

# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- BADIHARI KHURD, 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 21.Sep.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 = 15.39 Ohms.

Drilling Water Resistivity = 16.41 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 - 7	2	Clay kankar	
3.	7 - 10	3	Fine sand	
4.	10 - 15	5	Clay kankar	
5.	15 - 22	7	Fine to Medium sand	Medium
6.	22 - 30	8	Clay kankar	
7.	30 - 32	2	Fine sand	Medium
8.	32 - 37	5	Clay kankar	
9.	37 - 40	3	Fine to Medium sand	Medium
10.	40 - 48	8	Clay kankar	
11.	48 - 80*	32	Medium sand & kankar	Medium
12.	80 - 100	20	Clay kankar	

Note :- Please ensure pre-monsoon water level before lower the well assembly.

Ground Water Survey Consultancy

Agra

