

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- BHELGA GAOW, BLOCK- JAMUNAHA, DISTT- SHRAVASTI UNDER JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 170 mtrs. depth. and Logged depth 170 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 29.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:-

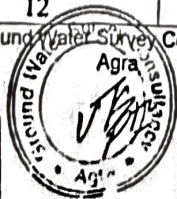
Mud Resistivity = 21.51 Ohms.

Drilling Water Resistivity = 22.39 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 - 8	3	Clay	
3.	8 - 13	5	Medium sand	
4.	13 - 18	5	Clay kankar	
5.	18 - 21	3	Medium sand	Good
6.	21 - 27	6	Clay kankar	
7.	27 - 30	3	Medium sand	Good
8.	30 - 35	5	Clay kankar	
9.	35 - 39	4	Medium sand	Good
10.	39 - 46	7	Clay kankar	
11.	46 - 70*	24	Medium sand & kankar	Good
12.	70 - 80	10	Clay kankar	
13.	80 - 83*	3	Medium sand	Good
14.	83 - 103	20	Clay kankar	
15.	103 - 110*	7	Medium sand	Good
16.	110 - 118	8	Clay kankar	
17.	118 - 130*	12	Medium sand	Good
18.	130 - 140	10	Clay kankar	
19.	140 - 147*	7	Medium sand	Good
20.	147 - 152	5	Clay kankar	
21.	152 - 158*	6	Medium sand	Good
22.	158 - 170	12	Clay kankar	

Ground Water Survey Consultancy



Patil