

# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- SAGAR GAO, BLOCK- JAMUNAHA, DISTT- SHRAVASTI  
UNDER  
JAL JIVAN MISSION

## Introduction :

A Deep bore hole was drilled 165 mtrs. depth. and Logged depth ~~150~~ mtrs. at above site. Was drilled by M/s GA Infra - Vishwanath Project Limited, Shravasti.

On the request of M/s GA Infra - Vishwanath Project Limited, Shravasti. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 11.May.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:-

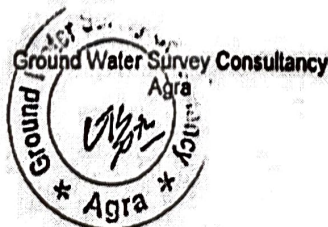
Mud Resistivity = ~~18.48~~ Ohms.

Drilling Water Resistivity = ~~19.23~~ 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 - 13	5	Fine sand	
3.	13 - 29	5	Clay kankar	
4.	29 - 35	15	Fine to medium sand	Good
5.	35 - 42	4	Clay kankar	
6.	42 - 45	6	Fine sand	Good
7.	45 - 49	4	Clay kankar	
8.	<del>49 - 55*</del>	<del>6</del>	Fine to Medium sand	Good
9.	55 - 64	23	Clay kankar	
10.	64 - 73*	8	Medium sand	Good
11.	73 - 83	9	Clay kankar	
12.	<del>83 - 92*</del>	<del>12</del>	Medium sand	Good
13.	92 - 115	8	Clay kankar	
14.	115 - 140*	14	Medium sand	Good
15.	140 - 150	13	Clay kankar	

*Force*



- Logging performed as per ISISM guidelines  
- Groundwater quality interpreted by firm as per their logger calibration  
G.S.H.