

# REPORT ON GEOPHYSICAL WELL LOGGING AT

## GRAM PANCHAYAT- ASAD GARH BLOCK- GANJ DISTT- KASGANJ UNDER JAL JIVAN MISSION

### Introduction :

A Deep bore hole was drilled 120 mtrs. depth. and Logged depth 120 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 28.Dec.2024.

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 = 9.21 Ohms.

Drilling Water Resistivity = 10.05 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 - 16	11	Sandy Clay	
3.	16 - 21	5	Clay kankar	Medium
4.	21 - 35	14	Medium sand	
5.	35 - 45	10	Clay kankar	Medium
6.	45 - 50	5	Fine to medium sand	
7.	50 - 79	29	Clay kankar	Med to Marginally
8.	79 - 89	10	Fine to medium sand	
9.	89 - 92	3	Clay kankar	Med to Marginally
10.	92 - 100	8	Fine sand	
11.	100 - 120	20	Clay kankar	

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