        | Each                                | 75.00       |
|                 | xIii) Branch Saddle 110 X 40 mm<br>75 mm       | Each                                | 66.00       |
|                 | xIiii) Branch Saddle 75 X 50 mm<br>75 mm       | Each                                | 19.00       |
|                 | xIiv) Branch Saddle 75 X 40 mm<br>75 mm        | Each                                | 19.00       |
|                 | xIv) Round Jali<br>75 mm                       | Each                                | 24.00       |
|                 | xIvi) Door Cap<br>(a) 75 mm                    | Each                                | 37.00       |
|                 | (b) 110 mm                                     | Each                                | 51.00       |
|                 | xIvii) W.C. Ring<br>110 mm                     | Each                                | 124.00      |
|                 | xIviii) Lip Ring<br>110 mm                     | Each                                | 61.00       |
|                 | xIix) Door Gasket<br>(a) 75 mm                 | Each                                | 6.00        |
|                 | (b) 110 mm                                     | Each                                | 8.00        |
|                 | L) Rubber Ring<br><br>(a) 75 mm                | Each                                | 14.00       |
|                 | (b) 110 mm                                     | Each                                | 17.00       |
|                 | ( c ) 160 mm                                   | Each                                | 30.00       |
|                 | Li) Nahani Trap<br>90 mm                       | Each                                | 105.00      |

**SECTION (B) - SANITARY AND DRAINAGE WORKS**  
**(B)-(II) SOIL PIPE AND FITTINGS**

| Item No. | Description of Item  | All Districts of West Bengal |         |
|----------|--|------------------------------|---------|
|          |  | Unit                         | (Rs)    |
| C)       | Rubber Lubricant 500 ML  | 500 ML                       | 187.00  |
| D)       | Solvent Cement 250 ML  | 250 ML                       | 103.00  |
| 24       | Labour for fitting and fixing U.P.V.C. pipes for above ground work including cost of jointing materials etc. fitting and fixing all necessary specials, cutting pipes, cutting holes in walls or R.C. floor where necessary and mending good all damages excluding the cost of masonry or concrete work, if necessary, but including the cost and fitting and fixing holder bat clamps (any floor) or for underground work including cutting trenches upto 1.5 metre and refilling the same complete as per direction of the Engineer-in-charge. (Payment will be made on centre line measurement of the total pipeline including specials.                          |                              |         |
|          | (A) Above ground   |                              |         |
|          | (i) 75 mm dia.   | metre                        | 45.00   |
|          | (ii) 110 mm dia.   | metre                        | 57.00   |
|          | (iii) 160 mm dia.  | metre                        | 66.00   |
|          | (B) Under ground   |                              |         |
|          | (i) 75 mm dia.   | metre                        | 73.00   |
|          | (ii) 110 mm dia.   | metre                        | 84.00   |
|          | (iii) 160 mm dia.  | metre                        | 93.00   |
| 25       | Supplying, fitting & fixing <b>Centrifugally Cast (spun) iron</b> soil,waste water and rain water ( <b>Hubble</b> ) pipe epoxy coated inside & outside conforming to I.S. 15905 / 2011 with bobbins, nails etc. including making holes in the wall, floor etc. and cutting trenches etc. in any floor through masonry concrete, if necessary, and mending good damages with necessary jointing materials and painting two coats to the exposed surface with approved paint complete. (Measurement will be made along the center line of the total pipe line in fitted condition including specials,payment for specials & Painting will however be paid seperately). |                              |         |
|          | (i) 150 mm dia. (internal)   | metre                        | 1425.00 |
|          | (ii) 100 mm dia. (internal)  | metre                        | 852.00  |
|          | (iii) 75 mm dia. (internal)  | metre                        | 699.00  |
|          | (iv) 50 mm dia. (internal)   | metre                        | 597.00  |
| 26       | Supplying, fitting & fixing Centrifugally Cast (spun) iron (Hubble) double branch equal without door conforming to I.S. 15905 / 2011 including all joining materials but excluding coupling.   |                              |         |
|          | (i) 150 mm dia..-Y 45 D  | Nos.                         | 1565.00 |
|          | (ii)a. 100 mm dia..-Y 45 D   | Nos.                         | 722.00  |
|          | (ii)b. 100 mm dia.- Y 88 D   | Nos.                         | 595.00  |

**SECTION (B) - SANITARY AND DRAINAGE WORKS**  
**(B)-(II) SOIL PIPE AND FITTINGS**

| Item No. | Description of Item  | All Districts of West Bengal |        |
|----------|--|------------------------------|--------|
|          |  | Unit                         | (Rs)   |
| 27       | (iii)a. 75 mm dia..-Y 45 D   | Nos.                         | 391.00 |
|          | (iii)b. 75 mm dia.- Y 88 D   | Nos.                         | 329.00 |
|          | Supplying, fitting & fixing <b>Centrifugally Cast (spun) iron (Hubless) bend</b> with door conforming to I.S. 15905 / 2011 including all joining materials but excluding coupling.   |                              |        |
| 28       | (i) 100 mm dia.  | Nos.                         | 430.00 |
|          | (ii) 75 mm dia.  | Nos.                         | 268.00 |
|          | Supplying, fitting & fixing <b>Centrifugally Cast (spun) iron (Hubless) bend</b> without door conforming to I.S. 15905 / 2011 including all joining materials but excluding coupling.  |                              |        |
|          | (i)a . 150 mm dia.- 88 degree  | Nos.                         | 595.00 |
|          | (i)b . 150 mm dia.- 45 degree  | Nos.                         | 438.00 |
|          | (ii)a . 100 mm dia..- 88 degree  | Nos.                         | 282.00 |
|          | (ii)b . 100 mm dia.- 45 degree   | Nos.                         | 219.00 |
|          | (iii)a . 75 mm dia..- 88 degree  | Nos.                         | 198.00 |
|          | (iii)b . 75 mm dia.- 45 degree   | Nos.                         | 145.00 |
|          | (iv)a . 50 mm dia..- 88 degree   | Nos.                         | 105.00 |
|          | (iv)b . 50 mm dia.- 45 degree  | Nos.                         | 98.00  |
| 29       | Supplying, fitting & fixing <b>Centrifugally Cast (spun) iron (Hubless) offset</b> conforming to I.S. 15905 / 2011 including all joining materials but excluding coupling.   |                              |        |
|          | <b>(A) Offset (65 mm projection)</b>   |                              |        |
|          | (i) 150 mm dia.  | Nos.                         | 700.00 |
|          | (ii) 100 mm dia.   | Nos.                         | 428.00 |
|          | (iii) 75 mm dia.   | Nos.                         | 350.00 |
|          | (iv) 50 mm dia.  | Nos.                         | 133.00 |
|          | <b>(B) Offset (130 mm projection)</b>  |                              |        |
|          | (i) 100 mm dia.  | Nos.                         | 494.00 |
|          | (ii) 75 mm dia.  | Nos.                         | 353.00 |
|          | (iii) 50 mm dia.   | Nos.                         | 182.00 |
| 30       | Supplying, fitting & fixing <b>Centrifugally Cast (spun) iron vent cowl</b> conforming to I.S. 15905 / 2011 including all joining materials but excluding coupling.  |                              |        |
|          | (i) 150 mm dia.  | Nos.                         | 673.00 |
|          | (ii) 100 mm dia.   | Nos.                         | 311.00 |
|          | (iii) 75 mm dia.   | Nos.                         | 238.00 |
| 31       | Supplying,fitting and fixing <b>Centrifugally Cast (spun) iron (Hubless) 'P' trap</b> conforming to I.S. 15905 / 2011 including all joining materials but excluding coupling and painting two coats to the exposed surface. (Coupling & Painting to be paid seperately). |                              |        |
|          | (i) 50 mm  | Nos.                         | 227.00 |
|          | (ii) 75 mm   | Nos.                         | 460.00 |
|          | (iii) 100 mm   | Nos.                         | 631.00 |

**SECTION (B) - SANITARY AND DRAINAGE WORKS**  
**(B)-(II) SOIL PIPE AND FITTINGS**

| Item No. | Description of Item  | All Districts of West Bengal |         |
|----------|--|------------------------------|---------|
|          |  | Unit                         | (Rs)    |
| 32       | (iv) 150 mm<br>Supplying,fitting and fixing <b>Centrifugally Cast (spun) iron (Hubless) composite 88 degree 'T -Y'</b> single branch conforming to I.S. 15905 / 2011 including all joining materials but excluding coupling. (Coupling to be paid seperately). | Nos.                         | 1245.00 |
| 33       | (i) 50 mm  | Nos.                         | 229.00  |
|          | (ii) 75 mm   | Nos.                         | 457.00  |
|          | (iii) 100 mm   | Nos.                         | 635.00  |
|          | (iv) 150 mm  | Nos.                         | 1541.00 |
|          | Supplying,fitting and fixing shielded stainless steel (Grade:304) coupling with EPDM rubber gasket of appropriate size conforming to I.S. 15905 / 2011 complete as per satisfaction of Engineer-in-Charge.   |                              |         |
|          | (i) 50 mm  | Nos.                         | 264.00  |
|          | (ii) 75 mm   | Nos.                         | 283.00  |
|          | (iii) 100 mm   | Nos.                         | 310.00  |
|          | (iv) 150 mm  | Nos.                         | 441.00  |
|          | <b>(b) Repair Works</b>  |                              |         |
| 1        | Dismantling H.C.I. pipe with fittings including melting lead caulked joints.   |                              |         |
| 2        | (i) 50 mm  | metre                        | 50.00   |
|          | (ii) 75 mm   | metre                        | 57.00   |
|          | (iii) 100 mm   | metre                        | 64.00   |
|          | (iv) 150 mm  | metre                        | 71.00   |
|          | Refixing H.C.I. pipe with fittings including lead caulked joints (with the old molten lead).   |                              |         |
|          | (i) 50 mm  | metre                        | 36.00   |
|          | (ii) 75 mm   | metre                        | 54.00   |
|          | (iii) 100 mm   | metre                        | 71.00   |
|          | (iv) 150 mm  | metre                        | 89.00   |
|          | Melting out lead caulked joint.  |                              |         |
| 3        | (i) 50 mm  | metre                        | 15.00   |
|          | (ii) 75 mm   | metre                        | 22.00   |
|          | (iii) 100 mm   | metre                        | 26.00   |
|          | (iv) 150 mm  | metre                        | 36.00   |
| 4        | Renewing lead caulked joints for H.C.I. pipe with new gaskets.   |                              |         |
|          | (i) 150 mm (2.07 kg of lead)   | each                         | 408.00  |
|          | (ii) 100 mm (1.25 kg of lead)  | each                         | 261.00  |
|          | (iii) 75 mm (0.87 kg of lead)  | each                         | 182.00  |



**SECTION (B) - SANITARY AND DRAINAGE WORKS**  
**(B)-(II) SOIL PIPE AND FITTINGS**

| Item No. | Description of Item   | All Districts of West Bengal |        |
|----------|---|------------------------------|--------|
|          |   | Unit                         | (Rs)   |
|          | (iv) 50 mm (0.56 kg of lead)  | each                         | 127.00 |
| 5        | Renewing cast iron inspection door with bolts and nuts complete for fittings of 50 mm dia. to 150 mm dia. H.C.I. pipe.  | each                         | 86.00  |
| 6        | Dismantling door of H.C.I. bend or junction and taking out broken nuts by drilling and refixing the same with new nuts including putty joints complete.                                       | each                         | 29.00  |
| 7        | Cutting out patent stone / mosaic floor for embedding pipe and mending good all damages including concreting (4:2:1) and bringing the floor to original nature.                               | metre                        | 96.00  |
| 8        | Renewing door of H.C.I. bend or junction with new bolts and nuts including taking out.  | set                          | 84.00  |
| 9        | Dismantling yard gully with gratings.   |                              |        |
|          | (i) 100 mm  | each                         | 35.00  |
|          | (ii) 150 mm   | each                         | 35.00  |
|          | (iii) 225 mm  | each                         | 53.00  |
|          | (iv) 300 mm   | each                         | 53.00  |
| 10       | Refixing yard gully including necessary cement brick work (4:1) and 13 mm thick cement plaster (2:1) etc. complete including mending good all damages. (Cement work will be paid seperately). |                              |        |
|          | (i) 100 mm  | each                         | 21.00  |
|          | (ii) 150 mm   | each                         | 21.00  |
|          | (iii) 225 mm  | each                         | 35.00  |
|          | (iv) 300 mm   | each                         | 35.00  |
| 11       | Removing chokage of yard gully.   | each                         | 25.00  |
| 12       | Removing chokage of H.C.I. or S.W. pipe with split bamboo.  |                              |        |
|          | (a) Underground   | metre                        | 11.00  |
|          | (b) Over ground   | metre                        | 9.00   |

**SECTION (B) - SANITARY AND DRAINAGE WORKS**  
**(B)-(II) SOIL PIPE AND FITTINGS**

| <i>Item No.</i> | <i>Description of Item</i>  | <i>All Districts of West Bengal</i> |             |
|-----------------|---|-------------------------------------|-------------|
|                 |   | <i>Unit</i>                         | <i>(Rs)</i> |
| 13              | Scraping the hard scum of 'S' trap carefully to render the flushing flow easy after soaking with strong acid through W.C. pan on floor and also cleaning through flanged junction door underneath the ceiling including necessary scaffolding and resetting the flanged door watertight by putty joints by methor labour. | each                                | 87.00       |

**SECTION (B) - SANITARY AND DRAINAGE WORKS**  
**(B)-(III) WATER CLOSETS AND URINALS**

| Item No. | Description of Item   | All Districts of West Bengal |         |
|----------|---|------------------------------|---------|
|          |   | Unit                         | (Rs)    |
|          | <b>(a) Original Works</b>   |                              |         |
| 1        | Supplying, fitting and fixing Shallow water closet Indian pattern (I.P.W.C.) of approved make in white vitreous chinaware in position (excluding cost of concrete for fixing).  |                              |         |
|          | (i) 580 mm long   | each                         | 973.00  |
|          | (ii) 510 mm long  | each                         | 900.00  |
|          | (iii) 450 mm long   | each                         | 872.00  |
| 2        | Supplying, fitting and fixing E.W.C. in white glazed vitreous chinaware of approved make complete in position with necessary bolts, nuts etc.   |                              |         |
|          | (a) With 'P' trap   | each                         | 1421.00 |
|          | (b) With 'S' trap   | each                         | 1512.00 |
| 3        | Supplying, fitting and fixing Anglo-Indian W.C. in white glazed vitreous china ware of approved make complete in position with necessary bolts, nuts etc.   |                              |         |
|          | (a) With 'P' trap (with vent)   | each                         | 3104.00 |
|          | (b) With 'S' trap (with vent)   | each                         | 3287.00 |
|          | N.B. For W.C. with trap without vent the rate will be reduced by Rs.25.00   |                              |         |
| 4        | Supplying, fitting and fixing Orissa pattern water closet in white glazed vitreous chinaware of approved make in position complete excluding 'P' or 'S' trap (excluding cost of concrete for fixing).   |                              |         |
|          | (i) 580 mm X 440 mm   | each                         | 1613.00 |
|          | (ii) 530 mm X 410 mm  | each                         | 1522.00 |
| 5        | Suppling, fitting and fixing Wall mounted water closet of white glazed vitreous chinaware of approved make and brand in position complete with necessary nut and boalts (Equivalent to Code No. 20061 or 92065 & Model Studio or Rubbic of Hindware or equivalent.) | each                         | 3988.00 |
|          | <b>(This item to be executed on specific permission of Superintending Engineer)</b>   |                              |         |

**SECTION (B) - SANITARY AND DRAINAGE WORKS**  
**(B)-(III) WATER CLOSETS AND URINALS**

| Item No. | Description of Item   | All Districts of West Bengal |         |
|----------|---|------------------------------|---------|
|          |   | Unit                         | (Rs)    |
| 6        | Supplying, fitting and fixing Flat back urinal (half stall urinal) in white vitreous chinaware of approved make in position with brass screws on 75 mm X 75 mm X 75 mm wooden blocks complete.                        |                              |         |
|          | (i) 635 mm X 395 mm X 420 mm  | each                         | 2869.00 |
|          | (ii) 470 mm X 280 mm X 340 mm   | each                         | 945.00  |
|          | (iii) Corner urinal 440 mm X 345 mm X 250 mm  | each                         | 1167.00 |
| 7        | Supplying, fitting and fixing Squating plate with integral flushing in white vitreous chinaware of approved make in cement concrete (6:3:1) with jhama chips complete. (Payment of concrete will be paid seperately). |                              |         |
|          | (i) 450 mm X 350 mm   | each                         | 881.00  |
| 8        | Supplying, fitting and fixing Half round channel with or without outlet as required set in cement concrete (6:3:1) with jhama chips complete. (Payment of concrete will be paid seperately).                          |                              |         |
|          | (i) 600 mm X 100 mm   |                              |         |
|          | (a) Salt glazed stone ware  | metre                        | 124.00  |
|          | (b) White vitreous chinaware  | metre                        | 466.00  |
|          | (ii) 600 mm X 150 mm  |                              |         |
|          | (a) Salt glazed stone ware  | metre                        | 138.00  |
|          | (b) White vitreous chinaware  | metre                        | 579.00  |
|          | (A) Extra for item 8(i)(b) & 8(ii)(b)   |                              |         |
|          | (i) Channel with outlet, stop end   | metre                        | 37.00   |
|          | (ii) Channel with 'L' or 'T'  | metre                        | 192.00  |
| 9        | Supplying, fitting and fixing Foot rest for water closet of size 275 mm X 125 mm with   |                              |         |
|          | (a) Artificial stone (4:2:1) with 6 mm stone chips and chequered including adding colour as necessary.  | Each Pair                    | 58.00   |

**SECTION (B) - SANITARY AND DRAINAGE WORKS**  
**(B)-(III) WATER CLOSETS AND URINALS**

| Item No. | Description of Item  | All Districts of West Bengal |         |
|----------|--|------------------------------|---------|
|          |  | Unit                         | (Rs)    |
| 10       | (b) Porcelain of approved make.  | Each Pair                    | 214.00  |
|          | Supplying, fitting and fixing Closet seat of approved make with lid and C.P. hinges, rubber buffer and brass screws complete.  |                              |         |
|          | (a) E.W.C.   |                              |         |
|          | (i) Plastic (hallow type) black  | each                         | 302.00  |
|          | (ii) Plastic (hallow type) white   | each                         | 380.00  |
|          | (iii) Bestolite (solid type) black   | each                         | 535.00  |
|          | (iv) Bestolite (solid type) white  | each                         | 715.00  |
|          | (b) Anglo Indian   |                              |         |
|          | (i) Plastic (hallow type) black  | each                         | 371.00  |
|          | (ii) Plastic (hallow type) white   | each                         | 485.00  |
| 11       | Supplying, fitting and fixing 32 mm dia. Flush Pipe of approved make with necessary fixing materials and clamps complete.  |                              |         |
|          | i) Polythene Flush Pipe  | each                         | 155.00  |
|          | ii) C. P. Flush Pipe   | each                         | 295.00  |
| 12       | Supplying, fitting and fixing urinal flush pipe fittings of approved brand.  |                              |         |
|          | (a) C.P. urinal flush pipe fittings range of one   | each                         | 414.00  |
|          | (b) C.P. urinal flush pipe fittings range of two   | each                         | 917.00  |
|          | (c) C.P. urinal flush pipe fittings range of three   | each                         | 1248.00 |
| 13       | Supplying, fitting and fixing 18 mm thick marble partition slab with chawk doongri marbel square cut, both sides polished with two front corners rounded and edges polished. | sq. m.                       | 1426.00 |
| 14       | Supplying, fitting and fixing porcelain partition wall of approved make of size 618 mm X 310 mm complete in all respect.   | each                         | 1132.00 |
| 15       | Supplying, fitting and fixing bevelled edged mirror 5.5 mm thick silver red as per I.S. 3438 / 1965 together with brass C.P. hinges.   |                              |         |
|          | (i) 450 mm X 300 mm  | each                         | 367.00  |
|          | (ii) 600 mm X 450 mm   | each                         | 484.00  |
| 16       | Supplying, fitting and fixing glass shelf with aluminium guard rails.  |                              |         |
|          | (a) Ordinary type with 5.5 mm sheet glass  |                              |         |

**SECTION (B) - SANITARY AND DRAINAGE WORKS**  
**(B)-(III) WATER CLOSETS AND URINALS**

| Item No. | Description of Item   | All Districts of West Bengal |        |
|----------|---|------------------------------|--------|
|          |   | Unit                         | (Rs)   |
| 17       | (i) 450 mm X 125 mm   | each                         | 341.00 |
|          | (ii) 600 mm X 125 mm  | each                         | 480.00 |
|          | Supplying, fitting and fixing liquid soap container.  |                              |        |
|          | (a) Cromium plated.   | each                         | 393.00 |
|          | (b) PTMT(Prayag or equivalent)  | each                         | 210.00 |
|          | (c) Fibre glass   | each                         | 188.00 |
| 18       | (d) Polythene   | each                         | 98.00  |
|          | Supplying, fitting and fixing soap holder.  |                              |        |
|          | (a) PTMT (Prayag or equivalent)   | each                         | 135.00 |
|          | (b) Fibre glass   | each                         | 58.00  |
| 19       | (c) Polythene   | each                         | 50.00  |
|          | Supplying, fitting and fixing best quality Indian make mirror 5.5 mm thick with silvering as per I.S.I. specifications supported on fibre glass frame of any colour, frame size 550 mm X 400 mm | each                         | 613.00 |
| 20       | Supplying, fitting and fixing Tooth brush and Tumbler holder of approved make of size 140 mm X 65 mm (porcelain).   | each                         | 361.00 |
| 21       | Supplying, fitting and fixing PTMT Smart Shelf of approved make of size 300 mm.   | each                         | 223.00 |
| 22       | Supplying, fitting and fixing towel rail with two brackets.   |                              |        |
|          | (a) C.P. over brass   |                              |        |
|          | (i) 25 mm dia. and 450 mm long  | each                         | 384.00 |
|          | (ii) 25 mm dia. and 600 mm long   | each                         | 430.00 |
|          | (iii) 25 mm dia. and 750 mm long  | each                         | 475.00 |
|          | (b) Aluminium   |                              |        |
|          | (i) 25 mm dia. and 450 mm long  | each                         | 142.00 |
|          | (ii) 25 mm dia. and 600 mm long   | each                         | 164.00 |
|          | (iii) 25 mm dia. and 750 mm long  | each                         | 187.00 |

**SECTION (B) - SANITARY AND DRAINAGE WORKS**  
**(B)-(III) WATER CLOSETS AND URINALS**

| Item No. | Description of Item   | All Districts of West Bengal |          |
|----------|---|------------------------------|----------|
|          |   | Unit                         | (Rs)     |
| 23       | Supplying, fitting and fixing porcelain toilet paper holder of approved make with wooden spindle as necessary.  |                              |          |
|          | (i) Roll type size 250 mm X 125 mm  | each                         | 293.00   |
|          | (ii) Box type size 175 mm X 150 mm  | each                         | 338.00   |
|          | (iii) Recess roll type size 150 mm X 150 mm   | each                         | 384.00   |
| 24       | Supplying, fitting and fixing porcelain soap tray of approved make.   |                              |          |
|          | (i) Recessed soap tray of size 150 mm X 150 mm  | each                         | 338.00   |
| 25       | Supplying, fitting and fixing bathroom shelf of approved make of size 580 mm X 150 mm (porcelain).  | each                         | 613.00   |
|          | N.B. For coloured sanitary wares rates will be enhanced over the rates of corresponding items of white glazed sanitary wares as follows:  |                              |          |
|          | (a) Sky blue, Venetian pink, Min. green, Turquoise, Citrus yellow, Champagne, Sapphire - by 50 %  |                              |          |
|          | (b) Roman brown, Fern green, Misty lilac, Orange, Sienna gold, Sepia, Silver grey, Alpine, Cornil, Sorvinto Blue - by 100%  |                              |          |
|          | (c) Burgandy, Emerald green - by 200%   |                              |          |
| 26       | Supplying, fitting & fixing white vitreous china battery based infrared sensor operated urinal of approx. size 610x390x370 mm having pre & post flushing with water (250 ml & 350 ml consumption), having water inlet from back side, including fixing to wall with suitable brackets all as per manufacturers specification and direction of Engineer-in-Charge. (Model: Senso Art of Hindware or similar brand.) [Note: This work should not be executed without specific permission of Superintending Engineer.] |                              |          |
|          | 15 mm normal bore   | each                         | 13215.00 |
| 27       | Suppling, fitting and fixing WALL HUNG TYPE water closet (European type) size - 500x360x350 mm of white glazed vitreous chinaware of approved make and brand in position complete with necessary nut and bolts (MODEL CARAT of CERA or equivalent.)   | each                         | 3560.00  |

**SECTION (B) - SANITARY AND DRAINAGE WORKS**  
**(B)-(III) WATER CLOSETS AND URINALS**

| Item No. | Description of Item  | All Districts of West Bengal |         |
|----------|--|------------------------------|---------|
|          |  | Unit                         | (Rs)    |
| 28       | <i>(This item to be executed on specific permission of Superintending Engineer)</i>  |                              |         |
|          | <b>AMBULANT DISABLED TOILET</b>  |                              |         |
|          | A Supplying, fitting & Fixing EWC (Size- 710x370x810 mm)in white glazed vitreous chinaware of approved make supplying, fitting and fixing in position complete with necessary nut and bolts. (Model Code No. S10221114-P Trap (CRUSE SET) of CERA or equivalent.)      | each                         | 5446.00 |
|          | <i>(This item to be executed on specific permission of Superintending Engineer)</i>  |                              |         |
|          | <b>Fittings of Ambulant Disabled Toilet</b>  |                              |         |
|          | a) Supplying, fitting and fixing 10 litre white glazed vitreous chinaware of approve low-down cistern of approved make with either side or bottom inlet, side overflow, brackets complete with all internal fittings. (Model Code No. S1060106 of CERA or equivalent.) |                              |         |
|          | White  | each                         | 2406.00 |
|          | b) Soft Close seat cover of approved make with lid and C.P. hinges, rubber buffer and brass screws suppling, fitting and fixing complete. E W C (Model Code No. B1520118 of CERA or equivalent.)   |                              |         |
|          | White  | each                         | 1299.00 |
|          | c) Supplying, fitting and fixing Stainless steel Wall Mounted Grab Bar. Load bearing capacity 150 kg, covered by Nylon surface with contour finish (for better grip) with Anti-bacterial surface complete. (Model Code No. B2210106 of CERA or equivalent.)            |                              |         |
|          | 600mm Long   | each                         | 1825.00 |
|          | d) Supplying, fitting and fixing Stainless steel Wall Mounted Hinged hand rail (750X100 mm) covered by Nylon surface with contour finish (for better grip) with two brackets.(Model Code No.B2210108 of CERA or equivalent.)   |                              |         |
|          | 750 mm long  | each                         | 6760.00 |
|          | e) Supplying, fitting and fixing 15 mm Twin Flush Fitting (Model Code No. B1810112 of CERA or equivalent).   | each                         | 1041.00 |



**SECTION (B) - SANITARY AND DRAINAGE WORKS**  
**(B)-(III) WATER CLOSETS AND URINALS**

| Item No. | Description of Item  | All Districts of West Bengal |         |
|----------|--|------------------------------|---------|
|          |  | Unit                         | (Rs)    |
| f)       | Supplying, fitting and fixing 15 mm Spatula Single Lever Basin Mixer (Model Code No. F9030451 of CERA or equivalent).            | each                         | 1973.00 |
|          | <b>(b) Repair Works</b>  |                              |         |
| 1        | Foot rest for Indian pattern water closet.   |                              |         |
|          | (a) Dismantling  | No                           | 18.00   |
|          | (b) Refixing   | No                           | 20.00   |
| 2        | Dismantling Indian W.C. including taking out base concrete as necessary.   | each                         | 45.00   |
| 3        | Refixing Indian W.C. excluding cost of base concrete if necessary complete.  | each                         | 70.00   |
| 4        | Dismantling E.P. or Anglo-Indian W.C.  | each                         | 45.00   |
| 5        | Refixing E.P. or Anglo-Indian W.C.   | each                         | 88.00   |
| 6        | Dismantling Orissa pattern W.C. including taking out of base concrete, if necessary, complete.                                   | each                         | 45.00   |
| 7        | Refixing Orissa pattern W.C. Including cost of base concrete, if necessary, complete. Payment of concrete to be paid separately. | each                         | 88.00   |
| 8        | Dismantling urinal.  | each                         | 33.00   |
| 9        | Refixing urinal.   | each                         | 35.00   |
| 10       | Dismantling flush pipe of water closet.  | each                         | 17.00   |
| 11       | Refixing flush pipe of water closet.   | each                         | 22.00   |
| 12       | Refixing flush pipe/ M.S. bend/ C.P. flush pipe with I.R. adapter.   | each                         | 35.00   |
| 13       | Cleaning I.P.W.C. with acid.   | each                         | 19.00   |
| 14       | Cleaning E.P. or Anglo-Indian W.C. with acid.  | each                         | 27.00   |
| 15       | Cleaning urinal with channel with acid.  | Each Set                     | 20.00   |
| 16       | Cleaning glazed tiles with acid.   | sq. m.                       | 10.00   |

**SECTION (B) - SANITARY AND DRAINAGE WORKS**  
**(B)-(III) WATER CLOSETS AND URINALS**

| <i>Item No.</i> | <i>Description of Item</i>  | <i>All Districts of West Bengal</i> |               |
|-----------------|---|-------------------------------------|---------------|
|                 |   | <i>Unit</i>                         | <i>(Rs)</i>   |
| 17              | <i>Cleaning white glazed channels with acid.</i>                                    | <i>metre</i>                        | <i>10.00</i>  |
| 18              | <i>Cleaning and polishing marble or mosaic partition including removing stains.</i> | <i>sqm</i>                          | <i>10.00</i>  |
| 19              | <i>Dismantling and refixing marble or mosaic partition.</i>                         | <i>each</i>                         | <i>100.00</i> |
| 20              | <i>Removing chokage of water closet.</i>  | <i>each</i>                         | <i>26.00</i>  |
| 21              | <i>Removing chokage of urinal and waste trap.</i>                                   | <i>each</i>                         | <i>26.00</i>  |
| 22              | <i>Repairing C.P. hinges of W.C. seat.</i>  | <i>each</i>                         | <i>82.00</i>  |
| 23              | <i>Repairing W.C. seat with brass plate and screws.</i>                             | <i>set</i>                          | <i>82.00</i>  |
| 24              | <i>Polishing W.C. seat.</i>   | <i>set</i>                          | <i>39.00</i>  |
| 25              | <i>Rectifying leakage of W.C. by new joints by methor mistry.</i>                   | <i>each</i>                         | <i>39.00</i>  |
| 27              | <i>Renewing best quality C.P. hinges for mirror.</i>                                | <i>set</i>                          | <i>82.00</i>  |
| 28              | <i>Renewing rubber buffer with brass screws.</i>                                    | <i>each</i>                         | <i>18.00</i>  |

**SECTION (B) - SANITARY AND DRAINAGE WORKS**  
**(B)-(IV) INSPECTION PIT, SEPTIC TANK, SOAK PIT ETC.**

| Item No. | Description of Item  | Unit | Rate (in Rs.)   |                                      |         |         |                   |                              |                                |         |   |             |       |   |   |  | REMARKS |
|----------|--|------|---|--------------------------------------|---------|---------|-------------------|------------------------------|--------------------------------|---------|---|-------------|-------|---|---|--|---------|
|          |  |      | Kolkata / 24 Pgs<br>(N & S)<br>/Area of Kalyani Sub Div | Purba Bardhaman<br>Paschim Bardhaman | Purulia | Birbhum | Howrah/<br>Hoogly | Purba Medinipur/<br>Jhargram | Paschim Medinipur/<br>Jhargram | Bankura | Nadia<br>excluding area of Kalyani<br>Sub Div | Murshidabad | Malda | Darjeeling except plains of<br>Siliguri Sub Divn. | Jalpaiguri, Alipurdwar,<br>plains of Siliguri Sub Divn.<br>& Area of Haldibari PS | Coochbehar excluding the<br>area of Haldibari PS |         |
| 1        | (a) Original Works   |      |   |                                      |         |         |                   |                              |                                |         |   |             |       |   |   |  |         |
|          | Constructing Inspection pit of inside measurement 600mm X 600mm X upto 600mm (depth) with 250 mm thick 1st. class brick work in cement mortar (1:4) on all sides, bottom of the pit consisting of 100 mm thick cement concrete (1:3:6) with stone chips over a layer of jhama brick flat soling, 15 mm thick (1:4) cement plaster to inside walls and out-side walls upto G.L. and 20 mm.thick (1:4) plaster to bottom of the pit, providing necessary invert with cement concrete (1:3:6) with stone chips as per direction, neat cement finishing to entire internal surfaces, top of the pit covered with 100 mm thick R.C.C. slab (1:1.5:3) with stone chips and necessary reinforcements upto 1% and shuttering including 6 mm thick cement plaster (1:4) in all external surfaces of the slab and one 560 mm dia. R.C.C. manhole cover of approved make supplied, fitted and fixed in the slab with necessary fittings, necessary earthwork in excavation in all sorts of soil, filling sides of the pit with earth and removing spoils after work complete in all respect with all costs of labour and materials. | Each | 7303  | 6738                                 | 6360    | 6207    | 7080              | 6987                         | 7077                           | 6538    | 6888  | 6882        | 6691  | -   | -   | -  | -       |
|          | i) With Pakur variety. (SAIL/TATA/RINL)  | Each | -   | -                                    | -       | -       | -                 | -                            | -                              | -       | -   | -           | -     | 7930  | 6476  | 6497   | 6655    |
|          | ii) With Bazree (N.B Variety) (SAIL/TATA/RINL)   | Each | 7149  | 6584                                 | 6206    | 6054    | 6926              | 6834                         | 6923                           | 6384    | 6734  | 6728        | 6533  | -   | -   | -  | -       |
|          | i) With Pakur variety (Other than SAIL/TATA/RINL).   | Each | -   | -                                    | -       | -       | -                 | -                            | -                              | -       | -   | -           | -     | 7771  | 6318  | 6339   | 6497    |
|          | ii) With Bazree (N.B Variety) (Other than SAIL/TATA/RINL)  | Each | 1515  | 1092                                 | 986     | 986     | 1342              | 1238                         | 1134                           | 1020    | 1299  | 1264        | 1234  | 1873  | 1199  | 1199   | 1303    |
| 2        | Constructing Inspection pit to a depth of 1.5 metre (inside), 250 mm thick 1st class brick work (1:4) in all sides over a layer of jhama brick soling and 150 mm thick cement concrete with stone chips (1:3:6) including necessary earth work, fitting and fixing approved type S.W. master trap, constructing masonry invert with cement concrete (1:1.5:3) with stone chips, plastering inside and outside (outside upto 300 mm below G.L.) with 20 mm thick cement plastering (1:4) and neat cement punning, including supplying,fitting and fixing one 560 mm. dia R.C.C. manhole cover of approved make with R.C.C. slab of 100 mm thick with cement concrete (1:1.5:3) with stone chips including necessary reinforcement (upto 1%) and shuttering and necessary corbelling brick work (1:4) so that the R.C.C. cover slab rests 150 mm above adjucent G.L., cement plaster (1:4) 10 mm thick on all external surfaces of the top slab as directed complete in all respect and removal of surplus earth with all costs of labour and materials (excluding the cost of master trap only).                          |      |   |                                      |         |         |                   |                              |                                |         |   |             |       |   |   |  |         |
|          | (i) 900 mm X 750 mm (inside) chamber including fitting and fixing S.W. master trap of 150 mm dia. of approved make   |      |   |                                      |         |         |                   |                              |                                |         |   |             |       |   |   |  |         |
|          | A) With Pakur variety. (SAIL/TATA/RINL)  | Each | 11859   | 11043                                | 10543   | 10279   | 11515             | 11361                        | 11531                          | 10770   | 11250   | 11247       | 10905 | -   | -   | -  | -       |
|          | B) With Bazree (N.B Varity) (SAIL/TATA/RINL)   | Each | -   | -                                    | -       | -       | -                 | -                            | -                              | -       | -   | -           | -     | 12271   | 10391   | 10412  | 10609   |
|          | A) With Pakur variety. (Other than SAIL/TATA/RINL)   | Each | 11822   | 11006                                | 10506   | 10242   | 11478             | 11324                        | 11494                          | 10733   | 11213   | 11210       | 10866 | -   | -   | -  | -       |
|          | B) With Bazree (N.B Varity) (Other than SAIL/TATA/RINL)  | Each | -   | -                                    | -       | -       | -                 | -                            | -                              | -       | -   | -           | -     | 12232   | 10352   | 10373  | 10570   |
|          | (ii) 900 mm X 750 mm (inside) chamber including fitting and fixing S.W. master trap of 100 mm dia. of approved make  |      |   |                                      |         |         |                   |                              |                                |         |   |             |       |   |   |  |         |
|          | A) With Pakur variety. (SAIL/TATA/RINL)  | Each | 11325   | 10509                                | 10009   | 9746    | 10982             | 10827                        | 10997                          | 10236   | 10716   | 10713       | 10371 | -   | -   | -  | -       |

**SECTION (B) - SANITARY AND DRAINAGE WORKS**  
**(B)-(IV) INSPECTION PIT, SEPTIC TANK, SOAK PIT ETC.**

| Item No. | Description of Item   | Unit              | Rate (in Rs.)   |                                      |         |         |                   |                              |                                |         |   |             |       |   |   |  |                                  | REMARKS |
|----------|---|-------------------|---|--------------------------------------|---------|---------|-------------------|------------------------------|--------------------------------|---------|---|-------------|-------|---|---|--|----------------------------------|---------|
|          |   |                   | Kolkata / 24 Pgs<br>(N & S)<br>/Area of Kalyani Sub Div | Purba Bardhaman<br>Paschim Bardhaman | Purulia | Birbhum | Howrah/<br>Hoogly | Purba Medinipur/<br>Jhargram | Paschim Medinipur/<br>Jhargram | Bankura | Nadia<br>excluding area of Kalyani<br>Sub Div | Murshidabad | Malda | Darjeeling except plains of<br>Siliguri Sub Divn. | Jalpaiguri, Alipurdwar,<br>plains of Siliguri Sub Divn.<br>& Area of Haldibari PS | Coochbehar excluding the<br>area of Haldibari PS | Uttar/<br>Dakshin Dinajpur Dist. |         |
|          | B) With Bazree (N.B Variety) (SAIL/TATA/RINL)   | Each              | -   | -                                    | -       | -       | -                 | -                            | -                              | -       | -   | -           | -     | 11640   | 9760  | 9782   | 9978                             |         |
|          | A) With Pakur variety. (Other than SAIL/TATA/RINL)  | Each              | 11288   | 10472                                | 9972    | 9709    | 10945             | 10790                        | 10960                          | 10199   | 10679   | 10676       | 10332 | -   | -   | -  | -                                |         |
|          | B) With Bazree (N.B Variety) (Other than SAIL/TATA/RINL)  | Each              | -   | -                                    | -       | -       | -                 | -                            | -                              | -       | -   | -           | -     | 11601   | 9722  | 9743   | 9940                             |         |
|          | (iii) 1050 mm X 750 mm (inside) chamber including fitting and fixing S.W. master trap of 225 mm dia. of approved make   |                   |   |                                      |         |         |                   |                              |                                |         |   |             |       |   |   |  |                                  |         |
|          | A) With Pakur variety. (SAIL/TATA/RINL)   | Each              | 12131   | 11237                                | 10698   | 10391   | 11744             | 11575                        | 11781                          | 10944   | 11462   | 11463       | 11061 | -   | -   | -  | -                                |         |
|          | B) With Bazree (N.B Variety) (SAIL/TATA/RINL)   | Each              | -   | -                                    | -       | -       | -                 | -                            | -                              | -       | -   | -           | -     | 12938   | 10639   | 10681  | 10961                            |         |
|          | A) With Pakur variety. (Other than SAIL/TATA/RINL)  | Each              | 12092   | 11197                                | 10659   | 10351   | 11705             | 11535                        | 11742                          | 10905   | 11423   | 11424       | 11020 | -   | -   | -  | -                                |         |
|          | B) With Bazree (N.B Variety) (Other than SAIL/TATA/RINL)  | Each              | -   | -                                    | -       | -       | -                 | -                            | -                              | -       | -   | -           | -     | 12896   | 10598   | 10640  | 10920                            |         |
|          | (iv) 1050 mm X 750 mm (inside) chamber including fitting and fixing S.W. master trap of 300 mm dia. of approved make  |                   |   |                                      |         |         |                   |                              |                                |         |   |             |       |   |   |  |                                  |         |
|          | A) With Pakur variety. (SAIL/TATA/RINL)   | Each              | 12665   | 11770                                | 11232   | 10924   | 12278             | 12108                        | 12315                          | 11478   | 11996   | 11997       | 11595 | -   | -   | -  | -                                |         |
|          | B) With Bazree (N.B Variety) (SAIL/TATA/RINL)   | Each              | -   | -                                    | -       | -       | -                 | -                            | -                              | -       | -   | -           | -     | 13471   | 11173   | 11215  | 11495                            |         |
|          | A) With Pakur variety. (Other than SAIL/TATA/RINL)  | Each              | 12626   | 11731                                | 11193   | 10885   | 12239             | 12069                        | 12276                          | 11439   | 11957   | 11958       | 11553 | -   | -   | -  | -                                |         |
|          | B) With Bazree (N.B Variety) (Other than SAIL/TATA/RINL)  | Each              | -   | -                                    | -       | -       | -                 | -                            | -                              | -       | -   | -           | -     | 13430   | 11131   | 11174  | 11454                            |         |
|          | (v) Extra for additional depth beyond 1.5 metre.  |                   |   |                                      |         |         |                   |                              |                                |         |   |             |       |   |   |  |                                  |         |
|          | (a) For (i) and (ii)  | Per Mtr.          | 3400  | 3113                                 | 2806    | 2806    | 3350              | 3320                         | 3290                           | 2949    | 3172  | 3162        | 3163  | 3954  | 3153  | 3153   | 3183                             |         |
|          | (b) For (iii) and (iv)  | Per Mtr.<br>Depth | 3590  | 3282                                 | 2953    | 2953    | 3536              | 3504                         | 3472                           | 3106    | 3346  | 3335        | 3336  | 4185  | 3325  | 3325   | 3358                             |         |
| 3        | Construction of septic tank of different capacities as per approved drawing with 1st class brick work in cement mortar (1:4) including two 560 mm dia. R.C.C. manhole cover (heavy type) of approved make supplied, fitted and fixed in the 100mm thick R.C.C (1:1.5:3) top slab with necessary fittings, 20mm thick cement plaster (4 : 1) with neat cement finish to the internal surfaces and 15 mm thick cement plaster (4 : 1) to outside wall upto 200 mm below G.L floor finished with 25 mm thick grey artificial stone over 100 mm thick R.C.C(1:1.5:3) bottom slab including supplying, fitting and fixing all necessary specials, fittings, S.W. tees, C.I. foot rest etc. including excavation earth in all sorts of soil, shoring, bailing out and pumping out water as necessary, ramming, dressing the bed and refilling the sides of the tanks with earth, removing spoils, filling up the chamber with clear water, removing foreign materials from the chamber and including constructing attached inspection pit as per approved drawing and connecting all necessary pipes, joints etc. with internal plaster work and artificial stone flooring is to be done with admixture of water proofing compound @ 0.5% by weight of cement with all costs of labour and materials. <b>Note:- (i) Finished level of Septic Tank should be 400 mm. from Ground Level. (ii) Height of 50 mm. Ventilation pipe &amp; Mosquito proof mesh, should be followed as per IS:2470, Part-I. Payment will be made separately on the basis of actual height based on relevant I.S.Code.</b> |                   |   |                                      |         |         |                   |                              |                                |         |   |             |       |   |   |  |                                  |         |
|          | (i) For 10 users  |                   |   |                                      |         |         |                   |                              |                                |         |   |             |       |   |   |  |                                  |         |
|          | A) With Pakur variety. (SAIL/TATA/RINL)   | Each              | 35745   | 33598                                | 31967   | 31409   | 34981             | 34634                        | 34971                          | 32721   | 34083   | 34076       | 33521 | -   | -   | -  | -                                |         |
|          | B) With Bazree (N.B Variety) (SAIL/TATA/RINL)   | Each              | -   | -                                    | -       | -       | -                 | -                            | -                              | -       | -   | -           | -     | 38514   | 32743   | 32820  | 33365                            |         |
|          | A) With Pakur variety. (Other than SAIL/TATA/RINL)  | Each              | 35545   | 33398                                | 31767   | 31209   | 34781             | 34435                        | 34771                          | 32521   | 33883   | 33876       | 33311 | -   | -   | -  | -                                |         |
|          | B) With Bazree (N.B Variety) (Other than SAIL/TATA/RINL)  | Each              | -   | -                                    | -       | -       | -                 | -                            | -                              | -       | -   | -           | -     | 38304   | 32533   | 32610  | 33155                            |         |
|          | (ii) For 20 users   |                   |   |                                      |         |         |                   |                              |                                |         |   |             |       |   |   |  |                                  |         |
|          | A) With Pakur variety. (SAIL/TATA/RINL)   | Each              | 47589   | 44711                                | 42471   | 41770   | 46596             | 46142                        | 46545                          | 43507   | 45359   | 45344       | 44653 | -   | -   | -  | -                                |         |
|          | B) With Bazree (N.B Variety) (SAIL/TATA/RINL)   | Each              | -   | -                                    | -       | -       | -                 | -                            | -                              | -       | -   | -           | -     | 51420   | 43669   | 43766  | 44470                            |         |
|          | A) With Pakur variety. (Other than SAIL/TATA/RINL)  | Each              | 47337   | 44458                                | 42219   | 41518   | 46343             | 45889                        | 46293                          | 43255   | 45106   | 45092       | 44388 | -   | -   | -  | -                                |         |
|          | B) With Bazree (N.B Variety) (Other than SAIL/TATA/RINL)  | Each              | -   | -                                    | -       | -       | -                 | -                            | -                              | -       | -   | -           | -     | 51155   | 43404   | 43501  | 44205                            |         |

**SECTION (B) - SANITARY AND DRAINAGE WORKS**  
**(B)-(IV) INSPECTION PIT, SEPTIC TANK, SOAK PIT ETC.**

| Item No. | Description of Item   | Unit | Rate (in Rs.)   |                                      |         |         |                   |                              |                                |         |   |             |        |   |   |  |                                  | REMARKS |
|----------|---|------|---|--------------------------------------|---------|---------|-------------------|------------------------------|--------------------------------|---------|---|-------------|--------|---|---|--|----------------------------------|---------|
|          |   |      | Kolkata / 24 Pgs<br>(N & S)<br>/Area of Kalyani Sub Div | Purba Bardhaman<br>Paschim Bardhaman | Purulia | Birbhum | Howrah/<br>Hoogly | Purba Medinipur/<br>Jhargram | Paschim Medinipur/<br>Jhargram | Bankura | Nadia<br>excluding area of Kalyani<br>Sub Div | Murshidabad | Malda  | Darjeeling except plains of<br>Siliguri Sub Divn. | Jalpaiguri, Alipurdwar,<br>plains of Siliguri Sub Divn.<br>& Area of Haldibari PS | Coochbehar excluding the<br>area of Haldibari PS | Uttar/<br>Dakshin Dinajpur Dist. |         |
|          | <b>(iii) For 30 users</b>   |      |   |                                      |         |         |                   |                              |                                |         |   |             |        |   |   |  |                                  |         |
|          | A) With Pakur variety. (SAIL/TATA/RINL)   | Each | 62210   | 58234                                | 55298   | 54232   | 60756             | 60101                        | 60750                          | 56653   | 59150   | 59131       | 57994  | -   | -   | -  | -                                |         |
|          | B) With Bazree (N.B Varity) (SAIL/TATA/RINL)  | Each | -   | -                                    | -       | -       | -                 | -                            | -                              | -       | -   | -           | -      | 67115   | 56508   | 56655  | 57692                            |         |
|          | A) With Pakur variety. (Other than SAIL/TATA/RINL)  | Each | 61823   | 57847                                | 54911   | 53845   | 60370             | 59714                        | 60364                          | 56267   | 58764   | 58745       | 57588  | -   | -   | -  | -                                |         |
|          | B) With Bazree (N.B Varity) (Other than SAIL/TATA/RINL)   | Each | -   | -                                    | -       | -       | -                 | -                            | -                              | -       | -   | -           | -      | 66709   | 56102   | 56249  | 57286                            |         |
|          | <b>(iv) For 50 users</b>  |      |   |                                      |         |         |                   |                              |                                |         |   |             |        |   |   |  |                                  |         |
|          | A) With Pakur variety. (SAIL/TATA/RINL)   | Each | 89678   | 83846                                | 79680   | 77936   | 87438             | 86452                        | 87599                          | 81607   | 85180   | 85176       | 83307  | -   | -   | -  | -                                |         |
|          | B) With Bazree (N.B Varity) (SAIL/TATA/RINL)  | Each | -   | -                                    | -       | -       | -                 | -                            | -                              | -       | -   | -           | -      | 96304   | 80710   | 80951  | 82565                            |         |
|          | A) With Pakur variety. (Other than SAIL/TATA/RINL)  | Each | 89051   | 83220                                | 79053   | 77309   | 86811             | 85825                        | 86972                          | 80980   | 84553   | 84549       | 82649  | -   | -   | -  | -                                |         |
|          | B) With Bazree (N.B Varity) (Other than SAIL/TATA/RINL)   | Each | -   | -                                    | -       | -       | -                 | -                            | -                              | -       | -   | -           | -      | 95646   | 80052   | 80293  | 81906                            |         |
|          | <b>(v) For 100 users</b>  |      |   |                                      |         |         |                   |                              |                                |         |   |             |        |   |   |  |                                  |         |
|          | A) With Pakur variety. (SAIL/TATA/RINL)   | Each | 113132  | 105840                               | 100876  | 98447   | 110169            | 108891                       | 110585                         | 103174  | 107509  | 107536      | 104924 | -   | -   | -  | -                                |         |
|          | B) With Bazree (N.B Varity) (SAIL/TATA/RINL)  | Each | -   | -                                    | -       | -       | -                 | -                            | -                              | -       | -   | -           | -      | 121082  | 101608  | 101943   | 104097                           |         |
|          | A) With Pakur variety. (Other than SAIL/TATA/RINL)  | Each | 112264  | 104972                               | 100008  | 97578   | 109300            | 108022                       | 109716                         | 102305  | 106641  | 106667      | 104012 | -   | -   | -  | -                                |         |
|          | B) With Bazree (N.B Varity) (Other than SAIL/TATA/RINL)   | Each | -   | -                                    | -       | -       | -                 | -                            | -                              | -       | -   | -           | -      | 120170  | 100696  | 101031   | 103185                           |         |
|          | <b>(vi) For 200 users</b>   |      |   |                                      |         |         |                   |                              |                                |         |   |             |        |   |   |  |                                  |         |
|          | A) With Pakur variety. (SAIL/TATA/RINL)   | Each | 177928  | 165726                               | 157746  | 153251  | 172715            | 170518                       | 173816                         | 161446  | 168488  | 168591      | 163534 | -   | -   | -  | -                                |         |
|          | B) With Bazree (N.B Varity) (SAIL/TATA/RINL)  | Each | -   | -                                    | -       | -       | -                 | -                            | -                              | -       | -   | -           | -      | 186996  | 154310  | 154931   | 158753                           |         |
|          | A) With Pakur variety. (Other than SAIL/TATA/RINL)  | Each | 176328  | 164126                               | 156147  | 151651  | 171116            | 168919                       | 172217                         | 159847  | 166889  | 166992      | 161855 | -   | -   | -  | -                                |         |
|          | B) With Bazree (N.B Varity) (Other than SAIL/TATA/RINL)   | Each | -   | -                                    | -       | -       | -                 | -                            | -                              | -       | -   | -           | -      | 185317  | 152631  | 153252   | 157074                           |         |
| 4        | Construction of circular soak well 2.5 metre deep in all types of sandy soils with dry brick work upto 1.6 metre from the bottom having 150 mm intermediate cement brick work (1:4) band all round and cement brick work (1:4) upto 0.90 metre from top with 20mm thick cement plastering (1:4) to inside face upto the depth of cement brick work, 15mm thick cement plaster (1:4) on outer face from top of the well upto G.L. and 6 mm thick cement plaster (1:4) on top of the R.C.C. cover slab including filling bottom 1.00 metre of inside of the well with brick metal (50 mm to 63 mm size) including R.C.C. cover slab of 100 mm thick with cement conc (1:1.5:3) with stone chips with necessary reinforcement and shuttering including one 560 mm dia. R.C.C. manhole cover (heavy type) of approved make supplied, fitted and fixed in the cover slab with necessary fittings, making necessary arrangements for pipe connections, excavation of well including shoring, dewatering and removing the excess earth from the premises as per direction complete in all respect with all costs of labour and materials.<br>With 250 mm thick dry brick work and 250 mm thick cement brick work (1:6) and 1.00m inside dia. |      |   |                                      |         |         |                   |                              |                                |         |   |             |        |   |   |  |                                  |         |
|          | (SAIL/TATA/RINL)  | Each | 16577   | 15272                                | 13904   | 13828   | 16328             | 16137                        | 16130                          | 14522   | 15484   | 15480       | 15381  | 19073   | 15466   | 15511  | 15574                            |         |
|          | (Other than SAIL/TATA/RINL)   | Each | 16544   | 15238                                | 13870   | 13794   | 16295             | 16104                        | 16097                          | 14488   | 15451   | 15447       | 15346  | 19038   | 15431   | 15476  | 15539                            |         |
| 5        | Open jointed stone ware pipe 100 mm dia. supplied, laid and fitted in position duly encircled all round by 150 mm thick layer jhama metal (38 mm to 50 mm size) including excavation of earth in any soil upto required depth including refilling trench, watering and ramming complete. (Cost of Jhama Metal to be paid seperately).   | Each | 273   | 273                                  | 273     | 273     | 273               | 273                          | 273                            | 273     | 273   | 273         | 273    | 313   | 273   | 273  | 273                              |         |

**SECTION (B) - SANITARY AND DRAINAGE WORKS**  
**(B)-(IV) INSPECTION PIT, SEPTIC TANK, SOAK PIT ETC.**

| Item No. | Description of Item  | Unit | Rate (in Rs.)   |                                      |         |         |                   |                              |                                |         |   |             |       |   |   |  |                                  | REMARKS |
|----------|--|------|---|--------------------------------------|---------|---------|-------------------|------------------------------|--------------------------------|---------|---|-------------|-------|---|---|--|----------------------------------|---------|
|          |  |      | Kolkata / 24 Pgs<br>(N & S)<br>/Area of Kalyani Sub Div | Purba Bardhaman<br>Paschim Bardhaman | Purulia | Birbhum | Howrah/<br>Hoogly | Purba Medinipur/<br>Jhargram | Paschim Medinipur/<br>Jhargram | Bankura | Nadia<br>excluding area of Kalyani<br>Sub Div | Murshidabad | Malda | Darjeeling except plains of<br>Siliguri Sub Divn. | Jalpaiguri, Alipurdwar,<br>plains of Siliguri Sub Divn.<br>& Area of Haldibari PS | Coochbehar excluding the<br>area of Haldibari PS | Uttar/<br>Dakshin Dinajpur Dist. |         |
| 6        | Construction of soak gallery (600 mm X 450 mm) with two layers of jhama metal/Brick bats (38 mm to 50 mm size) 150 mm thick and 3 layers of dry brick flats in between the layers of jhama metal leaving an opening of 100 mm X 150 mm in section along the G.L. as per sketch including cutting trenches in required grade,back filling and compacting to its original G.L. etc. complete including costs of labour and materials.<br>(This item is suitable for moorum and sandy area and predominantly sandy soils @ 1.50 metre length per head of user.) | Each | 905   | 813                                  | 711     | 711     | 906               | 896                          | 892                            | 750     | 813   | 813         | 823   | 1263  | 823   | 823  | 823                              |         |

**SECTION (B) - SANITARY AND DRAINAGE WORKS**  
**(B)-(IV) INSPECTION PIT, SEPTIC TANK, SOAK PIT ETC.**

| Item No. | Description of Item   | All Districts of West Bengal |         |
|----------|---|------------------------------|---------|
|          |   | Unit                         | (Rs)    |
| 7        | Supplying, fitting and fixing in position R.C.C. Manhole/ pit cover of approved make with rim of approved make (Heavy type)   |                              |         |
|          | (i) 450 mm dia.   | each                         | 276.00  |
|          | (ii) 560 mm dia.  | each                         | 338.00  |
| 8        | Supplying, fitting and fixing in position reinforced cement polymer concrete manhole /gully pit cover with matching frame.As per I.S-12592(M.D)   |                              |         |
|          | (i) 35 MT load bearing capacity round manhole cover provided with two lifter hooks fitted with matching frame of size<br>Cover: 700 mm X 100 mm<br>Frame: 910 mm X 185 mm<br>opening: 560mm<br>Weight: 245 kg (approx)  | each                         | 4034.00 |
|          | (ii) 25 MT load bearing capacity round manhole cover provided with two lifter hooks fitted with matching frame of size<br>Cover: 680 mm X 90 mm<br>Frame: 800 mm X 165 mm<br>opening: 500mm<br>Weight: 196 kg (approx)  | each                         | 3382.00 |
|          | (iii) 20 MT load bearing capacity round manhole cover provided with two lifter hooks fitted with matching frame of size<br>Cover: 600 mm X 75 mm<br>Frame: 750 mm X 150 mm<br>opening: 525mm<br>Weight: 170 kg (approx) | each                         | 3250.00 |
|          | (iv) 15 MT load bearing capacity round manhole cover provided with two lifter hooks fitted with matching frame of size<br>Cover: 460 mm X 75 mm<br>Frame: 620 mm X 150 mm<br>opening: 360mm<br>Weight: 100 kg (approx)  | each                         | 2536.00 |

**SECTION (B) - SANITARY AND DRAINAGE WORKS**  
**(B)-(IV) INSPECTION PIT, SEPTIC TANK, SOAK PIT ETC.**

| Item No. | Description of Item  | All Districts of West Bengal |         |
|----------|--|------------------------------|---------|
|          |  | Unit                         | (Rs)    |
|          | (v) 12 MT load bearing capacity round manhole cover provided with two lifter hooks fitted with matching frame of size<br>Cover: 550 mm X 75 mm<br>Frame: 650mm X 135 mm<br>opening: 475mm<br>Weight: 100 kg (approx)             | each                         | 2948.00 |
|          | (vi) 5 MT load bearing capacity round manhole cover provided with two lifter hooks fitted with matching frame of size<br>Cover: 565 mm X 65 mm<br>Frame: 665 mm X 125 mm<br>opening: 470mm<br>Weight: 90 kg (approx)             | each                         | 2582.00 |
|          | (vii) 3 MT load bearing capacity round manhole cover provided with two lifter hooks fitted with matching frame of size<br>Cover: 450 mm X 50 mm<br>Frame: 540 mm X 100 mm<br>opening: 370mm<br>Weight: 46 kg (approx)            | each                         | 1319.00 |
|          | (vii) 1 MT load bearing capacity round manhole cover provided with two lifter hook with matching frame of size<br>Cover: 450 mm X 40 mm<br>Frame: 540 mm X 80 mm<br>opening: 360mm<br>Weight: 34 Kg. (approx)                    | each                         | 980.00  |
|          | (viii) 5 MT load bearing capacity gully pit cover with frame and hinge arrangement for opening of size<br>Cover: 470 mm X 420 mm X 80 mm<br>Frame: 590 mm X 550 mm X 170 mm<br>opening: 380mm x 305mm<br>Weight: 100 kg (approx) | each                         | 2001.00 |
|          | (ix) Light duty gully pit cover (yard gully) with with frame and hinge arrangement for opening of size<br>Cover: 300 mm X 275 mm X 30 mm<br>Frame: 450 mm X 375 mm X 75 mm<br>opening: 300mm x 225mm<br>Weight: 43 kg (approx)   | each                         | 1233.00 |



**SECTION (B) - SANITARY AND DRAINAGE WORKS**  
**(B)-(IV) INSPECTION PIT, SEPTIC TANK, SOAK PIT ETC.**

| Item No. | Description of Item  | All Districts of West Bengal |          |
|----------|--|------------------------------|----------|
|          |  | Unit                         | (Rs)     |
| 9        | Supplying, fitting and fixing in position C.I. manhole/ pit cover with rim.  |                              |          |
|          | (a) Round  |                              |          |
|          | (i) 450 mm X 100 mm X 21 kg (approx.)  | each                         | 1696.00  |
|          | (ii) 450 mm X 100 mm X 25 kg (approx.)   | each                         | 2035.00  |
|          | (iii) 450 mm X 100 mm X 50 kg (approx.)  | each                         | 3526.00  |
|          | (iv) 450 mm X 100 mm X 75 kg (approx.)   | each                         | 5364.00  |
|          | (b) Square   |                              |          |
|          | (i) 450 mm X 450 mm X 16 kg (approx.)  | each                         | 1388.00  |
|          | (ii) 450 mm X 450 mm X 50 kg (approx.)   | each                         | 3526.00  |
|          | (iii) 600 mm X 600 mm X 32 kg (approx.)  | each                         | 2598.00  |
|          | (iv) 600 mm X 600 mm X 50 kg (approx.)   | each                         | 3526.00  |
|          | (c) Rectangular  |                              |          |
|          | (i) 600 mm X 450 mm X 25 kg (approx.)  | each                         | 2029.00  |
|          | (ii) 600 mm X 450 mm X 32 kg (approx.)   | each                         | 2443.00  |
|          | (iii) 600 mm X 450 mm X 50 kg (approx.)  | each                         | 3740.00  |
| 10       | Supplying, fitting and fixing in position <b>FRP/GRP/COMPOSITE UV stabilizer Manhole Cover</b> with high abrasion surface of 7mm top thickness with density of 2KG/m <sup>3</sup> - approved make with rim of approved make (Heavy type) |                              |          |
|          | (i) 40 MT load bearing capacity round manhole cover provided with two lifter hooks fitted with matching frame of size  |                              |          |
|          | Frame: 900 mm (36")  | Nos.                         | 20555.00 |
|          | Frame: 762 mm (30")  | Nos.                         | 15129.00 |
|          | (ii) 20 MT load bearing capacity round manhole cover provided with two lifter hooks fitted with matching frame of size   |                              |          |
|          | Frame: 900 mm (36")  | Nos.                         | 15830.00 |
|          | Frame: 762 mm (30")  | Nos.                         | 11905.00 |
|          | Frame: 690 mm (27")  | Nos.                         | 10129.00 |
|          | Frame: 600 mm (24")  | Nos.                         | 8330.00  |
|          | (iii) 10 MT load bearing capacity round manhole cover provided with two lifter hooks fitted with matching frame of size  |                              |          |
|          | Frame: 900 mm (36")  | Nos.                         | 14442.00 |
|          | Frame: 762 mm (30")  | Nos.                         | 9797.00  |
|          | Frame: 690 mm (27")  | Nos.                         | 9358.00  |
|          | Frame: 600 mm (24")  | Nos.                         | 7418.00  |

**SECTION (B) - SANITARY AND DRAINAGE WORKS**  
**(B)-(IV) INSPECTION PIT, SEPTIC TANK, SOAK PIT ETC.**

| Item No. | Description of Item   | All Districts of West Bengal |          |
|----------|---|------------------------------|----------|
|          |   | Unit                         | (Rs)     |
| 11       | Frame: 500 mm (20")   | Nos.                         | 6353.00  |
|          | (iv) 5 MT load bearing capacity round manhole cover provided with two lifter hooks fitted with matching frame of size   |                              |          |
|          | Frame: 762 mm (30")   | Nos.                         | 8634.00  |
|          | Frame: 690 mm (27")   | Nos.                         | 7138.00  |
|          | Frame: 600 mm (24")   | Nos.                         | 5830.00  |
|          | Frame: 500 mm (20")   | Nos.                         | 4474.00  |
|          | (v) 2.5 MT load bearing capacity round manhole cover provided with two lifter hooks fitted with matching frame of size  |                              |          |
|          | Frame: 600 mm (24")   | Nos.                         | 5381.00  |
|          | Frame: 500 mm (20")   | Nos.                         | 4418.00  |
|          | Supplying, fitting and fixing in position <b>FRP/GRP/COMPOSITE UV stabilizer Gully Pit Cover</b> with high abrasion surface of 7mm top thickness, density of 2KG/m <sup>3</sup> of approved make with rim of approved make (Heavy type) |                              |          |
|          | (i) 40 M.T. Gully pit cover (yard gully) with arrangement for opening of size   |                              |          |
|          | Frame Clear Opening<br>640 mm X 240 mm.   | Nos.                         | 6464.00  |
|          | Cover Out to Out<br>700 mm X 300 mm.  |                              |          |
|          | Frame Clear Opening<br>385 mm X 317 mm.   | Nos.                         | 6277.00  |
|          | Cover Out to Out<br>445 mm X 377 mm.  |                              |          |
|          | Frame Clear Opening<br>450 mm X 450 mm.   | Nos.                         | 9544.00  |
|          | Cover Out to Out<br>550 mm X 550 mm.  |                              |          |
|          | Frame Clear Opening<br>500 mm X 600 mm.   | Nos.                         | 12474.00 |
|          | Cover Out to Out<br>560 mm X 660 mm.  |                              |          |
|          | Frame Clear Opening<br>600 mm X 600 mm.   | Nos.                         | 14596.00 |
|          | Cover Out to Out<br>660 mm X 660 mm.  |                              |          |
|          | Frame Clear Opening<br>900 mm X 600 mm.   | Nos.                         | 18241.00 |
|          | Cover Out to Out  |                              |          |

**SECTION (B) - SANITARY AND DRAINAGE WORKS**  
**(B)-(IV) INSPECTION PIT, SEPTIC TANK, SOAK PIT ETC.**

| Item No. | Description of Item  | All Districts of West Bengal |          |
|----------|--|------------------------------|----------|
|          |  | Unit                         | (Rs)     |
|          | 960 mm X 660 mm.<br>(ii) 20 M.T. Gully pit cover (yard gully) with arrangement for opening of size |                              |          |
|          | Frame Clear Opening<br>640 mm X 240 mm.<br>Cover Out to Out<br>700 mm X 300 mm.                    | Nos.                         | 4595.00  |
|          | Frame Clear Opening<br>385 mm X 317 mm.<br>Cover Out to Out<br>445 mm X 377 mm.                    | Nos.                         | 5904.00  |
|          | Frame Clear Opening<br>450 mm X 450 mm.<br>Cover Out to Out<br>550 mm X 550 mm.                    | Nos.                         | 7044.00  |
|          | Frame Clear Opening<br>500 mm X 600 mm.<br>Cover Out to Out<br>560 mm X 660 mm.                    | Nos.                         | 8941.00  |
|          | Frame Clear Opening<br>600 mm X 600 mm.<br>Cover Out to Out<br>660 mm X 660 mm.                    | Nos.                         | 12904.00 |
|          | Frame Clear Opening<br>900 mm X 600 mm.<br>Cover Out to Out<br>960 mm X 660 mm.                    | Nos.                         | 15661.00 |
|          | (iii) 10 M.T. Gully pit cover (yard gully) with arrangement for opening of size                    |                              |          |
|          | Frame Clear Opening<br>640 mm X 240 mm.<br>Cover Out to Out<br>700 mm X 300 mm.                    | Nos.                         | 3917.00  |
|          | Frame Clear Opening<br>385 mm X 317 mm.<br>Cover Out to Out<br>445 mm X 377 mm.                    | Nos.                         | 5670.00  |
|          | Frame Clear Opening<br>450 mm X 450 mm.<br>Cover Out to Out<br>550 mm X 550 mm.                    | Nos.                         | 6385.00  |
|          | Frame Clear Opening<br>500 mm X 600 mm.<br>Cover Out to Out<br>560 mm X 660 mm.                    | Nos.                         | 8240.00  |
|          | Frame Clear Opening<br>600 mm X 600 mm.<br>Cover Out to Out  | Nos.                         | 8427.00  |

**SECTION (B) - SANITARY AND DRAINAGE WORKS**  
**(B)-(IV) INSPECTION PIT, SEPTIC TANK, SOAK PIT ETC.**

| Item No. | Description of Item   | All Districts of West Bengal |          |
|----------|---|------------------------------|----------|
|          |   | Unit                         | (Rs)     |
|          | 660 mm X 660 mm.<br>Frame Clear Opening<br>900 mm X 600 mm.<br>Cover Out to Out<br>960 mm X 660 mm.<br><br><b>(b) Repair Works</b>                    | Nos.                         | 14035.00 |
| 1        | Dismantling & Refixing pit cover  | each                         | 35.00    |
| 2        | Cleaning silt of inspection pit.  | each                         | 154.00   |
| 3        | Removing sludge from septic tank, soak well etc. by methor labour including disposal of the same outside the compound as directed.                    |                              |          |
|          | (a) Upto 20 users:-   |                              |          |
|          | (i) Within a lead of 150 metre  | Each                         | 1920.00  |
|          | (ii) Beyond a lead of 150 metre and outside the Municipal limit   | Each                         | 2159.00  |
|          | (b) Upto 30 users:-   |                              |          |
|          | (i) Within a lead of 150 metre  | Each                         | 2112.00  |
|          | (ii) Beyond a lead of 150 metre and outside the Municipal limit   | Each                         | 2950.00  |
|          | (c) Upto 50 users:-   |                              |          |
|          | (i) Within a lead of 150 metre  | Each                         | 2304.00  |
|          | (ii) Beyond a lead of 150 metre and outside the Municipal limit   | Each                         | 3303.00  |
|          | (d) Upto 100 users:-  |                              |          |
|          | (i) Within a lead of 150 metre  | Each                         | 2688.00  |
|          | (ii) Beyond a lead of 150 metre and outside the Municipal limit   | Each                         | 3923.00  |
|          | (e) Upto 200 users:-  |                              |          |
|          | (i) Within a lead of 150 metre  | Each                         | 3457.00  |
|          | (ii) Beyond a lead of 150 metre and outside the Municipal limit   | Each                         | 5695.00  |
| 4        | Cleaning soak pit by removing the top slab and replacing inner filling with jhama bats and repairing the pit as necessary including fitting the slab. | each                         | 1347.00  |
| 5        | Cleaning silt of master trap pit.   | each                         | 1152.00  |
| 6        | Making connection with the existing pit.  | each                         | 88.00    |

**SECTION (C) - MATERIALS AND LABOUR ETC.**  
**(C)-(I) MISCELLANEOUS**

| Item No. | Description of Item  | All Districts of West Bengal |        |
|----------|--|------------------------------|--------|
|          |  | Unit                         | (Rs)   |
|          | <b>(C)-(I) MISCELLANEOUS</b>   |                              |        |
| 1        | Cutting trench thorough passage upto 40 mm wide including refilling, watering and ramming.   | metre                        | 29.00  |
| 2        | Cutting out asphaltum road and restoring the same with spoils including guarding and barricading   | metre                        | 29.00  |
| 3        | Cutting trench upto 1.00 metre deep through masonry foundation.  | metre                        | 77.00  |
| 4        | Opening out mud holes of boiler, grinding the same to proper size and refixing including supplying, packing washer to watertight (hot water installation) including carriage to workshop and back. | Each Set                     | 861.00 |
| 5        | Decarbonising and cleaning gas pipe including necessary scaffolding, pumping and testing complete including dismantling and refixing pipe where necessary.   |                              |        |
|          | (i) Upto 25 mm dia. pipe   | metre                        | 17.00  |
|          | (ii) Above 25 mm dia. and upto 40 mm dia. pipe   | metre                        | 20.00  |
|          | (iii) Above 40 mm dia. and upto 80 mm dia. pipe  | metre                        | 25.00  |
| 6        | Renewing gas tubing upto 1.00 metre.   | each                         | 56.00  |
| 7        | Renewing 50 mm gas syphon.   | each                         | 283.00 |
| 8        | Tracing out underground pipe or pit by opening out test trench including filling it up.  | each                         | 38.00  |
| 9        | Cutting hole through wall, roof or cornice and mending good all damages.   | each                         | 68.00  |
| 10       | Renewing 15 mm C.P. over brass spreader.   | each                         | 295.00 |
| 11       | Renewing 15 mm G.I. spreader.  | each                         | 66.00  |
| 12       | Dismantling and refixing 15 mm brass spreader.   | each                         | 25.00  |
| 13       | Dismantling and refixing water distiller.  | each                         | 70.00  |

**SECTION (C) - MATERIALS AND LABOUR ETC.**  
**(C)-(I) MISCELLANEOUS**

| Item No. | Description of Item  | All Districts of West Bengal |        |
|----------|--|------------------------------|--------|
|          |  | Unit                         | (Rs)   |
| 14       | Dismantling large distilling or cooking gas burner cock, refixing after repair, greasing and cleaning 50 mm dia.   | each                         | 128.00 |
| 15       | Labour for jointing and lowering G.I. or E.R.W. M.S. pipes including strainer within the tube well bore vertically with necessary sockets, special fittings and welding as required including cost of all jointing materials, hire charges of tools and plants, cutting pipes to required sizes, making threads, welding pieces together etc. as necessary as per direction of the Engineer-in-charge. |                              |        |
|          | (i) Upto 100 mm dia. pipe  | metre                        | 59.00  |
|          | (ii) Above 100 mm dia. and upto 200 mm dia. pipe   | metre                        | 78.00  |
|          | (iii) Above 200 mm dia. and upto 300 mm dia. pipe  | metre                        | 116.00 |
|          | (iv) Above 300 mm dia pipe   | metre                        | 184.00 |
| 16       | Labour charges for making slots in E.R.W.M.S. pipe as per direction of the Engineer-in-charge for the purpose of using the slotted pipe as strainer including cost of labour and hire charges of tools and plants,all complete.  |                              |        |
|          | (i) 100 mm dia. pipe   | metre                        | 343.00 |
|          | (ii) 150 mm dia. pipe  | metre                        | 484.00 |
|          | (iii) 200 mm dia. pipe   | metre                        | 602.00 |
| 17       | Dismantling ball cock and refixing the same after repair including straightening lever and renewing split pin.   |                              |        |
|          | (i) 15 mm  | each                         | 28.00  |
|          | (ii) 20 mm   | each                         | 33.00  |
|          | (iii) 25 mm  | each                         | 36.00  |
|          | (iv) 32 mm   | each                         | 45.00  |
|          | (v) 40 mm  | each                         | 49.00  |

**SECTION (C) - MATERIALS AND LABOUR ETC.**  
**(C)-(I) MISCELLANEOUS**

| Item No. | Description of Item  | All Districts of West Bengal |        |
|----------|--|------------------------------|--------|
|          |  | Unit                         | (Rs)   |
|          | (vi) 50 mm   | each                         | 51.00  |
|          | (vii) 65 mm  | each                         | 55.00  |
| 18       | Cleaning and removing silt from choked up gully pit including painting C.I. grating with bituminous paint.                               | each                         | 33.00  |
| 19       | Cleaning, scraping and removing sediment etc. from masonry urinal or through latrine seat including cleaning with acid by methor labour. | each                         | 25.00  |
| 20       | Renewing rose headed nails 100mm.  | Each Set                     | 14.00  |
| 21       | Repairing 25 mm to 40 mm pit valve including renewing packing to gland etc.  | each                         | 38.00  |
| 22       | Renewing spindle valve and wheel of fire hydrant including taking out and refixing the same.   |                              |        |
|          | (i) 25 mm size   | Each Set                     | 193.00 |
|          | (ii) 32 mm size  | Each Set                     | 202.00 |
|          | (iii) 40 mm size   | Each Set                     | 216.00 |
|          | (iv) 50 mm size  | Each Set                     | 226.00 |
| 23       | Dismantling and refixing drain pipe including cutting trench and refilling the same.   |                              |        |
|          | (i) Upto 100 mm  | metre                        | 70.00  |
|          | (ii) 150 mm  | metre                        | 19.00  |
|          | (iii) 225 mm   | metre                        | 70.00  |
|          | (iv) 300 mm  | metre                        | 70.00  |
| 24       | Renewing hinged gully grating with frame.  |                              |        |

**SECTION (C) - MATERIALS AND LABOUR ETC.**  
**(C)-(I) MISCELLANEOUS**

| Item No. | Description of Item  | All Districts of West Bengal |         |
|----------|--|------------------------------|---------|
|          |  | Unit                         | (Rs)    |
| 25       | (i) 100 mm X 100 mm  | each                         | 32.00   |
|          | (ii) 150 mm X 150 mm   | each                         | 40.00   |
|          | (iii) 225 mm X 225 mm  | each                         | 52.00   |
|          | (iv) 300 mm X 300 mm   | each                         | 135.00  |
|          | Renewing gully grating.  |                              |         |
|          | (i) 375 mm X 300 mm X 40 mm X 18 kg  | each                         | 1523.00 |
|          | (ii) 375 mm X 300 mm X 75 mm X 25 kg   | each                         | 2043.00 |
|          | (iii) 450 mm X 375 mm X 150mm X 40 kg  | each                         | 3156.00 |
|          | (iv) 500 mm x 400 mm X 150 mm X 75 kg  | each                         | 5665.00 |
|          | (v) 600 mm x 450 mm X 100 mm X 80 kg   | each                         | 6031.00 |
| 26       | Renewing 75 mm rubber washer.  | each                         | 25.00   |
| 27       | Renewing fly or spindle.   | each                         | 37.00   |
| 28       | Cleaning rubbish, sludge, weeds scum, liquid earth, mud etc.etc.from road side masonry drain/ hume pipe drain/ culvert etc. by mathor labour after removing concrete.Slab/manhole cover etc.without damaging the same and refixing the same properly after cleaning as necessary and removing the sludge etc.etc.by using iron pans,buckets including all labour, tools & plants including removing the spoils in dry condition and disposing the same by truck beyond the road side in conformity with municipal/corporation rules for such disposal including loading into truck and cleaning the road side in all respects as per direction of the Engineer-in-Charge.<br><br>(Payment will be made on the basis of actual stack measurment of spoils in dry condition at roadside) | cum                          | 289.00  |



**SECTION (C) - MATERIALS AND LABOUR ETC.**  
**(C)-(I) MISCELLANEOUS**

| <i>Item No.</i> | <i>Description of Item</i>  | <i>All Districts of West Bengal</i> |               |
|-----------------|---|-------------------------------------|---------------|
|                 |   | <i>Unit</i>                         | <i>(Rs)</i>   |
| 29              | <i>Repairing damaged lead caulked joint by cutting trench through any type of surface including taking out lead from the joint, recasting and hammering the same with additional lead and lead wool, refilling the trench and mending good damages of the surface complete in all respect including cost of lead and lead wool.</i> |                                     |               |
|                 | <i>(i) 100 mm dia.</i>  | <i>each</i>                         | <i>232.00</i> |
|                 | <i>(ii) 150 mm dia.</i>   | <i>each</i>                         | <i>275.00</i> |

**SECTION (C) - MATERIALS AND LABOUR ETC.**  
**(C)-(II) COST OF MATERIALS**

| <b>Item No.</b> | <b>Description of Item</b>  | <b>All Districts of West Bengal</b> |                |
|-----------------|---|-------------------------------------|----------------|
|                 |   | <b>Unit</b>                         | <b>(Rs)</b>    |
| <b>I</b>        | <i>Supply of G. I. pipes of TATA make including necessary sockets</i> |                                     |                |
|                 | <i>(a) 15 mm dia.</i>   |                                     |                |
|                 | <i>(i) Light quality</i>  | <i>metre</i>                        | <i>121.00</i>  |
|                 | <i>(ii) Medium quality</i>  | <i>metre</i>                        | <i>135.00</i>  |
|                 | <i>(b) 20 mm dia.</i>   |                                     |                |
|                 | <i>(i) Light quality</i>  | <i>metre</i>                        | <i>137.00</i>  |
|                 | <i>(ii) Medium quality</i>  | <i>metre</i>                        | <i>161.00</i>  |
|                 | <i>(c) 25 mm dia.</i>   |                                     |                |
|                 | <i>(i) Light quality</i>  | <i>metre</i>                        | <i>198.00</i>  |
|                 | <i>(ii) Medium quality</i>  | <i>metre</i>                        | <i>233.00</i>  |
|                 | <i>(d) 32 mm dia.</i>   |                                     |                |
|                 | <i>(i) Light quality</i>  | <i>metre</i>                        | <i>209.00</i>  |
|                 | <i>(ii) Medium quality</i>  | <i>metre</i>                        | <i>256.00</i>  |
|                 | <i>(e) 40 mm dia.</i>   |                                     |                |
|                 | <i>(i) Light quality</i>  | <i>metre</i>                        | <i>232.00</i>  |
|                 | <i>(ii) Medium quality</i>  | <i>metre</i>                        | <i>291.00</i>  |
|                 | <i>(f) 50 mm dia.</i>   |                                     |                |
|                 | <i>(i) Light quality</i>  | <i>metre</i>                        | <i>325.00</i>  |
|                 | <i>(ii) Medium quality</i>  | <i>metre</i>                        | <i>402.00</i>  |
|                 | <i>(g) 65 mm dia.</i>   |                                     |                |
|                 | <i>(i) Light quality</i>  | <i>metre</i>                        | <i>426.00</i>  |
|                 | <i>(ii) Medium quality</i>  | <i>metre</i>                        | <i>517.00</i>  |
|                 | <i>(h) 80 mm dia.</i>   |                                     |                |
|                 | <i>(i) Light quality</i>  | <i>metre</i>                        | <i>554.00</i>  |
|                 | <i>(ii) Medium quality</i>  | <i>metre</i>                        | <i>659.00</i>  |
|                 | <i>(i) 100 mm dia.</i>  |                                     |                |
|                 | <i>(i) Medium quality</i>   | <i>metre</i>                        | <i>830.00</i>  |
|                 | <i>(ii) Heavy quality</i>   | <i>metre</i>                        | <i>983.00</i>  |
|                 | <i>(j) 125 mm dia.</i>  |                                     |                |
|                 | <i>(i) Medium quality</i>   | <i>metre</i>                        | <i>1101.00</i> |
|                 | <i>(ii) Heavy quality</i>   | <i>metre</i>                        | <i>1258.00</i> |

**SECTION (C) - MATERIALS AND LABOUR ETC.**  
**(C)-(II) COST OF MATERIALS**

| <i>Item No.</i> | <i>Description of Item</i>                         | <i>All Districts of West Bengal</i> |             |
|-----------------|--|-------------------------------------|-------------|
|                 |  | <i>Unit</i>                         | <i>(Rs)</i> |
|                 | (k) 150 mm dia.                                    |                                     |             |
|                 | (i) Medium quality                                 | metre                               | 1295.00     |
|                 | (ii) Heavy quality                                 | metre                               | 1415.00     |
| 2               | Supply of galvanised iron socket with I.S.I. mark. |                                     |             |
|                 | (i) 15 mm dia                                      | each                                | 15.00       |
|                 | (ii) 20 mm dia.                                    | each                                | 22.00       |
|                 | (iii) 25 mm dia.                                   | each                                | 32.00       |
|                 | (iv) 32 mm dia.                                    | each                                | 45.00       |
|                 | (v) 40 mm dia.                                     | each                                | 60.00       |
|                 | (vi) 50 mm dia.                                    | each                                | 92.00       |
|                 | (vii) 65 mm dia.                                   | each                                | 161.00      |
|                 | (viii) 80 mm dia.                                  | each                                | 226.00      |
|                 | (ix) 100 mm dia.                                   | each                                | 390.00      |
|                 | (ix)125mm dia                                      | each                                | 963.00      |
|                 | (ix)150mm dia                                      | each                                | 1344.00     |
| 3               | Supply of galvanised iron jamnut.                  |                                     |             |
|                 | (i) 15 mm  | each                                | 10.00       |
|                 | (ii) 20 mm   | each                                | 12.00       |
|                 | (iii) 25 mm  | each                                | 20.00       |
|                 | (iv) 32 mm   | each                                | 32.00       |

**SECTION (C) - MATERIALS AND LABOUR ETC.**  
**(C)-(II) COST OF MATERIALS**

| <i>Item No.</i> | <i>Description of Item</i>                       | <i>All Districts of West Bengal</i> |             |
|-----------------|--|-------------------------------------|-------------|
|                 |  | <i>Unit</i>                         | <i>(Rs)</i> |
| 4               | (v) 40 mm  | each                                | 35.00       |
|                 | (vi) 50 mm                                       | each                                | 60.00       |
|                 | (vii) 65 mm                                      | each                                | 84.00       |
|                 | (viii) 80 mm                                     | each                                | 130.00      |
|                 | (ix) 100 mm                                      | each                                | 243.00      |
|                 | Supply of G.I. plug                              |                                     |             |
|                 | (i) 15 mm  | each                                | 10.00       |
|                 | (ii) 20 mm                                       | each                                | 19.00       |
|                 | (iii) 25 mm                                      | each                                | 27.00       |
|                 | (iv) 32 mm                                       | each                                | 43.00       |
|                 | (v) 40 mm  | each                                | 55.00       |
|                 | (vi) 50 mm                                       | each                                | 86.00       |
|                 | (vii) 65 mm                                      | each                                | 107.00      |
|                 | (viii) 80 mm                                     | each                                | 158.00      |
|                 | (ix) 100 mm                                      | each                                | 315.00      |
| 5               | Supply of G.I. reducing socket with I.S.I. mark. |                                     |             |
|                 | (i) 20 mm  | each                                | 24.00       |
|                 | (ii) 25 mm                                       | each                                | 34.00       |
|                 | (iii) 32 mm                                      | each                                | 50.00       |
|                 | (iv) 40 mm                                       | each                                | 66.00       |
|                 | (v) 50 mm  | each                                | 101.00      |

**SECTION (C) - MATERIALS AND LABOUR ETC.**  
**(C)-(II) COST OF MATERIALS**

| <i>Item No.</i> | <i>Description of Item</i>                                   | <i>All Districts of West Bengal</i> |             |
|-----------------|--|-------------------------------------|-------------|
|                 |  | <i>Unit</i>                         | <i>(Rs)</i> |
| 6               | (vi) 65 mm   | each                                | 177.00      |
|                 | (vii) 80 mm  | each                                | 248.00      |
|                 | (vii) 100 mm   | each                                | 429.00      |
|                 | (ix) 125mm dia   | each                                | 1059.00     |
|                 | (ix) 150mm dia   | each                                | 1478.00     |
|                 | Supply of G.I. bend.   |                                     |             |
|                 | (i) 15 mm  | each                                | 34.00       |
|                 | (ii) 20 mm   | each                                | 52.00       |
|                 | (iii) 25 mm  | each                                | 83.00       |
|                 | (iv) 32 mm   | each                                | 154.00      |
|                 | (v) 40 mm  | each                                | 214.00      |
|                 | (vi) 50 mm   | each                                | 360.00      |
|                 | (vii) 65 mm  | each                                | 835.00      |
|                 | (viii) 80 mm   | each                                | 1463.00     |
|                 | (ix) 100 mm  | each                                | 2407.00     |
| 7               | Supply of G.I. plain equal elbow of approved brand and make. |                                     |             |
|                 | (i) 15 mm  | each                                | 16.00       |
|                 | (ii) 20 mm   | each                                | 26.00       |
|                 | (iii) 25 mm  | each                                | 44.00       |
|                 | (iv) 32 mm   | each                                | 66.00       |
|                 | (v) 40 mm  | each                                | 89.00       |
|                 | (vi) 50 mm   | each                                | 139.00      |

**SECTION (C) - MATERIALS AND LABOUR ETC.**  
**(C)-(II) COST OF MATERIALS**

| <i>Item No.</i> | <i>Description of Item</i>                          | <i>All Districts of West Bengal</i> |             |
|-----------------|---|-------------------------------------|-------------|
|                 |   | <i>Unit</i>                         | <i>(Rs)</i> |
| 8               | (vii) 65 mm   | each                                | 236.00      |
|                 | (viii) 80 mm  | each                                | 365.00      |
|                 | (ix) 100 mm   | each                                | 622.00      |
|                 | (ix)125mm dia                                       | each                                | 1494.00     |
|                 | (ix)150mm dia                                       | each                                | 2001.00     |
|                 | Supply of G.I. plain tee of approved brand and make |                                     |             |
|                 | (i) 15 mm   | each                                | 25.00       |
|                 | (ii) 20 mm  | each                                | 41.00       |
|                 | (iii) 25 mm   | each                                | 61.00       |
|                 | (iv) 32 mm  | each                                | 87.00       |
|                 | (v) 40 mm   | each                                | 119.00      |
|                 | (vi) 50 mm  | each                                | 189.00      |
|                 | (vii) 65 mm   | each                                | 302.00      |
|                 | (viii) 80 mm  | each                                | 420.00      |
|                 | (ix) 100 mm   | each                                | 740.00      |
|                 | (ix)125mm dia                                       | each                                | 2000.00     |
|                 | (ix)150mm dia                                       | each                                | 2521.00     |
| 9               | Supply of pendent tee with I.S.I. mark.             |                                     |             |
|                 | (i) 15 mm X 15 mm X 20 mm                           | each                                | 32.00       |
|                 | (ii) 15 mm X 15 mm X 25 mm                          | each                                | 51.00       |
|                 | (iii) 20 mm X 20 mm X 25 mm                         | each                                | 76.00       |

**SECTION (C) - MATERIALS AND LABOUR ETC.**  
**(C)-(II) COST OF MATERIALS**

| <b>Item No.</b> | <b>Description of Item</b>                             | <b>All Districts of West Bengal</b> |             |
|-----------------|--|-------------------------------------|-------------|
|                 |  | <b>Unit</b>                         | <b>(Rs)</b> |
| 10              | (iv) 25 mm X 25 mm X 32 mm                             | each                                | 109.00      |
|                 | (v) 25 mm X 25 mm X 50 mm                              | each                                | 135.00      |
|                 | (vi) 32 mm X 32 mm X 40 mm                             | each                                | 121.00      |
|                 | (vii) 40 mm X 40 mm X 50 mm                            | each                                | 129.00      |
|                 | Supply of G.I. reducing tee of approved brand and make |                                     |             |
|                 | (i) 20 mm X 15 mm                                      | each                                | 45.00       |
|                 | (ii) 25 mm X 15 mm                                     | each                                | 67.00       |
|                 | (iii) 25 mm X 20 mm                                    | each                                | 67.00       |
|                 | (iv) 32 mm X 15 mm                                     | each                                | 96.00       |
|                 | (v) 32 mm X 20 mm                                      | each                                | 96.00       |
|                 | (vi) 32 mm X 25 mm                                     | each                                | 96.00       |
|                 | (vii) 40 mm X 15 mm                                    | each                                | 131.00      |
|                 | (viii) 40 mm X 20 mm                                   | each                                | 131.00      |
|                 | (ix) 40 mm X 25 mm                                     | each                                | 131.00      |
|                 | (x) 40 mm X 32 mm                                      | each                                | 131.00      |
|                 | (xi) 50 mm X 15 mm                                     | each                                | 208.00      |
|                 | (xii) 50 mm X 20 mm                                    | each                                | 208.00      |
|                 | (xiii) 50 mm X 25 mm                                   | each                                | 208.00      |
|                 | (xiv) 50 mm X 32 mm                                    | each                                | 208.00      |
|                 | (xv) 50 mm X 40 mm                                     | each                                | 208.00      |
|                 | (xvi) 65 mm X 50 mm                                    | each                                | 332.00      |
|                 | (xvii) 80 mm X 50 mm                                   | each                                | 461.00      |
|                 | (xviii) 100 mm X 80 mm                                 | each                                | 814.00      |

**SECTION (C) - MATERIALS AND LABOUR ETC.**  
**(C)-(II) COST OF MATERIALS**

| Item No. | Description of Item  | All Districts of West Bengal |        |
|----------|--|------------------------------|--------|
|          |  | Unit                         | (Rs)   |
| 11       | (xix) 100 mm X 65 mm   | each                         | 814.00 |
|          | Supply of G.I. nipple standard 50 mm long.   |                              |        |
|          | (i) 15 mm  | each                         | 17.00  |
|          | (ii) 20 mm   | each                         | 26.00  |
|          | (iii) 25 mm  | each                         | 43.00  |
|          | (iv) 32 mm   | each                         | 65.00  |
|          | (v) 40 mm  | each                         | 82.00  |
|          | (vi) 50 mm   | each                         | 117.00 |
|          | (vii) 65 mm  | each                         | 213.00 |
| 12       | (viii) 80 mm   | each                         | 305.00 |
|          | (ix) 100mm dia   | each                         | 421.00 |
|          | Supply of long screw (150 mm long) of TATA make with sockets (TATA make) and jamnut. |                              |        |
|          | (i) 15 mm  | each                         | 32.00  |
|          | (ii) 20 mm   | each                         | 45.00  |
|          | (iii) 25 mm  | each                         | 59.00  |
|          | (iv) 32 mm   | each                         | 74.00  |
|          | (v) 40 mm  | each                         | 98.00  |
|          | (vi) 50 mm   | each                         | 140.00 |
|          | (vii) 65 mm  | each                         | 284.00 |
|          | (viii) 80 mm   | each                         | 318.00 |



**SECTION (C) - MATERIALS AND LABOUR ETC.**  
**(C)-(II) COST OF MATERIALS**

| <i>Item No.</i> | <i>Description of Item</i>   | <i>All Districts of West Bengal</i> |                |
|-----------------|------------------------------|-------------------------------------|----------------|
|                 |                              | <i>Unit</i>                         | <i>(Rs)</i>    |
| <i>13</i>       | <i>(ix) 100 mm</i>           | <i>each</i>                         | <i>446.00</i>  |
|                 | <i>Supply of G.I. union.</i> |                                     |                |
|                 | <i>(i) 15 mm</i>             | <i>each</i>                         | <i>45.00</i>   |
|                 | <i>(ii) 20 mm</i>            | <i>each</i>                         | <i>69.00</i>   |
|                 | <i>(iii) 25 mm</i>           | <i>each</i>                         | <i>96.00</i>   |
|                 | <i>(iv) 32 mm</i>            | <i>each</i>                         | <i>140.00</i>  |
|                 | <i>(v) 40 mm</i>             | <i>each</i>                         | <i>172.00</i>  |
|                 | <i>(vi) 50 mm</i>            | <i>each</i>                         | <i>263.00</i>  |
|                 | <i>(vii) 65 mm</i>           | <i>each</i>                         | <i>516.00</i>  |
|                 | <i>(viii) 80 mm</i>          | <i>each</i>                         | <i>728.00</i>  |
|                 | <i>(ix) 100 mm</i>           | <i>each</i>                         | <i>982.00</i>  |
| <i>14</i>       | <i>(x) 125mm dia</i>         | <i>each</i>                         | <i>2411.00</i> |
|                 | <i>(xi) 150mm dia</i>        | <i>each</i>                         | <i>3014.00</i> |
|                 | <i>Supply of G.I. cross.</i> |                                     |                |
|                 | <i>(i) 15 mm</i>             | <i>each</i>                         | <i>42.00</i>   |
|                 | <i>(ii) 20 mm</i>            | <i>each</i>                         | <i>59.00</i>   |
|                 | <i>(iii) 25 mm</i>           | <i>each</i>                         | <i>94.00</i>   |
|                 | <i>(iv) 32 mm</i>            | <i>each</i>                         | <i>149.00</i>  |
|                 | <i>(v) 40 mm</i>             | <i>each</i>                         | <i>198.00</i>  |
|                 | <i>(vi) 50 mm</i>            | <i>each</i>                         | <i>301.00</i>  |
|                 | <i>(vii) 65mm dia</i>        | <i>each</i>                         | <i>538.00</i>  |

**SECTION (C) - MATERIALS AND LABOUR ETC.**  
**(C)-(II) COST OF MATERIALS**

| Item No. | Description of Item   | All Districts of West Bengal |         |
|----------|---|------------------------------|---------|
|          |   | Unit                         | (Rs)    |
| 15       | (viii) 80mm dia   | each                         | 783.00  |
|          | (ix) 100mm dia  | each                         | 1067.00 |
|          | Supply of G.I. short piece of TATA make (Above 50mm & upto 150 mm long) |                              |         |
|          | (i) 15 mm   | each                         | 46.00   |
|          | (ii) 20 mm  | each                         | 60.00   |
|          | (iii) 25 mm   | each                         | 73.00   |
|          | (iv) 32 mm  | each                         | 76.00   |
|          | (v) 40 mm   | each                         | 102.00  |
|          | (vi) 50 mm  | each                         | 126.00  |
|          | (vii) 65 mm   | each                         | 175.00  |
|          | (viii) 80 mm  | each                         | 213.00  |
| 16       | (ix) 100 mm   | each                         | 325.00  |
|          | Supply of G.I. reducing elbow.  |                              |         |
|          | (i) 20 mm X 15 mm   | each                         | 28.00   |
|          | (ii) 25 mm X 15 mm  | each                         | 48.00   |
|          | (iii) 25 mm X 20 mm   | each                         | 48.00   |
|          | (iv) 32 mm X 15 mm  | each                         | 74.00   |
|          | (v) 32 mm X 20 mm   | each                         | 74.00   |
|          | (vi) 32 mm X 25 mm  | each                         | 74.00   |
|          | (vii) 40 mm X 15 mm   | each                         | 99.00   |
|          | (viii) 40 mm X 20 mm  | each                         | 99.00   |

**SECTION (C) - MATERIALS AND LABOUR ETC.**  
**(C)-(II) COST OF MATERIALS**

| Item No. | Description of Item  | All Districts of West Bengal |         |
|----------|--|------------------------------|---------|
|          |  | Unit                         | (Rs)    |
|          | (ix) 40 mm X 25 mm   | each                         | 99.00   |
|          | (x) 40 mm X 32 mm  | each                         | 99.00   |
|          | (xi) 50 mm X 15 mm   | each                         | 153.00  |
|          | (xii) 50 mm X 20 mm  | each                         | 153.00  |
|          | (xiii) 50 mm X 25 mm   | each                         | 153.00  |
|          | (xiv) 50 mm X 32 mm  | each                         | 153.00  |
|          | (xv) 50 mm X 40 mm   | each                         | 153.00  |
|          | (xvi) 65 mm X 50 mm  | each                         | 260.00  |
|          | (xvii) 80 mm X 50 mm   | each                         | 400.00  |
|          | (xviii) 100 mm X 80 mm   | each                         | 683.00  |
|          | (xix) 100 mm X 65 mm   | each                         | 683.00  |
| 17       | (A) Sypply of E.R.W.M.S.(Electrical Resistant Welded M.S.) black pipe of of TATA make (heavy quality) as per standard specification, 5 mm thick. |                              |         |
|          | (i) 100 mm dia. (internal)   | metre                        | 1045.00 |
|          | (ii) 150 mm dia. (internal)  | metre                        | 1522.00 |
|          | (iii) 200 mm dia. (internal)   | metre                        | 1818.00 |
|          | (iv) 250 mm dia. (internal)  | metre                        | 2494.00 |
|          | (v) 300 mm dia. (internal)   | metre                        | 3345.00 |
|          | (B) Supply of E.R.W.M.S. black pipe of approved make(heavy quality) as per standard specification having wall thickness not less than 8 mm.      |                              |         |
|          | (i) 200 mm dia. (internal)   | metre                        | 2420.00 |
|          | (ii) 300 mm dia. (internal)  | metre                        | 3644.00 |

**SECTION (C) - MATERIALS AND LABOUR ETC.**  
**(C)-(II) COST OF MATERIALS**

| <i>Item No.</i> | <i>Description of Item</i>  | <i>All Districts of West Bengal</i> |             |
|-----------------|---|-------------------------------------|-------------|
|                 |   | <i>Unit</i>                         | <i>(Rs)</i> |
|                 | <i>N.B. The rates for supply of non TATA but I.S.I. marked G.I. pipes and fittings will be arrived at by reducing the corresponding rates for TATA pipes and fittings by 20%.</i> |                                     |             |

***Section (C) III: Labour Rate for Sanitary and Plumbing***

| Sl NO. | Description of Items | unit | Rate (Rs.)                          |
|--------|----------------------|------|-------------------------------------|
|        |                      |      | <i>All Districts of West Bengal</i> |
| 1      | Plumbing Mistry      | Each | 326                                 |
| 2      | Mazdoor              | Each | 245                                 |
| 3      | Methor Mistry        | Each | 326                                 |
| 4      | Methor Mazdoor       | Each | 296                                 |
| 5      | Plumbing Helper      | Each | 270                                 |

***Note:-***

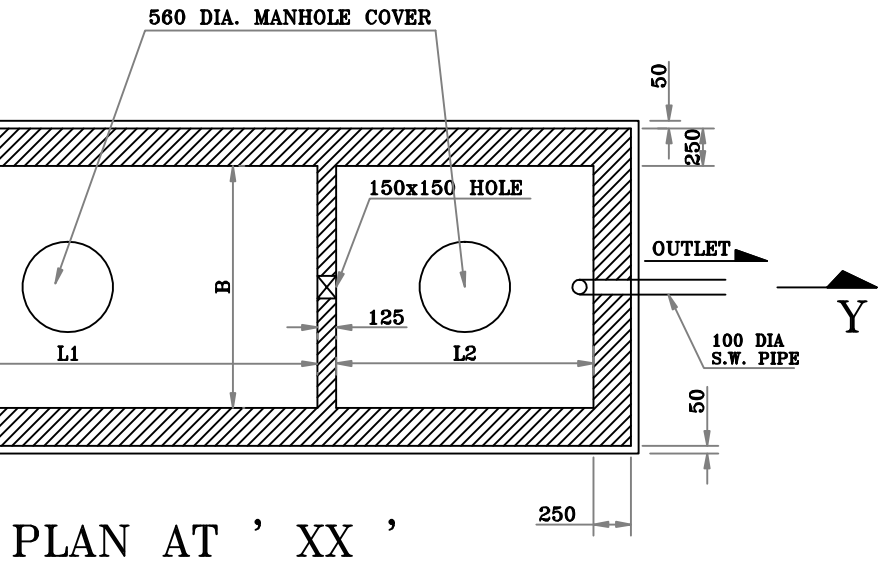
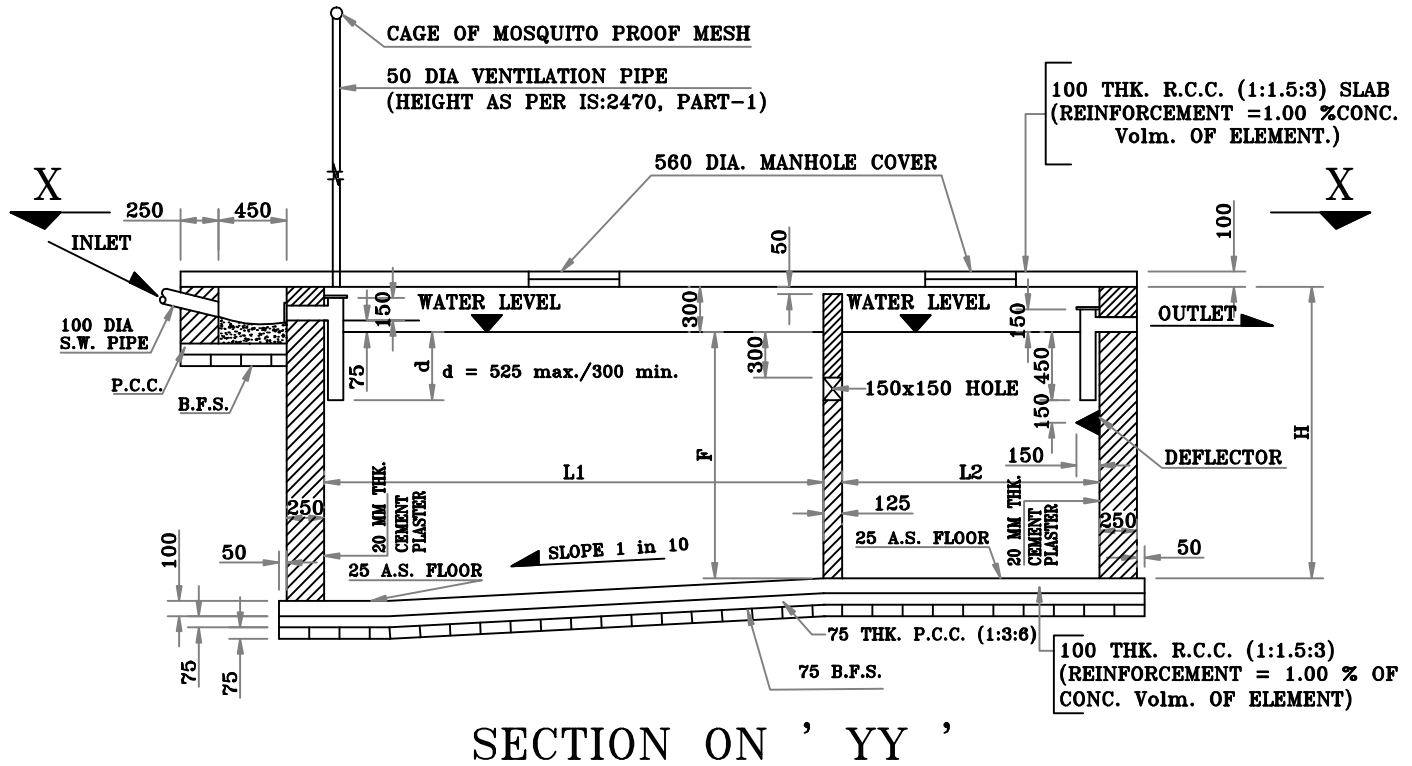
***The above rates are exclusive of 10 % profit and 1% Labour welfare cess, which would be admissible to the Contractor, but contractual percentage will not be applicable on the above rates.***

*SECTION (C) : IV*

*RECOMMENDATION ON SELECTION OF DIAMETER OF PIPE IN  
DISTRIBUTION SYSTEM*

| <i>Diameter of Delivery<br/>Main</i> | <i>Diameter of Branch Pipe</i> |                |                |               |               |               |
|--------------------------------------|--------------------------------|----------------|----------------|---------------|---------------|---------------|
|                                      | <i>2 inch</i>                  | <i>1½ inch</i> | <i>1¼ inch</i> | <i>1 inch</i> | <i>¾ inch</i> | <i>½ inch</i> |
| <i>2 inch</i>                        | <i>1</i>                       | <i>2</i>       | <i>3</i>       | <i>6</i>      | <i>12</i>     | <i>32</i>     |
| <i>1½ inch</i>                       | ---                            | <i>1</i>       | <i>2</i>       | <i>3</i>      | <i>6</i>      | <i>16</i>     |
| <i>1¼ inch</i>                       | ---                            | ---            | <i>1</i>       | <i>2</i>      | <i>4</i>      | <i>10</i>     |
| <i>1 inch</i>                        | ---                            | ---            | ---            | <i>1</i>      | <i>2</i>      | <i>6</i>      |
| <i>¾ inch</i>                        | ---                            | ---            | ---            | ---           | <i>1</i>      | <i>3</i>      |
| <i>½ inch</i>                        | ---                            | ---            | ---            | ---           | ---           | <i>1</i>      |

### SECTION (C) - V :-DRAWING OF SEPTIC TANK



| NO. OF USER | L1   | L2   | B    | F    | H    |
|-------------|------|------|------|------|------|
| 200         | 5900 | 3000 | 2700 | 1400 | 1700 |
| 100         | 3800 | 1900 | 2100 | 1400 | 1700 |
| 50          | 3300 | 1700 | 1600 | 1300 | 1600 |
| 30          | 2000 | 1000 | 1500 | 1300 | 1600 |
| 20          | 1500 | 800  | 1100 | 1300 | 1600 |
| 10          | 1300 | 700  | 900  | 1000 | 1300 |

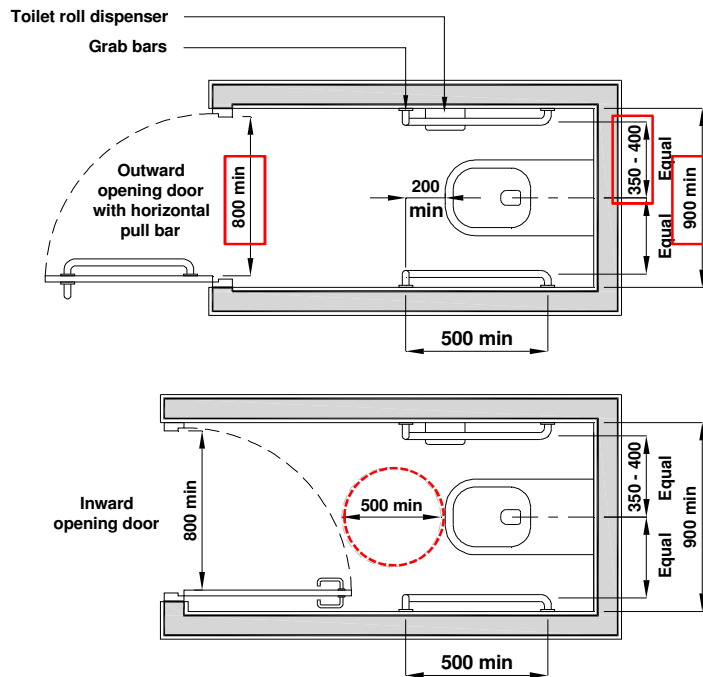
### DETAILS OF SEPTIC TANK

SCALE :- 1 : 50

ALL DIMENSIONS ARE IN MM

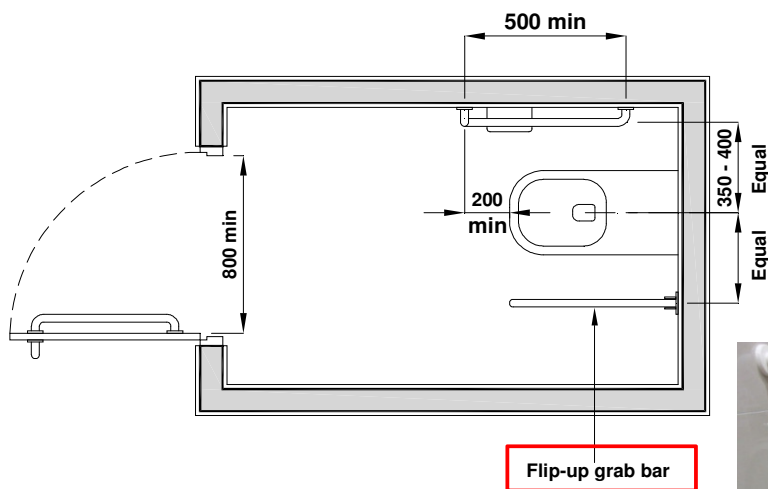
## AMBULANT DISABLED TOILET (As per Indian Building Code 2016)

### Diagrams & dimensions



## AMBULANT DISABLED TOILET

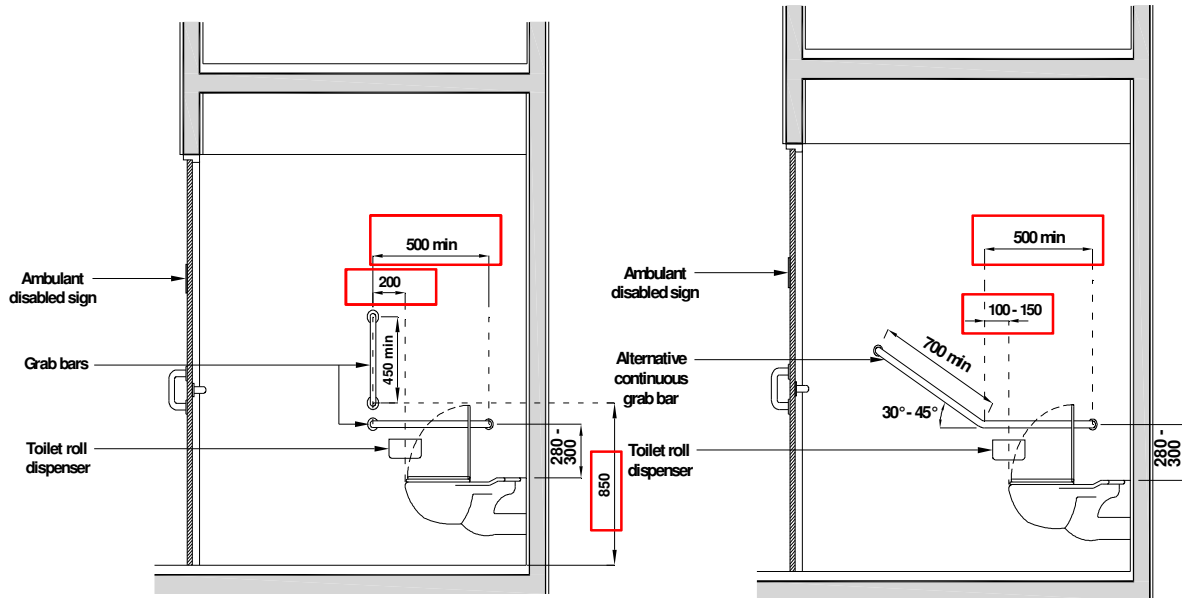
### Large ambulant disabled toilet





## AMBULANT DISABLED TOILET continued...

### Diagrams & dimensions

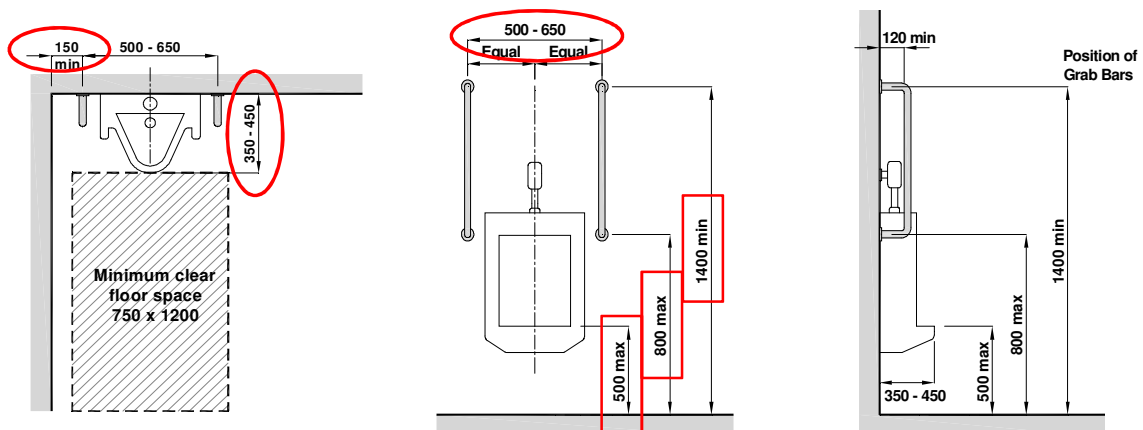


## URINAL FOR DISABLED :-

- Where urinals are provided, at least one urinal shall be provided with grab bars

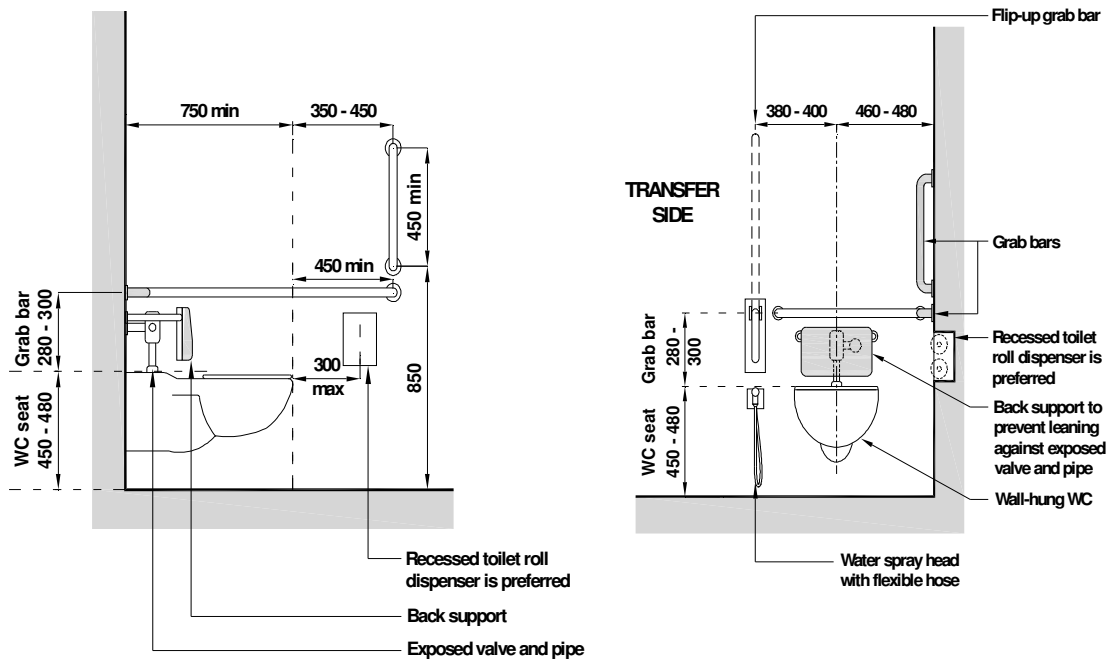


### Diagrams



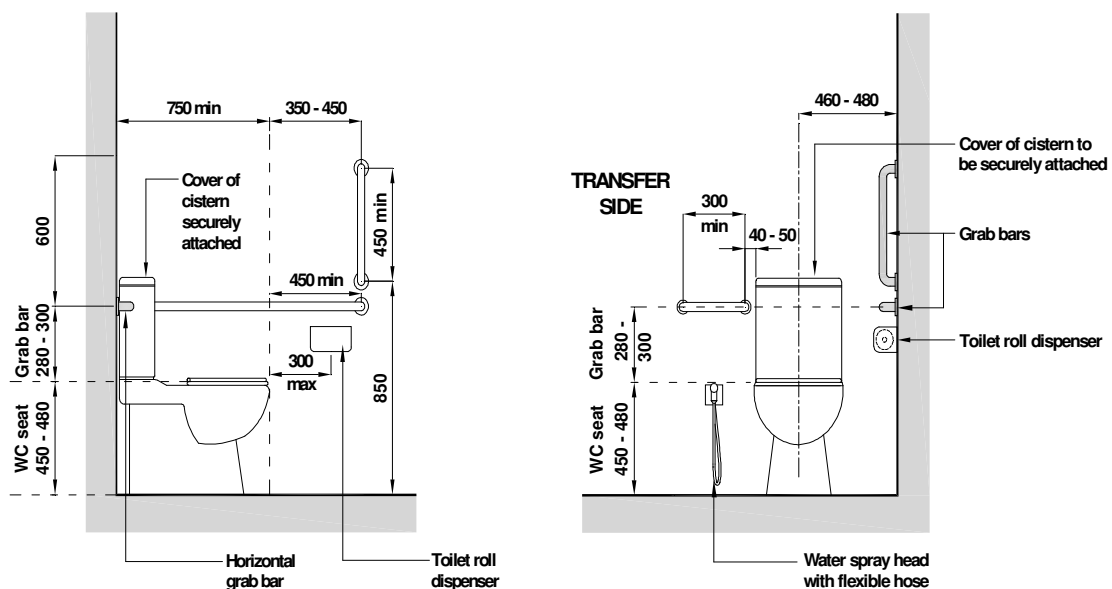
## AMBULANT DISABLED TOILET continued...

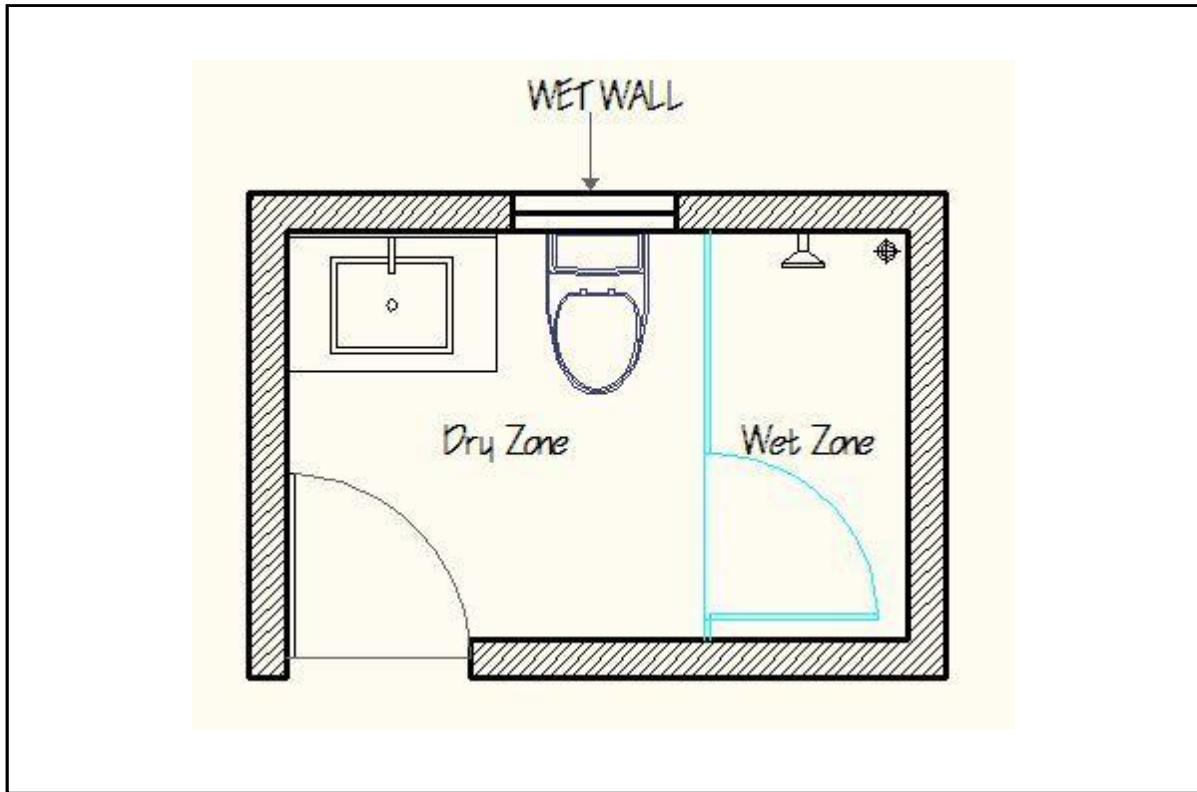
### Wall-hung WC with exposed pipe & valve



### Pedestal type WC with cistern

- For existing buildings with space constraints





**WET AND DRY AREAS IN TOILETS (Typical)**

# ANNEXURE-I

**Table-1.1- ISSUE RATE OF CEMENT & STEEL MATERIALS**

| Item No. | Descriptions of Items  | Unit | Issue Rate(Rs)<br>(Supplied by Department) |              | Basic Price(Rs)<br>(Supplied by Contractor) |              | Remarks  |
|----------|--|------|--|--------------|---|--------------|--|
|          |  |      | South Bengal                               | North Bengal | South Bengal                                | North Bengal |  |
| 1        | 2  | 3    | 4  | 5            | 6   | 7            | 8  |
| 1)       | Cement:<br>PPC/PSC/<br>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:<br>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:<br>OPC(53 Grade)   | MT   | 6460                                       | 6662         | 5873  | 6056         |  |
| 2)       | Steel Materials<br>i) Mild Steel Rods<br>(Fe 250)<br>(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<br>(SAIL/TATA/RINL)               | MT   | 41300                                      | 43000        | 36530                                       | 38060        |  |
|          | Steel Materials<br>i) Mild Steel Rods<br>(Fe 250)<br>(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<br>(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)*

*Step - 1                      Rate of item as per relevant section of this Schedule                      Rs. A*

*Step - 2                      Deduct cost of cement = (Quantity of cement) X (Issue rate of cement vide Item No. 1, Column - 4, Table - 1 - 1 of Annexure - I)                      Rs. B*

*Note: The quantity of cement shall be as per Chart for Consumption of Materials.*

*Step - 3                      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)                      Rs. C*

*Note: The quantity of cement shall be same as Step - 2.*

*Final Rate of Item = Rs. A - Rs.B + Rs. C =                      Rs. D*

## **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>Rs.</b> | <b>A</b> |
| <i>Step - 2</i> | <i>Deduct Issue Rate (Per MT) of respective Quality Steel X 1.05</i>   | <b>Rs.</b> | <b>B</b> |
| <i>Step - 3</i> | <i>Add Basic Price at outlet of Steel of respective quality X 1.05</i>   | <b>Rs.</b> | <b>C</b> |
| <i>Step - 4</i> | <i>Add Contractor's Profit @ 10% on cost of Steel only (Sl. No. 3)</i>   | <b>Rs.</b> | <b>D</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>Rs.</b> | <b>E</b> |

***Final Rate of Item = [Rs. A - Rs.B + Rs.C + Rs.D + Rs.E] = Rs.***

## ANNEXURE - I

### USEFUL TABLE

**Table - 1.2** Area & linear weights of common reinforcement bars :

| Diameter of bar<br>(mm) | Cross Sectional Area<br>(mm <sup>2</sup> ) |               | Weight per meter length<br>(kg / m) |               |
|-------------------------|--|---------------|-------------------------------------|---------------|
|                         | M. S. Bars                                 | H.Y.S.D. Bars | M. S. Bars                          | H.Y.S.D. Bars |
| 6                       | 28.27                                      | 28.30         | 0.222                               | 0.222         |
| 8                       | 50.26                                      | 50.30         | 0.390                               | 0.395         |
| 10                      | 78.54                                      | 78.50         | 0.616                               | 0.617         |
| 12                      | 113.10                                     | 113.10        | 0.888                               | 0.888         |
| 16                      | 201.06                                     | 201.10        | 1.578                               | 1.579         |
| 20                      | 314.16                                     | 314.20        | 2.466                               | 2.467         |
| 22                      | 380.13                                     | 380.10        | 2.984                               | 2.985         |
| 25                      | 490.87                                     | 490.90        | 3.853                               | 3.855         |
| 28                      | 615.75                                     | 615.70        | 4.834                               | 4.836         |
| 32                      | 804.24                                     | 804.20        | 6.313                               | 6.316         |
| 36                      | 1017.88                                    | 1017.90       | 7.990                               | 7.994         |
| 40                      | 1257.64                                    | 1256.60       | 9.865                               | 9.869         |

**Table - 1.3** Conversion factors for Linear Measurements:

| To Convert | To        | Conversion factor | To Convert | To        | Conversion |
|------------|-----------|-------------------|------------|-----------|------------|
| milimeter  | inch      | 0.03937           | mile       | kilometer | 1.6093     |
| inch       | milimeter | 25.4000           | kilometer  | mile      | 0.62137    |
| meter      | foot      | 3.28084           | centimeter | inch      | 0.39370    |
| foot       | meter     | 0.30480           | meter      | yard      | 1.09361    |
| yard       | meter     | 0.91440           | mile       | yard      | 1760.00    |

**Table - 1.4** Conversion factors for weight.

| To Convert        | To              | Conversion factor | To Convert | To         | Conversion factor |
|-------------------|-----------------|-------------------|------------|------------|-------------------|
| kilogram          | pound           | 2.20459           | ton        | metric ton | 1.0161            |
| pound             | kilogram        | 0.45360           | metric ton | ton        | 0.98419           |
| Metric ton(tonne) | kip(kilo pound) | 2.20459           | ton        | pound      | 2240.00           |
| kip               | Metric ton      | 0.45360           | ton        | kilogram   | 1016.06           |

**Table - 1.5** Conversion factors for Area:

| To Convert     | To             | Conversion factor | To Convert | To            | Conversion factor |
|----------------|----------------|-------------------|------------|---------------|-------------------|
| sq. centimeter | sq. inch       | 0.15500           | acre       | hectare       | 0.4047            |
| sq. inch       | sq. centimeter | 6.45160           | hectare    | acre          | 2.47113           |
| sq. meter      | sq. foot       | 10.76391          | sq. meter  | hectare       | 0.00010           |
| sq. foot       | sq. meter      | 0.09290           | sq. mile   | sq. kilometer | 2.58998           |

## ANNEXURE - I

### USEFUL TABLE

**Table - 1.6** Conversion factors for Volume:

| To Convert      | To    | Conversion factor | To Convert     | To             | Conversion |
|-----------------|-------|-------------------|----------------|----------------|------------|
| imperial gallon | litre | 4.54610           | cu. Inch       | cu. centimeter | 16.387     |
| US gallon       | litre | 3.76902           | cu. foot (cft) | cu. meter      | 0.02832    |
| cu. foot (cft)  | litre | 28.31685          |                |                |            |

**Table - 1.7** Conversion factors for Density:

| To Convert       | To                    | Conversion factor | To Convert            | To          | Conversion |
|------------------|-----------------------|-------------------|-----------------------|-------------|------------|
| pound / cft      | ton / cu. Meter       | 0.01602           | gram / cu. Centimeter | pound / cft | 62.427     |
| pound / cu. Inch | gram / cu. Centimeter | 27.68040          | kilogram / cu. Meter  | pound / cft | 0.06243    |

**Table - 1.8**

| Standard Wire Gauge | MM        | Standard Wire Gauge | MM        |
|---------------------|-----------|---------------------|-----------|
| 30 Gauge            | 0.315 mm  | 10 Gauge            | 3.251 mm  |
| 28 Gauge            | 0.3759 mm | 8 Gauge             | 4.064 mm  |
| 26 Gauge            | 0.4570 mm | 6 Gauge             | 4.877 mm  |
| 24 Gauge            | 0.5590 mm | 4 Gauge             | 5.893 mm  |
| 22 Gauge            | 0.7110 mm | 2 Gauge             | 7.010 mm  |
| 20 Gauge            | 0.9140 mm | 1 Gauge             | 7.620 mm  |
| 18 Gauge            | 1.219 mm  | 0 Gauge             | 8.230 mm  |
| 16 Gauge            | 1.626 mm  | 00 Gauge            | 8.839 mm  |
| 14 Gauge            | 2.032 mm  | 000 Gauge           | 9.045 mm  |
| 12 Gauge            | 2.642 mm  | 0000 Gauge          | 10.160 mm |

**Table - 1.9**

| Birmingham Wire Gauge | MM       | Birmingham Wire Gauge | MM        |
|-----------------------|----------|-----------------------|-----------|
| 30 Gauge              | 0.312 mm | 10 Gauge              | 3.175 mm  |
| 28 Gauge              | 0.397 mm | 8 Gauge               | 3.988 mm  |
| 26 Gauge              | 0.498 mm | 6 Gauge               | 5.032 mm  |
| 24 Gauge              | 0.629 mm | 4 Gauge               | 6.350 mm  |
| 22 Gauge              | 0.794 mm | 2 Gauge               | 7.993 mm  |
| 20 Gauge              | 0.996 mm | 1 Gauge               | 8.971 mm  |
| 18 Gauge              | 1.257 mm | 0 Gauge               | 10.070 mm |
| 16 Gauge              | 1.588 mm | 00 Gauge              | 11.310 mm |
| 14 Gauge              | 1.994 mm | 000 Gauge             | 12.700 mm |
| 12 Gauge              | 2.517 mm | 0000 Gauge            | 13.760 mm |