

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- CHAPARTALA, 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 11.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 = 23.40 Ohms.

Drilling Water Resistivity = 24.71 Ohms.

Approx Water Level = 12 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 12	7	Dry sand	
3.	12 - 25	13	Clay kankar	
4.	25 - 34	9	Medium sand	Good
5.	34 - 44	10	Clay kankar	
6.	44 - 52	8	Medium sand	Good
7.	52 - 76	24	Clay kankar	
8.	76 - 101*	25	Medium sand & kankar	Good
9.	101 - 111	10	Clay kankar	
10.	111 - 138*	27	Medium sand	Good
11.	139 - 141	2	Clay kankar	
12.	141 - 150	9	Fine sand	Good
13.	150 - 155	5	Clay kankar	
14.	155 - 165*	10	Medium sand	Good

Ground Water Survey Consultancy

