

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- SEMRAHNA, BLOCK- BALRAMPUR, DISTT- BALRAMPUR
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 165 mtrs. depth. and Logged depth ~~162~~ mtrs. at above site. Was drilled by M/S Dara Eco Protection (JV), Balrampur.

On the request of M/S Dara Eco Protection (JV), Balrampur. a Geophysical well Logging is conduct at above bore hole using IGIS Well Logger on 31.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:-

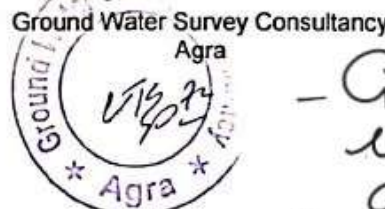
Mud Resistivity = ~~21.32~~ Ohms.

Drilling Water Resistivity = ~~22.60~~ Ohms.

Approx Water Level = 5 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 10	5	Clay kankar	
3.	10 - 42	32	Medium sand & kankar	Good
4.	42 - 50	8	Clay kankar	
5.	50 - 80*	30 28	Medium sand & kankar	Good
6.	80 - 90	10	Clay kankar	
7.	90 - 98*	8	Medium sand	Good
8.	98 - 108	10	Clay kankar	
9.	108 - 115*	7	Medium sand	Good
10.	115 - 120	5	Clay kankar	
11.	120 - 125*	5	Fine to Medium sand	Good
12.	125 - 131	6	Clay kankar	
13.	131 - 141*	10	Medium sand	Good
14.	141 - 144	3	Clay kankar	
15.	144 - 152*	8 7	Medium sand	Good
16.	152 - 159	7	Clay kankar	
17.	159 - 162	3	Fine sand	Good

Gsh
09/06/23



- Logging performed as per SWSM guidelines.
- Groundwater quality interpreted by firm as per their logger calibration.