

DETAILED ESTIMATE
MUNICIPAL CORPORATION BHILAI (C.G.)
NIT

वार्ड क्र. 48 सेक्टर 01 फायर ब्रिगेड मैदान मंच में शेड निर्माण कार्य।

PWD BUILDING SOR 01.01.2015

S.N.	Description and Details of work	Qty.	Rate
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.In all types of soils..(Page-1Item-1.1)	9.25	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)..(Page-22,Item-3.1.2)	0.25	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. 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size)(Page-22,Item-3.1.2)	2.25	Cum
4	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, holdingdown bolts, wind ties bracing (if required), bolts, nuts and washers forfastening etc. complete with applying a priming coat of red oxide zincchromate primer. 9.3.1 Electric resistance or induction butt welded tubes Grade-250 (Page79,Item-9.3.1)	1610.40	KG
5	Supply and fixing of precoated galvanized iron profile sheets (size, shapeand pitch of corrugation as approved by Engineer-in-charge) 0.50 mm +/-5% total coated thickness (TCT), Zinc coating 120gsm as per IS: 277 in240mpa steel grade, 5-7 microns epoxy primer on both side of the sheetand polyester top coat 15-18 microns. Sheet should have protective guardfilm of 25 microns minimum to avoid scratches while transportation andshould be supplied in single length upto 12 metre or as desired byEngineer-in-charge. The sheet shall be fixed using self drilling /selftapping screws of size (5.5x 55mm) with EPDM seal or with polymercoated J orLhooks,boltsandnuts8mmdiameter with bitumen and G.I.limpet washers or with G.I. limpet washers filled with whiteleadcompleteuptoanypitchinhorizontal/ vertical or curvedsurfaces excluding the cost of purlins, rafters and trusses and including cutting to size and shapewherever required.	49.00	Sqm
6	Providing and laying vitrified floor tiles with soluble salt printing, of size 600x600mm with water absorption less than 0.5% and conforming to IS : 15622 of approved make, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand) including grouting the joints with white cement and matching pigments etc. complete.	55.20	Sqm
7	Painting exterior surface with PREMIUM ACRYLIC SMOOTH exterior paint of required shade as per manufacturer's specifications to giveprotective and decorative finish including cleaning washing of surface etc. complete with:14.16.1 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) (Page132,Item14.16.1)	9.60	Sqm
8	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 welded to frame with all necessaryfitting complete including applying a priming of red oxide zinc chromate primer SS GRADE 204 (Page86 Item9.57.1)	163.00	Kg

[Signature]

[Signature]

9	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.cm Plain/ normal coloured precast interlock concrete block (Page 119, Item 12.65.1)	404.00	Sqm
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 work. 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 40mm nominal size).	0.68	Cum
11	Providing and fixing form work including centring, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for: Columns, beams & walls- circular or any other geometrical shape other than square and rectangular in all sizes	7.68	Sqm
12	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).	1.47	Cum
13	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	146.8	Kg
14	Steel work welded in built up sections/ framed work including cutting, hoisting, fixing in position and applying a priming coat of red oxide zinc chromate primer. In stringers, treads, landings etc. of stair cases including use of chequered plate wherever required, all complete.	107.77	Kg
15	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.	4.61	Cum
16	Providing and making 12mm thick cement plaster of mix: In Cement Mortar 1:4 (1 cement : 4 fine sand)	5.52	Sqm
17	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)	5.52	Sqm
18	Painting on new work (two or more coats) to give an even shade with: Satin synthetic enamel paint	5.40	Sqm

कार्यपालक अभियन्ता
नगर पालिक निगम, भिलाई

सहायक अभियन्ता
नगर पालिक निगम, भिलाई

उप अभियन्ता
नगर पालिक निगम, भिलाई