

# REPORT ON GEOPHYSICAL WELL LOGGING

## AT

### GRAM PANCHAYAT- JHAWAR, BLOCK- KASGANJ, DISTT- KASGANJ

### UNDER

### JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 110 mtrs. depth. and Logged depth ~~110~~ 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 05.April.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 = ~~15.19~~ Ohms.

Drilling Water Resistivity = ~~16.03~~ Ohms

Approx Water Level = 9 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 10	5	Clay	
3.	10 - 18	8	Medium sand	Medium
4.	18 - 39	21	Clay kankar	
5.	39 - 56*	17	Medium sand	Medium
6.	56 - 65	9	Clay kankar	
7.	65 - 86*	21	Medium sand	Medium
8.	86 - 110	24	Clay kankar	

Both zone are intermixed with kankar - Logging performed as per SWSM guidelines. Groundwater quality interpreted by ferm as per their logger calibration

G.Sh  
06/04/23

