



# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- DHAKHIYA BUJURG, 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 Ltd., Lakhimpur Khiri.

On the request of M/s NCC Ltd., Lakhimpur Khiri. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 27.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 = 19.42 Ohms.

Drilling Water Resistivity = 20.08 Ohms.

Approx Water Level = 4.5 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 15	10	Fine sand & kankar	
3.	15 - 20	5	Clay kankar	
4.	20 - 40	20	Medium sand	Good
5.	40 - 49	9	Clay kankar	
6.	49 - 52	3	Medium sand	Good
7.	52 - 58	6	Clay kankar	
8.	58 - 67*	9	Medium sand	Good
9.	67 - 75	8	Clay kankar	
10.	75 - 85*	10	Medium sand	Good
11.	85 - 100	15	Clay kankar	
12.	100 - 124*	24	Medium sand	Good
13.	124 - 152	28	Clay kankar	
14.	152 - 160*	8	Medium sand	Good
15.	160 - 165	5	Clay kankar	

Ground Water Survey Consultancy

