

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- MOHARA MUKAMPUR, BLOCK- NIDHOLI KALAN, DISTT- ETAH
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 110 mtrs. depth. and Logged depth ~~103~~ 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 05.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 = ~~14.38~~ Ohms.

Drilling Water Resistivity = ~~15.44~~ Ohms.

Approx Water Level = 15 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 12	7	Clay kankar	
3.	12 - 19	7	Medium sand	
4.	19 - 25	6	Clay kankar	
5.	25 - 40	15	Medium sand	Medium
6.	40 - 42	2	Clay kankar	
7.	42 - 47	5	Fine to Medium sand	Med to Marginally
8.	47 - 50	3	Clay kankar	
9.	50 - 60 <i>59</i>	10 <i>7</i>	Fine to Medium sand	Med to Marginally
10.	60 - 65	5	Clay kankar	
11.	65 - 75*	10	Fine to Medium sand	Med to Marginally
12.	75 - 85	10	Clay kankar	
13.	85 - 94*	9	Medium sand	Medium
14.	94 - 103	9	Clay kankar	

Ground Water Survey Consultancy



- Logging performed as per SWM guidelines
- Ground water quality not controlled by firm as per their logger calibration
GSR
07/06/23.