



# REPORT ON GEOPHYSICAL WELL LOGGING AT

## GRAM PANCHAYAT- MITAULI, BLOCK- MITAULI, 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 20.Nov.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:-

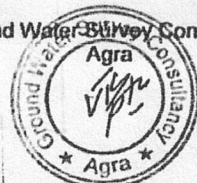
Mud Resistivity = 22.89 Ohms.

Drilling Water Resistivity = 23.54 Ohms.

Approx Water Level = 2.5 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 9	4	Fine sand	
3.	9 - 14	5	Clay	
4.	14 - 16	2	Fine to Medium sand	Good
5.	16 - 24	8	Clay kankar	
6.	24 - 35	11	Medium sand	Good
7.	35 - 42	7	Clay kankar	
8.	42 - 55*	13	Medium sand	Good
9.	55 - 65	10	Clay kankar	
10.	65 - 72*	7	Medium sand	Good
11.	72 - 85	13	Clay kankar	
12.	85 - 90*	5	Medium sand	Good
13.	90 - 100	10	Clay kankar	
14.	100 - 115*	15	Medium sand	Good
15.	115 - 120	5	Clay kankar	
16.	120 - 141*	21	Medium sand	Good
17.	141 - 156	15	Clay kankar	
18.	156 - 165*	9	Medium sand	Good

Ground Water Survey Consultancy



REPORT ON GEOLOGICAL WELL LOGGING

JUNE AT

22/11/23

Block Mitaauli Dist - Lakhimpur

20x-3 40x-1

Prof - 10800 PM

Size - 300x150

30m

0.5 AGL

Logging on 26/11/23

8 - 42-55 = 13

10 - 65-72 = 7 X

12 - 85-90 = 5 X

14 - 100-115 = 15

16 - 120-141 = 21

18 - 156-165 = 9

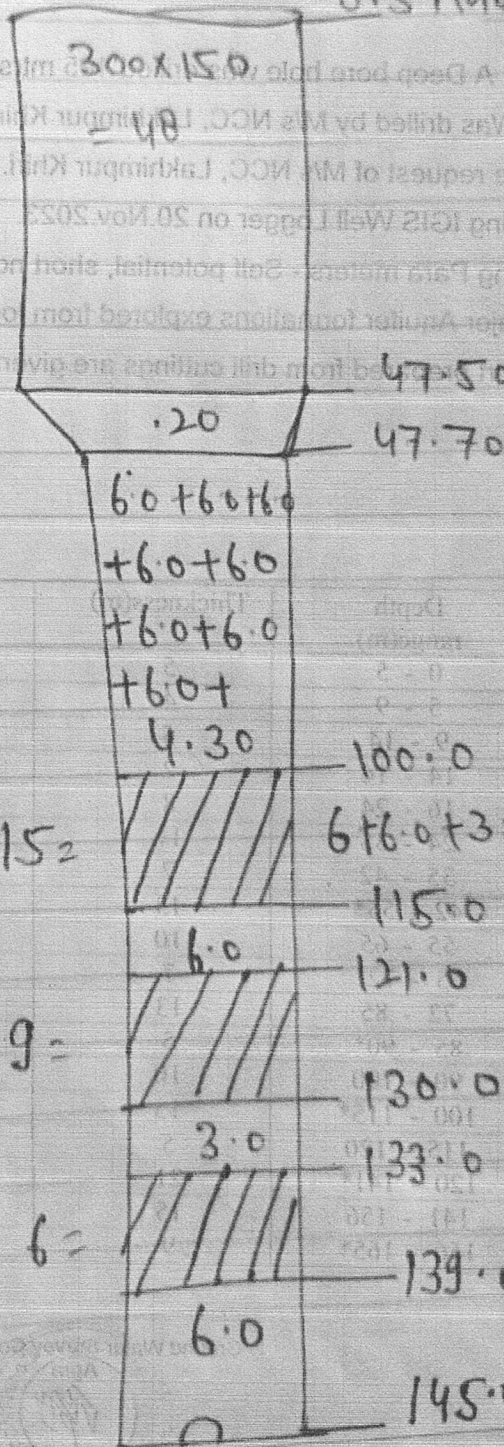
Total = 48 + 20 + 52.30

+ 15.0 + 30

= 145.50 - 0.50

= 145.0

22/11/23



JULY		2023					
W	M	T	W	T	F	S	S
26	27	28	29	30	31	1	2
27	28	29	30	31	1	2	3
28	29	30	31	1	2	3	4
29	30	31	1	2	3	4	5
30	31	1	2	3	4	5	6