

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- TENDUBAI, BLOCK- KUMBHI GOLA,
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 15.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 = 24.66 Ohms.

Drilling Water Resistivity = 25.40 Ohms.

Approx Water Level = 8 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 10	5	Clay	
3.	10 - 24	14	Medium sand	
4.	24 - 30	6	Clay kankar	
5.	30 - 40	10	Medium sand	Good
6.	40 - 46	6	Clay kankar	
7.	46 - 52*	6	Medium sand	Good
8.	52 - 55	3	Clay kankar	
9.	55 - 84*	29	Medium sand & kankar	Good
8.	84 - 92	8	Clay kankar	
9.	92 - 102*	10	Medium sand	Good
10.	102 - 117	15	Clay kankar	
11.	117 - 127*	10	Medium sand	Good
12.	127 - 135	15	Clay kankar	
13.	135 - 142*	7	Medium sand	Good
14.	142 - 152	10	Clay kankar	
15.	152 - 165*	13	Medium sand	Good

Ground Water Survey Consultancy

