

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- MEHRUPUR, BLOCK- MAHARAJGANJ, DISTT- AZAMGARH
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 165 mtrs. depth. and Logged depth 160 mtrs. at above site. Was drilled by M/S Eco Protection Engineers Pvt. Ltd, Azamgarh.

On the request of M/S Eco Protection Engineers Pvt. Ltd, Azamgarh. a Geophysical well Logging is conduct at above bore hole using IGIS Well Logger on 08.Nov.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 = 16.75 Ohms.

Drilling Water Resistivity = 17.76 Ohms.

Approx Water Level = 9 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	33 - 36	3	Fine to Medium sand	Good
2.	40 - 45	5	Fine sand & kankar	Good
3.	49 - 65	16	Medium sand	Good
4.	69 - 75	6	Medium sand	Good
5.	81 - 86	5	Fine to Medium sand	Good
6.	115 - 121	6	Fine sand	Moderate

- Note :-
1. Please ensure pre-monsoon water level before lower the well assembly
 2. Quality Of Ground water is deteriorating Marginally Salino in below 127 Mtr bgl to till depth logged.
 3. Predominated clay is present in depth range 20 to 26 and 95 to 103 mtr bgl.

