

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- KESHAVPUR GURAILA, BLOCK- LAKHIMPUR,
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, 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.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:

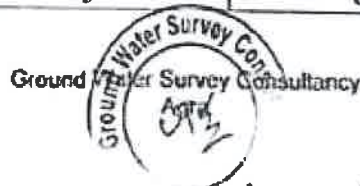
Mud Resistivity = ~~22.83~~ Ohms.

Drilling Water Resistivity = ~~23.72~~ Ohms.

Approx Water Level = 6 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 15	10	Clay kankar	
3.	15 - 40	25	Medium sand	Good
4.	40 - 49	9	Clay kankar	
5.	49 - 57*	8	Medium sand	Good
6.	57 - 60	3	Clay kankar	
7.	60 - 88*	18	Medium sand	Good
8.	88 - 95	7	Clay kankar	
9.	95 - 107*	12	Medium sand	Good
10.	107 - 110	3	Clay kankar	
11.	110 - 118*	8	Medium sand	Good
12.	118 - 121	3	Clay kankar	
13.	121 - 141*	20	Medium sand	Good
14.	141 - 147	6	Clay	
15.	147 - 160*	13	Medium sand	Good
16.	160 - 165	5	Clay kankar	

SrNo7 and 9 have bands of kankar.



Logging performed as per SWSM guidelines
Groundwater quality interpreted by firms as per their logger calibration
GSh
Scanned with CamScanner

NCC
10m³

Keshavpur Kuraila, UCD, LHP

42m³

Rep. dish - 900 um

A-3530 - 300 x 150 mm

L depth -

0.5

Report - 7/23

49 - 57 = 8

60 - 88 = 18

95 - 107 = 12 = 9

110 - 118 = 8 = 6

121 - 141 = 20 = ~~18~~ 12

147 - 160 = 13

47.5

0.20

47.7

6.0

6.0

6.0

6.0

6.0

6.0

6.0

6.0

95.7

6.0 ||| |||

3.0 ||| |||

104.7

6.0

6.0

3.0

110.7

6.0 ||| ||| |||

116.7

6.0

122.7

6.0 ||| |||

6.0 ||| |||

134.7

6.0

140.7