

# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- MAUAGAH, BLOCK- REHRA, DISTT- BALRAMPUR  
UNDER  
JAL JIVAN MISSION

**Introduction :**

A Deep bore hole was drilled 165 mtrs. depth. and Logged depth ~~152~~ 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 28.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 = ~~22.73~~ Ohms.

Drilling Water Resistivity = ~~23.91~~ 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 kankar	
3.	10 - 21	11	Fine sand	Good
4.	21 - 25	4	Clay kankar	
5.	25 - 31	6	Fine to Medium sand	Good
6.	31 - 39	8	Clay kankar	
<del>7.</del>	<del>40 - 51</del> <sup>50</sup>	<del>12</del> <sup>10</sup>	Medium sand	Good
8.	51 - 55	4	Clay kankar	
9.	55 - 65*	10	Medium sand	Good
10.	65 - 69	4	Clay kankar	
<del>11.</del>	<del>70 - 96*</del> <sup>70</sup>	<del>27</del> <sup>26</sup>	Medium sand & kankar	Good
12.	96 - 112	16	Clay kankar	
13.	112 - 120*	8	Fine to Medium sand	Good
14.	120 - 130	10	Clay kankar	
15.	130 - 152*	22	Medium sand & kankar	Good

G.Sh  
30/05/23



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