

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- BAHROJPUR, 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 is conduct at above bore hole using IGIS Well Logger on 14 Feb.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 = ~~11.65 Ohms.~~

Drilling Water Resistivity = ~~12.43 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 - 12	7	Fine sand	
3.	12 - 16	4	Clay kankar	
4.	16 - 22	6	Fine to medium sand	Medium
5.	22 - 25	3	Clay kankar	
6.	25 - 35	10	Medium sand	Medium
7.	35 - 42	7	Clay kankar	
8.	42 - 50*	8	Medium sand	Medium
9.	50 - 58	8	Clay kankar	
10.	58 - 62	4	Fine sand	Medium
11.	62 - 70	8	Clay kankar	
12.	70 - 83*	13	Medium sand	Medium
13.	83 - 100	7	Clay kankar	
14.	100 - 108* 7	8	Medium sand	Medium
15.	108 - 120	12	Clay kankar	

G-Sh
14 Feb 23



- Logging performed as per
GWSM guidelines.
- Groundwater quality
interpreted by feras