

MUNICIPAL CORPORATION OF BHILAI

NIT

वार्ड क्र. 41 आदिवासी नगर एवं नंदिनी रोड़ के पास छोटा उद्यान निर्माण एवं बोर खनन कार्य।

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

S.N.	PARTICULERS OF ITEMS	Quantity	UOM
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 soil	10.65	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).	7.65	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.	503.88	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).	3.00	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).	10.75	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	500.00	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.	872.80	Kg
8	Providing and fixing formwork including centering, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for: Foundations, footings, base of columns and plinth beam in any shape and size.	100.00	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	150.00	sqm
10	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.	60.00	Cum
11	Trenching in ordinary soil upto a depth of 60cm including removal and stacking of serviceable materials and then disposing of by spreading and neatly leveling with in a lead of 50m and making up the trenched area to proper levels by filling with earth or earth mixed with sludge or/and manure before and after flooding trench with water (excluding cost of imported earth, sludge or manure).	120.00	Cum
12	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).	40.00	Cum
13	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).	40.00	Cum
14	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).	100.00	Sqm
15	Mixing earth and sludge or manure in proportion specified or directed.	100.00	Cum

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S.N.	PARTICULARS OF ITEMS	Quantity	UOM
16	Preparation of beds for hedging and shrubbery by excavating 60cm deep and trenching the excavated base to a further depth of 30cm, refilling the excavated earth after breaking clods and mixing with sludge or manure in the ratio of 8:1 (8 parts of stacked volume---including stacking and disposal of materials declared unserviceable and surplus earth by spreading and leveling as directed, within a lead of 50m lift upto 1.5 m complete (cost of sludge, manure or extra earth to be paid for separately).	150.00	Cum
17	Digging holes in ordinary soil and refilling the same with the excavated earth mixed with manure or sludge in the ratio of 2:1 by volume (2 parts of stacked volume of earth after reduction by 20% : 1 part of stacked volume of manure after reduction by 8%) flooding with water, dressing including removal of rubbish and surplus earth, if any with all leads and lifts (cost of manure, sludge or extra good earth if needed to be paid for separately) : Holes 60 cm dia, and 60 cm deep.	50	No.
18	Edging with modular well burnt clay bricks of crushing strength not less than 25kg/ sqcm laid dry length wise including excavation, refilling, consolidating with hand packing and spreading neatly surplus earth within a lead of 50 m :	100.00	Metre
19	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	200	Each
20	Furn like Arica, China etc (3 year old)	25	Each
21	Hibiscus (Flower)/ Rose	50	Each
22	Carpet grass (well developed)	100.00	Sqm
23	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	No.
24	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 dia.	27.00	Metre
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 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. Rocky strata including Boulders. 150 mm dia.	56.00	Metre
26	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 revision (Up-to-date amendments), 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	30.50	Metre
27	Providing and placing in position India Mark II hand pump with 32 mm diameter riser pipe assembly complete with all accessories (riser pipe and plunger rod to be paid separately).	1.00	No.
28	Providing ISI Mark 32 mm dia G.I. (B class) riser pipe and M.S. plunger rod in 3 meter length socketed on one end as per IS: 1239 (Part I) 1990 with up to date amendments and socket as per IS: 2062/1990 up to date amendments.	30.00	Metre

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S.N.	PARTICULERS OF ITEMS	Quantity	UOM	Rate
29	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	25	Each	
30	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	30	Each	
31	NON SOR ITEM Providing & fixing of Steel Bench Area 1.20x0.70 m Height 0.45 m above level seating ----- proper grip fixing with 1:2:4 Cement Concrete	5	Each	
32	NON SOR ITEM Providing & Fixing 8' FRP Common Slide Height 1.2 m , Width of slide 0.5, Length of slide 2.4m Main frame ~ 40mmx2.5mm(thickness)@ NB .Pipe Plate form of Steel frame of 16 g M.S. sheet with support of 25x25x3 angle Ralling of 20x2 m.m(thickness) pipe.Frp should be 8' length and 0.5 mtr wide Stairs made up of square pipe of 100x50 mm. & 25x25x3 angle main frame, stairs & frp should properly fixed with support of flat 40x5 with each other with nut bolting system. Ideal for the age group 4-14 yrs Painting: - structures have to be powder coated by best quality polyurethane Paints.and should be provided with hole passes for proper grip Fixing with 1:2:4 cement concrete	1	Each	
33	NON SOR ITEM Providing & fixing of Double Swing Jhula Height 3 mtr, Width 3.0m Length 3.0m Clamp- S.P.Casting clamp with bearing fixing with the upper body of pipe with support of 40x5 flat. Seat capacity-2 nos. F.R.P. laminated steel sheet with the support of 30x30x3 angle and 25x5 flat.Main frame- 50x2.5mm(thickness)@ NB.Pipe Frame have to be supported with 50x50x5 angle on the both sides and sides to be supported with 20 mm pipe with nut bolting system Chain - 8 mm thick M.S. Nikil coated high tensile chain with 's' hook. Ideal for the age group 4-14 yrs. Painting :- structure have to be powder coated by best quality polyurethane Paints and should be provided with hole passes for proper grip.Fixing with 1:2:4 cement concrete	1	Each	


Executive Engineer
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Assistant Engineer
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Sub Engineer
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