

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- SIKANDRABAD ZONE -I, BLOCK- KUMBHI GOLA,
DISTT-LAKHIMPUR KHIRI
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 165 mtrs. depth. and Logged depth 158 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 13.Oct.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 = 19.08 Ohms.

Drilling Water Resistivity = 20.32 Ohms.

Approx Water Level = 6 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 7	2	Clay kankar	
3.	7 - 20	13	Kankar & sand	
4.	20 - 29	9	Clay kankar	
5.	29 - 35	6	Fine to Medium sand	Good
6.	35 - 46	11	Clay kankar	
7.	46 - 64*	18	Medium sand & kankar	Good
8.	64 - 74	10	Clay kankar	
9.	74 - 85*	11	Medium sand	Good
10.	85 - 95	10	Clay kankar	
11.	95 - 101*	6	Fine to Medium sand	Good
12.	101 - 115	14	Clay kankar	
13.	115 - 125*	10	Medium sand	Good
14.	125 - 143	18	Clay kankar	
15.	143 - 145	2	Fine to Medium sand	Good
16.	145 - 158	13	Clay kankar	

Ground Water Survey Consultancy
Agra

