

# REPORT ON GEOPHYSICAL WELL LOGGING AT

## GRAM PANCHAYAT- JAKHA, BLOCK- AMANPUR, 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 is conduct at above bore hole using IGIS Well Logger on 26.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 = 15.22 Ohms.

Drilling Water Resistivity = 16.89 Ohms.

Approx Water Level = Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 10	5	Clay	
3.	10 - 17	7	Medium sand	Medium
4.	17 - 25	8	Clay kankar	
5.	25 - 30	5	Medium sand	Medium
6.	30 - 35	5	Clay kankar	
7.	35 - 40	5	Sandy clay	
8.	40 - 50	10	Clay kankar	
9.	50 - 65*	15	Medium sand	Medium
10.	65 - 73	8	Clay kankar	
11.	73 - 83*	10	Medium sand	Medium
12.	83 - 110	27	Clay kankar	

Ground Water Survey Consultancy

