

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- RAIPUR GRAND, BLOCK- KUMBI GOLA,
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 09.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 = ~~16.83~~ Ohms.

Drilling Water Resistivity = ~~17.72~~ 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 - 10	5	Fine sand	
3.	10 - 16	6	Clay kankar	
4.	16 - 24	8	Medium sand	Medium
5.	24 - 26	2	Clay kankar	
6.	26 - 40	14	Medium sand	Medium
7.	40 - 49	9	Clay kankar	
8.	49 - 65*	16	Medium sand	Medium
9.	65 - 72	7	Clay kankar	
10.	72 - 90*	18	Medium sand & kankar	Medium
11.	90 - 105	15	Clay kankar	
12.	105 - 125*	20	Medium sand	Medium
13.	125 - 128	3	Clay kankar	
14.	128 - 155*	27	Medium sand	Medium
15.	155 - 165	10	Clay kankar	



- Logging performed as per
SWSM guidelines
- Groundwater quality
interpreted by firm as
per their logger |
calibration

G.Sh
1 of 09/23
Scanned with CamScanner

