

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- JURY, BLOCK- SHITALPUR, DISTT- ETAH
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 120 mtrs. depth. and Logged depth ~~113~~ mtrs. at above site. Was drilled by M/s Kalpataru Power Transmission limited, Etah.

On the request of M/s Kalpataru Power Transmission limited, Etah. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 20.May.2023.

Logging Para meters - Self potential, short normal (N-16), Long Normal (N-64), Lateral. Details of major Aquifer formations explored from logging of bore hole combined with the study of Strata Chart prepared from drill cuttings are given in the following table:-

Mud Resistivity = ~~16.37~~ Ohms.

Drilling Water Resistivity = ~~17.46~~ Ohms.

Approx Water Level = 12 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 15	10	Clay kankar	
3.	15 - 27	12	Fine to Medium sand	Medium
4.	27 - 31	4	Clay kankar	
5.	31 - 35	4	Medium sand	Medium
6.	35 - 38	3	Clay kankar	
7.	38 - 44*	6	Medium sand	Medium
8.	44 - 58	14	Clay kankar	
9.	58 - 70*	12	Fine to Medium sand	Medium
10.	70 - 80	10	Clay kankar	
11.	80 - 92*	12 10	Fine to Medium sand	Medium
12.	92 - 113	21	Clay kankar	

Ground Water Survey Consultancy



- Logging performed as per SWSM guidelines.
- Groundwater quality interpreted by firm as per their logger calibration by GSA
20/05/23