

MUNICIPAL CORPORATION BHILAI (C.G.)

NIT

कार्य का नाम :- जोन-01 कोसानगर शहरी गौठान में बटेर पालन हेतु ब्राडर रूम निर्माण, जलापूर्ति की व्यवस्था हेतु सिन्टेक्स एवं पाईप लाईन बिछाने का कार्य।

Pwd Building Sor 01.01.2015

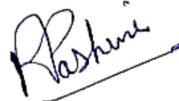
S.No.	Description and details of work	Qty.	Unit
1	Boring, providing and installing cast in situ single under reamed piles of specified diameter and length below pile cap in cement concrete 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size), to carry a safe working load, excluding the cost of steel reinforcement but including the cost of boring with auger by manual means and making one bulb using suitable bulb enlarging tool by MANUAL MEANS with all instruments and arrangements required for boring true to vertical line etc. all complete. (Length of pile for payment shall be measured upto to the bottom of pile cap):	40.00	Metre
2	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 soil	16.20	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. 1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate 40mm nominal size).	2.25	Cum
4	Providing and laying nominal mix reinforcement cement concrete with crushed stone aggregate using concrete mixer in all works upto floor five level excluding cost of reinforcement and form work. 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).	11.100	Cum
5	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 all complete:Thermo-Mechanically treated bars	910.40	Kg
6	Providing and fixing formwork including centering, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for:		
	(A) Foundations, footings, base of columns and plinth beam in any shape and size.	5.60	Sqm
	(B) Columns. Pillars. Piers and likes rectangular or square in shape	30.00	Sqm
7	Brick work with modular fly-ash lime bricks (FALG Bricks) confirming to IS:12894-2002 of class designation 40 in foundation and plinth in :Cement Mortar 1:6	5.40	Cum
8	Brick work with modular fly-ash lime bricks (FALG Bricks) confirming to IS:12894-2002 of class designation 40 in foundation and plinth in :Cement Mortar 1:6 Extra for brick work in superstructure above plinth level for every floor or part thereof in addition to rate for foundation and plinth:	16.42	Cum
9	Providing and making 12mm thick cement plaster of mix: In Cement Mortar 1:5 (1 cement : 5 fine sand)	97.08	Sqm

10	Providing and making 15mm thick cement plaster on the rough side of single or half brick wall of mix: In Cement Mortar 1:5 (1 cement : 5 fine sand)	112.08	Sqm
11	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.	40.00	Cum
12	Steel work in tubular (round, square or rectangular hollow tubes etc.) structure in built-up sections, trusses and frame work including cutting, hoisting, fixing in position upto a height of 5m above plinth level, consisting of columns trusses, roof and bottom purlins, base plate, holding down bolts, wind ties bracing (if required), bolts, nuts and washers for fastening etc. complete with applying a priming coat of red oxide zinc chromate primer. Electric resistance or induction butt welded tubes Grade-250	4093.20	Kg
13	Providing asbestos cement 6mm thick corrugated or semi corrugated sheets roofing fixed with galvanized J or L hooks, bolts and nuts 8mm dia G.I. plain bitumen washers complete excluding the cost of purlins, rafters and trusses. Extra for asbestos cement corrugated/semi corrugated sheet roofing with vertical sheeting or sheeting to pitch exceeding 60 degree.	66.00	Sqm
14	Providing and placing in position angle iron post and strut of required size including bottom to be split and bent at right angle in opposite direction for required length and drilling holes upto 10 mm dia as per requirement including priming coat with red oxide zinc chromate primer and placing the post/ strut in cement concrete block.	250.00	Kg
15	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	33.60	Sqm
16	Painting on new work (two or more coats) to give an even shade with: Aluminium paint	57.15	Sqm
17	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)	200.00	Sqm
18	Supplying & Installation of five star BEE Rating ISI Marked required capacity of three phase, 50 Hz, 415v, open well 3.00 H.P. Head Mt. 15-24, Discharge LPM 615-195	1.00	Nos
19	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	90.00	Metre
	25 mm dia. nominal bore	220.00	Metre
	32 mm dia. nominal bore	45.00	Metre
	50 mm dia. nominal bore	395.00	Metre
20	Providing and placing on terrace (at all floor levels) polyethylene water storage tank ISI : 12701 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	5000.00	Litre

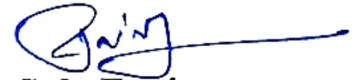
21	Demolishing cement concrete including disposal of material within 50 metre lead. 1:3:6 or richer mix	47.70	Cum
22	Providing and fixing 15 mm nominal bore Brass bib/stop cock of approved quality: Bib cock (250 grams)	16.00	Nos
23	Providing and fixing brass/ gun metal gate valve with C.I. wheel of approved quality (screwed end): 32 mm nominal bore.	8.00	Nos
	50 mm nominal bore	5.00	Nos
24	Providing and fixing G.I. Union in G.I. pipe (New work) including cutting and threading the pipe and making long screws etc. complete: 20 mm nominal bore	8.00	Nos
	50mm nominal bore	12.00	Nos
25	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).	12.72	Cum



Executive Engineer
Municipal Corporation
Bhilai (C.G)



Asstt. Engineer
Municipal Corporation
Bhilai (C.G)



Sub. Engineer
Municipal Corporatio
Bhilai (C.G)