

OFFICE OF THE MUNICIPAL CORPORATION, BHILAI CHARODA

Name of Work : DRILLING OF TUBE WELL AND INSTALLATION OF HAND PUMPS

As per SOR : SCHEDULE OF RATES PUBLIC WORKS DEPARTMENT [PWD BUILDING-01.01.2015]

NIT

No of 125 mm dia bore :

No of 150 mm dia bore :

SN	REF	ITEM DESCRIPTION	QTY	UNIT
1	21.17	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)	10	point
2	21.1	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,		
	21.1.1.2	125 mm dia.	100	metre
	1.3	150 mm dia.	150	metre
	1.2	Rocky strata including Boulders.		
	21.1.2.2	125 mm dia.	260	metre
	1.2.3	150 mm dia.	390	metre

SN	REF	ITEM DESCRIPTION	QTY	UNIT
3	21.2	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	0	
	2.2	Rocky strata including Boulders.		
	2.2	125 mm dia.	120	metre
	2.3	150 mm dia.	180	metre
4	21.5	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.		
	5.2	125 mm nominal dia	104	metre
	5.3	150 mm nominal dia	156	metre

SN	REF	ITEM DESCRIPTION	QTY	UNIT
5	21.3	Supplying, assembling, lowering and fixing in vertical position in bore well, unplasticized PVC medium well casing (CM) pipe of required dia, conforming to IS: 12818, including required hire and labour charges, fittings & accessories etc. all complete, for all depths, as per direction of Engineer –in-charge.		
	3.2	150 mm nominal size dia	104	metre
	3.3	150 mm nominal size dia	156	metre
6	21.11	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:		
	11.2	25 mm dia	4	each
	11.3	50 mm dia	6	each
7	21.10	Development of tube well in accordance with IS : 2800 (part I) and IS:11189, to establish maximum rate of usable water yield without sand content (beyond permissible limit), with required capacity air compressor, running the compressor for required time till well is fully developed, measuring yield of well by "V" notch method or any other approved method, measuring static level & draw down etc. by step draw down method, collecting water samples & getting tested in approved laboratory, i/c disinfection of tube well, all complete, including hire & labour charges of air compressor, tools & accessories etc., all as per requirement and direction of Engineer-in-charge.	160	hour

SN	REF	ITEM DESCRIPTION	QTY	UNIT
8	21.15	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).	10	each
9	21.16	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.	300	metre
	i)	Construction of cement concrete platform as per design around the handpump in M-15 cement concrete including excavation, centering, shuttering, cost of all the materials and labour and curing etc. complete.	10	each
	ii)	Construction of 76c mx 76cmx 40cm foundation block in M-15 cement concrete for fixing the pedestal of Hand Pump including excavation, cost of material and labour etc. Complete	10	each