

GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL ELECTROLOGGING REPORT

Ref No:-B-33

Date:- 06-05-2025

NAME OF SITE

GRAM PANCHAYAT- Bendula

BLOCK- Shitalpur

DISTT- Etah

NAME OF AGENCY

M/s Power Mex
Etah



GROUND WATER SURVEY CONSULTANCY

Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

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ISO ; 9001 : 2015

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REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- BENDULA, BLOCK- SHITALPUR, DISTT- ETAH
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 115 mtrs. depth. and Logged depth 112 mtrs. at above site. Was drilled by M/s Power Mex, Etah.

On the request of M/s Power Mex, Etah. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 06.May.2025.

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 = 17.78 Ohms.

Drilling Water Resistivity = 18.12 Ohms.

Approx Water Level = 6 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 7	2	Clay kankar	
3.	7 - 11	4	Fine sand	
4.	11 - 18	7	Clay kankar	
5.	18 - 30	12	Medium sand	Medium
6.	30 - 40	10	Clay Kankar	
7.	40 - 55*	15	Medium sand	Medium
8.	55 - 70	15	Clay kankar	
9.	70 - 76	6	Fine sand	Medium
10.	76 - 112	36	Clay kankar	

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Conclusions and Recommendations :-

1. The Lithology broadly tallies with that of drill cutting strata chart.
2. The zones marked with asterisk (*) appear to be aquifer zones for possible Development of tube well.
3. The Quality of water is expected Medium.
4. It is recommended to have a chemical and bacteriological analysis of the water sample before using it for human consumption or for any other use.
5. All projections and recommendations are subject to the inherent limitations of the technique employed and there could be variations as the underground conditions are not always amenable to physical interpretations.



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N16 (SN)	✓
MS4(LN)	✓
LAT	✓

06 May 2005
12:04
VIRAL

1615/5/01/21-22

$$S^p(m, n)$$

DMP1-2

Logger Owned by

**GROUND WATER
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AGRA, UP, India**

