

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- SHAHABAZPUR, ZONE -3 TW-3, BLOCK- KASIMABAD,
DISTT- GHAZIPUR
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 200 mtrs. depth. and Logged depth 198 mtrs. at above site. Was drilled by M/s c. Ghazipur.

On the request of M/S VSAIPPL-SMC-JV. Ghazipur. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 16.June.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 = 13.90 Ohms.

Drilling Water Resistivity = 14.10 Ohms.

Approx Water Level = 9 Mtr

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	24 - 31	7	Medium sand	Good
2.	37 - 44	7	Fine sand	Good
3.	53 - 58	5	Fine to Medium sand	Good

1. Please ensure pre-monsoon water level before lower the well assembly
2. Clay kankar is present in depth range 15-23, 32-36, 45-52, 59-69, 76 Mtr bgl to till depth 198 mtr
3. Quality Of Ground water is deteriorating Marginally Saline in below 70-75 Mtr bgl.

