

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- SAREILI, BLOCK- MITAULI, DISTT- LAKHIMPUR KHIRI UNDER JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 165 mtrs. depth. and Logged depth 165 mtrs. at above site. Was drilled by M/s NCC, Lakhimpur Khiri.

On the request of M/s NCC, Lakhimpur Khiri. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 18.Aug.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 = 25.32 Ohms.

Drilling Water Resistivity = 26.74 Ohms.

Approx Water Level = 5 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 10	5	Fine sand	
3.	10 - 25	15	Clay kankar	
4.	25 - 36	11	Medium sand	Good
5.	36 - 45	9	Clay kankar	
6.	45 - 60*	15	Medium sand	Good
7.	60 - 67	7	Clay kankar	
8.	67 - 75*	8	Medium sand	Good
9.	75 - 100	25	Clay kankar	
10.	100 - 115*	15	Medium sand	Good
11.	115 - 122	7	Clay kankar	
12.	122 - 135*	13	Medium sand	Good
13.	135 - 140	5	Clay kankar	
14.	140 - 153*	13	Medium sand	Good
15.	153 - 163	10	Clay kankar	
16.	163 - 165	2	Fine to Medium sand	Good

Ground Water Survey Consultancy

