

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- NOZARPUR, BLOCK- NIDHAULI KALAN, DISTT- ETAH
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 110 mtres. depth. and Logged depth 110 mtres. 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.Mar.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 = 15.59 Ohms.

Drilling Water Resistivity = 16.70 Ohms.

Approx Water Level = 6 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 6	1	Dry sand	
3.	6 - 10	4	Clay	
4.	10 - 18	8	Medium sand	Medium
5.	18 - 30	12	Clay kankar	
7.	30 - 39	9	Medium sand	Medium
8.	39 - 46	7	Clay kankar	
9.	46 - 54*	8	Medium sand	Medium
10.	54 - 70	16	Clay kankar	
11.	70 - 80*	10	Medium sand	Medium
12.	80 - 85	5	Clay kankar	
13.	85 - 90*	5	Medium sand	Medium
14.	90 - 100	10	Clay kankar	
15.	100 - 105	5	Sandy clay	
16.	105 - 110	5	Clay kankar	

- Logging performed after

SWSM guidelines.

- Groundwater quality interpreted by firm as per their logger calibration

Ground Water Survey Consultancy
Agra



21/02/23