

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- PAHADPUR, BLOCK- BANKEYGANJ, 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 28 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 = ~~23.30~~ Ohms

Drilling Water Resistivity = ~~24.51~~ 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 - 10	5	Clay kankar	
3.	10 - 36	26	Medium sand	Good
4.	36 - 49	13	Clay kankar	
5.	49 - 80*	31	Medium sand & kankar	Good
6.	80 - 92	12	Clay kankar	
7.	92 - 108*	16/13	Medium sand	Good
8.	108 - 116	8	Clay kankar	
9.	116 - 131*	15	Medium sand	Good
10.	131 - 140	9	Clay kankar	
11.	140 - 145*	5	Medium sand	Good
12.	145 - 152	7	Clay kankar	
13.	152 - 157*	5	Fine to Medium sand	Good
14.	157 - 165	8	Clay kankar	

G.Lh
30/05/23

Ground Water Survey Consultancy



Logging performed as per SWSM guidelines - Groundwater quality interpreted by formulas per their log for calibration

Dt - 30/05/23

GP - Paharpur Block - Bankura Dist - West Bengal
leg - 1380cm line 300/200 / 30cm

Legging dt - 28/05/23

5 - 49 - 80 = 31 =

7 - 95 - 108 = 13 = 12

9 - 116 - 131 = 15 = 12

11 - 140 - 145 = 5

13 - 152 - 157 = 5

Total = 48 + 20 + 24 + 18
+ 9.80 + 6.0
+ 30
= 136 - 0.5 AhL
= 135.50

~~GP~~
30/05/23

