MUNICIPAL CORPORATION OF BHILAI

NIT

कार्य का नाम :–जोन कं 05 अंतर्गत शासकीय स्कुलों का संधारण कार्य ।

(As Per PWD Building SOR 10.6.2026 & Electric SOR 10.06.2026)

S.NO	PARTICULAR	QTY	UNIT
1	Providing and fixing M.S. grill of approved pattern made of M.S. flats or square or round bars welded to steel frame of windows etc. including applying a priming coat of red oxide zinc chromate primer..	100.00	kg
2	12mm thick cement plaster of mix: In Cement Mortar 1:6 (1 cement : 6 fine sand)	150.00	sqm
3	15mm thick cement plaster of mix: In Cement Mortar 1:6 (1 cement : 6 fine sand)	150.00	sqm
4	Providing and replacing broken floor tile with 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 removing the broken tile and mortar, pointing the joints with white cement mixed with matching pigment etc., complete.	128.00	sqm
5	Providing and replacing broken floor tile with vitrified floor tiles with double charge/ multi charge printing with water absorption less than 0.5% and conforming to IS : 15622 of approved make in all colours and shades and size mentioned below (+/- 10mm), laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand) including removing the broken tile and mortar, grouting the joints with white cement and matching pigments etc. complete Size 600x600mm	90.16	sqm
6	Providing and applying on exterior surface with ECONOMY Exterior Emulsion paint of required shades to give protective and water proof finish minimum three coats applied @ 1.43 lit / 10Sqm up to final finish as per relevant I.S. Code 15489:2013 Type -2 Class D , C (Glossy /Semi Glossy finish) (Product such as Asian Ace , Dulux Promise Exterior , Berger Wall Masta , Nerolac Suraksha Plus , Nippon Shogun Opus, One Style Power Bright) inclusive of providing abro tape on edges and article and cleaning of door, windows, floor and surface as required with all tools tackles and labour etc. complete for the work (With 2 Year Warranty)	500.00	sqm
7	Providing and applying priming coat on steel work with red oxide/ zinc phosphate primer applied @ 0.50 lit /Sqm as per relevant code 3536:1999 (product such as Asian Zinc phosphate , Dulux Steel primer, Burger Red oxide primer) with all tools tackles and labour etc. complete for the work.	500.00	sqm
8	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	20.00	sqm
9	Providing stainless steel railing/ grill made of S.S. flats, hollow S.S. pipe or square/ rectangular sections of approved design fixing in stair case, balcony or other places with metal fasteners and stainless steel bolts etc complete.		
	SS Grade 304	100.00	kg
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 work1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).	2.00	cum
11	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)	5.00	cum
12	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	29.12	Cum

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13	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).	4.20	Cum
14	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. (Note :Excess/ less cement used as per design mix is payable/ recoverable separately) 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).1:11/2:3 (1cement :11/2 coarse sand :3 graded stone aggregate 20 mm nominal size).	4.20	Cum
15	Providing and placing in position reinforcement for RCC work including straightening cutting,binding etc.complete as per drawings including cost of binding wire in foundation and plinth all complete		
	Thermo-Mechanically treated bars FE 500D	416.00	Kg
16	Providing and fixing form work in including centring ,shuttering,strutting, staging, propping bracing etc.complete and including its removal at all levels,forFoundations, footings,bases of columns plinth beam, curtain wall in any shape and size and all type of wall below plinth level.	67.2	sqm
17	Carriage by mechanical transport upto 5 km lead: 1.26.1 Earth	22.4	Cum
18	Providing corrugated G.I. sheet roofing including vertical/ curved surfaces fixed with galvanized iron, 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 including painting with primer and paint on overlapping of sheets complete excluding the cost of purlins rafters and trusses. (Zinc coating not less than 272 gms/sqm) 10.1.1 1.00 mm thick sheet (weight 8.60 kg/m2)	40.00	sqm
19	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.	116	cum
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.cmPigment Coloured (rubber mould) precast interlock concrete blocks	40	sqm
21	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)	16.80	Cum
22	Supplying of following 230/250 volts LED street light		
	90 watt	14.00	each
	120 watt	18.00	each
23	Supplying of following 230/250 volts LED Flood light fitting with all accessories like driver, heat sink made of die cast aluminium with IP 66 protection and 15 KV surge protection on pole bracket, including connection, earthing, Separate housing for driver etc complete as per specification and P.F. should be greater than 0.9. LED chip efficacy ratio ≥ 120 lumens /watt. 200 watt	5.00	each
24	Supplying and laying following sizes one number FRLS PVC insulated/ XLPE, PVC sheathed, unarmoured, aluminium conductor power cable of 1.1 KV grade on surface/ existing cable tray with 1 mm thick GI saddle as per specification, IS: 1554 (1988, Part 1) / IS: 7098 (1988, Part 1).		
	2 x 6 sq. mm	100.00	m
	4 x 10 sq. mm.	100.00	m

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25	Providing and fixing in position G.I. barbed wire (93.8gram/m) to concrete/ wooden/ angle iron posts (straight or diagonal) including securing and screwing with G.I. tying wire, G.I. stapples, G.I.U-nails or steel pins etc., complete(Cost of posts, struts to be paid for separately	200.00	m
26	Providing and fixing in position chain linked steel wire fabric made of 4 mm dia G.I. wire of required width in mesh to concrete/ wooden/ angle iron posts including securing and screwing with 2mm dia G.I. wire, G.I. staples, G.I.U-nails or steel pins etc., complete	150.00	m
	Aperture 50x50mm		
			TOTAL
			SAY

सहायक अभियन्ता
नगर पालिक निगम, भिलाई

उप अभियन्ता
नगर पालिक निगम, भिलाई

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