

REPORT ON GEOPHYSICAL WELL LOGGING AT

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

Introduction :

A Deep bore hole was drilled 110 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 03.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 = 14.23 Ohms.
Drilling Water Resistivity = 15.84 Ohms.
Approx Water Level = 18 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 - 14	2	Clay kankar	
4.	14 - 18	4	Fine to Medium sand	
5.	18 - 25	7	Clay kankar	
6.	25 - 32	7	Medium sand	Medium
7.	32 - 39	7	Clay kankar	
8.	39 - 43	4	Fine to Medium sand	Medium
9.	43 - 50	7	Clay kankar	
10.	50 - 53*	3	Fine to Medium sand	Medium
11.	43 - 58	15	Clay kankar	
12.	58 - 68*	10	Medium sand	Medium
13.	68 - 72	4	Clay kankar	
14.	72 - 83*	11	Medium sand	Medium
15.	83 - 90	7	Clay kankar	
16.	90 - 99*	9	Medium sand	Medium
17.	99 - 110	11	Clay kankar	



Ground Water Survey Agency, Agra

Logging performed as per

IS 15859 guidelines.
Ground water quality interpreted by form as per their logper calibration

S.S. 01/03/23