

# REPORT ON GEOPHYSICAL WELL LOGGING AT

## GRAM PANCHAYAT-MADHYA NAGAR, BLOCK- GILAULA, DISTT- SHRAVASTI UNDER JAL JIVAN MISSION

### Introduction :

A Deep bore hole was drilled 165 mtrs. depth. and Logged depth 165 mtrs. at above site. Was drilled by M/s MB Traders, Shravasti.

On the request of M/s MB Traders, Shravasti. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 23.Dec.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:-

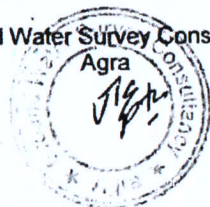
Mud Resistivity = 12.46 Ohms.

Drilling Water Resistivity = 13.25 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	Fine sand	
3.	10 - 22	12	Clay kankar	
4.	22 - 40	18	Fine to Medium sand	Good
5.	40 - 45	5	Clay kankar	
6.	45 - 55	10	Fine to Medium sand	Good
7.	55 - 60	5	Clay kankar	
8.	60 - 70*	10	Medium sand	Good
9.	70 - 75	5	Kankar	
10.	75 - 80*	5	Fine to Medium sand	Good
11.	80 - 85	5	Clay kankar	
12.	85 - 88*	3	Fine to Medium sand	Good
13.	88 - 94	6	Clay kankar	
14.	94 - 104*	10	Medium sand	Good
15.	104 - 110	6	Clay kankar	
16.	110 - 117*	7	Medium sand	Good
17.	117 - 125	8	Clay kankar	
18.	125 - 130*	5	Fine to Medium sand	Good
19.	130 - 135	5	Clay kankar	
20.	135 - 140*	5	Medium sand	Good
21.	140 - 160	20	Clay kankar	
22.	160 - 165*	5	Medium sand	Good

Ground Water Survey Consultancy



*[Signature]*  
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