

# REPORT ON GEOPHYSICAL WELL LOGGING

AT

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## GRAM PANCHAYAT- JAKHAIRA, BLOCK- KASGANJ, 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 02.April.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 = 16.25 Ohms.

Drilling Water Resistivity = 17.08 Ohms.

Approx Water Level = 9 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 10	5	Dry sand	
3.	10 - 15	5	Fine sand	
4.	15 - 26	11	Clay kankar	
5.	26 - 38	12	Fine to Medium sand	Medium ✓
6.	38 - 44	6	Clay kankar	
7.	44 - 51	7	Sand & kankar	Medium ✓
8.	51 - 55	4	Clay kankar	
9.	55 - 60	5	Fine sand	Medium ✓
10.	60 - 70	10	Clay kankar	
11.	70 - 78	8	Kankar sand	
12.	78 - 91	13	Clay kankar	
13.	91 - 105*	14	Medium sand	Medium ✓
14.	105 - 110	5	Clay kankar	
15.	110 - 113*	3	Medium sand	Medium ✓
16.	113 - 120	7	Clay kankar	

Ground Water Survey Consultancy

