

## Schedule of Quantity

**Name of work: Drilling of 01 Nos. Bore well (06 inches dia) with MS casing at Vivekananda Hostel of PDPM IIITDM Jabalpur.**

DSR No.	Description of items	Quantity	Unit	Rate	Amount
<b>23</b>	<b>RAIN WATER HARVESTING &amp; TUBEWELLS</b>				
23.1	Boring/drilling bore well of 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, upto 90 metre depth below ground level.				
23.1.1	All types of soil				
23.1.1.1	300 mm dia	90	Mtr.	707.75	63697.50
23.2	Boring/drilling bore well of 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, beyond 90 metre & upto 150 metre depth below ground level.				
23.2.1	All types of soil				
23.2.1.1	300 mm dia	80	Mtr.	825.70	66056.00
23.8	Gravel packing in tubewell construction in accordance with IS: 4097, including providing gravel fine/ medium/ coarse, in required grading & sizes as per actual requirement, all complete as per direction of Engineer-in-charge.				
		5	Cum.	2024.75	10123.75
23.10	Supplying, assembling, lowering and fixing in vertical position in bore well, ERW (Electric Resistance Welded) FE 410 mild steel screwed and socketed/plain ended casing pipes of required dia, conforming to IS: 4270, of reputed & approved make, including painted with outside surface with two coats of anticorrosive paint of approved brand and manufacture, including required hire & labour charges, fittings & accessories, all complete, for all depths, as per direction of Engineer-in-charge.				

<b>DSR No.</b>	<b>Description of items</b>	<b>Quantity</b>	<b>Unit</b>	<b>Rate</b>	<b>Amount</b>
23.10.2	150 mm nominal size dia having minimum wall thickness 5.00 mm	120	Mtr.	1972.25	236670.00
23.10.3	200 mm nominal size dia having minimum wall thickness 5.40 mm	12	Mtr.	2442.75	29313.00
23.11	Supplying, assembling, lowering and fixing in vertical position in bore well, ERW (Electric Resistance Welded) FE 410 plain slotted (having slot of size 1.6/3.2 mm) mild steel threaded and socketed/ plain bevel ended pipe (type A) of required dia, conforming to IS: 8110, of reputed and approved make, having wall thickness not less than 5.40 mm, including painted with outside surface with two coats of anticorrosive bitumestic paint of approved brand and manufacture, including hire & labour charges, fittings & accessories, all complete, for all depths, as per direction of Engineer -in-charge.				
23.11.2	150 mm nominal size dia	38	Mtr.	2102.25	79885.50
23.12	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 tubewell, all complete, including hire & labour charges of air compressor, tools & accessories etc., all as per requirement and direction of Engineer-in-charge.	3	Hr.	1085.05	3255.15
23.13	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 borewell of:				
23.13.2	200 mm dia	1	Each	321.15	321.15
23.14	Providing and fixing M.S. clamp of required dia to the top of casing/ housing pipe of tubewell as per IS: 2800 (part I), including necessary bolts & nuts of required size complete.				
23.14.2	200 mm clamp	1	Each	2293.65	2293.65
NS	NS Item				

DSR No.	Description of items	Quantity	Unit	Rate	Amount
NS-1	Resistivity Survey at Site for finding out suitable bore point by hydrologist having experience of more than 1 year in similar work. The report of the same test will be supplied by the agency in one set of 3 points having maximum possibility yield of water etc. All complete as per direction of Engineer-in-charge. Any work except resistivity survey will be allowed getting approval from Engineer-in-charge which will depend on the result of the resistivity survey.	1	Each	6921.00	6921.00
	Grand Total Amount				498536.70
	Say				498536.00

**Quoted Rates:** .....% above / below estimated cost  
 (To be quoted by the contractor)

(Signature of contractor)