

Estimation for Sinking of 3.0 HP submersible pump and Pipeline for drinking water supply purpose					
From Annual Action Plan (Supplementary)- Ref. Sl. No-S-6, Upasamity-Sikha-O-Janasaatha of 2017-18					
All rates has been taken from PWD Sanitary & Plumbing Schedule effect from 01.11.2017, & Local market rates also					
Sl no	Description of Items.	Qty.	Rate.	Unit	Amount. (Rs.)
1	Labour for boring tube-well of required dia by water jet system through any type of soil strata including line and labour charges for boring pipe scaffolding, tools and lowering pipes. Srtainers, blind pipe etc. and fitting and fixing the same completely including bucket, washing and other incidental works in the connection. The tube-well should have a min 50mm in between the outside of the tube-well pipe and the bore. (I no-1,e,ii P-50)				
	i) 150 mm dia boring	66.00	685.00	Mtr	45210.00
2	Packing the annular space between the outside of the tube-well pipes and strains and the bore with per size washed gravell of or the size approved by E.I.C. including the cost of all materials and equipment complete(I no-24, P-55)	1.52	2029.00	cum	3084.00
3	Washing and developing tube-well with air compressor pump and engine for eight houres continous pumping per day with necessary arrangement for testing the yeild ingallons including the line and labour charge for all tools and plants and scaffolding as required complete in all respect (I no-20, P-55)	1.00	7538.00	Day	7538.00
4	Supplying, fitting and fixing steel cutter piece upto 450 mm long with sockets. (i) 50 mm dia (Item no- 9, P- 53)	1.00	189.00	No	189.00
5	Supplying, fitting and fixing G.I. bend (i) 50 mm dia (Item no- 6,vi, P- 105)	1.00	360.00	No	360.00
6	Supplying, fitting and fixing of 50 mm dia MS Clamp (local qutation rate excludind GST)	1.00	254.32	No	254.00
7	Supplying, fitting and fixing of G.I. cap at top (ii)150 mm dia (Item no-18,ii, P-54)	1.00	503.00	No	503.00
8	Supply of Light duty (Schdule-40) high density polythene or PVC pipe at site as per ASTM D-1785				
	i)150mm dia pipe (local qutation rate excluding GST)	54.00	718.62	Mtr	38805.00
9	Supplying PVC strainer of approved make with adapter conforming to I.S.12818 specifications. 150mm dia (item no-6,v, p-52)	12.00	768.00	Mtr	9216.00
10	Supplying and Installation of submersible pump Ino 3.00 HP MS 66(Pump Type)ST 037 motor type approve brand, all complete as per direction of EIC (local qutation rate excluding GST)	1.00	22704.00	Set	22704.00
11	Supply of PVC pipes & fittings <b>Schedule 80 (medium duty)</b> conforming to ASTM D-1785 and threaded to match with GI Pipes as per IS : 1239 (Part - I) PVC pipe 50 dia. (Item no- 19(iii), P- 13)	30.00	282.00	Mtr	8460.00
12	Supplying, fitting & fixing Panel Board with Starter, Voltmetre, Ammeter, Capacitor, etc. all complete. Make - BCH / Approved make.(local qutation rate excluding GST)	1.00	3960.00	set	3960.00
13	Supplying fittings & fixing Meter Box making with GI sheet and GI angle with necessary locking arrangement and jamp the post with concrete all complete as per direction of EIC. (local qutation rate excluding GST)	40.00	66.00	KG	2640.00
14	Supplying and fixing 1.1 KV grade 4 sqmm 3 core copper cable for Submersible Pump-Motor set. Make - Finolex / Havells. (local qutation rate excluding GST)	36.00	70.40	Mtr	2534.00
15	Supplying and fixing 7X17 alumium wire for connection (local qutation rate excluding GST)	1.00	880.00	coil	880.00
16	Supplying fitting fixing and jointing of UPVC pipes (6.0 Kg/sqcm water pressure) class III conforming to IS : 4985-2000 with latest revision,if any with necessary UPVC/CI specials,CIDF sluice valves as per relevent IS specification including labour charges for earth work in excavation in any kind of soil(including mixed soil but excluding moorum and laterite or sand stone) loading,unloading carrying of pipes,specials ,valves from the local store to work site and lowering ,laying of pipes specials valves carefully in trenches maintaining proper line and level,joining the pipes and specials including supply of solvent cement..... with maintaining an average depth of cushion of 0.9 m from the top of pipe line including making interconnection with distribution pipes etc all complete. (local qutation rate excluding GST)				
	63 mm dia	150.00	168.82	Mtr	25323.00
	50 mm dia	470.00	134.43	Mtr	63182.00

17	Supplying, fitting and fixing in position GI pipes of Tata made for underground works with all necessary accessories special socket, bent, tee, union, cross, elbow, nipple material, cutting pipe, making threads, cutting trenches upto 1.5 m below surface in all sorts of social and refilling the same as directed. 65 mm dia, Light Duty (Item no-1(g,i), P-102)	3.00	426.00	Mtr	1278.00
18	Construction of RCC straight post with platform including tapping the dist main supplying the fitting fixing 12.5 mm dia brass ferrule with necessary saddle piece 19mm thick GI pipe with special 12.5 mm dia GI stop-cock 12.5 mm dia GI nipple 19mmX12.5mm dia GI R.Socket etc.All approved quality and also construction of stop cock chamber having GI surface box of approved quality all complete as per dept. type design and drawing (local quotation rate excluding GST)	13.00	4000.00	No	52000.00
<b>TOTAL</b>					288120.00
Add GST(6% CGST+6% SGST)On SI No A)B @12.0% Rs.					34574.00
Cost of Civi works excluding labour welfare cess Total (C=A+B)Rs.					322694.00
Labour welfare cess (on SI.no C)@1.0%D Rs.					3227.00
Cost of Civi works including labour welfare cess amount (E=C+D) Rs.					325921.00
Add Contingency (on SI.no C) @3.0% Rs.					9778.00
<b>TOTAL ESTIMATED COST</b>					335699.00
<b>TOTAL ESTIMATED COST IN WORDS- THREE LAKHS THIRTY FIVE THOUSANDS SIX HUNDRED NINETY</b>					