



# REPORT ON GEOPHYSICAL WELL LOGGING AT

## GRAM PANCHAYAT- SOHAUNA, BLOCK- PASGAWAN, 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 03.Sep.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 = 17.40 Ohms.

Drilling Water Resistivity = 18.20 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 - 14	9	Clay kankar	
3.	14 - 20	6	Medium sand	Good
4.	20 - 25	5	Clay kankar	
5.	25 - 41	16	Medium sand	Good
6.	41 - 45	4	Clay kankar	
7.	45 - 66*	21	Medium sand & kankar	Good
8.	66 - 76	10	Clay kankar	
9.	76 - 98*	22	Medium sand & kankar	Good
10.	98 - 111	13	Clay kankar	
11.	111 - 120*	9	Medium sand	Good
12.	120 - 130	10	Clay kankar	
13.	130 - 142*	12	Medium sand	Good
14.	142 - 155	13	Clay kankar	
15.	155 - 165*	10	Medium sand	Good

Ground Water Survey Consultancy

