

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- BALAPUR, BLOCK- JAMUNAHA, DISTT- SHRAVASTI 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 GA Infra - Vishwanath Project Limited, Shravasti.

On the request of M/s GA Infra - Vishwanath Project Limited, Shravasti. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 11.June.2023.

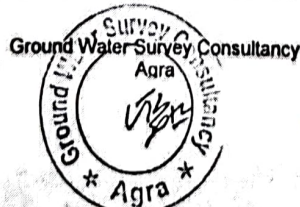
Logging Para meters - Self potential, short normal (N-16), Long Normal (N-64), Lateral. Details of major Aquifer formations explored from logging of bore hole combined with the study of Strata Chart prepared from drill cuttings are given in the following table:-

Mud Resistivity = 18.40 Ohms.

Drilling Water Resistivity = 19.10 Ohms.

Approx Water Level = 9 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 - 15	5	Fine to medium sand	Good
4.	15 - 30	15	Clay kankar	
5.	30 - 34	4	Fine to medium sand	Good
6.	34 - 40	6	Clay kankar	
7.	40 - 44	4	Fine to medium sand	Good
8.	44 - 50	6	Clay kankar	
9.	50 - 73*	23	Medium sand	Good
10.	73 - 81	8	Clay kankar	
11.	81 - 90*	9	Medium sand	Good
12.	90 - 102	12	Clay kankar	
13.	102 - 110*	8	Medium sand	Good
14.	110 - 124	14	Clay kankar	
15.	124 - 137*	13	Medium sand	Good
16.	137 - 150	13	Clay kankar	
17.	150 - 155*	5	Medium sand	Good
18.	155 - 165	10	Clay kankar	



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