

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- PITAMNAGAR HADAURA, BLOCK- GANJDUNDWARA,
DISTT- KASGANJ
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 120 mtrs. depth. and Logged depth 120 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.Mar.2024.

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 = 14.60 Ohms.

Drilling Water Resistivity = 15.08 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 - 10	5	Fine to medium sand	Medium
3.	10 - 21	11	Clay kankar	
4.	21 - 35	14	Medium sand & kankar	Medium
5.	35 - 47	12	Clay kankar	
6.	47 - 51	4	Fine sand	Med to Marginally
7.	51 - 59	8	Clay kankar	
8.	59 - 65	6	Fine sand	Marginally saline
9.	65 - 78	13	Clay kankar	
10.	78 - 88	10	Kankar sand	Saline
11.	88 - 91	3	Clay kankar	
12.	91 - 100	9	Sand & kankar	Saline
13.	100 - 120	20	Clay kankar	

Ground Water Survey Consultancy
Agra

