

REPORT ON GEOPHYSICAL WELL LOGGING AT

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

Introduction :

A Deep bore hole was drilled 165 mtrs. depth. and Logged depth 143 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 = 22.36 Ohms.

Drilling Water Resistivity = 23.51 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 - 15	10	Fine sand	Good
3.	15 - 22	7	Clay kankar	
4.	22 - 45	23	Medium sand	Good
5.	45 - 50	5	Clay kankar	
6.	50 - 75*	25	Medium sand	Good
7.	75 - 80	5	Clay kankar	
8.	80 - 85*	5	Medium sand	Good
9.	85 - 90	5	Clay kankar	
10.	90 - 95	5	Fine sand	Good
11.	95 - 107	12	Clay kankar	
12.	107 - 136*	29	Medium sand	Good
13.	136 - 143	7	Clay kankar	

SrNo 60-65-75
(10m)

G.Sh
30/05/23

Ground Water Survey Consultancy
Agra



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