

REPORT ON GEOPHYSICAL WELL LOGGING AT

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

Introduction :

A Deep bore hole was drilled 100 mtrs. depth. and Logged depth 100 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 22.Dec.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 = 15.72 Ohms.
Drilling Water Resistivity = 16.88 Ohms.
Approx Water Level = 3 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	Medium sand	Medium
4.	17 - 23	6	Clay kankar	
5.	23 - 30	7	Medium sand	Medium
6.	30 - 35	5	Clay kankar	
7.	35 - 40	5	Medium sand	Medium
8.	40 - 46	6	Clay kankar	
9.	46 - 62*	16	Medium sand	Medium
10.	62 - 91	29	Clay kankar	
11.	91 - 96*	5	Medium sand	Medium
12.	96 - 100	4	Clay kankar	