

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- MUTURJIPUR TW NO-1, BLOCK- DEOKALI, DISTT- GHAZIPUR
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 200 mtrs. depth. and Logged depth 200 mtrs. at above site. Was drilled by M/S VSA Infra Projects Pvt. Ltd. Ghazipur.

On the request of M/S VSA Infra Projects Pvt. Ltd. Ghazipur. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 07.Feb.2025.

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 = 14.33 Ohms.

Drilling Water Resistivity = 15.90 Ohms.

Approx Water Level = 6 Mtr

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	9 - 14	5	Fine sand	Good
2.	23 - 27	4	Fine sand Medium Sand	Good
3.	130 - 135	5	Fine to Medium sand	Moderate to Good
4.	138 - 145	7	Fine to Medium sand	Moderate to Good
5.	151 - 155	4	Fine Sand & Kankar	Moderate to Good
6.	157 - 160	3	Fine Sand	Moderate

Note :- 1. Please ensure pre-monsoon water level before lower the well assembly

2. Clay kankar is present in depth range 15-22, 28-39, 47-51, 58-84,109-129 and 161 mtr bgl till depth logged.

3. Quality Of Ground water is deteriorating Marginally Saline in below 40-46, 52-57,85-108 Mtr bgl.

