

REPORT ON GEOPHYSICAL WELL LOGGING AT

RAM PANCHAYAT- JAWAHARPUR ARATHERA, BLOCK- SHITALPUR, 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 27.April.2024.

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 = 13.02 Ohms.

Drilling Water Resistivity = 15.48 Ohms.

Approx Water Level = 9 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 10	5	Clay Kankar	
3.	10 - 12	2	Fine sand	
4.	12 - 18	6	Clay kankar	
5.	18 - 35	17	Meium sand	Medium
6.	35 - 40	5	Clay kankar	
7.	40 - 45*	5	Medium sand	Medium
8.	45 - 50	5	Clay Kankar	
9.	50 - 53	3	Fine sand	Med to marginally
10.	53 - 76	23	Clay kankar	
11.	76 - 83	7	Fine sand	Marginally saline
12.	83 - 110	27	Clay kankar	

Ground Water Survey Consultancy

Agra

