

REPORT ON GEOPHYSICAL WELL LOGGING
AT
GRAM PANCHAYAT- NEBUA BOHJ ZONE- 2, BLOCK- PALIYA,
DISTT-LAKHIMPUR KHIRI
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 200 mtrs. depth. and Logged depth 200 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 28.Dec.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:-

Location = Trilokpur 2nd

Mud Resistivity = 20.09 Ohms.

Latitude = 28.407344°

Drilling Water Resistivity = 21.42 Ohms.

Longitude = 80.509453°

Approx Water Level = 2 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 22	17	Fine to Medium sand	
3.	22 - 30	8	Clay kankar	
4.	30 - 47	17	Medium sand	Good
5.	47 - 60	13	Clay kankar	
6.	60 - 65*	5	Medium sand	Good
7.	65 - 70	5	Clay kankar	
8.	70 - 81*	11	Medium sand	Good
9.	81 - 88	7	Clay kankar	
10.	88 - 100*	12	Medium sand	Good
11.	100 - 110	10	Clay kankar	
12.	110 - 130*	20	Medium sand	Good
13.	130 - 135	5	Clay kankar	
14.	135 - 140*	5	Medium sand	Good
15.	140 - 145	5	Clay kankar	
16.	145 - 155*	10	Medium sand	Good
17.	155 - 165	10	Clay kankar	
18.	165 - 173*	8	Medium sand	Good
19.	173 - 176	3	Clay kankar	
20.	176 - 180*	4	Medium sand	Good
21.	180 - 195	15	Clay kankar	
22.	195 - 200*	5	Medium sand	Good

Ground Water Survey Consultancy

