

REPORT ON GEOPHYSICAL WELL LOGGING AT

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

Introduction :

A Deep bore hole was drilled 120 mtrs. depth. and Logged depth 107 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 03.Mar.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 = 14.29 Ohms.

Drilling Water Resistivity = 15.46 Ohms.

Approx Water Level = 5 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 10	5	Clay kankar	
3.	10 - 18	8	Fine sand	
4.	18 - 22	4	Clay kankar	
5.	22 - 28	6	Medium sand	Medium
6.	28 - 52	24	Clay kankar	
7.	52 - 66*	14	Medium sand	Medium
8.	66 - 71	5	Kankar	
9.	71 - 81*	10	Medium sand	Medium
10.	81 - 90	9	Clay kankar	
11.	90 - 97	7	Kankar	
12.	97 - 107	10	Clay kankar	

