

REPORT ON GEOPHYSICAL WELL LOGGING AT

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

Introduction :

A Deep bore hole was drilled 105 mtrs. depth. and Logged depth 102 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 22.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 = 14.20 Ohms.

Drilling Water Resistivity = 15.65 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 - 15	10	Clay kankar	
3.	15 - 22	7	Medium sand	Medium
4.	22 - 28	6	Clay kankar	
5.	28 - 35	7	Medium sand	Medium
6.	35 - 42	7	Clay Kankar	
7.	42 - 53*	11	Medium sand	Medium
8.	53 - 58	5	Clay kankar	
9.	58 - 65*	7	Medium sand	Medium
10.	65 - 75	10	Clay kankar	
11.	75 - 81*	6	Medium sand	Medium
12.	81 - 90	9	Clay kankar	
13.	90 - 99*	9	Medium sand	Medium
14.	99 - 102	3	Clay kankar	

Note :- Please ensure pre-monsoon water level before lower the well assembly

