

Name of work :- वार्ड 60 सेक्टर 05 पेयजल हेतु सार्वजनिक वाटर एटीएम लगाने का कार्य।

ELEC SOR 2020 & Building SOR 01.01.2015 & NON SOR

S.n	Description and details of work	Qty.	Unit
1	Boring/drilling bore well perfectly vertical for the specified depth suitable to receive required dia for casing/ strainer pipe, by itable 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 150MM DIA	23.00	Rmt
2	Rocky strata including Boulder 150MM DIA	60.00	Rmt
3	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. 150mm nominal size dia	24.00	Rmt
4	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:150mm nominal size dia	1.00	each
5	Providing and fixing on wall surface G.I. pipes medium class complete with G.I. fittings and clamps, including cutting, making good the walls etc. and testing of joints complete: 25 mm dia. nominal bore	35.00	Rmt
6	Providing ISI Mark 32 mm dia G.I. (B class) riser pipe and M. 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 amendment	21.00	Rmt
7	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.) below GB	5	cum
8	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.	0.32	cum
9	Brick work with modular fly-ash lime bricks (FaLG Bricks) confirming to IS 12894-2002 of class designation 4.0 in foundation and plinth in 7.5.4 Cement Mortar 1:6 (1 cement : 6 coarse sand)	0.32	Cum
10	Providing and fixing 15 mm nominal bore Brass bib/stop cock of approved quality: 19.13.1 Bib cock (250 grams)	2.00	each

11	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 required. 1.5.0 HP, single phase	1.00	Each
12	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 required. 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
13	Supplying and laying following sizes one number FRLS PVC insulated /XLPE, PVC sheathed, steel armoured, aluminium conductor power cable of 1.1 KV grade on surface/ existing cable tray with 1 mm thick GI saddle as per specification, IS: 1554 (1988, Part 1) / IS: 7098 (1988, Part 1). 2 x 10 sq. mm	90.00	Metre
	NON-SOR		
1	Providing, installation & Commissioning of 2000 liters/hours capacity RO GSM, ATW Fabricated room structure and bore well for Raw water including 03 year maintenance cost. (15% of total)	1	each


Asstt. Engineer
Municipal Corporation
Bhilai (C.G.)


Sub Engineer
Municipal Corporation
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