

NCC(L)
P-3

Bahadur Nagar, mohammadi

Discharge - 690 LPM

A-size - 300 X 150 mm

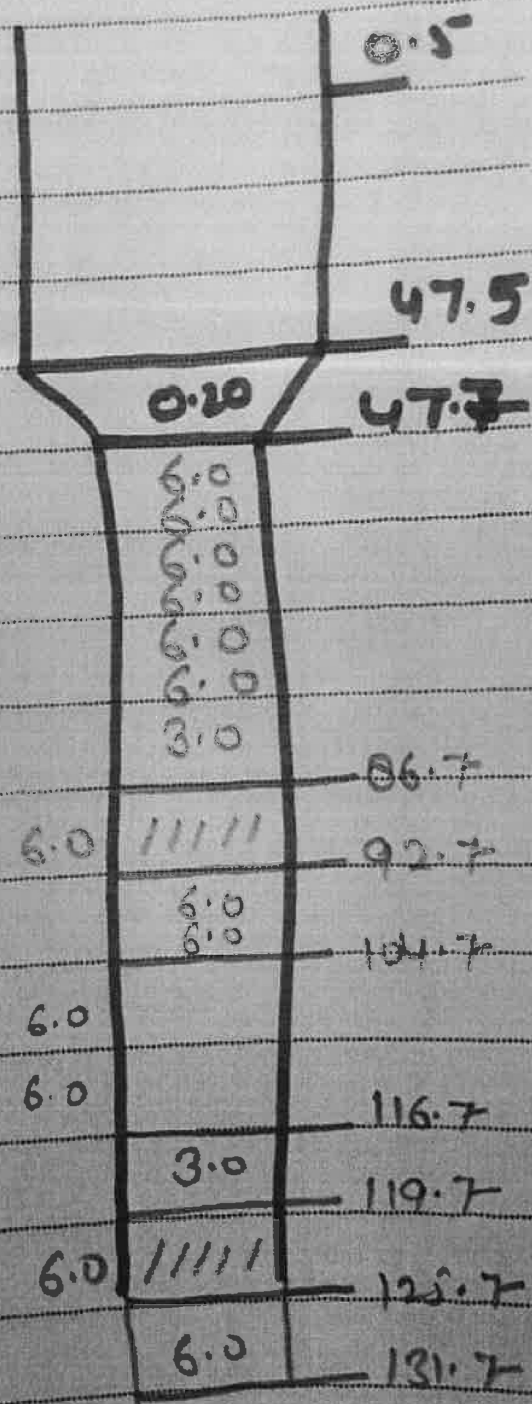
Repd - 13/27

$$50 - 64 = 14$$

$$85 - 95 = 10 \Rightarrow 6$$

$$100 - 129 = 29 \Rightarrow 18$$

$$133 - 144 = 15$$



REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- BAHADURNAGAR, BLOCK- MOHAMMADI,
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 13.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 = 21.20 Ohms.

Drilling Water Resistivity = 23.62 Ohms.

Approx Water Level = 9Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 9	4	Dry sand	
3.	9 - 16	7	Clay kankar	
4.	16- 21	5	Fine sand	Good
5.	21- 25	4	Clay Kankar	
6.	25 - 45	20	Medium sand	Good
7.	45 - 50	5	Clay kankar	
8.	50 - 64*	14	Medium sand	Good
9.	64 - 85	21	Clay kankar	
10.	85 - 95*	10	Medium sand	Good
11.	95 - 100	5	Clay kankar	
12.	100 - 129*	29	Medium sand	Good
13.	129 - 133	4	Clay kankar	
14.	133 - 148*	15	Medium sand	Good
15.	148 - 155	7	Clay kankar	
16.	155 - 165*	10	Medium sand	Good

Sr NO 14 - Kankar

Intermixed

G.Sh
15/05/23



- Logging performed as per
SWSM guidelines.

- Groundwater quality
interpreted by firm
as per their logger
calibration.