

# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- JAGDEWA, BLOCK- SHREE DUTTGANJ, DISTT- BALRAMPUR  
UNDER  
JAL JIVAN MISSION

## Introduction :

A Deep bore hole was drilled 165 mtrs. depth. and Logged depth ~~156~~ 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 29.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 = ~~26.70~~ Ohms.

Drilling Water Resistivity = ~~27.90~~ 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 - 15	5	Clay kankar	
4.	15 - 25	10	Medium sand	Good
5.	25 - 30	5	Clay kankar	
6.	30 - 56	26	Medium sand	Good
7.	56 - 65	9	Clay kankar	
8.	65 - 75*	10	Medium sand	Good
9.	75 - 80	5	Clay kankar	
10.	80 - 90* 87	10 7	Medium sand	Good
11.	90 - 95	5	Clay kankar	
12.	95 - 100*	5	Medium sand	Good
13.	100 - 113	13	Clay kankar	
14.	113 - 117*	4	Fine to Medium sand	Good
15.	117 - 124	7	Clay kankar	
16.	124 - 133*	9	Medium sand	Good
17.	133 - 137	4	Clay kankar	
18.	137 - 145* 144	8 7	Medium sand	Good
19.	145 - 156	11	Clay kankar	

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30/05/23

Ground Water Survey Consultancy



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