

MUNICIPAL CORPORATION BHILAI (C.G.)

NIT

Name of work :- *ବିଦ୍ୟୁତ୍ ଓ ନିର୍ମାଣ କାମ ପାଇଁ ପାଣି ଶୁଦ୍ଧିକରଣ ଉପକରଣ*


As per Building SOR 01.01.2015

Sno	Particulars	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.	12.00	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.	1.50	Cum
	1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate 40mm nominal size).		
3	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.	6.36	Cum
	1:11/2:3 (1cement :11/2 coarse sand :3 graded stone aggregate 20 mm nominal size).		
4	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:	445.5	Kg
	Thermo-Mechanically treated bars FE 415		
	@80kg/cum of R.C.C		
5	Providing and fixing form work including centring, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for:	14.00	Sqm
	Foundations, footings, bases of columns plinth beam, curtain wall in any shape and size and all type of wall below plinth level.		
	for foundation		
6	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.	4152.35	kg
	Electric resistance or induction butt welded tubes Grade-250		
	Vertical tubular post 200 mm medium		
	plate in post		
	structural Steel truss purlin & bracing		
	Nut Bolt ,Plate & miscellenious 10%		

7	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 the sheet and polyester top coat 15-18 microns.s of size (5.5x 55mm) with EPDM seal or with 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.	81.12	Sqm.
8	Extra for providing and fixing wind ties of 40x6mm flat iron section.	24.00	Rm
9	Applying priming coat on steel work with red oxide zinc chromate primer	200	Sqm.
10	Painting on new work (two or more coats) to give an even shade with	200	Sqm.
13	Providing 40x5mm iron hold fast 40cm long including fixing to frame with 10mm bolts nuts and wooden plug and embedding in Cement Concrete 1:2:4 in blocks of size 30x10x15cm.	40	each
14	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)	2.4	cum

EXECUTIVE ENGINEER
MUNICIPAL CORPORATION
BHILAI


ASSISTANT ENGINEER
MUNICIPAL CORPORATION
BHILAI


SUB ENGINEER
MUNICIPAL CORPORATION
BHILAI