

Barachawan  
20m (X)  
390 LPM  
68 + 12  
200 + 200  
500 + 500

# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- RAJAWALI TW -1, BLOCK- BARACHAWAR, 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 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.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 = 12.90 Ohms.  
Drilling Water Resistivity = 13.19 Ohms.  
Approx Water Level = 6 Mtr

200 x 200

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	10 - 13	3	Fine sand	Good
2.	60 - 70	10	Medium sand	Good
3.	135 - 146	11	Medium sand & kankar	Good
4.	156 - 164	8	Fine sand	Good
5.	180 - 188	8	Fine to Medium sand	Good

Note :- 1. Please ensure pre-monsoon water level before lower the well assembly  
2. Clay kankar is present in depth range 14-59, 71-134, 147-155, 165-179 and 189 mtr bgl till depth logged.

BP = 6 m  
Latitude :- 25.695542  
Longitude :- 83.792493

