

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL
ELECTOLOGGING REPORT

^{R-447}
Ref No:-P- 356

Date:- 11-05-2023

NAME OF SITE

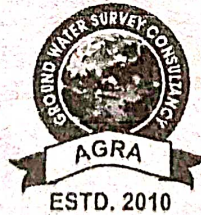
GRAM PANCHAYAT- Kamalpur Murun

BLOCK- Gonda

DISTT- Aligarh

NAME OF AGENCY

M/s Kalpataru Power Transmission Limited
Aligarh



GROUND WATER SURVEY CONSULTANCY

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

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ISO ; 9001 : 2015

Ground Water Survey Consultancy

Agra



REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- KAMALPUR MURUN, BLOCK- GONDA, DISTT- ALIGARH
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 110 mtrs. depth. and Logged depth 103 mtrs. at above site. Was drilled by M/s Kalpataru Power Transmission limited, Aligarh.

On the request of M/s Kalpataru Power Transmission limited, Aligarh. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 11.May.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:-

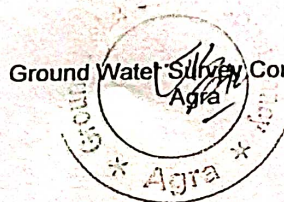
Mud Resistivity = 13.60 Ohms.

Drilling Water Resistivity = 14.23 Ohms.

Approx Water Level = 15 Mtr.

| S.No. | Depth range(m) | Thickness(m) | Lithology | Expected Water Quality |
|-------|----------------|--------------|------------------------|------------------------|
| 1. | 0 - 5 | 5 | Surface soil | |
| 2. | 5 - 20 | 15 | Clay kankar & Dry sand | |
| 3. | 20 - 28 | 8 | Fine to Medium sand | Med to Marginally |
| 4. | 28 - 38 | 10 | Clay kankar | |
| 5. | 38 - 58* | 20 | Medium sand | Med to Marginally |
| 6. | 58 - 68 | 10 | Clay kankar | |
| 7. | 68 - 73 | 5 | Medium sand | Marginally saline |
| 8. | 73 - 86 | 13 | Clay kankar | |
| 9. | 86 - 96 | 10 | Sand & kankar | Marginally saline |
| 10. | 96 - 103 | 7 | Clay kankar | |

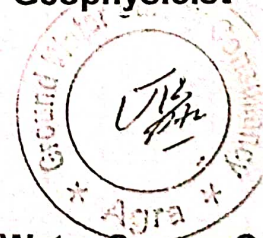
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Conclusions and Recommendations :-

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 to Marginally saline.
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.

Geophysicist



Ground Water Survey Consultancy

Rho a
 N16 (SN)
 N14(LIN)
 LAT

Logging Details:
 Logging Unit No. 001
 Date 11/07/2023
 Time 11:23
 Location

Logger S No
 IGIS/03/21-22

Logger Model
 DNAPL-2
 Logger Owned by
 GROUND WATER
 SURVEY
 CONSULTANCY
 - AGRA INDIA

