

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- JATAURA BHAN, BLOCK- ALIGANJ, DISTT- ETAH
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 110 mtrs. depth. and Logged depth 107 mtrs. at above site. Was drilled by M/s JMC Projects India Limited, Etah

On the request of M/s JMC Projects India Limited, Etah. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 25.Nov.2022.

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 = 16.62 Ohms.

Drilling Water Resistivity = 16.71 Ohms.

Approx Water Level = 11 Mt.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 10	5	Sandy clay	
3.	10 - 17	7	Fine sand	
4.	17 - 25	8	Clay kankar	
5.	25 - 30	5	Fine to Medium sand	
6.	30 - 38	8	Clay kankar	
7.	38 - 42	4	Fine sand	
8.	42 - 54	12	Clay kankar	
9.	54 - 60*	6	Medium sand & Kankar	Medium
10.	60 - 63	3	Clay kankar	
11.	63 - 72*	9	Medium sand & Kankar	Medium
12.	72 - 80	8	kankar	
13.	80 - 86	6	Clay kankar	
14.	86 - 95*	9	Fine to Medium sand	Medium
15.	95 - 103	8	Sandy clay	
16.	103 - 107	4	Fine sand	

Ground Water Survey Consultancy



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