

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- KARANPUR MUVEYYA, BLOCK- BEHJAM,
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 03.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 = 20.59 Ohms.

Drilling Water Resistivity = 21.85 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 - 8	3	Clay kankar	
3.	8 - 16	8	Fine sand	Good
4.	16 - 21	5	Clay kankar	
5.	21 - 36	15	Medium sand	Good
6.	36 - 45	9	Clay kankar	
7.	45 - 48	3	Fine sand	Good
8.	48 - 57	9	Clay kankar	
9.	57 - 82*	25	Medium sand & kankar	Good
10.	82 - 93	11	Clay kankar	
11.	93 - 98*	5	Medium sand	Good
12.	98 - 108	10	Clay kankar	
13.	108 - 118*	10	Medium sand	Good
14.	118 - 162	44	Clay kankar	
15.	162 - 165	3	Medium sand	Good

G.Sh
04/05/23



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

2 Thursday
FEBRUARY

MARCH Week 5
FEBRUARY

01-06/05/23

h.p - Katanpur Muvaya Block-Behjam - Lakhimpur

leg - 400 cfm size - 200x150 / 18

0.5 A/c

bagging 01-03/05/23

9 - 57-82 = 25

11 - 93 - 98 = 5

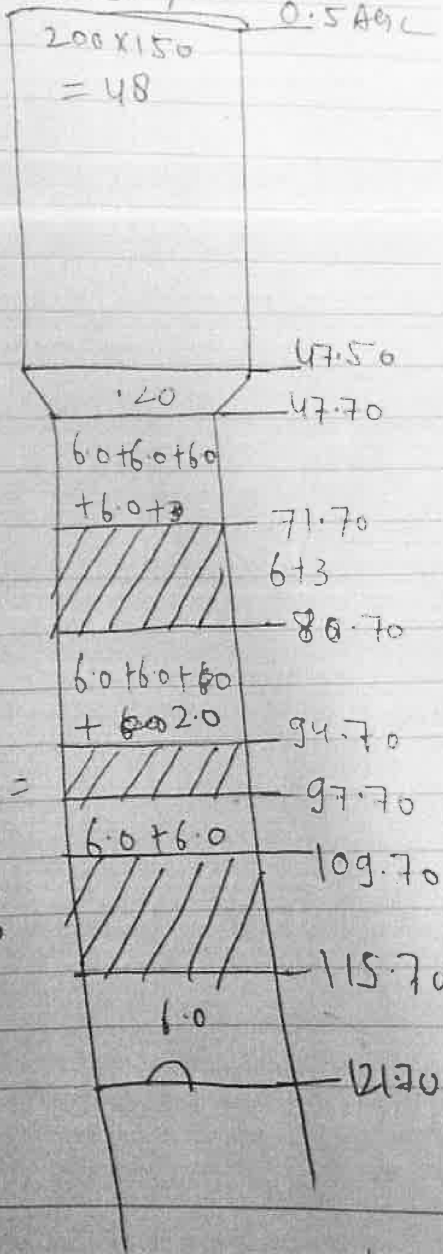
13 108 - 118 = 10

Total = 48 + 48 + 20 + 26

122.20 - 0.5 A/c

= 121.70

121.70



MARCH 2023						
W	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

2023