

MUNICIPAL CORPORATION BHILAI (C.G.)

NIT

Name of work - Repair and construction work in ward 55 sector 6 Govt. English Medium Primary School


As per Building /Electrical SOR 2015


S.No	DETAILS OF ITEMS	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.	200.00	Sqm.
2	Demolishing brick masonry including arches, stacking of serviceable material disposal of unserviceable material within 50 metres lead. In cement mortar.	9.60	Cum.
3	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. 3.1.5 1:1 1/2:3 (1 cement : 1 1/2 coarse sand : 3 graded stone aggregate 20mm nominal size).	1.00	Cum.
4	Demolishing R.C.C. work including stacking of steel bars and disposal of unserviceable material within 50 metre lead.	9.60	Cum.
5	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.	39.00	Cum.
6	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.	35.34	Cum.
7	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).	9.80	Cum.
8	Providing and fixing form work including, shuttering, steutting propping bracing etc. including its removal at all level for,; foundation, footings, bases of coulmn plainth beam wall in shape and size and all type of well below level.	38.40	Sqm.
9	Providing and fixing form work including, shuttering, steutting propping bracing etc. including its removal at all level for,; Beam ,linels, cantilevers & walls	36.00	Sqm.
10	Providing and fixing form work including, shuttering, steutting propping bracing etc. including its removal at all level for,; Suspaded floors, roofs, access platform, balconice, and shelves(cat in situ)	20.00	Sqm.
11	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.	9.77	Cum.
12	Providing and placing in position reinforcement for RCC work including straightening, cutting bending, binding etc. complete as per drawings including cost of binding wire all complete: Thermo- mechanically treated bars	849.39	Kg.
13	Brick work with modular fly ash lime bricks conforming to IS 12894-2002 of class designation 4.0 in foundation aand plainth in	9.40	Cum.
14	12mm thick cement plaster of mix In cement mortar 1:5 (1 cement : 5 fine sand)Inner wall	36.00	Sqm
15	15mm thick cement plaster of mix In cement mortar 1:5 (1 cement : 5 fine sand)Outer wall	36.00	Sqm
16	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.	131.40	Sqm


17	Providing and fixing steel door/ window with M.S sheet 1mm frame of angle iron, diagonal pattern made of or suitable size. 3.00mm M.S. gusset plates at junction and corners all necessary fitting complete including applying a priming coat of red oxide primer	949.50	Kg.
18	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.	36.00	Sqm.
19	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)	150.00	Sqm.
20	On old work (One or more coats applied @ 0.83 ltr/ 10 sqm)	750.00	Sqm.
21	Painting on new work (two or more coats) to give an even shade with: Satin synthetic enamel paint	370.00	Sqm.
22	Painting on old work (one or more coats) to give an even shade with: Satin synthetic enamel paint	350.00	Sqm.
23	Supply and fixing of pre-coated galvanized iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.50 mm +/- 5% total coated thickness (TCT), Zinc coating 120gsm as per IS: 277 in 240mpa steel grade, 5-7 microns epoxy primer on both side of t----- polymer coated J or L hooks, bolts and nuts 8mm diameter with bitumen and G.I. limpet washers or with G.I. limpet washers filled with white lead complete upto any pitch in horizontal/ vertical or curved surfaces excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.	84.00	Sqm.
24	Structural steel work in single section including cutting, hoisting, fixing in position and applying a priming coat of red oxide zinc chromate primer.	300.00	Kg.
25	Structural steel work riveted or bolted or welded in built-up sections, trusses and frames work upto a height of 5m above plinth level, including cutting, hoisting, fixing in position and applying a priming coat of red oxide zinc chromate primer.	300.00	Kg.
26	Providing and laying rectified ceramic glazed floor tiles of size 300x300mm and above conforming to IS : 15622 of approved 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. 12.10.1 Size 300x300mm	26.00	Sqm.
27	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. 12.7.1 Size upto 200x300mm	20.00	Sqm.
28	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.	0.64	cum
29	Providing and laying nominal mix cement concrete with crushed stone aggregate using concrete mixer in foundation, plinth and at ground level excluding cost of form work. AS PER ITEM No. 3.1.21:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40mm nominal size).	0.64	cum

30	Providing and fixing formwork including centering, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for: Wall of any thickness including attached pilasters, buttresses etc. in super structure..	17.82	sqm
31	Folded plates slabs	6.4	sqm
32	Brick work with modular well burnt (open bhatta) clay bricks of crushing strength not less than 20 kg/sqcm and water absorption not more than 25% in foundation and plinth in: Cement Mortar 1:6 (1 Cement : 6 Coarse Sand)	4.84	cum
33	Providing M.S. foot rests including fixing in manholes with 20x20x10 cm cement concrete blocks 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) as per standard design: With 20x20 mm square bar	7	each
34	Providing and fixing in position precast R.C.C. manhole cover and frame L D- 2.5 of required shape and approved quality Rectangular shape 600x450mm internal dimensions	1	each
35	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.	1	each
36	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 10 mm gap for thermal expansion etc complete.	2	mtr
37	Wiring for light/ fan/ exhaust fan / call bell point with 1.5 sqmm FR PVC insulated stranded copper conductor single core cable in concealed PVC conduit, with 5 amp piano type switch, phenolic laminated sheet, suitable size M.S. box and earthing the point with same size cable etc as required.		
	Short Point	10	Point
	Medium Point	10	Point
	Long Point	10	Point
38	Wiring for circuit/ sub main wiring along with earth wire with the following sizes of FR PVC insulated copper conductor, single core cable in concealed PVC conduit as required. 6 X 10 sq. mm in 40mm conduit	50	Metre
39	Providing and fixing round/ hexagonal fan box (125mm dia) depth 75mm (max.) with 12mm dia steel bar hook, 1.6mm thick MS sheet cover, in RCC slab etc. as required.	5	Each
40	Supplying following modular switch, socket, other accessories in sealed company packing.		
	5/6 amps two way switch	10	Each
	Fan regulator (two module size) electronic stepped type moving all rounds	10	Each
	Computer Outlet Jack	5	Each
	25/32 amp A.C. Starter switch	5	Each
41	Supplying, installation, testing and commissioning of following sizes fancy exhaust fan having built in lovers in existing opening in wall including earthing etc. complete as required. 225 mm sweep	10	Each
42	Supplying, fixing, testing and commissioning of following CFL (Built in choke type) in existing lighting luminaries as required.		
	65 Watt	8	Each
	85 Watt spiral	8	Each
43	Earthing with G.I. earth pipe 4.5 metre long, 40 mm dia including accessories	1	Set
44	Supplying and fixing call bell/ buzzer suitable for single phase, 230 volts A.C. supply, complete as required. Deluxe	4	Each

45	Supplying, fixing, testing and commissioning of following 230/250 volts fluorescent lamp (tube) in existing lighting luminaries as required 4' x 28 watt (T-5)	10	Each
46	Supplying of following sizes wooden switch box made of wooden plank side wall and base 300mm X 400mm	11	Each
47	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).	60	cum
48	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).	30	cum
49	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	350	Each
	Hibiscus (Flower)/ Rose	75	Each


 EXECUTIVE ENGINEER
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 ASSISTANT ENGINEER
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 SUB ENGINEER
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