

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- NARRAI, BLOCK- AMANPUR, DISTT- KASGANJ
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 115 mtrs. depth. and Logged depth 115 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 21.Feb.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 = 13.94 Ohms.

Drilling Water Resistivity = 14.52 Ohms

Approx Water Level = 7 Mtr.

S.No	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1	0 - 5	5	Surface soil	
2	5 - 8	3	Fine sand	
3	8 - 12	4	Clay kankar	
4	12 - 16	4	Fine sand	Medium
5	16 - 21	5	Clay kankar	
6	21 - 28	7	Fine to Medium sand	Medium
7	28 - 43	15	Clay kankar	
8	43 - 55*	12	Medium sand	Medium
9	55 - 65	10	Clay kankar	
10	65 - 82*	17	Medium sand	Medium
11	82 - 115.	33	Clay kankar	

