

22/11/23

## REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- SHADIQPUR, BLOCK- SAHAWAR, 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 in the above bore hole using IGIS Well Logger on 16.Mar.2023.

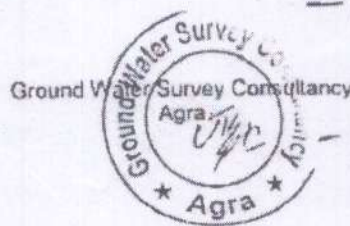
Logging Para meters - Self potential, short normal (N-16), Long Normal (N-64), Lateral. Details of major equifer formations explored from logging of bore hole combined with the study of Strata Chart prepared from drill cuttings are given in the following table:-

Mud Resistivity = 14.25 Ohms.

Drilling Water Resistivity = 15.52 Ohms.

Approx Water Level = 3 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 11	6	Fine sand	Medium
3.	11 - 21	10	Clay kankar	
4.	21 - 27	6	Medium sand	Medium
5.	27 - 42	15	Clay kankar	
6.	42 - 57*	15	Medium sand	Medium
7.	57 - 72	15	Clay kankar	
8.	72 - 77	5	Kankar	
9.	77 - 115	38	Clay kankar	



- Logging performed as per SWM guidelines  
- Groundwater quality interpreted by firm as per their logger calibration  
G Sh  
17/03/23