

(6)

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- RASALUA SULAHAPUR, BLOCK- AMAPUR
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 09.Nov.2022.

Logging Para meters - Self potential, short normal (N-16), Long Normal (N-64), Lateral. Details of major equifer 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 = 22.29 Ohms.

Drilling Water Resistivity = 15.10 Ohms.

Approx Water Level = 8 Mtr.

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 - 17	5	Fine to Medium sand	
4.	17 - 22	5	Clay kankar	
5.	22 - 28	6	Medium sand	Medium
6.	28 - 38	10	Sand & Kankar	
7.	38 - 43	5	Clay kankar	
8.	43 - 47*	4	Medium sand	Medium
9.	47 - 78	31	Clay kankar	
10.	78 - 94*	16	Medium sand	Medium
11.	94 - 98	4	Clay kankar	
12.	98 - 102*	4	Fine to Medium sand	Medium
13.	102 - 110	8	Clay	