

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- SANAURI SIMAN PUKHTA, BLOCK- GANJDUNDWARA,
DISTT- KASGANJ
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 120 mtrs. depth. and Logged depth ~~115~~ 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 is conduct at above bore hole using IGIS Well Logger on 28.Jan. 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 = 10.12 Ohms.

Drilling Water Resistivity = 11.23 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 - 7	2	Clay kankar	
3.	7 - 11	4	Fine sand	
4.	11 - 16	5	Clay kankar	
5.	16 - 30	14	Fine to medium sand	Medium
6.	30 - 35	5	Clay kankar	
7.	35 - 47	12	Medium sand	Medium
8.	47 - 56	9	Clay kankar	
9.	56 - 62*	6	Fine to Medium sand	Medium
10.	62 - 71	9	Clay kankar	
11.	71 - 80	9	Medium sand	Margi. Saline
12.	80 - 87	7	Clay kankar	
13.	87 - 98	11	Medium sand	Margi. Saline
14.	98 - 102	4	Clay kankar	
15.	102 - 108	6	Medium sand	Margi. Saline
16.	108 - 115	7	Clay kankar	

Ground Water Survey Consultancy



- Logging performed as per
ISIRI guidelines.
- Groundwater quality
interpreted by firm as
per their logger
calibration
G.Sh
30/01/23