## CONSTRUCTION OF PUBLIC TOILET(PT) AT HALDIBARI HIGH SCHOOL(MALE)WARD NO-7

**CIVIL WORKS**

**TOILET SEATS 8 NOS URINAL 14 NOS**

**MODEL-B**

| SL.NO | Item Description & Item No. | Unit | QTY | Rate(Rs) | Ammount(Rs) |
|---|---|---|---|---|---|
| 1 | Earth work in excavation of foundation trenches or drains, in all sorts of soil (including mixed soil but excluding laterite or sandstone) including removing, spreading or stacking the spoils within a lead of 75 m. as directed. The item includes necessary trimming the sides of trenches, levelling, dressing and ramming the bottom, bailing out water as required complete.<br>(a) Depth of excavation not exceeding 1,500 mm. PWD Building Works schedule Page - 1, Item -2.a | % Cu.m | 31.260 | 11927.00 | **3728.38** |
| 2 | Earth work in filling in foundation trenches or plinth with good earth, in layers not exceeding 150 mm. including watering and ramming etc. layer by layer complete. (Payment to be made on the basis of measurement of finished quantity of work).<br>(a) With earth obtained from excavation of foundation. PWD Building Works schedule, Page - 1, Item -3.a | % Cu.m | **20.840** | 7754.00 | **1615.93** |
| 3 | (A) Filling in foundation or plinth by silver sand in layers not exceeding 150 mm as directed and consolidating the same by thorough saturation with water, ramming complete including the cost of supply of sand. (payment to be made on measurement of finished quantity)<br>PWD Building Works schedule, Page - 2, Item -4.a | % Cu.m | 35.990 | 52107.00 | **18753.31** |
| 4 | Single Brick Flat Soling of picked jhama bricks including ramming and dressing bed to proper level and filling joints with local sand. PWD Building Works schedule, Page- 14, Item - 1 ( Corri. Page-01, Date-04-06-2018) | Sqm | 100.070 | 324.00 | **32422.68** |
| 5 | Cement concrete with 30 mm down graded shingles excluding shuttering. With N. B. Varity (a)1:3:6 proportion. PWD Building Works schedule, Page -34, Item -22(ii), ( Corri. Page-09, Date-04-06-2018)<br>Rate Analysis1 ( Corri. Page-01, Date-04-06-2018) | Cum | 10.010 | 3260.93 | **32641.91** |
| 6 | Ordinary Cement concrete (mix 1:1.5:3) with graded stone chips (20 mm nominal size) excluding shuttering and reinforcement,if any, in ground floor as per relevant IS codes.<br>a) Pakur Variety /Chandil Variety<br>PWD Building Works schedule, p-26 Item 10 a (Rate Analysis) | Cum | 26.750 | 6101.55 | **163216.46** |
| 7 | 25mm. thick damp proof course with cement concrete with stone chips (1:1.5:3) [with graded stone aggregate 10 mm nominal size] and admixture of water proofing compound as per manufacturer's specification followed by two coat of polymer based paint, (1st coat after 4 to 5 days of concrete laying and 2 nd coat just before brick masonry work) as directed (cost of water proofing compound & polymer based paint to be paid separately).( Chequering not required over concrete or painted surface). [Note:<br>- Waterproofing as per item 9, polymer based paint as per item 8<br>(a) of subhead C of Section (C).<br>PWD Building Works schedule, Page -47, Item -1 (Rate Analysis) | Sqm | 6.520 | 318.33<br>~~214.47~~ | 2075.61<br>~~1398.32~~ |

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| 8 | 125 mm brick work with 1st classbricks in cement morter ( 1:4) in ground floor.<br>PWD Building Works schedule, Page -16, Item-16,cori page - 3, date -04.06.2018 (Rate Analysis) | Sqm | 58.420 | 666.25 | **38922.33** |
| 9 | Supplying and laying polythine sheet ( 150 gm/sq.m ) over dampproof course or beloe flooring or roof terracing or foundation or foundation trenches.<br>PWD Building Works schedule, Page -47, Item-3 | Sq.M. | 65.660 | 24.00 | **1575.84** |
| 10 | Hire and labour charges for shuttering with centering and necessary staging upto 4 m using approved stout props and thick hard wood planks of approved thickness with required bracing for concrete slabs, beams and columns, lintels curved or straight including fitting, fixing and striking out after completion of works (upto roof of ground floor)<br>(f) 25 mm to 30 mm shuttering without staging in foundation<br>PWD Building Works schedule, Page -42, Item- 36.f | Sq.M. | 70.710 | 205.00 | **14495.55** |
| 11 | Hire and labour charges for shuttering with centering and necessary staging upto 4 m using approved stout props and thick hard wood planks of approved thickness with required bracing for concrete slabs, beams and columns, lintels curved or straight including fitting, fixing and striking out after completion of works (upto roof of ground floor)<br>(a) 25 mm to 30 mm thick wooden shuttering as per decision & direction of Engineer-In-Charge.<br>PWD Building Works schedule, Page -42, Item- 36.a | Sqm | 82.500 | 328.00 | **27060.00** |
| 12 | Artificial stone in floor ,dado,staircaseetc with cement morter (1:2:4)with stone chips lsied in panels as directed with topping made with ordinary or white cement (as necessary) and marbel dust in proportion (1:2) in cluding smooth finishing and rounding off corners including raking out joints or roughening of concrete surface and application of cement slurry before flooring works using cement @ 1.75 kg/ sq.m all complete including all materials and labour.<br>In ground floor 3 mm thick topping using gray cement<br>(ii)25 mm<br>PWD Building Works schedule, p-48 Item 6(ii) | Sq.m | 238.060 | 262.37<br>~~261.31~~ | 62459.80<br>~~62207.46~~ |
| 13 | Reinforcement for reinforced concrete work in all sorts of structures including distribution bars, stirrups, binders etc initial straightening and removal of loose rust (if necessary), cutting to requisite length, hooking and bending to correct shape, placing in proper position and binding with 16 gauge black annealed wire at every intersection, complete as per drawing and direction. (a) For works in foundation and upto roof of ground floor/upto 4 m.<br>(i) Tor steel/Mild Steel , JSPL/SWAYN/ELETRO/STEEL<br>PWD Building Works schedule, Page - 43, Item - 40.a.i.1( Corri. 10th Page-01, Date-23-01-2020) (Rate Analysis) | M.T. | 2.519 | 58657.59 | **147758.47** |

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| 14 | Collapsible gate with 40 mm x 10 mm x 6 mm Tee as top and bottom guide rail , 20 mm x 10 mm x 2 mm vertical channels 100 mm apartin fullt stretched position 20m x 5 mm MS flats as collapsible bracings properly reveted and washered including 38 mm steel roller including locking arrangements , fitted and fixed in position with lugs set in cement concrete including cutting necessary hikes chasing etc in walls , floors etc and making good all damages .<br>PWD Building Works schedule, Page -106, Item- .18 | Sqm | 4.200 | 4351.00<br>~~4353.00~~ | 18274.20<br>~~18282.60~~ |
| 15 | Brick work with 1st class bricks in cement mortar (1:4)<br>(a) Foundation and plinth groung floor<br>PWD Building Works schedule, Page -15, Item-7.a (Rate Analysis) | Cu.m | 16.950 | 5101.79 | **86475.34** |
| 16 | Brick work with 1st class bricks in cement mortar (1:4)<br>(b) superstructure groung floor<br>PWD Building Works schedule, Page -15, Item-7.b (Rate Analysis) | Cu.m | 29.100 | 5324.79 | **154951.39** |
| 17 | Labour for Chipping of concrete surface before taking up Plastering work.<br>PWD Building Works schedule, P-192, It-1 | Sqm | 148.050 | 21.00 | **3109.05** |
| 18 | Plaster (to wall, floor, ceiling etc.) with sand and cement mortar including rounding off or chamfering corners as directed and raking out joints including throating, nosing and drip course, scaffolding/staging where necessary (Ground floor).[Excluding cost of chipping over concrete surface] (i) With 1:6 cement mortar<br>(c) 15 mm thick plaster<br>PWD Building Works schedule, P-189 It- No. 1 (Rate Analysis) | Sqm | 318.240 | 138.47<br>~~138.48~~ | 44069.69<br>~~44069.88~~ |
| 19 | Plaster (to wall, floor, ceiling etc.) with sand and cement mortar including rounding off or chamfering corners as directed and raking out joints including throating, nosing and drip course, scaffolding/staging where necessary (Ground floor).[Excluding cost of chipping over concrete surface] (ii) With 1:4 cement mortar<br>(c) 10 mm thick plaster<br>PWD Building Works schedule, P-189 It- No. 1 (ii)(c) (Rate Analysis) | Sqm | 55.2 | 123.48<br>~~123.46~~ | 6816.10<br>~~6814.99~~ |
| 20 | Neat cement punning about 1.5 mm thick in wall ,dado, window sills, floors etc . Note cement 0.152 m3/100 m2 | Sq.m | 17.88 | 32.71 | **584.85** |
| 21 | Supplying, fitting and fixing fibre reinforced polymer (FRP) Composite door frame as per approved section with glass fibre reinforced plastic moulded skins and a special sandwich core, so as to impart monolitaheic composite structure as per approved technology of Department of Science and Technology (DST) to safisfy IS: 4020 door testing performance criteria.. (i) 66mm x 90mm<br>PWD Building Works schedule, P-115, It - 3 (i) | Mtr | 64.350 | 497.00 | **31981.95** |
| 22 | Supplying, fitting & fixing fibre reinforced polymer (FRP) Composite door shutters as per approved design with glass fibre reinforced plastic moulded skins and a special sandwich core, so as to impart monolitaheic composite structure as per approved technology of Department of Science and Technology (DST) to satisfy IS:4020 door testing performance criteria. In ground floor. | Sqm | 16.350 | 2581.00 | **42199.35** |

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| 23 | Anodised aluminium barrel / tower / socket bolt (full covered) of approved manufactured from extruded section conforming to I.S. 204/74 fitted and fixed with cadmium plated screws . (vii) 225mm long x 10mm dia. bolt.<br>PWD Building Works schedule, P-144, It No. 26 (vii) | Each | 13.000 | 84.00 | **1092.00** |
| 24 | Iron butt hinges of approved quality fitted and fixed with steel screws, with ISI mark. (viii) 100mm X 75mm X 3.50mm.<br>PWD Building Works schedule, P-140, It No. -5 (viii) | Each | 39.000 | 66.00 | **2574.00** |
| 25 | Anodised aluminium decorative handle (hexagonal / fluted) of approed quality fitted and fixed complete.<br>(i) 150mm plate x 10mm dia rod x 12mm hexagonal/fluted.<br>PWD Building Works schedule, Page -146 . Item no-31,(i) | Each | 26.000 | 87.00 | **2262.00** |
| 26 | Iron hasp bolt of approved quality fitted and fixed complete (oxidised) with 16mm dia rod with concrete bolt and round fitting.<br>b) 250mm long.<br>PWD Building Works schedule, Page -141 . Item no-10 b) | Each | 13.000 | 159.00 | **2067.00** |
| 27 | Supplying and laying chequered tiles of any shede and of approved quality with (1:1.5:3) cement concrete laied in pannels or patterns as directed in pavement ,footpath etc including necessary underlay 25 mm thick (avg)cement morter (1:3) complete in all respect with all labour and materials .( Using cement slurry @4.4kg/sq.m at back side and @2.4 kg/sq.m for joint filling ). PWD Building Works schedule, Page -74 , Item no- 46(i) . 25 mm thick | Sqm | 10.54 | 467.00 | **4922.18** |
| 28 | Rendering the Surface of walls and ceiling with White Cement base WATER PROOF wall putty of approved make & brand.(1.5 mm thick) In Ground Floor<br>PWD Building Works schedule, PWD, P- 198, I - 5 | | | | |
| | Same as Item no18+19-20=(115.336+19.53-11.58) | Sqm | 355.560 | 122.00 | **43378.32** |
| 29 | Applying interrior grade Acrylic Primer of approved quality and brand on plastered and concrete surface old or new surface to receive Distemper Acrylic emulsion paint including scraping and prepairing the surface,thoroughly , complete as per manufacturer's specification and as per direction of the E-I-C ( Ground Floor ) ( b ) Two Coats<br>PWD Building Works schedule, Page -74 , Item no- 46(i) . | %Sqm | 115.590 | 4420.00<br>~~4422.00~~ | 5109.08<br>~~5111.39~~ |
| 30 | Dry Destempering interial walls or ceilling including cleaning, washing, smoothening surface (b) two coats<br>PWD Building Works schedule, Page -196 , Item no- 9(b) . | | | | |
| | Same quantity as above | Sqm | 115.590 | 49.00 | **5663.91** |
| 31 | Applying exterior grade Acrylic Primer of approved quality and brand on plastered or concrete surface old or new surface to receive Decorative Textured (Martt Finish) or Smooth Finish Acrylic exterior emulsion paint including scraping and prepairing the surface thoroughly , complete as per manufacturer's specification and as per direction of the EIC in Ground Floor (b) two coats.<br>PWD Building Works schedule, Page -196 , Item no- 8(b) | Sqm | 260.570 | 45.10 | **11751.71** |

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| 32 | Protective and Decorative Acrylic Exterior emulsion paint of approved quality, as per manufacturer's specification and as per dirction of EIC to be applied overf Acrylic primer as required. The rate includes cost of materials, labour, scaffolding and all incedental charges but excluding the cost of primer in ground floor (two coats)(a) normal acrylic emulsion.<br>PWD Building Works schedule, Page -197 , Item no- 17(a) | | | | |
| | Same quantity as above | Sqm | 260.570 | 67.00 | **17458.19** |
| 33 | (b) Priming one coat on timber or plastered surface with synthetic oil bound primer of approved quality including smoothening surfaces by sand papering etc.<br>PWD Building Works schedule, Page -200 . Item no- 1 (b) | Sqm | 6.350 | 38.00 | **241.30** |
| 34 | (A) Painting with best quality synthetic enamel paint of approved make and brand including smoothening surface by sand papering etc. including using of approved putty etc. on the surface, if necessary :<br>Page -<br>200 . Item no- 1 (b)<br>(a) On timber or plastered surface :<br>With super gloss (hi-gloss) -<br>(iv) Two coats (with any shade except white)<br>PWD Building Works schedule, Page -200 . Item no- | Sqm | 6.350 | 81.00 | **514.35** |
| 35 | (a) M.S.or W.I. Ornamental grill of approved design joints continuously welded with M.S, W.I. Flats and bars of windows, railing etc. fitted and fixed with necessary screws and lugs in ground floor..<br>(i) Grill weighing above 10 Kg./sq.mtr and up to 16 Kg./sq. mtr. PWD Building Works schedule, P-104 Item-13 A (i) (3rd Corrigendam Page No 91) | Qntl | 1.16 | 10021.00 | **11624.36** |
| 36 | a) Priming one coat on steel or other metal surface with synthetic oil bound primer of approved quality including smoothening surfaces by sand papering etc.<br>PWD Building Works schedule, P/200 Item-1(a) | Sqm | 13.550 | 29.00 | **392.95** |
| 37 | (A) Painting with best quality synthetic enamel paint of approved make and brand including smoothening surface by sand papering etc. including using of approved putty etc. on the surface, if necessary :<br>(b) On steel or other metal surface :<br>(iv) Two coats (with any shade except white)<br>PWD Building Works schedule, P-200 Item-2(b)(iv) | Sqm | 13.550 | 79.00 | **1070.45** |
| 38 | Supplying and laying true to line and level vitrified tiles of approved brand (size not less than 600 mm X 600 mm X 10 mm thick) in floor, skirting etc. set in 20 mm sand cement mortar (1:4) and 2 mm thick cement slurry back side of tiles using cement @ 2.91Kg./sqM or using polymerised adhesive (6 mm thick layer applied directly over finished artificial stone floor/Mosaic etc without any backing course) laid after application slurry using 1.75 Kg of cement per sqM below mortar only, joints grouted with admixture of white cement and colouring Pigment to match with colour of tiles / epoxy | Sqm | 52.350 | 1688.00 | **88366.80** |

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| 39 | Supplying, fitting & fixing 1st quality Ceramic tiles in walls and floors to match with the existing work & 4 nos. of key stones (10mm) fixed with araldite at the back of each tile & finishing the joints with white cement mixed with colouring oxide if required to match the colour of tiles including roughening of concrete surface, if necessary or by synthetic adhesive & grout materials etc.<br>B) Wall<br>Area of each tile above 0.09 Sq.m<br>ii) Other than Coloured decorative including white | Sqm | 164.340 | 1036.00 | **170256.24** |
| 40 | Supplying Fitting and Fixing Black Stone slab used in kitchen slab, alcove wardrobe etc. laid and joined with adhesive cement morter (1:2) including grinding or polishing as per direction of EIC in Ground Floor<br>(a) Slab thickness 20 - 25 mm<br>PWD S&P Schedule, page-53, item no -17 (a) | Sqm | 9.12 | 643.00 | **5864.16** |
| 41 | Supplying profiles of required section made of Aluminium Alloy Extrusions conforming to IS: 732-1983 and IS: 1285-1975; Annodized (with required film thickness and specified colour / natural) matt finished conforming to IS: 1868-1983 for fabrication of composit door, sliding & casement windows, partitions, formed of basic sections of any ISI embossed / certified make and brand as per direction of Engineer - In-Charge. (Payment will be made on finished length of the work).<br>(A) In 10-12 Micron thickness Annodizing film<br>I) Natural white h) Louvered window.<br>i) Top, bottom and side member.<br>PWD Building Works schedule,<br>PWD, P-233, I- 1(h) i | M | 27.300 | 183.00 | **4995.90** |
| 42 | ii) Louvered Section. | M | 15.600 | 658.00 | **10264.80** |
| 43 | iii) Cleat angle ( Non-annodized). | M | 20.800 | 263.00 | **5470.40** |
| 44 | Labour charge for fabrication and installation of composite door, window, partitions made from annodized extruded alloy aluminium<br>sections for the following units:- (A) Glazed aluminium sliding windows made of extruded and annodized alloy aluminium sectios, fabrications, including cutting to proper shape and size, drilling and aligning of window shutter frame fitted with in built locking arrangements, sliding rollers and other necessary fittings, fixture,<br>adhesives and joineries along with extruded neoprine or EPDM gasketing in between window frame and masonry work (walls, column, beam.lintels etc.) as well as between glass and shutter frame for fixing glass and Polysulphide sealant and in between shutter and window frame<br>where necessary including cutting to requisite size and fixing glass as per drawing, specification and direction of EIC.<br>The rate includes the hire charge of all tools and plants, including all incidental charges, adhesive, joineries such as screw, cleat angle etc. but<br>excluding the cost of extruded aluminium sections, glass, neoprene / EPDM gasket, locking arrangement and rollers.**Louvered Window** PWD Building Works schedule, P-239, I -2(v) | 4 | 3.510 | 730.00 | **2562.30** |

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| 45 | Supplying bubble free float glass of approved make and brand conforming to IS: 2835-1987.<br>iv) 5mm thick ccloured / tinted / smoke glass.<br>PWD Building Works schedule, P-243, I -9 | Sq.M. | 3.510 | 585.00 | **2053.35** |
| 46 | Painting block letters or digits in Black Japan or any approved paint as per direction.<br>e) Size above 7.5 cm. and upto 10 cm.<br>PWD Building Works schedule, P-268, It-17(e) | Each | 450 | 12.00 | **5400.00** |
| 47 | Supplying and planting of different plants / trees (supplying well grown plants bushy and healthy, minimum height as specified i.e. exposed height including all leads and lifts, carriage, handling, manuring applying pesticide and fertilizer etc.<br>i) Furcaria Veriegated 10 to 12 leaves in height 20-30 cm in earthen pot of size 25 cm | Each | 4 | 162.00 | **648.00** |
| 48 | x) Ficus blakii (F. Vivicon) well branched (Bushy) of height 120cm - 135 cm in earthen pot of size 30cm.<br>PWD Building Works schedule, Page -261, It- 9 (x) | Each | 3 | 187.00 | **561.00** |
| 49 | xxvi) Areca Palm 4 - 5 suckers of height 90 cm to 105 cm in earthen pots of size 25 cm.<br>PWD Building Works schedule, Page -261, It- 9 (xxvi) | Each | 3 | 127.00 | **381.00** |
| | SANITARY AND PLUMBING WORKS | | | | |
| 50 | 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.<br>a) With 'P' trap (with vent)<br>PWD S&P Schedule, page-79, item no -3 (a) | Each | 8 | 3104.00 | **24832.00** |
| 51 | Supplying, fitting and fixing Closet seat of approved make with lid and C.P. hinges, rubber buffer and brass screws complete<br>.(b) Anglo Indian<br>(i) Plastic (hallow type) White<br>PWD S&P Schedule, page-81,item no 10.b.i | Each | 5 | 485.00 | **2425.00** |
| 52 | 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<br>(ii) 470 mm X 280 mm X 340 mm<br>PWD S&P Schedule, page.80,item no-6/(ii) | Each | 3.6 | 945.00 | **3402.00** |
| 53 | Supplying fitting and fixing squating plate with integrated flushing in white vitreous set in cement concrete (6:3:1) with jhama chips complete. ( Payment of concrete will be paid seperately ) ( I ) 450 mm x 350 mm | each | 5 | 881.00 | **4405.00** |
| 54 | 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.<br>PWD S&P Schedule, Page No.-36 Item No.-2, | Nos | 8 | 1015.00 | **8120.00** |
| 55 | Supplying,fitting and fixing 32 mm dia. Flush Pipe of approved make with necessary fixing materials and clamps complete.<br>i) Polythene Flush Pipe<br>PWD S&P Schedule, Page no 81. Item no. 11(i) | Each | 14 | 155.00 | **2170.00** |
| 56 | Supplying, fitting and fixing urinal flush pipe fittings of approved brand.<br>(a) C.P. urinal flush pipe fittings range of one PWD S&P Schedule, S.P.81,item-12/a | Each | 10 | 414.00 | **4140.00** |

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| 57 | 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., mending good all damages and painting the brackets with two coats of approved paint.<br>(ii) 550 mm X 400 mm size<br>PWD S&P Schedule, P-41, It 2 (ii) | Each | 10 | 2208.00 | **22080.00** |
| 58 | Supplying fitting and fixing pedestal of approved make for wash basin ( White )<br>PWD S&P Schedule, P-41, It 3 | Each | 10 | 1497.00 | **14970.00** |
| 59 | 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.,<br>(iii) 600 mm long<br>PWD S&P Schedule, Page No.-43 Item No.-9-iii PWD, | Each | 10 | 107.00 | **1070.00** |
| 60 | Supplying,fitting and fixing approved brand 32 mm dia.P.V.C. waste pipe, with PVC coupling at one end fitted with necessary clamps.<br>(iv) 1050 mm long each<br>PWD S&P Schedule, Page No.-43 Item No. 10-iv | Each | 19 | 91.00 | **1729.00** |
| 61 | (f) Hand Shower(Health Faucet) with 1mtr Fexible Tube with Wall Hook(Equivalent to Code No.573 & Model -ALLIED of Jaquar or similar).<br>PWD S&P Schedule, Page No.-3 Item No.- 3 f, | Each | 8 | 1251.00 | **10008.00** |
| 62 | (a) (i) Chromium plated Bib Cock short body (Equivalent to Code No. 511 & Model - Tropical / Sumthing Special of ESSCO or similar brand).<br>PWD S&P Schedule, Page No.-6 Item No.-7-a-i | Each | 15 | 539.00 | **8085.00** |
| 63 | (b) (i) Chromium plated Stop Cock (Equivalent to Code No. 513(A) & 513(B) & Model - Tropical / Sumthing Special of ESSCO or similar<br>PWD S&P<br>Schedule, Page No.-6 Item No.-7-b-i | Each | 15 | 493.00 | **7395.00** |
| 64 | Chromium plated angular Stop Cock with wall flange (Equivalent to Code No. 5053 & Model - Florentine of Jaquar or similar brand). PWD S&P Schedule, Page No.-6 Item No.-7-d-i, | Each | 8 | 815.00 | **6520.00** |
| 65 | Supplying, fitting and fixing pillar cock of approved make.<br>a) (i) CP Pillar Cock - 15 mm. (Equivalent to Code No. 507 & Model<br>- Tropical / Sumthing Special of ESSCO or similar brand).<br>(P. No. - 45, Item. No. - 19(a)i, Pwd Sanitary Plumbing Schedule 2017) | Each | 8 | 555.00 | **4440.00** |

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| 66 | Supplying, fitting and fixing PVC pipes of approved make of Schedule 80 (medium duty) conforming to ASTMD - 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, longscrew, 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)<br>(a) For Exposed Work PVC Pipes, 25 mm<br>Page No.-12 Item No.-19-i(a), PWD,VOL-II , 2017-18 | Mtr | 45 | 177.00 | **7965.00** |
| 67 | (a) (a) For Exposed Work PVC Pipes, 15 mm<br>Page No.-12 Item No.-19-i(a), PWD,VOL-II , 2017-18 | Mtr | 20 | 101.00 | **2020.00** |
| 68 | (b) For Concealed Work PVC Pipes, 15 mm<br>Page No.-12 Item No.-19-i(b), PWD,VOL-II , 2017-18 | Mtr | 20 | 137.00 | **2740.00** |
| 69 | Supplying and fitting fixing of gunmetal wheel valve of approved brand and make tested to 21 Kg per sq. cm. 25 mm dia(E5)<br>PWD S&P Schedule, P-5 It-5,vii), | Each | 4 | 778.00 | **3112.00** |
| 70 | Supplying P.V.C. water storage tank of approved quality with closed top with lid (Black) - Multilayer<br>(b) 1000 litre capacity<br>PWD S&P Schedule, page.37,item no-6 (b) | Each | 2 | 5128.00 | **10256.00** |
| 71 | Labour for hoisting plastic water storage tank.<br>(i) Upto 1500 litre capacity.<br>(a) Upto 1st story from G.L.<br>PWD S&P Schedule, page.37,item no-10 (i)(a) | Each | 2 | 96.00 | **192.00** |
| 72 | Labour for punching hole in plastic water storage tank upto 50 mm dia.<br>PWD S&P Schedule, (P. No. - 38, Item. No. - 13 | Each | 4 | 19.00 | **76.00** |
| 73 | Supply of UPVC pipes (B Type) & fittings conforming to IS-13592- 1992.(A) (i) Single Socketed 3 Meter Length, (b) 110 mm<br>PWD S&P Schedule, Page No.-68 Item No. 23,(A)(i)(b) | Mtr | 50 | 292.00 | **14600.00** |
| 74 | (B) Fittings<br>(i) Coupler, (b) 110 mm | Each | 16 | 85.00 | **1360.00** |
| 75 | (ii) Plain Tee, (b) 110 mm | Each | 20 | 85.00 | **1700.00** |
| 76 | (iii) Door Tee, (b) 110 mm | Each | 10 | 195.00 | **1950.00** |
| 77 | ix) Bend 45°, (b) 110 mm | Each | 10 | 89.00 | **890.00** |
| 78 | xi) Door Bend (T.S.), (b) 110 mm | Each | 7 | 147.00 | **1029.00** |
| 79 | xvi) Pipe Clip, (b) 110 mm | Each | 30 | 21.00 | **630.00** |
| 80 | xvii) W.C. Connector (150 mm long) 125 X 110(W/WC Ring) 75 mm | Each | 10 | 142.00 | **1420.00** |
| 81 | xxxi) Plain Floor Trap with Top tile & Strainer 75 mm | Each | 14 | 144.00 | **2016.00** |
| 82 | L) Rubber Ring, (b) 110 mm | Each | 30 | 17.00 | **510.00** |
| 83 | C)Rubber Lubricant 500 ML | 500 ML | 1 | 187.00 | **187.00** |
| 84 | D)Solvent Cement 250 ML | 250 ML | 1 | 103.00 | **103.00** |

| | | | | | |
|---|---|---|---|---|---|
| 85 | 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 total pipeline including specials. (B) Under ground, (ii) 110 mm dia. PWD S&P Schedule, (P. - 74, Item. No. - 24 (B) | Mtr | 50 | 84.00 | **4200.00** |
| 86 | Supplying, fitting & fixing UPVC pipes A- Type and fittings conforming to IS:13592-1992 with all necessary clamps nails, including making holes in walls, floor etc. cutting trenches in any soil through masonry concrete structures etc if necessary and mending good damages including joining with jointing materails (Spun Yarn, Valamoid/Bitumen/M-Seal etc) complete.<br>A) UPVC Pipes: (i) 75 mm. Dia.<br>(P. - 212, Item. No. - 21 (A)(i) , (B),(c),(i) & (B), (d),(i), Pwd volume- i, 2017) | Mtr | 30 | 188.00 | **5640.00** |
| 87 | B) UPVC Fittings: c) Bend 87.5 degree (i) 75 mm. Dia. | Mtr | 6 | 95.00 | **570.00** |
| 88 | B) UPVC Fittings: d) Shoe (i) 75 mm. Dia. | Mtr | 2 | 78.00 | **156.00** |
| 89 | 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.<br>i) With Pakur variety (Other than SAIL/TATA/RINL).<br>PWD S&P Schedule, S.P.87,Item No-1/(i), 7th Corrigenda Volume ii | Each | 7 | 6450.00 | **45150.00** |

| | | | | | |
|---|---|---|---|---|---|
| 90 | 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 oyer 100 mm thick R.C.C(1:1.5:3) bottom slab including supplying, fitting and fixing all necessry specials, fittings,<br>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 fefilling 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.<br>(ii) For 20 users<br>A) With Pakur variety.<br>(JSW/JSPL/SHYAM/SRMB/ELECTROSTEEL/SSL) PWD S&P Schedule, S.P.88,Item No-3(ii)(A) 7th Corrigenda Volume ii | Each | 1 | 44519.00 | **44519.00** |
| 91 | 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<br>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.<br>manhole cover (heavy type)of approved make supplied, fitted and fixed in the cover slab with necessary fittings, making nacessary arrangements for pipe connections, excavation of well including shoring, dewatering and removing the exess earth from the premises as per direction complete in all respect with all costs of labour and materials. With 250 mm | Each | 1 | 15554.00 | **15554.00** |
| 92 | Supplying, fitting and fixing towel rail with two brackets.<br>(a) C.P. over brass<br>(ii) 25 mm dia. and 600 mm long<br>PWD S&P Schedule, p No 82 I No- 22 (a)(ii) | Each | 16 | 430.00 | **6880.00** |

| | | | | | |
|---|---|---|---|---|---|
| 93 | 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. (ii) 600 mm X 450 mm<br>PWD S&P Schedule, P-81, It-15(ii) | Each | 6 | 484.00 | 2904.00 |
| 94 | Supplying, fitting and fixing soap holder.<br>(b) Fibre glass<br>Sanitary and plumbing work schedule P-82, It-18(b) | Each | 10 | 58.00 | 580.00 |
| 95 | Supplying, fitting and fixing glass shelf with aluminium guard rails.<br>(a) Ordinary type with 5.5 mm sheet glass<br>(i) 450 mm X 125 mm<br>Sanitary and plumbing work schedule P-81, It-16(a)(i) | Each | 5 | 341.00 | 1705.00 |
| | | 16,48,535·84 | | | 1647619.10 |
| | Add S.G.S.T. @ | 1,48368·23 | | 9% | 148285.72 |
| | Add C.G.S.T. @ | 1,48,368·23 | | 9% | 148285.72 |
| | Cost Of Civil Work | 19,45,272·29 | | | 1944190.54 |
| | Add Labour Welfare Cess @ | 19,452·72 | | 1% | 19441.91 |
| | Total Amount Including L.abour Welfare Cess. | 19,64,725·01 | | | 1963632.44 |
| | Add Contengency @3% Excluding Labour Cess | 58358·17 | | | 58325.72 |
| | Total Amount Including L.W.C. and contengency | 20,23,083·18 | | | 2021958.16 |
| | Say Rs.Twenty Lakh Twenty One Tousand ~~Nine Hundred Fifty Eight~~ Only | Three Eighty three | | 20,23,083·00. | 2021958.00 |

21.02.25
Junior Engineer
Jalpaiguri Division M.E.Dte.

21/02/25
Assistant Engineer
Jalpaiguri Division M.E. Dte.

Chairman
Haldibari Municipality

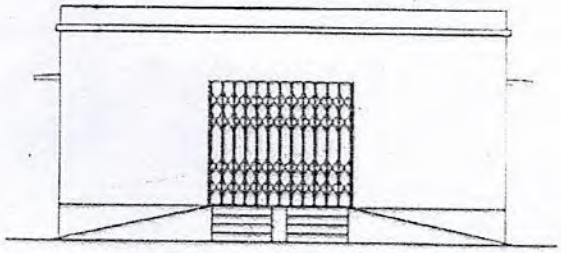
Sub-Assistant Engineer
Haldibari Municipality
Haldibari, Cooch Behar

21/02/25
Executive Engineer
Jalpaiguri Division M.E. Dte

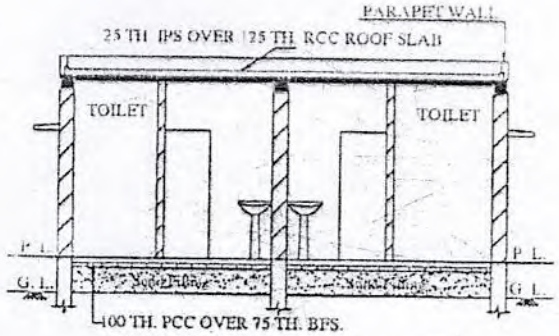
# MODLE DRAWING FOR CONSTRUCTION OF C. T./ P.T.

Toilet Seats -8 Nos, Urinal 14 nos

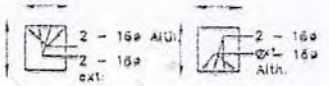
MODLE NO.- B

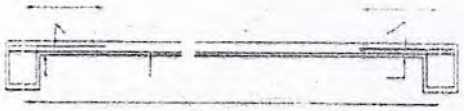


FRONT ELEVATION



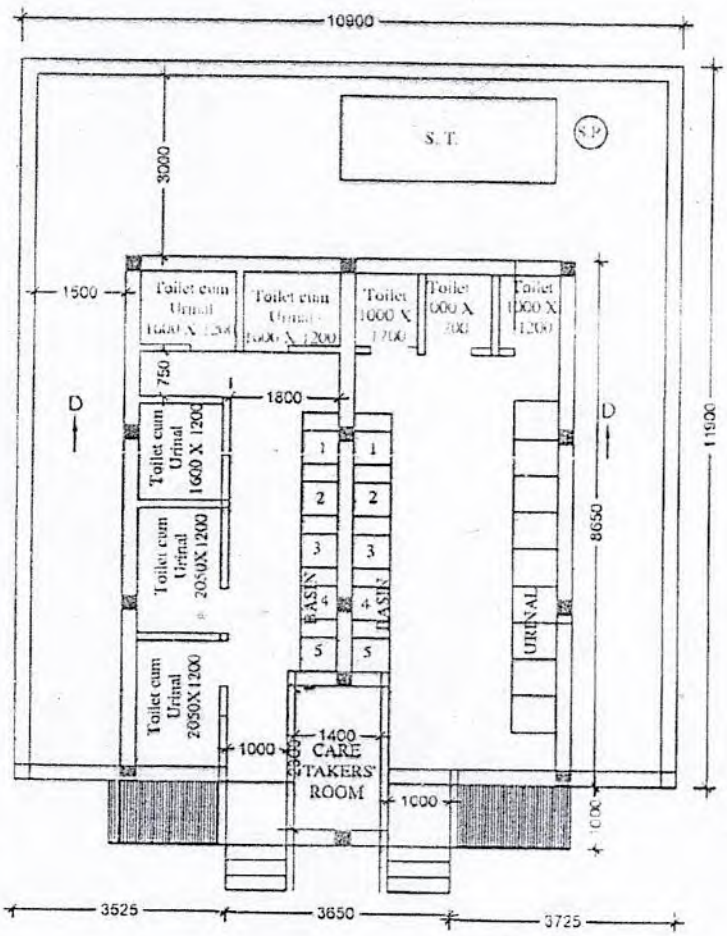

SECTION – 'B – B'

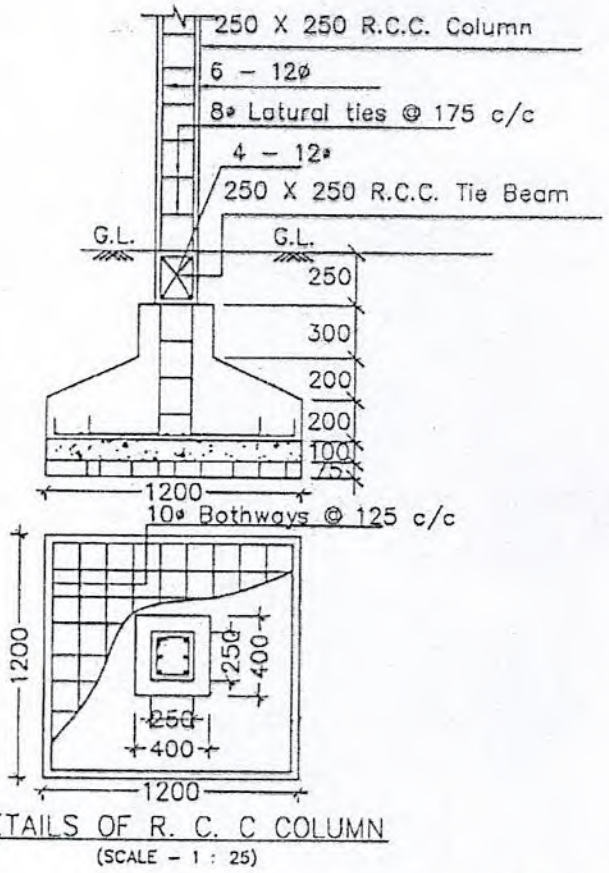


Details Of R.C.C Roof Slab & Beam

(SCALE – 1 : 25)




DETAILS OF R. C. C COLUMN

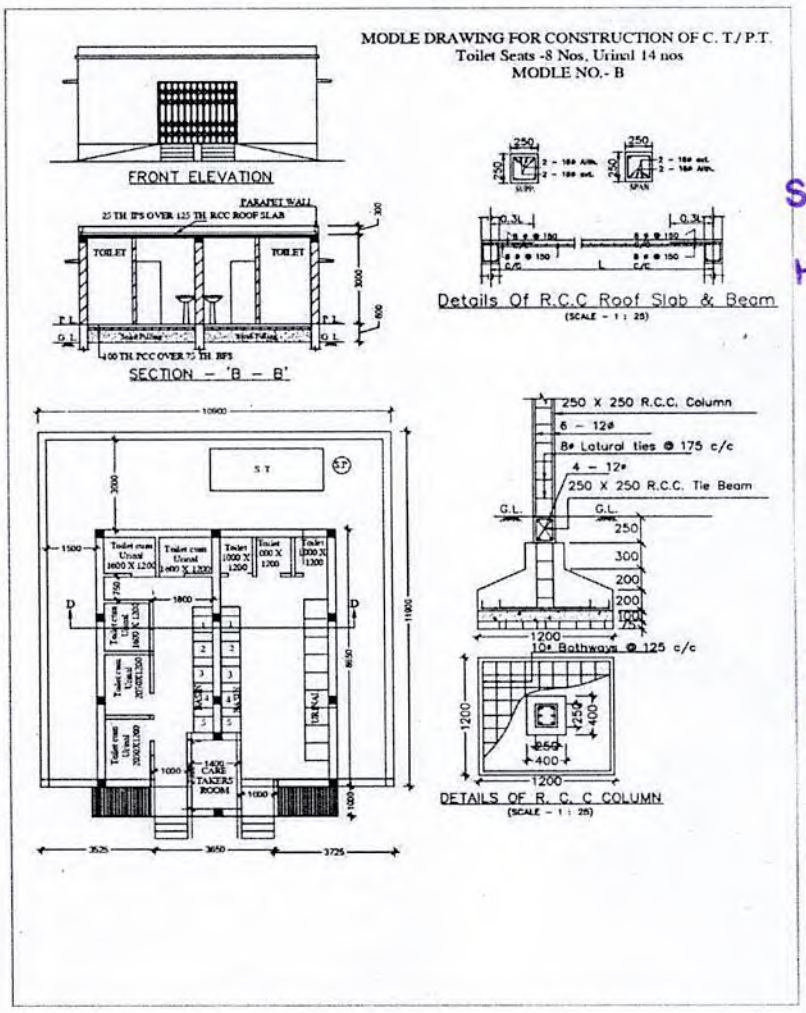
(SCALE – 1 : 25)

Checked & Verified

Engineer (Civil)

Hijli INSPIRATION

HIJLI INSPIRATION Salt Lake City Kolkata 700106




Sub-Assistant Engineer
Haldibari Municipality
Haldibari, Cooch Behar

Chairman
Haldibari Municipality

Construction of public toilet (PT) at Haldibari High School (Male), Ward-7