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REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- FIROZPUR SIHOLA, BLOCK- KASGANJ, DISTT- KASGANJ
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 120 mtrs. depth. and Logged depth 115 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 19.June.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:-

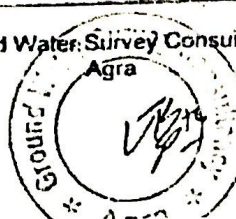
Mud Resistivity = 16.28 Ohms.

Drilling Water Resistivity = 17.09 Ohms.

Approx Water Level = 15 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 15	10	Dry sand	
3.	15 - 18	3	Fine sand	
4.	15 - 25	10	Clay kankar	
5.	25 - 28	3	Fine sand	
6.	28 - 37	9	Clay kankar	
7.	37 - 39	2	Fine sand	Medium
8.	39 - 47	8	Clay kankar	
9.	47 - 49	2	Fine sand	Medium
10.	49 - 67	18	Clay kankar	
11.	67 - 90*	23	Medium sand & kankar	Medium
12.	90 - 92	2	Kankar	
13.	92 - 96*	4	Fine to Medium sand	Medium
14.	96 - 115	19	Clay kankar	

Ground Water Survey Consultancy



- Logging performed as per SWSM guidelines
- Groundwater quality interpreted with low resistivity logs