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# REPORT ON GEOPHYSICAL WELL LOGGING

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GRAM PANCHAYAT- FARIDPUR, BLOCK- KASGANJ, 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 15.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 = 15.65 Ohms.

Drilling Water Resistivity = 17.20 Ohms

Approx Water Level = 8 Mt.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 12	7	Clay kankar	
3.	12 - 30	18	Fine to medium sand	Medium
4.	30 - 37	7	Clay kankar	
5.	37 - 40	3	Fine sand	Medium
6.	40 - 48	8	Clay kankar	
7.	48 - 81*	33	Medium sand	Medium
8.	81 - 94	13	Clay kankar	
9.	94 - 100*	6	Fine to medium sand	Medium

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

Ground Water Survey Consultancy

