

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- KHETUPURA, BLOCK- JAITHRA, DISTT- ETAH
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 120 mtrs. depth. and Logged depth ~~110~~ 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 25.June.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 = ~~15.52~~ Ohms.

Drilling Water Resistivity = ~~16.60~~ 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 - 12	7	Dry sand	
3.	12 - 16	4	Fine sand	
4.	16 - 25	9	Clay kankar	
5.	25 - 27	2	Fine sand	Medium
6.	27 - 34	7	Clay kankar	
7.	34 - 40*	6	Medium sand	Medium
8.	40 - 48	8	Clay kankar	
9.	48 - 51*	3	Medium sand	Medium
10.	51 - 68	17	Clay kankar	
11.	68 - 75*	7	Fine to med sand	Medium
12.	75 - 92	17	Clay kankar	
13.	92 - 96*	4	Fine to med sand	Medium
14.	96 - 110	14	Caly kankar	

Ground Water Survey Consultancy



- Logging performed as per SWSM guidelines.
- Groundwater quality interpreted by firm as per their logger calibration
G.Gh
20/06/23