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**MUNICIPAL CORPORATION BHILAI  
NIT**

कार्य का नाम :- वार्ड क्रमांक 33 विवेकानंद नगर संतोषी पारा केम्प 02 हरिसंघ मंदिर  
के पास प्रसाधन कक्ष व अन्य आवश्यक कार्य।

Based on PWD/SOR 1-01-2015 (building works) Electrification Work 1.6.2020

Item No.	Particulars of Item	Qty.	Unit
1	2	3	4
1	Excavation for all types and sizes of foundations, trenches and drains or for any other purpose including disposal of excavated stuff upto 1.5 m lift and lead upto 50m (at least 5m away from the excavated area), including dressing and leveling of pits. In all types of soils.	35.64	m <sup>3</sup>
2	Providing and laying nominal mix plain cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work. 1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate 40mm nominal size).	7.32	m <sup>3</sup>
3	Providing and filling in plinth with sand/ Crusher dust and hard moorum under floor in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering, including dressing etc. complete.	26.00	m <sup>3</sup>
4	Providing and laying nominal mix reinforced cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work. 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).	6.90	m <sup>3</sup>
5	Providing and laying nominal mix reinforced cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work. 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).	6.95	m <sup>3</sup>
6	Providing & placing in position cold twisted and hot rolled deformed steel reinforcement for RCC work l/c cutting, bending etc. complete as per drawing l/c cost of binding wire and l/c all wastage	1385.28	kg
7	Brick work with modular fly-ash lime bricks (FaLG Bricks) confirming to IS:12894-2002 of class designation 4.0 in foundation and plinth in: Cement Mortar 1:6 (1 cement : 6 coarse sand) SOR Item No 7.5.4	16.80	m <sup>3</sup>
8	Brick work with modular fly-ash lime bricks (FaLG Bricks) confirming to IS:12894-2002 of class designation 4.0 in foundation and plinth in: Cement Mortar 1:6 (1 cement : 6 coarse sand) SOR Item No 7.5.4	18.24	m <sup>3</sup>
9	Providing & fixing of form work l/c centering, shuttering, strutting, staging, Proping bracing etc. complete & removal upto 4 m height	7.68	sqm
10	Columns, Pillars, Piers and likes- rectangular or square in shape	24.96	m <sup>2</sup>
11	Beams, lintels, cantilevers & walls	48.00	m <sup>2</sup>
12	Weather shade, chhajja, Cornices and mouldings	13.50	m <sup>2</sup>
13	Providing and making 6mm thick cement plaster of mix: In Cement mortar 1:4 (1 cement : 4 fine sand)	32.50	m <sup>2</sup>

Item No.	Particulars of Item	Qty.	Unit
1	2	3	4
14	Providing and making 12mm thick cement plaster of mix In Cement Mortar 1:6 (1 cement : 6 fine sand)	96.00	m <sup>2</sup>
15	Providing and making 15mm thick cement plaster on the rough side of single or half brick wall of mix:In Cement Mortar 1:6 (1 cement : 6 fine sand)	93.60	m <sup>2</sup>
16	Painting exterior surface with PREMIUM ACRYLIC SMOOTH exterior paint of required shade as per manufacturer's specifications to give protective and decorative finish including cleaning washing of surface etc. complete with: On new work (Two or more coats applied @ 1.43 ltr/ 10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/ 10 sqm) As Per Plaster	93.60	Sqm
17	Providing and applying 2mm thick ready mix exterior grade approved make putty (like Birla wall care, Alltek Superfine W/R of (NCL), Asian, ICI, Nerolac, J.K. wall putty) on walls to make the surface smooth and even. As Per Plaster	128.50	sqm
18	Painting on new work (two or more coats) to give an even shade with: Satin synthetic enamel paint. SOR Item No 14.22.1	24.93	m <sup>2</sup>
19	Providing and laying vitrified floor tiles with soluble salt printing, of size 600x600mm with water absorption less than 0.5% and conforming to IS: 15622 of approved make, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand) including grouting the joints with white cement and matching pigments etc. complete.	30.00	Sqm
20	Providing and fixing ceramic glazed wall tiles conforming to IS : 15622 of approved make, colours, shades and size on wall and dados over 12mm thick bed of cement Mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm including pointing in white cement mixed with matching pigment complete. Size above 200x300mm	10.00	Sqm
21	Providing and fixing steel door/ window with M.S. sheet 1mm thick, frame of angle iron, diagonal braces of angle/ flat iron of suitable size, 3.00 mm M.S. gusset plates at junctions and corners, all necessary fittings complete including applying a priming coat of red oxide zinc chromate primer. SOR Item No .9.13	322.00	kg
22	Providing and fixing M.S. grill of approved pattern made of M.S. flats square or round bars welded to steel frame of windows etc. including applying a priming coat welded to frame with all necessary fitting complete including applying a priming of red oxide zinc chromate primer. SOR Item No 9.15	150.00	KG
23	Providing and fixing in position collapsible steel shutters with vertical channels 20x10x2mm and braced with flat iron diagonals 20x5mm size with top and bottom rails of T-iron 40x40x6mm with 38mm steel pulleys complete with bolts, nuts, locking arrangement stoppers, handles including applying a priming coat of red oxide zinc chromate primer.	4.20	Sqm
24	Providing and fixing ceramic glazed wall tiles conforming to IS : 15622 of approved make, colours, shades and size on wall and dados over 12 mm thick bed of cement Mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm including pointing in white cement mixed with matching pigment complete. Size 300x300mm	14.40	Sqm

Item No.	Particulars of Item	Qty.	Unit
1	2	3	4
26	Providing and fixing water closet squatting pan (Indian type WC Pan) 100mm sand cast Iron P or S trap, 10liter low level PVC Flushing cistern (Same colour) conforming to IS : 7231, with flush bend and other fittings and fixtures complete including cutting and making good the walls and floors wherever required : White Orissa pattern W.C. pan of size 580x440 mm (Page-160, Item- 18.1.3) @ ` .2899.00/each	2.00	Each
27	Providing and fixing white vitreous china urinal basin with waste fitting as per IS : 2556, and other couplings in C.P. brass complete: Flat back type urinal of size 460x380x250mm (Page-162, Item-18.13.2) @ ` .1529.00/each	2.00	Each
28	Providing and fixing one piece construction white vitreous china squatting plate urinal with an integral rim longitudinal flushing pipe. (Page-162, Item- 18.16) @ ` .1401.70/each	2.00	Each
29	Providing and fixing vitreous china wash basin with C.I. brackets, 32 mm C.P. brass waste of standard pattern, including painting of brackets, cutting and making good the walls wherever required : White Size 550x450mm (Page-162, Item- 18.17.1) @ ` .1430.00/each	2.00	1430.00
30	Providing and fixing on wall face or under floor UV stabilized Unplasticised Rigid PVC pipes (single socketed) having 3.2mm wall thickness conforming to IS:13592 (4kg/sqcm) including required couplers, jointing with seal ring conforming to IS : 5382 leaving 10mm gap for thermal expansion.etc. complete: 75mm dia pipe. (Page-170, Item- 18.76.1) @ ` .182.00/metre	3.00	Meter
31	Providing and fixing on wall face or under floor UV stabilized Unplasticised Rigid PVC pipes (single socketed) having 3.2mm wall thickness conforming to IS : 13592 (4kg/sqcm) including required couplers, jointing with seal ring conforming to IS : 5382 leaving 10mm gap for thermal expansion.etc. complet : 110mm dia pipe. (Page-170, Item- 18.76.2) @ ` .267.00/metre	6.00	Meter
32	Providing and fixing on wall face UV stabilized Unplasticised - PVC moulded fittings/ accessories having 3.2mm wall thickness for Rigid PVC pipes conforming to IS : 13592 (heavy) jointing with seal ring conforming to IS : 5382 leaving 10mm gap for thermal expansion. Tee/Tee with door/bend 450 /bend 900 75mm (Page-170, Item- 18.77.1.1) @ ` .113.00/each	2.00	Meter
33	Providing and fixing on wall face UV stabilized Unplasticised - PVC moulded fittings/ accessories having 3.2mm wall thickness for Rigid PVC pipes conforming to IS : 13592 (heavy) jointing with seal ring conforming to IS : 5382 leaving 10mm gap for thermal expansion. Tee/Tee with door/bend 450 /bend 900 110 mm (Page-170, Item- 18.77.1.3) @ ` .273.00/each	2.00	Meter

Item No.	Particulars of Item	Qty.	Unit
1	2	3	4
34	Providing and fixing on wall face UV stabilized Unplasticised - PVC moulded fittings/ accessories having 3.2mm wall thickness for Rigid PVC pipes conforming to IS : 13592 (heavy) jointing with seal ring conforming to IS : 5382 leaving 10mm gap for thermal expansion. Vent cover 75mm. (Page-170, Item-18.77.3.1) @ ` .34.00/each	1.00	Meter
35	Providing and fixing on wall face UV stabilized Unplasticised - PVC moulded fittings/ accessories having 3.2mm wall thickness for Rigid PVC pipes conforming to IS : 13592 (heavy) jointing with seal ring conforming to IS : 5382 leaving 10mm gap for thermal expansion. Nahani trap 110x75mm. (Page-171, Item- 18.77.6) @ ` .90.50/each	8.00	Meter
36	Providing and fixing on wall surface G.I. pipes medium class complete with G.I. fittings and clamps, including cutting, making good the walls etc. and testing of joints complete: 20 mm dia. nominal bore (Page-177 Item-19.7.2) @ ` .185.00/m.	15.00	Meter
37	Providing and fixing on wall surface G.I. pipes medium class complete with G.I. fittings and clamps, including cutting, making good the walls etc. and testing of joints complete: 15mm dia. nominal bore (Page-177 Item-19.7.1) @ ` .149.00/m.	15.00	Meter
38	Providing and fixing 15 mm nominal bore Brass bib/stop cock of approved quality : Bib cock (350grams) (Page-178 Item- 19.13.2) @ ` .237.00/each	4.00	Each
39	Providing, laying and jointing glazed stoneware pipes grade 'A' with stiff mixture of cement mortar in the proportion of 1:1 (1 cement: 1fine sand) including testing of joints etc. complete : 100mm diameter (Page- 189, Item-20.1.1) @ ` .162.00/metre	10.00	Meter
40	Providing, Laying and Jointing glazed stoneware pipes grade 'A' with stiff mixture of cement mortar in the proportion of 1:1 (1 cement : 1fine sand) i/c testing of joints etc. complete. 150 mm diameter (Page- 189, Item-20.1.2) @ ` .262.00/metre	3.00	Meter
41	Providing and constructing brick masonry road gully chamber 50x45x60cm with well burnt modular clay bricks crushing strength not less than 35kg/cm <sup>2</sup> in cement mortar 1:4 including 500x450 mm precast R.C.C. horizontal grating with frame complete as per standard design : (Page-194, Item- 20.25) @ ` .2872.00/each	3.00	Each
42	Providing and constructing soak pit 1.20x1.20x1.20m filled with brickbats including S.W. drain pipe 100 mm diameter and 1.20 m long complete as per standard design.(Page-195, Item-20.31) @1709.00/each	1.00	Each
43	Add Extra For Electrification work as per SOR	1.00	Job

कार्यपालन अभियन्ता  
नगर पालिक निगम, मिलालई

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