

MUNICIPAL CORPORATION OF BHILAI

NIT

वार्ड क्र. 37 पावर हाउस प्रगति मार्केट में सिटी डायग्नोस्टिक सेंटर खोलने हेतु आवश्यक निर्माण कार्य।

(As Per PWD Building/Road SOR 01.01.2015 & NON SOR ITEM)

SN	PARTICULARS OF ITEMS	QTY.	UNIT
1	Providing and fixing aluminium work for doors, windows, ventilators and partitions made out of extruded aluminium standard sections (main section with minimum 1.5mm thickness) conforming to IS: 733, IS: 1285 milled and jointed mechanically including aluminium cleats, neoprene weather stripping gasket beveled edge beading, screws duly fixed in wall/ floor with fixing clips or hold fasteners or bolts and nuts as required aluminium sections shall be anodized transparent or dyed to approved shade according to IS: 1868, minimum anodic coating shall be of grade AC-15. (Glazing to be paid for separately).	340.20	Kg
2	Providing and fixing 12mm thick pre-laminated particle board flat pressed with decorative lamination and balancing lamination on specified sides exterior Grade - 1 MDF Board 12 mm thick conforming to IS:14587, including fixed in aluminium doors, windows shutters and partition frames with C.P. brass/ stainless steel screws etc. complete.	43.20	Sqm
3	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with PVC/ neoprene gasket etc. complete. (Cost of aluminium snap beading shall be paid in basic item): With float glass panes of 8 mm thickness	43.20	Sqm
4	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	112.50	Kg
5	Providing and fixing ceramic glazed wall tiles conforming to IS : 15622 of approved make, colours, shades and size on wall and dado 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.	125.37	Sqm
6	15 mm thick Table rubbed polished Granite stone slab in risers and treads of steps skirting dado and pillars laid on 12mm (Average) thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointed with grey cement slurry including rubbing and polishing etc. complete (single stone is to be used for risers and treads of steps and width of stone for skirting and dado shall be equal to the height of skirting & dado and length of 1.0 m). Granite stone block	4.56	Sqm
7	ROAD SOR 01.01.2015, Granular Sub-base as per Table:- 400-1 Construction of granular sub-base by providing graded Material, carriage of mixed Material to work site, spreading in uniform layers with motor grader on prepared surface watering, rolling and compacting with vibratory power roller at OMC to achieve the desired density, complete as per clause 401 (A) Flant mix method (with Mechanically crushed stone only) (a) For Lower Sub-base with (ii) Grading-IV Material	78.00	Cum
8	ROAD SOR 01.01.2015, Providing and laying cement concrete for plain concrete/ reinforced concrete i/c form work, shuttering complete in as per drawings and specifications. (For Village roads) P.C.C. M-30	78.00	Cum
9	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.	83.19	Cum
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.1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate 40mm nominal size).	2.57	Cum
11	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).	13.82	Cum

SN	PARTICULARS OF ITEMS	QTY.	UNIT
12	Supply and fixing of precast TILE PATTERN profile sheets of approved make, colour, over all size, corrugation shape and pitch, having total coated thickness (TCT) 0.45 mm (approx weight 4.9 kg/sqm) with Zn-Al coating and superior paint and having yield strength of 550 MPa. Sheet should have protective guard film of 25 microns minimum to avoid scratches while transportation. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55mm) with EPDM seal or with polyester 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 excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.	112.00	Sqm
13	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.	1680.00	Kg
14	25 mm thick KOTA stone slab flooring over 20mm (Average) thick base of cement mortar 1:4 laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab including grinding rubbing and polishing etc. complete (Area of slab to be over 0.20 sqm and upto 0.50 sqm)	112.00	Sqm
15	Providing and filling in plinth with sand/ Crusher dust and hard moonum under floor in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering, including dressing etc. complete.	63.65	Cum
16	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. 1:3:6 (1 cement : 4 coarse sand : 8 graded stone aggregate 40mm nominal size).	22.64	Cum
17	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, tamping and sweeping etc. complete of minimum compressive strength of 250 kg/sq.cm. Pigment Coloured (rubber mould) precast interlock concrete blocks	200.00	Sqm
18	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 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).	14.16	Cum
19	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	950.82	Kg
20	Providing and fixing form work including centring, shattering, 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.	22.00	Sqm
21	Column, Pillars, Piers and likes- rectangular or square in shape	56.73	Sqm
22	Beams, lintels, cantilevers & walls	25.42	Sqm
23	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)	1.78	Cum
24	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) Extra for brick work in superstructure above plinth level for every floor or part thereof in addition to rate for foundation and plinth:	8.09	Cum
25	Providing and making 18 mm thick cement plaster with under layer of 12mm thick cement plaster 1:5 (1 cement : 5 fine sand) finished with a top layer of 6mm thick cement plaster 1:3 (1 cement : 3 fine sand).	67.83	Sqm
26	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 gratings, frames, guard bar, ladder, railings, brackets, gates and similar works.	1832.60	kg
27	Pointing on new work (two or more coats) to give an even shade with: Premium synthetic enamel paint	87.27	Sqm
28	White washing with whitening to give an even shade. On new work (Three or more coats)	67.83	Sqm

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29	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)	67.83	Sqm
30	Demolishing brick masonry including arches, stacking of serviceable material disposal of unserviceable material within 50 metres lead in cement mortar	1.68	Cum
31	Suspended floors, roofs, access platform, balconies (plain surfaces) and shelves (cast in situ)	10.50	sqm
32	Providing and making 6mm thick cement plaster of mix: In Cement mortar 1:3 (1 cement : 3 fine sand)	6.24	Sqm
33	Providing and making 12mm thick cement plaster of mix: In Cement mortar 1:4 (1 cement : 4 fine sand)	23.94	Sqm
34	Providing and making 15mm thick cement plaster of mix: In Cement mortar 1:5 (1 cement : 5 fine sand)	27.30	Sqm
35	Providing and laying 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 pointing the joints with white cement mixed with matching pigment etc., complete.	4.05	Sqm
36	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 lit/ 10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/ 10 sqm)	27.30	Sqm
37	Distressing with acrylic washable distemper to give an even shade. On new work (Two or more coats)	30.18	Sqm
38	Add 5% for Sanitary Work	4166.00	LS
	NON SOR ITEM		
39	NON SOR ITEM Providing and placing Tuffon Galas With All Accessories and Fittings	20.286	Sqm
	NON SOR ITEM		
40	Niltam India metal Jcater (finish colour silver) Dimension 1740 x 480 x 620 mm Wt 27.00Kg	5	Each
	NON SOR ITEM		
41	Spacious CRC Sheet shelf slotted angle rack, gauge sheet, gauge angle, luggage rack. Length 220.98 cm Width 91.44 cm Weight 50.00 Kg	20	Each


Executive Engineer
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Sub Engineer
Municipal Corporation
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