

# REPORT ON GEOPHYSICAL WELL LOGGING AT

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

## Introduction :

A Deep bore hole was drilled 110 mtrs. depth. and Logged depth 105 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 24.Oct.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 = 16.20 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 - 8	3	Clay kankar	
3.	8 - 13	5	Fine to Medium sand	Medium
4.	13 - 19	6	Clay kankar	
5.	19 - 28	9	Medium sand & kankar	Medium
6.	28 - 40	12	Clay kankar	
7.	40 - 44*	4	Fine to Medium sand	Medium
8.	44 - 53	9	Clay kankar	
9.	53 - 57	4	Kankar	
10.	57 - 65	8	Clay kankar	
11.	65 - 70	5	Fine sand	Medium
12.	70 - 86	16	Clay kankar	
13.	86 - 96*	10	Medium sand	Medium
14.	96 - 100	4	Clay kankar	
15.	100 - 103	3	Fine sand	Medium
16.	103 - 105	2	Clay kankar	

Ground Water Survey Consultancy

