REPORT ON GEOPHYSICAL WELL LOGGING
AT

GRAM PANCHAYAT- LAUKI KHERA & MUKUNDPUR, BLOCK- MOHAMMADI, DISTT-LAKHIMPUR KHIRI
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 176 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 05.Jan.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 = 15.83 Ohms.

Drilling Water Resistivity = 16.72 Ohms.

Approx Water Level = 9 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 9	4	Dry sand	
3.	9 - 24	15	Fine to Medium sand	Medium
4.	24 - 30	6	Clay kankar	
5.	30 - 60*	30	Medium sand	Medium
6.	60 - 62	2	Clay kankar	
7.	62 - 85*	23	Medium sand	Medium
8.	85 - 92	7	Clay kankar	
9.	92 - 108*	16	Medium sand	Medium
10.	108 - 120	12	Clay kankar	
11.	120 - 134*	14	Medium sand	Medium
12.	134 - 136	2	Kankar	
13.	136 - 150*	14	Medium sand	Medium
14.	150 - 153	3	Clay kankar	
15.	153 - 165	12	Sandy clay	

Ground Water Survey Consultancy

Agra

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Logging performed as per SWSM guidlines
Groundwater quality interpreted by firm as per their logger calibration
G.Sh
07/01/23

Side Lauki khurad Mukundpur, Block - Mohan…

[illegible]

4 cm³

Rep. Dish - 1000 LPM

A. Size - 300 x 150 mm
30

L. depth - 165

Repeat - 5 1/23

30 - 60 = 30

62 - 85 = 23

92 - 108 = 16 ⇒ 12

120 - 134 = 14 ⇒ 12

136 - 150 = 14 ⇒ 6