

MUNICIPAL CORPORATION OF BHILAI

NIT

वार्ड क्र. 35 जोन-2 पानी टंकी के सामने रिक्त भूखंड पर उद्यान निर्माण कार्य।

As Per PWD Building SOR 01.01.2015 & NON SOR ITEM

SN	PARTICULARS OF ITEMS	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.	61.53	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. 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 40mm nominal size).	10.94	Cum
3	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.	720.55	Kg
4	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).	4.29	Cum
5	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).	29.20	Cum
6	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	1459.80	Kg
7	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.	1248.10	Kg
8	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	291.96	Sqm
9	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	214.50	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. 1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate 40mm nominal size).	4.20	Cum
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.	50.40	Cum
12	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 Pigment Coloured (rubber mould) precast interlock concrete blocks	112.00	Sqm

SN	PARTICULARS OF ITEMS	QTY.	UNIT
13	Supplying and stacking of good earth at site including royalty, loading, unloading and carriage upto 5 km (earth measured in stacks will be reduced by 20% for payment).	60.00	Cum
14	Supplying and stacking at site well decayed cow dung manure from approved source, including loading, unloading and carriage upto 5 km (manure measured in stacks will be reduced by 8% for payment).	10.00	Cum
15	Spreading of sludge, dump manure or/and good earth in required thickness (Cost of sludge, dump manure or/ and good earth to be paid separately).	80.00	Cum
16	Providing and planting following herbs in garden including preparation of soil, base plantation, providing and spreading different fertilizers, soil and sand: Hedges like Alife, Dorenta, Tikoma etc	560.00	Each
17	Furn like Arica, China etc (3 year old)	25.00	Each
18	Hibiscus (Flower)/ Rose	80.00	Each
19	Carpet grass (well developed)	375.00	Sqm
20	Grassing with 'Doob' grass including watering and maintenance of the lawn for 30 days or more till the grass forms a thick lawn free from weeds and fit for mowing including supplying good earth if needed (the good earth shall be paid for separately). In rows 5 cm apart in either direction.	750.00	Sqm
21	Carrying out the resistivity survey by VES method using Schlumberger configuration for locating the proper spot for drilling of tube well within the selected habitation, including photography, interpretation of resistivity data and submission of report in the desired format along with resistivity readings, necessary graph and photographs. (only successful point is payable)	1.00	Point
22	Boring/drilling bore well perfectly vertical for the specified depth suitable to receive required dia for casing/ strainer pipe, by suitable method prescribed in IS: 2800 (part I), including collecting samples from different strata, preparing and submitting strata chart/bore log, including hire & running charges of all equipments, tools, plants & machineries required for the job, all complete as per direction of Engineer-in-charge upto 90 metre depth below ground level. All types of soil 150 mm nominal dia	45.00	Mtr.
23	Rocky strata including Boulders. 150 mm nominal dia	1.50	Mtr.
24	Supplying, assembling, lowering and fixing in vertical position in bore well, ISI marked G.I. casing pipe (Plain) medium class in 4 to 7 meters length one end fitted with socket as per IS: 1239 (Part-1&Part-2) 1992 with IVth ----- of reputed & approved make, including required hire & labour charges, fittings & accessories, all complete, for all depths, as per direction of Engineer- in-charge. 150 mm nominal dia	47.00	Mtr.
25	Boring/drilling bore well perfectly vertical for the specified depth suitable to receive required dia for casing/ strainer pipe, by suitable method prescribed in IS: 2800 (part I), including collecting samples from different strata, preparing and --- charges of all equipments, tools, plants & machineries required for the job, all complete as per direction of Engineer-in-charge beyond 90 metre & upto 150 metre depth below ground level. Rocky strata including Boulders. 150 mm nominal dia	44.00	Mtr.
26	Providing and fixing suitable size threaded mild steel cap or spot welded plate to the top of bore well housing/ casing pipe, removable as per requirement, all complete for bore well of: 150 mm nominal dia	1.00	Each
27	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: 25 mm dia. nominal bore	88.00	Mtr.
28	Providing and fixing 15 mm nominal bore C.P. brass fittings of approved make and conforming to IS:8931 including C.P. brass extension if required: Stop cock (concealed) (600 grams)	4.00	Each

SIN	PARTICULARS OF ITEMS	QTY.	UNIT
29	Providing and fixing brass/ gun metal gate valve with C.I. wheel of approved quality (screwed end): 25 mm nominal bore	4.00	Each
30	NON SOR ITEM Providing & Planting well developed & healthy (5' and above) orna mental plants with digging holes soil filling & chemical & biological treatment like ficus cycas chhatim, bottle palm, supari palm, musanda & avenue palm, tree including 6th month maintenance till well established as directed Engineer In charge	100.00	Each
31	NON SOR ITEM Providing & Planting well established flowering & orna mental plants or shrubs like nerium, bougainvillia, crotons, vidhya etc. with digging holes & chemical treatment including 6th month maintenance till well established as directed Engineer In charge	60.00	Each
32	NON SOR ITEM Providing & Planting well developed succulent healthy orna mental plants with digging chemical treatment like thuja, cycas, lolina etc, including 6th month maintenance till well established as directed Engineer In charge	32.00	Each

C.B.

Executive Engineer
Municipal Corporation
Bhilai

Assistant Engineer
Municipal Corporation
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C.B.
Sub Engineer
Municipal Corporation
Bhilai