MUNICIPAL CORPORATION OF BHILAI

NIT

वार्ड क्र. 46 नंदगैय्या पारा में पाईप लाईन विस्तारीकरण कर अतिरिक्त सुविधा प्रदाय कार्य।

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

S.N.	PARTICULERS OF ITEMS	Quantity	UOM
1	Supply and fixing of precoated 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. Sheet should have protective guard film of 25 microns minimum to avoid scratches while transportation and should be supplied in single length upto 12 metre or as desired by Engineer-in-charge. The sheet hall be fixed using self drilling /self tapping screws 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.	5.76	Sqm
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).	0.58	Cum
3	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. Size 300x300mm	5.76	Sqm
4	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 necessary fitting complete including applying a priming of red oxide zinc chromate primer.	115.20	Kg
5	Providing and placing on terrace (at all floor levels) polyethylene water storage tank ISI : 12701 marked with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank	1500.00	Litre
6	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:		
	50 mm dia. nominal bore	280.00	Mtr.
	40 mm dia. nominal bore	220.00	Mtr.
	25 mm dia. nominal bore	150.00	Mtr.
7	Providing and fixing brass/ gun metal gate valve with C.I. wheel of approved quality (screwed end):		
	50 mm nominal bore	4	Each
	25 mm nominal bore	4	Each
8	Providing and fixing G.I. Union in G.I. pipe (New work) including cutting and threading the pipe and making long screws etc complete:		
	50 mm nominal bore	7	Each
	25 mm nominal bore	7	Each
9	Providing and fixing 15 mm nominal bore Brass bib/stop cock of approved quality:		
	Bib cock (250 grams)	10	Each

S.N.	PARTICULERS OF ITEMS	Quantity	UOM
	NON SOR ITEM		-
10	Providing and fixing Water Treatment plant based on Reverse Osmosis Technology Design to produce product water at the flow rate of 250,500,1000. The Proposed water treatment based on RO Technology can even Work continuosly for 10-15½ Hrs. per day. **TREATMENT SCHEME :** A. RAW WATER PUMP B. MEDIA FILTER UNIT C. SPECIAL ANTI-SCALENT DOSING SYSTEM D. MICRON CARTRIDGER FILTER E. HIGH PRESSURE PUMP F. R.O. MODULES G. MEMNRANE CLEANING SYSTEM H. SV WITH FLUSHING SYSTEM. I. PROFILE SHEET STRUCTURE FOR RO SYSTEM (SIZE 2.00 x 2.00 Mtr.) J. Maintenance for 1 Year. **CLIENT TO PROVIDE :** a. Control Supply : 250 Volts (1 Phase, 50 Hz for all Instructios.) b. Power supply : 440±10 Volts, Three-phase 50Hz for high-pressure pump. c. Labour : As and when required.	1	No.

Executive Engineer
Municiapal Corporation
Bhilai

Assistant Engineer
Municipal Corporation
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Sub Engineer
Municipal Corporation
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