Dt - 15/10/23

Grid - Grand No - 10 Block - Kalegaon Kathinpur
Zone - III - Leg - 1000cfm Size - 300x150/30

Logging Dt - 13/10/23

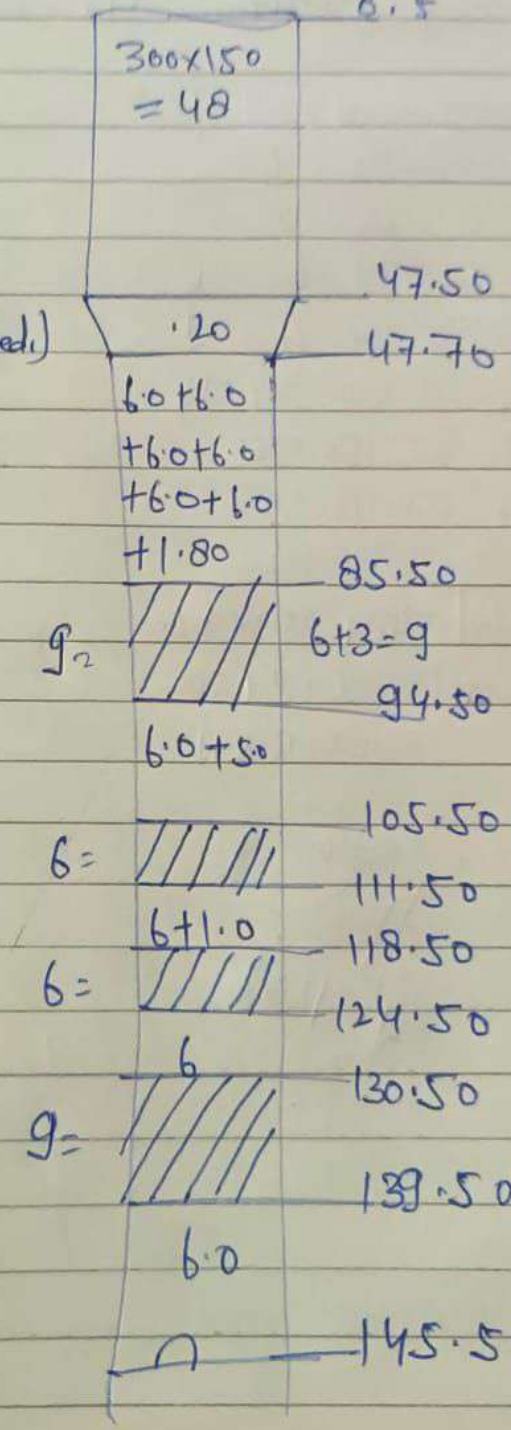
7 - 50 - 60 = 10
9 - 67 - 77 = 10
11 - 84 - 95 = 11 = 9
13 105 - 112 = 7 = 6 (Heloed)
15 118 - 125 = 7 = 6
17 130 - 155 = 25 = 9

Total = 48 + .20 + 37.80
+ 30 + 30

= 146 - 0.5 AGL

= 145.50

15/10/23



REPORT ON GEOPHYSICAL WELL LOGGING
AT

GRAM PANCHAYAT- GRAND NO. 10, BLOCK- BANKEYGANJ,
DISTT-LAKHIMPUR KHIRI
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 165 mtrs. depth. and Logged depth 155 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.Oct.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 = 19.12 Ohms.
Drilling Water Resistivity = 20.07 Ohms.
Approx Water Level = 3 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 15	10	Clay kankar	
3.	15 - 25	10	Medium sand	Good
4.	25 - 34	9	Clay kankar	
5.	34 - 43	9	Medium sand	Good
6.	43 - 50	7	Clay kankar	
7.	50 - 60*	10	Medium sand	Good
8.	60 - 67	7	Clay kankar	
9.	67 - 77*	10	Medium sand	Good
10.	77 - 84	7	Clay kankar	
11.	84 - 95*	11	Medium sand	Good
12.	95 - 105	10	Clay kankar	
13.	105 - 112*	7	Fine to Medium sand	Good
14.	112 - 118	6	Clay kankar	
15.	118 - 125*	7	Medium sand	Good
16.	125 - 130	5	Clay kankar	
17.	130 - 155*	25	Medium sand & kankar	Good

Ground Water Survey Consultancy
Agra