

# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- PIPRAIWA JOGA GAON ZONE -1, BLOCK- SIRSIYA,  
DISTT- SHRAVASTI  
UNDER  
JAL JIVAN MISSION

## Introduction :

A Deep bore hole was drilled 165 mtrs. depth. and Logged depth 163 mtrs. at above site. Was drilled by M/s Vishwanath Project Limited, Shravasti.

On the request of M/s Vishwanath Project Limited, Shravasti. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 09.Feb.2024.


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 = 39.50 Ohms.

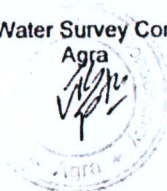
Drilling Water Resistivity = 43.13 Ohms.

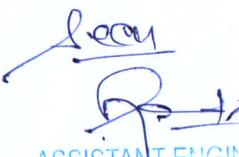
Approx Water Level = 4 Mtr

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 11	6	Fine sand	
3.	11 - 18	7	Clay kankar	
4.	18 - 22	4	Fine to Medium sand	Good
5.	22 - 61	39	Clay kankar	
6.	61 - 66*	5	Fine to Medium sand	Good
7.	66 - 73	7	Clay kankar	
8.	73 - 81*	8	Medium sand	Good
9.	81 - 87	6	Clay kankar	
10.	87 - 93*	6	Medium sand	Good
11.	93 - 97	4	Clay kankar	
12.	97 - 100	3	Fine sand	Good
13.	100 - 109	9	Clay kankar	
14.	109 - 111	2	Fine sand	Good
15.	111 - 120	9	Clay kankar	
16.	120 - 124*	4	Fine to Medium sand	Good
17.	124 - 130	6	Clay kankar	
18.	130 - 135*	5	Medium sand	Good
19.	135 - 163	28	Clay kankar	

  
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