

MUNICIPAL CORPORATION BHILAI (C.G.)

NIT

कार्य का नाम :- वार्ड-13 शास.उच्च.मा. शाला कोहका में संधारण कार्य।


Pwd Building Sor 01.01.2015 & Electric Sor 01.06.2020


S.No.	Description and details of work	Qty.	Unit
1	Dismantling lime/ cement plaster or skirting at any height raking out joints and cleaning the surface for plaster including disposal of rubbish within 50 metres lead.	578.24	Sqm
2	Demolishing brick masonry including arches, stacking of serviceable material disposal of unserviceable material within 50 metres lead. In cement mortar.	1.20	Cum
3	Dismantling terrazzo or mosaic or glazed vitreous or patent cement or tiled flooring or dado skirting of any thickness without sub base.	148.50	Sqm
4	Dismantling doors chowkhats with shutters (steel or wood) including architrave, hold fast etc. complete and stacking within 50 metres lead.	4.00	Each
5	Dismantling windows chowkhats with shutters (steel or wood) including architrave, hold fast etc. complete and stacking within 50 metres lead.	10.00	Each
6	Providing and making 6mm thick cement plaster of mix: In Cement mortar 1:3 (1 cement : 3 fine sand)	30.00	Sqm
7	Providing and making 12mm thick cement plaster of mix: In Cement mortar 1:5 (1 cement : 5 fine sand)	578.24	Sqm
8	Brick work with modular fly-ash lime bricks (FaLG Bricks) conforming to IS:12894-2002 of class designation 4.0 in foundation and plinth in: Cement Mortar 1:6 (1 cement : 6 coarse sand)	3.20	Cum
9	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.	30.00	Cum
10	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).	4.74	Cum
11	25mm thick cement concrete flooring with 1:2:4 cement concrete (1 cement : 2 coarse sand : 4 graded stone aggregate 12.5 mm nominal size) finished with floating cost of neat cement.	186.00	Sqm
12	Steel work welded in built up sections/ framed work including cutting, hoisting, fixing in position and applying a priming coat of red oxide zinc chromate primer. In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works.	417.60	Kg
13	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.	400.00	Kg
14	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.	3.78	Sqm


S.No.	Description and details of work	Qty.	Unit
15	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).	3.00	Cum
16	Providing and placing in position reinforcement for R.C.C. work including straightening, cutting, bending, binding etc. complete as per drawings including cost of binding w re in foundation and plinth all complete: Thermo-Mechanically treated bars FE 415	180.00	Kg
17	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.	90.00	Sqm
18	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 upto 200x300mm	28.08	Sqm
19	Providing and laying ceramic glazed floor tiles conforming to IS : 15622 of approved size, make, colour, shade laid on 20 mm thick Cement Mortar 1:4 (1 cement : 4 coarse sand) including pointing the joints with white cement mixed with matching pigment etc., complete. Size upto 300x300mm	37.50	Sqm
20	Providing & laying 60mm thick precast interlocking concrete blocks of approved size (approx 305 sqcm) and shape/ pattern, over 40 mm thick average complete coarse sand bed with joints of 3mm thick filled by fine sand including leveling with surface vibrator, temping and sweeping etc. complete of minimum compressive strength of 250 kg/sq.cm Pigment Coloured (rubber mould) precast interlock concrete blocks	75.00	Sqm
21	Providing and laying water proofing treatment to vertical and horizontal surfaces of depressed portions of WC, kitchen and the like consisting of: i) 1st course of applying cement slurry @ 4.4 Kg/sqm mixed with water proofing compound conforming to IS 2645 including rounding off junction of vertical and horizontal surface. ii) 2nd course of 20mm cement plaster 1:3 (1 cement : 3 coarse sand) mixed with water proofing compound including rounding off junction of vertical and horizontal surface. iii) 3rd course of applying blown or residual bitumen applied hot @ 1.7 Kg. per sqm of area. iv) 4th course of 400 micron thick PVC sheet. (Overlaps at joints of PVC sheet should be 100 mm wide and pasted to each other with bitumen @ 1.7 Kg. per sqm of area.	100.00	Sqm
22	Providing and fixing vitreous china water closet squatting pan (Indian type) including cutting and making good the walls and floors wherever required: <u>White Long pattern W.C. pan of size 580 mm</u>	4.00	Each
23	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 : <u>White Size 550x450 mm</u>	4.00	Each
24	Providing and fixing vitreous china water closet (European type W.C. pan) with white ISI marked plastic seat ----- fittings and fixtures complete including cutting and making good the walls and floors wherever required : ----- pedestal type	2.00	Each

S.No.	Description and details of work	Qty.	Unit
25	Providing and placing on terrace (at all levels) polyethylene water storage tank ISI marked with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank.	1000.00	Litre
26	Providing and laying in trenches G.I. pipes medium class complete with G.I. fittings including excavation of trenches, refilling the same and testing of joints complete: 25 mm dia. nominal bore	25.00	Metre
27	Providing and laying in trenches G.I. pipes medium class complete with G.I. fittings including excavation of trenches, refilling the same and testing of joints complete: 15 mm dia. nominal bore	25.00	Metre
28	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end): 25 mm nominal bore	2.00	Each
29	Providing and fixing 15 mm nominal bore Brass bib/stop cock of approved quality and weighting not less than 350 grams): Bib cock	8e	
30	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)	400.00	Sqm
31	Distempering with acrylic washable distemper to give an even shade. On new work (Two or more coa	300.00	Sqm
32	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.	608.24	Sqm
33	Surface dressing of the ground including removing vegetation and making up undulations and in-equalities not exceeding 15 cms in depth/ height including disposal of rubbish upto 1.5 m lift and lead upto 50m (at least 5m away from the dressed area)	50.00	Sqm
34	Supplying and stacking of good earth at site including royalty, loading, unloading and carriage upto 5 km (earth measured in stacks will be reduced by 20% for payment)	5.00	Cum
35	Supplying and stacking at site well decayed cow dung manure from approved source, including loading, unloading and carriage upto 5 km (manure measured in stacks will be reduced by 8% for payment).	15.00	Cum
36	Providing and planting following herbs in garden including preparation of soil, base plantation, providing and spreading different fertilizers, soil and sand: Hedges like Alife, Dorenta, Tikoma etc	40.00	Each
37	Furn like Arica, China etc (3 year old)	25.00	Each
38	Hibiscus (Flower)/ Rose	80.00	Each
39	Carpet grass (well developed)	50.00	Sqm
40	Excavation for all types and size of foundation, trenches and drains or for any other purpose including disposal of ---- 1.5m. lift and lead upto 50m (at least 5m away from the excavated area). including dressing and leveling of pits.	6.00	Cum
41	Brick work with modular fly-ash lime bricks (FaLG Bricks) conforming to IS:12894-2002 of class designation 4.0 in foundation and plinth in: Cement Mortar 1:6 (1 cement : 6 coarse sand)	0.31	Cum
42	Supplying, filling, spreading & leveling stone boulders/ Gravels/ Coarse sand, in recharge pit, in the required layers and thickness, for all leads & lifts, all complete as per direction of Engineer-in-charge. (excavation of pit will be paid separately).		
	Stone boulders of size range 5 cm to 20 cm, in recharge pit	1.50	Cum
	Gravels of size range 5 mm to 10 mm, over the existing layer of boulders	0.75	Cum

S.No.	Description and details of work	Qty.	Unit
	Coarse sand of size range 1.5 mm to 2 mm over existing layer of gravel	0.45	Sum
43	Providing and making 12mm thick cement plaster of mix: In Cement Mortar 1:6	3.80	Sqm
NON SOR ITEM			
1	Providing & installations of Green Chalk Board including all necessary fittings.	224.00	Sq.Ft.
2	Computer chair	2.00	Each
3	Computer Table 4x2.5	2.00	Each
4	Office Table	5.00	Each
5	S Type Chair	5.00	Each
6	Middle School Benches seating capacity 2 Size L42xW12xH22 Inch. With powder coated surface top seat back made by rubber wood with polish main frame thickness 40 mm, round pipe 25 sqmm.	46.00	Each
7	Primary School Benches seating capacity 2 Top Size L32xW12xH24 Inch. Seat Size L32xW10xH14 Inch. Back Size L32xW6xH25 Inch. Top 18 mm commercial ply with laminate in round lipping patti.	46.00	Each
8	Slogan Writing	70.00	Sq.Ft.
9	Wall art painting complete with all necessary material. As per direction of engineer-in-charge.	400.00	Sq.Ft.
10	Plantation work Providing ornamental plants with 18" size clay pot like arica palm, phycus, cycus, etc. of size 4 Feet hieght.	10.00	Each
11	Add 5% For Electrification	47618.00	Rs


Executive Engineer
Municipal Corporation
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Asstt. Engineer
Municipal Corporation
Bhilai (C.G)


Sub. Engineer
Municipal Corporatio
Bhilai (C.G)