

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- TEGUNKHURMNAGAR, BLOCK- MOHAMMADI,
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 06.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:

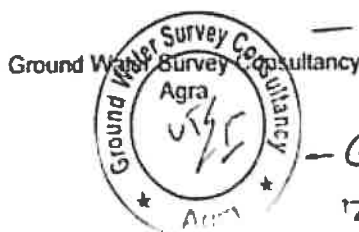
Mud Resistivity = ~~16.83~~ Ohms.

Drilling Water Resistivity = ~~17.72~~ Ohms.

Approx Water Level = 9 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 9	4	Clay	
3.	9 - 20	11	Medium sand	
4.	20 - 25	5	Clay kankar	
5.	25 - 35	10	Medium sand	Medium
6.	35 - 55	20	Clay kankar	
7.	55 - 64*	9	Medium sand & kankar	Medium
8.	64 - 69	5	Clay kankar	
9.	69 - 75*	6	Medium sand	Medium
10.	75 - 81	6	Clay kankar	
11.	81 - 107*	26	Medium sand	Medium
12.	107 - 115	8	Clay kankar	
13.	115 - 127*	12	Medium sand	Medium
14.	127 - 135	8	Clay kankar	
15.	135 - 155*	20	Medium sand	Medium
16.	155 - 165	10	Clay kankar	

Sr No 7-55-62 (7m)



— Logging performed as per
SWSIA guidelines.
— Ground water quality
interpreted by firm as per
their logger calibration

Scanned with CamScanner
G Sh
23

NCC
Jm-3

Tegunthorm Nagar, Block - mohammadi

42m³

Rep. dish - 1000 Lpm

A size - 300X150mm

L depth - 165mt

Repd - 6 1/23

$$55 - 64 = 9 \quad \left(\begin{array}{l} 55-52 \\ = 3 \end{array} \right)$$

$$69 - 75 = 6$$

$$81 - 107 = 26 \Rightarrow 15$$

$$115 - 127 = 12 \Rightarrow 9$$

$$135 - 155 = 20 \Rightarrow 6$$

		0.5
		47.5
	0.20	47.7
	6.0	
	6.0	
	6.0	
	6.0	
	6.0	
	6.0	
	6.0	89.7
6.0		
6.0		
3.0		104.7
	6.0	
	6.0	
6.0		116.7
3.0		
	6.0	125.7
	6.0	
6.0		137.7
		143.7
	6.0	149.7