

# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- KHANPUR GURAILA, BLOCK- LAKHIMPUR  
DISTT-LAKHIMPUR KHIRI  
UNDER  
JAL JIVAN MISSION

## Introduction :

A Deep bore hole was drilled 170 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 07.Dec.2022.

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 = ~~15.90~~ Ohms.

Drilling Water Resistivity = ~~15.45~~ 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 - 24	19	Fine to Medium sand	Medium
3.	24 - 29	5	Clay kankar	
4.	29 - 38	9	Medium sand	Medium
5.	38 - 42	4	Clay kankar	
<del>6.</del>	42 - 55*	13	Medium sand	Medium
<del>7.</del>	55 - 60	5	Clay kankar	
<del>8.</del>	60 - 81*	21	Medium sand	Medium
9.	81 - 92	11	Clay kankar	
10.	92 - 110*	18	Medium sand & Kankar	Medium
11.	110 - 120	10	Kankar	
<del>12.</del>	120 - 135*	15	Medium sand	Medium
13.	135 - 140	5	Clay kankar	
14.	140 - 151*	11	Medium sand	Medium
15.	151 - 161	10	Clay kankar	
<del>16.</del>	161 - 165*	4	Medium sand	Medium

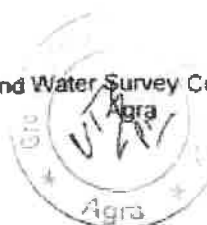
Sr No 6-42-53

Sr No 8-60-66

71-81

Sr No 12-120-133

Ground Water Survey Consultancy



Logging performed as  
per SWSM guidelines  
G.W quality interpreted  
by team

G. S. N.  
S. K. S.