

**OFFICE OF THE MUNICIPAL CORPORATION BHILAI**

NIT

NAME OF WORK :- Constrecton of Sump Well and Installation submersible pump

AS PER PWD BUILDING S.O.R:- 01/01/2015 & ELECTRICAL SOR:- 01/06/2020

S.No.	S.O.R.	Particulars of iteams	QNTY	UNIT	RATE
1	2	3	4	5	6
1	1.1.1	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 soils.	10.00	cum	
2	1.6.1	Extra for every additional lift of 1.5 m or part thereof. All types of soils.	12.56	cum	
3	1.18	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.	12.01	cum	
4	3.1.3	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 : 3 coarse sand : 6 graded stone aggregate 40mm nominal size).	2.51	cum	
5	3.2.1	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. 1:11/2:3 (1 cement : 11/2 coarse sand : 3 graded stone aggregate 20mm nominal size)	6.04	cum	
6	7.9.1	Half brick thick (9cm) brick masonry with modular well burnt clay bricks of crushing strength not less than 35 kg/sqcm and water absorption not more than 20% upto plinth level. Cement Mortar 1:3 (1 cement : 3 coarse sand)	47.51	cum	
7	3.12.1	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	604.00	kg	
8	2.1.7	Providing and fixing form work including centring, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for: Suspended floors, roofs, access platform, balconies (plain surfaces) and shelves (cast in situ)	6.11	sqm	
9	4.9.1	Providing and laying eight course damp proofing treatment in basement, ssumps, reservoirs etc. consisting of first, third, fifth and seventh course of blown type petroleum bitumen of IS grade 85/25 applied hot at the rate of 1.60kg/sqm. And 2nd, 4th, 6th course of self finished bitumen tar felt with priming coat with bitumen solution applied at the rate of a minimum 0.25 litre per sqm eight and final course of stone grit 6mm and down pea sized gravel spreaded at 0.008 cum per sqm including preparation of surface by grouting cracks, providing C.C. fillets, rounding of corners and cleaning and drying of the surface before priming coat is applied complete. With bitumen felt of type 2, grade 2 (Fibre base) in 2nd, 4th & 6th course)	12.56	sqm	
10	12.3.3	Cement concrete flooring with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm) finished with a floating coat of neat cement) 75 mm thick	4.91	sqm	
11	11.3.2	Providing and making 15mm thick cement plaster on the rough side of single or half brick wall of mix. In cement Mortar 1:4 (1 cement : 4 fine sand)	30.46	sqm	
12	3.14	Providing and mixing water proofing material in PCC/RCC work in the proportion recommended by the manufacturer.	40.00	kg	
13	9.13	Providing and fixing steel door/window with M.S. sheet 1mm thick, frame of angle iron, diagonal braces of angle/flat iron of suitable size, 3.00 mm M.S. gusset plates at junctions and corners, all necessary fittings complete including applying a priming coat of red oxide zinc chromate primer.	20.00	kg	

S.No.	S.O.R.	Particulars of iteams	QNTY	UNIT	RATE
1	2	3	4	5	6
14	23.3.1 PWD (ELEC)	Supplying, installation, testing and commissioning of submersible pump set for water supply system with submersible motor directly coupled to multi-stage submersible pump of specified discharge capacity, head, delivery size in existing bore well including 2 sets of suitable size holding clamps made out of 50 mm X 6 mm MS flat, connection with suitable submersible cable of standard length etc. as per specification and IS:694 (2010). Note: submersible Cable should be rust proof, safe from oil/grease and under chemical/abrasion resistant. 1.0 HP, single phase	1.00	each	
15	23.11 PWD (ELEC)	Supply, installation, testing and commissioning of 1-3 HP 1 phase submersible motor starter cum control wall/ floor mounted type made out of not less than 1.6 mm thick MS sheet and comprising of following panel mounting switchgears there in including connection inter-connection etc. as per specification a) Phase indicating lamps with fuses and toggle switches 1 set b) 1/2/3 HP 1 phase DOL starter with over load and no volt relay 1 No c) 25 A "C" curve DPMCB 1 No d) Voltmeter 0-250 V 1 set e) Ammeter 0-10 A 1 set	1.00	each	
16	23.14.3 PWD (ELEC)	Supplying, laying and fixing following size submersible cable along with GI/PVC/HDFC pipe line or laid in ground etc as per specification and IS:694 (2010) Note: Cable should be rust proof, safe from oil/grease and under water chemical/abrasion resistant. 3x4.0 sqmm	90.00	mtr	
17	23.5.7 PWD (ELEC)	Supplying and fixing of following sizes 'B' class GI pipe with all necessary Tee's, bends, sockets in the suction/delivery line including cutting and threading etc. as per specification. 25 mm dia	10.00	mtr	
18	15.1.24 PWD (ELEC)	Supplying and laying following sizes one number FRLS PVC insulated/XLPE, PVC sheathed, steel armoured aluminium conductor power cable of 1.1 KV grade direct in ground at a depth not less than 40 cm and upto 90 cm including excavation, sand cushioning, protective covering and refilling the trench etc as per specification, IS:1554 (1988, Part 1)/IS:7098 (1988, Part 1). 4 X 25 sq. mm.	120.00	mtr	

  
 कार्यपालन अभियंता  
 नगर पालिक निगम  
 भिलाई

  
 उप अभियंता  
 नगर पालिक निगम  
 भिलाई