

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- CHHICHHAUNA, BLOCK- KUMBHI GOLA,
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 08.April.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 = 25.36 Ohms.

Drilling Water Resistivity = 26.76 Ohms.

Approx Water Level = 8 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 10	5	Clay	
3.	10 - 20	10	Fine sand	Good
4.	20 - 30	10	Clay kankar	
5.	30 - 37	7	Fine sand	Good
6.	37 - 42	5	Clay kankar	
7.	42 - 86*	44	Medium sand	Good
8.	86 - 95	9	Clay kankar	
9.	95 - 101*	6	Medium sand	Good
10.	101 - 111	10	Clay kankar	
11.	111 - 125*	14	Medium sand	Good
12.	125 - 132	7	Clay kankar	
13.	132 - 138*	6	Fine to Medium sand	Good
14.	138 - 143	5	Clay kankar	
15.	143 - 155*	12	Medium sand	Good
16.	155 - 161	6	Clay kankar	
17.	161 - 165*	4	Medium sand	Good

Ground Water Survey Consultancy

Agra

(17/4/23)