

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- AMGHAT KORIYA TALUKEDAR, BLOCK- BEHJAM,
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 21.May.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 = ~~22.76~~ Ohms.

Drilling Water Resistivity = ~~23.42~~ Ohms.

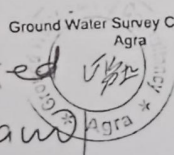
Approx Water Level = 8 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 15	10	Fine sand	
3.	15 - 25	10	Clay kankar	
4.	25 - 35	10	Medium sand	Good
5.	35 - 48	13	Clay kankar	
6.	48 - 80*	32	Medium sand	Good
7.	80 - 107	27	Clay kankar	
8.	107 - 125*	18	Medium sand	Good
9.	125 - 132	7	Clay kankar	
10.	132 - 137*	5	Medium sand	Good
11.	137 - 146	9	Clay kankar	
12.	146 - 151*	5	Medium sand	Good
13.	151 - 160	9	Clay kankar	

Sr No 6-

48-70 - Kankar Intermixed

70-80 - Clean Sand



G. Sh
22/05/23

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

Dt - 23/05/23

At - Gp - Am bhat Kosim Talukedar Block - Bahjan LKP
 loc - 5 godm size - 200x150 / 24mt

Lagging Dt - 21/05/23

6 - 48 - 70 = Kanke
 70 - 80 - Clean sand = g

8 - 107 - 125 = 18 = 15

10 - 132 - 137 = 5

12 - 146 - 151 = 5

Total = 48 + 20 + 22.80
 + 36 + 24

= 131 - 0.5 Ah

= 130.50

~~o/p~~
 23/05/23

