

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- BHAWARKOL LOCHAN, BLOCK- BHAWARKOL,
DISTT- GHAZIPUR
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 200 mtrs. depth. and Logged depth 188 mtrs. at above site. Was drilled by L & T. Ghazipur.

On the request of L & T. Ghazipur. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 30.Sep.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 = 11.29 Ohms.

Drilling Water Resistivity = 7.82 Ohms.

Approx Water Level = 9 Mtr

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	48 - 69	21	Medium sand	Good
2.	80 - 93	13	Medium sand	Good
3.	105 - 108	3	Fine to medium sand	Good
4.	120 - 122	2	Fine to medium sand	Good
5.	130 - 136	6	Medium sand	Good
6.	161 - 169	8	Medium sand	Good
7.	175 - 180	5	Fine to medium sand	Good

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

