

CHHOTA UDAIPUR MUNICIPALITY, CHHOTA UDAIPUR

**NAME OF WORK :- ESTIMATE FOR CONSTRUCTION WORK OF TOILET BLOCK 1)FATEPURA WATER WORK
2)NEAR GURUKRUPA 3)ALIRAJPUR NAKA HOTEL AT CHHOTAUDAIPUR. (03 Nos)**

SCHEDULE-B1

| Item No. | Qty. | Description | Total Rate | Unit | Amount |
|-----------------|--------------|--|-------------------|-------------|---------------|
| 1 | 7.60 Cmt. | Excavation for base footings upto depth 1.5 m. including sorting out and disposing of the excavated material upto 50 m lead (loose or soft soil) | 120.01 | Cmt. | 912.06 |
| 2 | 6.40 Cmt. | Filling available excavated earth (excluding rock) in trenches. plinth, sides of foundations etc. in layers not exceeding 20 cm. in depth consolidating each disposed layer by ramming and watering. | 133.65 | Cmt. | 855.38 |
| 3 | 4.90 Cmt. | Filling in foundation and plinth with murrum or selected soil in layers of 20cm thickness including watering, ramming and consolidating etc. complete. | 296.29 | Cmt. | 1451.84 |
| 4 | 3.40 Smt. | Carrying out plinth treatment to post construction/existing structure by spraying chemical solution for termite control treatment including labour and material consistment with I.S.I specification. Using Chlordene and chiorpurfiles 20 EC. As per 6131_paret-II consteration weight one percent is recommended i.e. one litre 20 EC chemical emulsion with 19 liter give 1% concentration inclusive of one litre chemical emulsion application at the rate of 5 litre chemical/sqm of surface as recommended as per I.S. | 98.82 | Smt. | 335.98 |
| 5 | 4.70 Cmt. | Providing and laying cement concrete (1:4:8) (1 Cement, 4 Coarse sand, 8 Crushed stone agreeegate 40 mm nominal) and curing complete excluding cost of formwork in foundation and plinth. | 2747.21 | Cmt. | 12911.89 |
| 6 | | Providing and laying controlled cement concrete M-200 and curing complete including the cost of formwork and excluding the cost of reinforcement of reinforced concrete work in | | | |
| A | 0.20 Cmt. | -- do -- for Coping | 6218.57 | Cmt. | 1243.71 |
| B | 0.50 Cmt. | -- do -- for R.C.C. Slab | 6635.70 | Cmt. | 3317.85 |

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| 7 | 49.00 Kgs. | T.M.T. Bars Providing T.M.T. Bar Fe 500 / 500-D reinforcement for R.C.C.work including bending, binding and placing in position complete upto floor two level.(upto 10 ton) | 77.29 | Kg. | 3786.97 |
| 8 | 0.30 Cmt. | Brick work using common burnt building bricks having crushing strngth not less than 35 Kg./cm2 in super structure for Ground Floor in C.M. (1:6) (1 Cement, 6 fine sand) racking out joints curring etc. complete directed by Engineer-in-charge. | 4121.55 | Cmt. | 1236.46 |
| 9 | 2.90 Cmt. | Brick work using common burnt building bricks having crushing strngth not less than 35 Kg./cm2 in super structure for Ground Floor in C.M. (1:6) (1 Cement, 6 fine sand) racking out joints curring etc. complete directed by Engineer-in-charge. | 4396.56 | Cmt. | 12750.02 |
| 10 | 2.20 Smt. | Providing and fixing FRP frame size 125 x 65 mm and 35 mm thick FRP shutter with wood grain raised panneled design finish shutter having extra reinforcement on side & edges in Gel coat finish. The core of the shutter & frame is to be filed up with injected polyurethane foam done in situ alongwith embedded wooden pieces for stiffening & also taking hinges & fintures. The whole FRP frame & Shutter is to be water proof weather proof, termite proof & resistance to mild acid/alkhli. Rates are to be inclusive of S.S.hinges with fastener Sleeve & alluminium fixtures & fastenings. | 2019.98 | Smt. | 4443.96 |
| 11 | 0.40 Smt. | Providing and fixing glazed louverd glass windows and ventilators with teakwood frame 10cm x 7cm size including the cost of oil painting to wood work etc. complete.(A)C.M 1:3 | 4202.12 | Smt. | 1680.85 |
| 12 | 8.00 Kgs. | Providing and fixing M. S. grills of requiried pattern to wooden frames of window etc. with M. S. flats at requiried spacings and frame alround square or round bars with round headed bolts and nuts or by screws. (B) Plain Grills | 105.18 | Kg. | 841.45 |
| 13 | 39.10 Smt. | Providing 15 mm. thick cement plaster in single coat on Rough (similar) side of single or half brick walls for interior plastering upto floor two level and finished even and smooth in. (II) cement mortar 1 : 4 (1 cement : 4 sand) Extra over item 58 to 64 for finishing with a floating coat of neat cement slurry. (upto 10 ton) | 220.61 | Smt. | 8626.02 |

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| 14 | 2.20 Smt. | Providing 10 mm. thick cement plaster in single coat on brick/concrete walls for interior plastering up to floor two level and finished even and smooth in. (II) cement mortar 1 : 4 (1 cement:4 sand) Extra over item 58 to 64 for finishing with a floating coat of neat cement slurry. (upto 10 ton) Extra over items 58 to 71 for plastering on ceilings and soffits of stairs upto floor two level instead of plastering on walls. | 203.98 | Smt. | 448.76 |
| 15 | 20.70 Smt. | Providing and Laying 20 mm thick sand face cement plaster on Walls upto height of 10 mts. Above ground level consisting of 12mm thicjk backing coat of C.M 1:3 (1 Cement, 3 Sand) and 8 mm thick finishing coat of C.M 1:1 (1 Cement, 1 Sand) etc. complete. | 337.52 | Smt. | 6986.70 |
| 16 | 41.30 Smt. | Distempering (Three Coat) with oil bound washable distemper of approved brand and manufacture and of required shade on wall surfaces to give and even shade over and including a primer coat with alkali resistance primer of approved brand after thoroughly brushing the surface to give and even shade free from foreign matter and also including preparing the surface even and smooth. | 101.75 | Smt. | 4202.17 |
| 17 | 20.70 Smt. | Finishing wall with Weather Proof Acrylic Emulsion Exterior Paint on wall surface (three coat) to give and even shade and of approved brand and manufacture including thoroughly brooming and brushing the surface to remove all dirts, and remians of loose powdered material. | 117.40 | Smt. | 2430.23 |
| 18 | 3.20 Smt. | Providing & Laying 24 "x 24" vitrified 8 mm thick tile flooring over 20 mm (average) base of cement mortar 1:6 (1: cement : 6 coarse sand) on new surface or fixing on existing flooring by adhesive material including dismentaling of existing flooring and jointed with color cement slurry including finised with flush pointing & cleaning the surface etc. complete for antiskit . (upto 10 ton) | 1432.78 | Smt. | 4584.88 |
| 19 | 1.50 Smt | Providing and laying white glazed tiles 6mm thick in flooring, treads of steps and landing laid on a bed of 12mm thick cement mortar 1:3 (1 Cement : 3 Coarse Sand) finished with flush pointing in white cement. | 939.18 | Smt. | 1408.77 |
| 20 | 9.70 Smt | Providing and laying white glazed tiles 6mm thick in skitring risers of steps and dado on 10mm thick cement plaster 1:3 (1 cement : 3 coarse sand) and pointing in white cement jointed with white cement slurry. | 970.17 | Smt. | 9410.61 |

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| 21 | 3.70 Smt | Providing and laying polished Granite tiles 18 mm thick in risers of steps, skirting Dedo and pillars laid on 10 mm thick cement mortar 1 : 3 (1 cement : 3 course sand) and jointed with gray cement slurry mixed with pigment to match the shade of slab including rubbing, polishing, Moulding etc. complete. For Doors & Windows Edges. | 1631.15 | Smt. | 6035.26 |
| 22 | 6.40 Smt | Providing and laying broken china mosaic flooring for terrace using 12mm to 20mm broken pieces of glazed tiles to be laid over cement mortar 1:3 to plain or slope and to be tempered to bring mortar crème out upto surface using white cement including rounding off junctions and extending them upto 15cm along the wall, clearing with water and oxalic acid. etc. as directed. | 765.97 | Smt. | 4902.23 |
| 23 | 3.00 Rmt. | Providing, Supplying, Lowering and Laying in standard length ISI mark rigid unplasticised PVC pipes suitable for potable water with ring fit joint including cost of rings, as per IS Specification no. 4985/1988 including all local and central taxes, transportation, freight charges, octroi, inspection charges, loading, unloading, conveyance to the departmental stores and including cost of jointing material etc. complete.75 MM | 110.41 | Rmt. | 331.24 |
| 24 | 1.00 Nos. | Plumbing Providing and fixing wash down water closet European type W.C. Pan with integral "P" or "S" trap and PVC flushing cistern with a pair of C.L.I. or Mild Steel Brackets, complete with fittings such as lead value siphon, 15mm nominal size brass ball valve with polythene float, C.P. Brass handle unions and couplings for connections with inlet, outlet and over flow pipes, 40 mm dia flush bend including cutting holes in walls and making good the same connecting the flush bend with cistern and closet etc. comp. incl plastic sheet cover including jointing trap with pipe in C.M. 1:1 (Cement : 1 fine sand) (a) Viterous China - (i) In White Color. | 1976.57 | Nos. | 1976.57 |
| 25 | 1.00 Nos. | Providing and fixing G.I. Inlet Connection for flush pipe with W.C. Pan. | 39.78 | Nos. | 39.78 |
| 26 | 2.00 Nos. | Providing and fixing 430mm x 260mm x 350mm size white earthen ware flat back or corner type urinal of approved quality including. Connections the urinal with waste pipe, stop tap etc. complete. | 1268.56 | Nos. | 2537.12 |
| 27 | 6.00 Nos. | Providing and fixing screw down bib tap of following size (A) Brass screw bib tap polished bright - 15mm | 186.83 | Nos. | 1120.98 |

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| 28 | 2.00 Nos. | Providing and fixing gun metal chek or non return fullway wheel valve. (A) 15 mm Dia. | 186.83 | Nos. | 373.66 |
| 29 | 4.00 Nos. | Providing and fixing 100 mm dia sand cast iron grating for gully, floor or nanhi trap. | 36.98 | Nos. | 147.90 |
| 30 | 4.00 Nos. | Providing and fixing Cast Iron (Spun nahni trap of the 100mm. Inlet and 50mm. Dia outlet having self cleaning design with C. I. Screwed down or hinged grating and stainless steel jali at F.F.I. Including cost of making cuts in walls slab floor etc. and making them as per original testing etc. complete as directed by Engineer-in-charge. | 631.02 | Nos. | 2524.07 |
| 31 | 4.00 Nos. | Providing and fixing S.W. gully trap with C.I. grating brick masonry chamber and water tight C.I. cover with frame of 300mm x 300mm size (inside) with standard weight.(i) Square mouth traps.(B) 150mm x 100mm size P or R type | 1246.92 | Nos. | 4987.66 |
| 32 | 1.00 Nos. | Providing, laying and constructing brick masonry chamber for underground C. I. Inspection Chamber and bends with bricks having crushing strength not less than 35Kg./Cm ² on C. M. (1:5) (1 cement, 5 Sand) C. I. Cover with frame (light duty) of 455mm x 610mm internal dimension total weight of cover with frame to be not less than 38.00 Kgs. (Wt. of Cover 38 Kgs. and wt. of Frame 15 Kgs.) with R.C.C. top slab with 1:2:4 (1 cement, 2 Coarse sand, 4 graded stone (Kapachi)) foundation concrete 1:5:10 (1 cement, 5 Coarse sand, 10 brick bats of 40mm nominal size) inside plaster 15mm. thick with C. M. 1:3 (1 cement, 3 Coarse sand) finished smooth with a floating coat of neat cement slurry on walls and bed concrete including curing etc. complete as directed by Engineer-in-charge. | | | |
| | | Inside dimensions 455mmx 610mm and 450mm deep for single pipe line. | 2932.93 | Nos. | 2932.93 |
| 33 | 25.00 Rmt. | Providing laying and jointing in true line and level 25mm dia. U.P.V.C. Pipe (SCH- 40) for cold water including fittings as approved by Engineer In Charge. Pipe shall be fixed on the wall with the help of clamp at every two metre C/C or shall be concealed as directed including necessary fittings etc. including testing of pipe and joints and fixing the same with adhesive solvent, including cost of all materials. | 91.84 | Rmt. | 2295.98 |

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| 34 | 30.00 Rmt. | Providing, laying and jointing in true line and level 15 mm dia U.P.V.C. Pipe (SCH-40) for cold water including fittings make as Prince/ supreme/ astral/ finolex or equivalent as approved by Engineer In Charge. Pipe shall be fixed on the wall with the help of clamp at every two meter c/c. or shall be concealed as directed including necessary fittings etc. including testing of pipe and joints and fixing the same with adhesive solvent, including cost of all materials. | 72.65 | Rmt. | 2179.48 |
| 35 | 10.00 Rmt. | Providing and fixing to wall ceiling and floor 10.0 kgf/cm ² working pressure poluthene pipes of the following outside dia. low density, complete with special flange compression type fittings, wall clips etc. including making good the wall ceiling and floor. (75mm) | 280.23 | Rmt. | 2802.35 |
| 36 | 500.00 Ltr. | Providing erecting and fixing double coated syntex PVC ISI or equivalent PVC (ISI) mark water tank of required capacity each with all necessary fittings & connection etc. complete on terrace | 3.95 | Ltr. | 1974.55 |
| 37 | 1.00 Nos. | Providing and fixing white vitreous china flat back wash basin of 550mm x 400mm size with single hole for pillar tap with C.I. or M.S. brackets painted white including cutting holes and making good the same. Rates including providing and fixing 32mm dia C.P. Brass waste couplin, 32mm dia M.I. Fisher unit, Brass screw down stop tap of 15mm dia pillar tap capstan head, screw down high pressure with screws, shanks, back nuts, PVC pipe & 32mm dia flexible waste pipe up to Nani Trap etc. complete as directed by engineer in charge. | 2078.58 | Nos. | 2078.58 |

Total, Rs. 123106.91

Add :- 2 % for Electrification, Rs. 2462.14

Total, Rs. 125569.05

Add :- 18% of GST, Rs. 22602.43

Add :- 1% of Quality Controll, Rs. 1255.69

Add :- 2% of Contingency Charges, Rs. 2511.38

Total, Rs. 151938.54

Say, Rs. 152000.00

Total 03 Nos, Rs. 456000.00