

MUNICIPAL CORPORATION BHILAI (C.G.)


DETAILED ESTIMATE


Name of work :- जोन क्र. 05 अंतर्गत वार्ड क्र. 54 एवं 66 में वाटर प्यूरिफायर (आर. ओ.) स्थापित करने बाबत

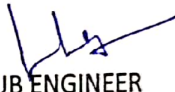
As Per Building SOR 01.01.2015/ ELEC SOR-2020 & Non Sor Item

S	Description and details of work	Qty.	Unit
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	14.83	Cum
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).	1.17	Cum
3	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)	0.86	Cum
4	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)	2.16	Sqm
5	White washing with whitening to give an even shade. On new work (Three or more coats)	2.16	Sqm
6	Finishing walls with water proofing cement paint of required shade to give an even shade On new work (Two or more coats applied @ 3.84 kg/10 sqm)	2.16	Sqm
7	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	500.00	Kg
	Painting on new work (two or more coats) to give an even shade with: Premium synthetic enamel paint	30.00	Sqm
8	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. Aperture 50x50mm	6	Sqm
9	Filling from available excavated stuff (Excluding rock) in trenches, plinth, sides of foundation etc. in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering with a lead upto 50 M. and lift upto 1.5 M.	0.22	Cum
10	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).	0.90	Cum
11	Providing and fixing form work including centring, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for: Foundations, footings, bases of columns plinth beam, curtain wall in any shape and size and all type of wall below plinth level.	9.00	Sqm
12	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 wire in foundation and plinth all complete: Thermo-Mechanically treated bars FE 415	72.00	Kg
13	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.	6.86	Cum
14	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	3.64	Sqm

15	Supply and fixing of precoated galvanized iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55mm) with EPDM seal or with polym.....ostof purlins, rafters and trusses and including cutting to size and shape wherever required.	42.69	Sqm
16	Providing and fixing on wall surface G.I. pipes medium class completewith G.I. fittings and clamps, including cutting, making good the walls etc.and testing of joints complete 25 mm dia. nominal bore	50.00	M
17	Providing & laying 60mm thick precast interlocking concrete blocks ofapproved size (approx 305 sqcm) and shape/ pattern, over 40 mm thick average complete coarse sand bed with joints of 3mm thick filled byfine sand including leveling with surface vibrator, temping andsweeping etc. complete of minimum compressive strength of 250kg/sq.cm	60.00	Sqm
18	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. 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).	1.15	Cum
NON SOR			
1	High Quality Industrial Grade Reverse Osmosis System WITH mix bed for capacities as under: • RO 1000 LPH • RAW WATER TANK : 2000 LITER • PRODUCT WATER TANK : 1000 LITER • INTER CONNECTING PIPING SEMI automatic-( INCLUDING INSTALLATION AND GST )Warranty- 1 Year from the date of work completion	2.00	cum

  
EXECUTIVE ENGINEER  
MUNICIPAL CORPORATION  
BHILAI

  
ASSISTANT ENGINEER  
MUNICIPAL CORPORATION  
BHILAI

  
SUB ENGINEER  
MUNICIPAL CORPORATION  
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