

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- BIHIDAUNI, BLOCK- SORON, DISTT- KASGANJ
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 110 mtrs. depth. and Logged depth 110 mtrs. at above site. Was drilled by M/S PNC-SPML-JV, Kasganj.

On the request of M/S PNC-SPML-JV, Kasganj. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 10.Nov.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 = 15.67 Ohms.

Drilling Water Resistivity = 16.78 Ohms.

Approx Water Level = 12 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 10	5	Dry sand	
3.	10 - 16	6	Clay kankar	
4.	16 - 24	8	Medium sand	Medium
5.	24 - 30	6	Clay kankar	
6.	30 - 40	10	Fine to Medium sand	Medium
7.	40 - 45	5	Clay kankar	
8.	45 - 48	3	Fine sand	Medium
9.	48 - 52	4	Clay kankar	
10.	52 - 57*	5	Medium sand	Medium
11.	57 - 64	7	Clay kankar	
12.	64 - 70*	6	Medium sand	Medium
13.	70 - 80	10	Clay kankar	
14.	80 - 103*	23	Medium sand & kankar	Medium
15.	103 - 110	7	Clay kankar	

Ground Water Survey Consultancy

