

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- GANPATI BARIHAPUR, BLOCK- JAITHIRA, DISTT- ETAH
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 120 mtrs. depth. and Logged depth 120 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.April.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 = 15.59 Ohms.

Approx Water Level = 12 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 10	5	Dry sand	
3.	10 - 12	2	Clay	
4.	12 - 19	7	Fine to Medium sand	Medium
5.	19 - 21	2	Clay kankar	
6.	21 - 33	12	Medium sand	Medium
7.	33 - 40	7	Clay kankar	
8.	40 - 51*	11	Medium sand	Medium
9.	51 - 57	6	Clay kankar	
10.	57 - 67*	10	Medium sand	Medium
11.	67 - 75	8	Clay kankar	
12.	75 - 93*	18	Medium sand	Medium
13.	93 - 120	27	Clay kankar	

Ground Water Survey Consultancy -



- Logging performed as per GWSM guidelines. Groundwater quality interpreted by firm on per their logger calibration

G.S.H.
06/04/23