

(3)

REPORT ON GEOPHYSICAL WELL LOGGING

AT

GRAM-PANCHAYAT- KASIMPUR MAIHARI, BLOCK- AMANPUR, DISTT- KASGANJ
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 120 mtrs. depth. and Logged depth 117 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 = 16.20 Ohms.

Drilling Water Resistivity = 17.50 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 - 7	2	Dry sand	
3.	7 - 13	7	Clay kankar	
4.	13 - 17	4	Fine sand	
5.	17 - 23	6	Clay kankar	
6.	23 - 30	7	Fine to medium sand	Medium
7.	30 - 35	5	Clay kankar	
8.	35 - 38	3	Fine sand	Medium
9.	38 - 48	10	Clay kankar	
10.	48 - 70*	22	Medium sand	Medium
11.	70 - 76	6	Clay kankar	
12.	76 - 82*	6	Medium sand	Medium
13.	82 - 107	25	Clay kankar	
14.	107 - 113*	6	Fine to medium sand	Medium
15.	113 - 117	4	Clay kankar	

