

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- HAZRATPUR KARANPUR, BLOCK- MARHERA, DISTT- ETAH
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 120 mtrs. depth. and Logged depth ~~120~~ 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 23.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 = ~~15.87~~ Ohms.

Drilling Water Resistivity = ~~16.56~~ Ohms.

Approx Water Level = 8 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 8	3	Dry sand	
3.	8 - 17	9	Fine sand	
4.	17 - 20	3	Clay kankar	
5.	20 - 35	15	Fine to Medium sand	Medium
6.	35 - 41	6	Clay kankar	
7.	41 - 47*	6	Fine to Medium sand	Medium
8.	47 - 55	8	Clay kankar	
9.	56 - 76*	20	Medium sand & kankar	Medium
10.	76 - 85	9	Clay kankar	
11.	85 - 105*	20	Medium sand & kankar	Medium
12.	105 - 120	15	Clay kankar	

- Logging performed as per SWSM guidelines.



- Groundwater quality interpreted by fem as per their logger calibration
G.R.H.
25/05/23