REPORT ON GEOPHYSICAL WELL LOGGING
AT

GRAM PANCHAYAT- BAIRAGAR, 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 26.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 = 20.83 Ohms.

Drilling Water Resistivity = 21.72 Ohms.

Approx Water Level = 3 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 18	13	Clay kankar	
3.	18 - 36	18	Medium sand	Medium
4.	36 - 41	5	Clay kankar	
5.	41 - 81*	40	Medium sand	Medium
6.	81 - 83	2	Clay kankar	
7.	83 - 94*	11	Fine to Medium sand	Medium
8.	94 - 100	6	Clay kankar	
9.	100 - 121*	21	Medium sand	Medium
10.	121 - 125	4	Clay kankar	
11.	125 - 142*	17	Medium sand	Medium
12.	142 - 145	3	Clay kankar	
13.	145 - 156*	11	Medium sand	Medium
14.	156 - 165	9	Clay kankar	

Sr No 7-8-93
Sr No 9-100-107
and 115-121

Ground Water Survey Consultancy
Agra

- Logging performed as per SWSM guidlines
- Groundwater quality interpreted by fem as per their logger calebration

G.Sh
28/12/22

Bou ra ga? / Block - ...

$\frac{44}{35m^3}$ $\underline{37m^3}$

Rep. dish – 600 ppm

A size – 200 x 150 mm
24

Report – 28/12/m

41 – 81 = 40

83 – 94 = 11 (88 – 93 = 5)

100 – 121 = 21 [100 – 107 = 7] = 6
[115 – 121 = 6] = 3

125 – 142 = 17 = 15

145 – 156 = 11