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REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- CHANDPUR MENMARHA, BLOCK- SIDHPUR, 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 is conduct at above bore hole using IGIS Well Logger on 20.Mar.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 = 17.78 Ohms.

Drilling Water Resistivity = 18.20 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 - 7	2	Dry sand	
3.	7 - 15	8	Clay kankar	
4.	15 - 22	7	Fine to medium sand	Medium
5.	22 - 27	5	Clay kankar	
6.	27 - 40	13	Sand & kankar	Medium
7.	40 - 50	10	Clay kankar	
8.	50 - 78*	28	Medium sand	Medium
9.	78 - 92	14	Clay kankar	
10.	92 - 104*	12	Medium sand	Medium
11.	104 - 115	11	Clay kankar	
12.	115 - 120	5	Fine sand	Medium

Ground Water Survey Consultancy

