REPORT ON GEOPHYSICAL WELL LOGGING
AT

GRAM PANCHAYAT- KUWANPUR, BLOCK- MOHAMMADI, DISTT-LAKHIMPUR KHIRI
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 165 mtrs. depth. and Logged depth 160 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 22.Feb.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 = 16.79 Ohms.

Drilling Water Resistivity = 18.23 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 - 10	5	Clay kankar	
3.	10 - 22	12	Sand & kankar	Medium
4.	22 - 25	3	Clay kankar	
5.	25 - 37	12	Medium sand	Medium
6.	37 - 45	8	Clay kankar	
7.	45 - 62*	17	Medium sand	Medium
8.	62 - 66	4	Clay kankar	
9.	66 - 74*	8	Medium sand	Medium
10.	74 - 80	6	Clay kankar	
11.	80 - 102*	22	Medium sand & kankar	Medium
12.	102 - 111	9	Clay kankar	
13.	111 - 133*	22	Medium sand & kankar	Medium
14.	133 - 140	7	Kankar	
15.	140 - 152*	12	Medium sand	Medium
16.	152 - 155	3	Clay kankar	
17.	155 - 160*	5	Fine to Medium sand	Medium

Sr No 7 - 45-62 (15m)
Sr No 13 - 111-131 (20m)

Ground Water Survey Consultancy Agra

- Logging performed as per SWSM guidelines.
- Ground water quality interpreted by firm as per their logger calibration

23/02/23

NCC
JJM-2

Kuwanpur, mohammadi

37.m³

Discharge -

A·53 e - 200X150mm
18

Report - 22²/23

45-62 = 17 [45-60 = 15]

66 - 74 = 8

80 - 102 = 22 ⇒ 6

111 - 133 = 22 [111-131 = 20] ⇒12

140-152 = 12

155-160.