

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- HARNATER, 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 05.July.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 = 15.82 Ohms.

Drilling Water Resistivity = 16.79 Ohms.

Approx Water Level = 6 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 - 17	7	Fine sand	
4.	17 - 23	6	Clay kankar	
5.	23 - 28	5	Fine to Medium sand	Medium
6.	28 - 35	7	Clay kankar	
7.	35 - 40	5	Kankar	
8.	40 - 48	8	Clay kankar	
9.	48 - 62*	14	Medium sand	Medium
10.	62 - 78	16	Clay kankar	
11.	78 - 90*	12	Medium sand	Medium
12.	90 - 95	5	Clay kankar	
13.	95 - 106*	11	Medium sand	Medium
14.	106 - 110.	4	Clay kankar	

