

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- CHAKESA URF BAKRABAD TW NO-1,SCHEME- MAHARAJGANJ ZONE-3
BLOCK- SADAR, 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 05.Dec.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 = 14.11 Ohms.

Approx Water Level = 6 Mtr

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	37 - 40	3	Fine sand	Good
2.	62 - 70	8	Medium sand	Good
3.	82 - 92	10	Medium sand	Good
4.	95 - 104	9	Fine to Medium sand & kankar	Good

- Note :-**
1. Please ensure pre-monsoon water level before lower the well assembly
 2. Clay kankar is present in depth range 10-15, 21-29, 32-36, 41-61, 71-81, 93-94, 105-115, 131-134, 141-149 and 156 mtr bgl till depth logged.
 3. Quality Of Ground water is deteriorating Marginally Saline in below 116-130, 135-140,150-155 Mtr bgl.

