

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- SANIGAVA, BLOCK- BEHJAM, 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 11.May.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 = ~~19.40~~ Ohms.

Drilling Water Resistivity = ~~20.50~~ Ohms.

Approx Water Level = 9 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 15	10	Clay kankar	
3.	15 - 28	13	Fine sand	Good
4.	28 - 40	12	Clay kankar	
5.	40 - 65*	25	Medium sand	Good
6.	65 - 73	8	Clay kankar	
7.	73 - 80*	7	Medium sand	Good
8.	80 - 86	6	Clay kankar	
9.	86 - 102*	16 12	Medium sand	Good
10.	102 - 109	7	Clay kankar	
11.	109 - 121*	12 11	Medium sand	Good
12.	121 - 140	19	Clay kankar	
13.	140 - 145*	5	Medium sand	Good
14.	145 - 151	6	Clay kankar	
15.	151 - 165*	14	Medium sand	Good



- Logging performed as per SWM guidelines
- Groundwater quality interpreted by firm as per their logger calibration
G.S.H.