

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- BHASWAN KURBENI, BLOCK- GILAULA, 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 M/s Vishwanath Project Limited, Shravasti.

On the request of M/s M/s Vishwanath Project Limited, Shravasti. 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 = 23.40 Ohms.

Drilling Water Resistivity = 24.10 Ohms.

Approx Water Level = 5 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 - 20	10	Fine sand	Good
4.	20 - 25	5	Clay kankar	
5.	25 - 41	16	Medium sand	Good
6.	41 - 52	11	Clay kankar	
7.	52 - 78*	26	Medium sand	Good
8.	78 - 85	7	Clay kankar	
9.	85 - 107* 100	22 15	Medium sand & kankar	Good
10.	107 - 117	10	Clay kankar	
11.	117 - 135*	18	Fine to Medium sand	Good
12.	135 - 139	4	Clay kankar	
13.	139 - 145*	6	Medium sand	Good
14.	145 - 157	12	Clay kankar	
15.	157 - 165*	8	Medium sand	Good

S. No 7 - Highly kankar
intermixed.
74-78 (4m)

G. Sh
29/05/23

Ground Water Survey Consultancy



- Logging performed as per SWSM guidelines.
- Ground water quality interpreted by firm as per their logger calibration.