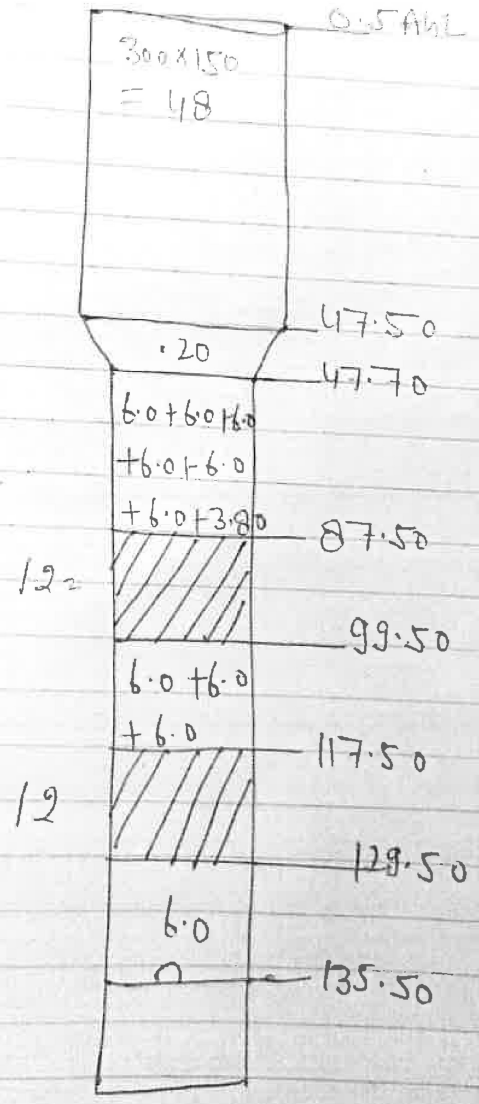
Dt - 08/06/2023
GP - Manakhola
Req - 660 Cum

Block - Pasgawan - Lakhimpur
Size - 300 x 150 / 24

Lagging 7-06-2023
(E) 45 - 60 = 15
8 80 - 105 = 25
10 - 116 - 135 = 19
12 - 150 - 163 = 13

Total = 48 + 20 + 39.80
+ 18 + 30
= 136.50 - 0.5 Adj
= 136.0

08/06/2023



REPORT ON GEOPHYSICAL WELL LOGGING
AT

GRAM PANCHAYAT- MANAKHERA, BLOCK- PASGAWAN, 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 07.June.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 = 24.82 Ohms.
Drilling Water Resistivity = 25.91 Ohms.
Approx Water Level = 11 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 20	15	Medium sand	Good
3.	20 - 29	9	Clay kankar	
4.	29 - 35	6	Fine to Medium sand	Good
5.	35 - 45	10	Clay kankar	
6.	45 - 60*	15	Medium sand	Good
7.	60 - 80	20	Clay kankar	
8.	80 - 105*	25	Medium sand	Good
9.	105 - 116	11	Clay kankar	
10.	116 - 135*	19	Medium sand	Good
11.	135 - 150	15	Clay kankar	
12.	150 - 163*	13	Medium sand	Good
13.	163 - 165	2	Clay kankar	

G.Sh
08/06/23

Ground Water Survey Consultancy
Agra

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