

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- BHARSAR ZONE -1, TW NO. 03, BLOCK- BIRNON,
DISTT- GHAZIPUR
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 360 mtrs. depth. and Logged depth 358 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 15.May.2024.

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 = 11.29 Ohms.

Drilling Water Resistivity = 12.09 Ohms.

Approx Water Level = 5 Mtr

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	10 - 15	5	Fine to Medium sand	Good
2.	88 - 100	12	Medium sand	Good
3.	124 - 130	6	Fine sand	Moderate
4.	211 - 225	14	Fine to Medium sand	Good
5.	235 - 245	10	Medium sand & kankar	Good

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

2. Clay kankar is present in depth range 16-87, 101-123, 131-210, 226-234 and 246 mtr bgl till depth logged.

