

MUNICIPAL CORPORATION OF BHILAI

NIT
कार्य का नाम - 2.72 एम.एल.डी. जलशोधन संयंत्र का संचारण कार्य।

S.N.	PARTICULARS OF ITEMS	Quantity	UOM	Rate
1	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)	15	CUM	
2	1:4:5:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).	10	CUM	
3	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).	2.5	CUM	
4	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	180	Kg	
5	Providing and laying 3mm thick APP (Atactic Polypropylene Polymer) modified prefabricated five layer, 3mm thick water proofing membrane, black finished reinforced with glass fibre matt consisting of a coat of bitumen primer for bitumen membrane @ 0.40 ltr/sqm. by the same membrane manufactured of density at 25°C, 0.87 - 0.89 kg/ltr and viscosity 70 - 160 cps. over the primer coat the layer of membrane shall be laid using Butane torch and sealing all joints etc., and preparing the surface complete. The vital physical and chemical parameters of the membrane shall be : Joint strength in longitudinal and transverse direction at 23°C as 350/300 N/5cm. Tear strength in longitudinal and transverse direction as 60/80N. Softening point of membrane not less than 150°C. Cold flexibility shall be upto -2°C when tested in accordance with ASTM, D - 5147.	100	Sqm	
6	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 grailings, frames, guard bar, ladder, railings, brackets, gates and similar works.	180	Kg	
7	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 mitred 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:			
	For shutter of doors, windows & ventilators including providing and making provision for fixing of fitting wherever required including the cost of PVC/ neoprene gasket required (Fittings shall be paid for separately).	80	Kg	
8	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 5 mm thickness	30	Sqm	
9	Wall painting with acrylic premium emulsion (plastic) paint of required shade to give an even shade.			
	On new work (two or more coats)	100	Sqm	
10	Repairs to plaster in patches of area 2.5 sq. metres and under including cutting the patch in proper shape, raking out joints and preparing and plastering the surface of the walls with cement mortar 1:4 (1 cement : 4 fine sand) complete including disposal of rubbish to the dumping ground within 50metres lead :			
	Thickness upto 15mm	1000	Sqm	

सहायक अभियन्ता
जलकार्य
नगर पालिक निगम, निलाई

उप अभियन्ता
जलकार्य
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