

**HLL LIFECARE LIMITED, KANAGALA
ANNEXURE**

Work : Drilling of Bore well.

Sl. No	Description	Unit	Qty	HLL Estimation	
				Rate	Amt
A	DIGGING OF BORE WELL				
1	Sinking of bore well of 165mm dia clear using fast rig in all strata including over burden upto 20mtr. Fixing of casing pipes,collars and cap with necessary cutting and threading including transportation of rig and supporting vehicles crew charges and cost of consumables etc., complete including yield testing at the final depth with minimum continuous working of compressor for one hour for piped water supply only Complete with all lead and lifts.				
a	00 to 50 meter	Rmt	50		
b	50 to 100 meter	Rmt	50		
c	100 to 150 meter	Rmt	50		
d	150 to 200 meter	Rmt	20		
2	Casing for bore well using 200mm PVC New pipe of 6kg/cm2 as directed by EIC.	Rmt	25		
3	Providing and fixing 200mm dia PVC/ MS cap	NO	1		
	Total amount A				
B	Mechanical works-Pump & piping				
1	7.5 HP Submersible pump set with motor make Texmo/Toro	NO	1		
2	Supply and Laying 2" PVC pipes including pipe fittings (Ashirwad or equivalent make 6kg/cm2 pressure pipes)	Rmt	165		
	Total amount B				
C	Electrical works				
1	Suply, installation and commissioning of Borewell Panel. The panel should be suitable size of 18-20 gauge MS powder coated seimens grey colour with suitable locking provision with double door along with following equipments. Specification: 1. FN S-D-F suitable for DI in SS enclosure of 63 amps 415 volt, ,CAT No- SK95613 Make:L&T with HF fuses of 25amps for main incoming-1 No. 2. submersible Pump Controller in Sheet enclosure Type FOR 7.5 HP Relay range 10-14 amps, MU-G10 DOL starter Cat No- SS95983 DOLO with dual meter (Ammeter and voltmeter) - Make:L&T. 3.The dry run preventor has to be provided in panel with its require wiring for control panel and borewell along with probe. 4. One CFL lamp of PL-11watt 230 volt for panel lighting. The Panel should be fixed and commissioned at 1.5 meter height from ground with suitable vertical and cross supports (MS Pole) after inspection and approval of Electrical -in charge.The starter, panel board should be earthed.	No	1		

2	Supply, laying and commissioning of 3 Corex 2.5 sqmm Flat flexible cable with bare bunched copper conductor with voltage grade 1100 volt as per IS 694/1990. Each borewell 150 meter. Therefore total length of cable is 300 meter (for 2 no's) Make: polycab/Finolex/havells for submersible pump. This cable should be laid along with submersible pump in borewell and connect to starter in panel board.	meter	175		
3	Earthing: The proper earthing by 12 SWG X2 run copper bare conductor from starter panel with pump has to be connect at earth pit. The earth pit to be made by GI pipe earthing of 2 inch dia of length 5 feet to be laid vertically in 7-10 feet depth along with charcoal and salt of 50 kg bag each and by close y soil.	No	1		
Total amount C					

TOTAL SUMMARY

A	DIGGING OF BORE WELL				
B	Mechanical works-Pump & piping				
C	Electrical works				
	Total amount A+B+C				

Contractor's seal with sign