

Compressor and OP only

## REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- ALINAGAR LAKAKAIBHARI & SARVAN LARA,  
BLOCK- EKONA, DISTT- SHRAVASTI  
UNDER  
JAL JIVAN MISSION

### Introduction.

A Deep bore hole was drilled 135 mtrs depth and Logged depth 165 mtrs at above site. Was drilled by M/s M/s Vishwanath Project Limited, Shravasti.

On the request of M/s M/s Vishwanath Project Limited, Shravasti, a Geophysical well Logging in the above bore hole using IGIS Well Logger on 19 May 2023.

Logging Parameters - 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 = 20.32 Ohms

Drilling Water Resistivity = 21.53 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 - 10	5	Clay	
3	10 - 42	32	Medium sand	Good
4	42 - 50	8	Clay kankar	
5	50 - 78*	28	Medium sand & kankar	Good
6	78 - 85	5	Clay kankar	
7	85 - 90*	7	Medium sand	Good
8	90 - 103	3	Clay kankar	
9	103 - 110*	7	Medium sand	Good
10	110 - 120	10	Clay kankar	
11	120 - 135*	15	Medium sand & kankar	Good
12	135 - 149	14	Clay kankar	
13	149 - 165*	16	Medium sand	Good

Ground Water Survey Consultancy



- Logging performed as per SWM guidelines  
- Groundwater quality interpreted by firm as per their logger's calibration

Gen  
20/05/23