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# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- BARONA, BLOCK- GANJDUNDWARA, 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 in the above bore hole using IGIS Well Logger on 31.May.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 = 15.62 Ohms.

Drilling Water Resistivity = 16.73 Ohms.

Approx Water Level = 6 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 15	10	Clay kankar	
3.	15 - 20	5	Fine to Medium sand	Medium
4.	20 - 33	13	Clay kankar	
5.	33 - 40	7	Fine to Medium sand	Medium
6.	40 - 46	6	Clay kankar	
7.	46 - 50	4	Fine to Medium sand	Med to Marginally
8.	50 - 80	30	Clay kankar	
9.	80 - 83	3	Sand & kankar	Marginally saline
10.	83 - 110	27	Clay kankar	