

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL
ELECTROLOGGING REPORT**

Ref No:-B-2530

Date:-08-12-2023

NAME OF SITE

GRAM PANCHAYAT- Naushera

BLOCK- Ujhani

DISTT- Badaun

NAME OF AGENCY

M/s PNC-SPML-JV
Badaun



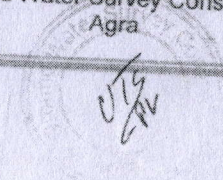
GROUND WATER SURVEY CONSULTANCY

Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.
112 A-Shree Nagar Colony, Firozabad Road, Agra- 282006

(M) : 9412260823, 9794625420, 9761163000, Email : gwsc_agra@yahoo.com

ISO ; 9001 : 2015

Ground Water Survey Consultancy
Agra



REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- NAUSHERA, BLOCK- UJHANI, DISTT- BADAUN
UNDER
JAL JIVAN MISSION

Introduction :

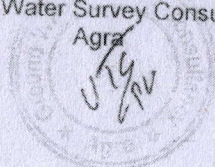
A Deep bore hole was drilled 140 mtrs. depth. and Logged depth 140 mtrs. at above site. Was drilled by M/S PNC-SPML-JV, Badaun.

On the request of M/S PNC-SPML-JV, Badaun. a Geophysical well Logging is conduct at above bore hole using IGIS Well Logger on 08.Dec.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:-

| S.No. | Depth range(m) | Thickness(m) | Lithology | Expected Water Quality |
|-------|----------------|--------------|---------------------|------------------------|
| 1. | 0 - 5 | 5 | Surface soil | |
| 2. | 5 - 20 | 15 | Dry sand | |
| 3. | 20 - 26 | 6 | Clay kankar | |
| 4. | 26 - 40 | 14 | Medium sand | Medium |
| 5. | 40 - 45 | 5 | Clay kankar | |
| 6. | 45 - 48 | 3 | Fine sand | Medium |
| 7. | 48 - 63 | 15 | Clay kankar | |
| 8. | 63 - 75* | 12 | Medium sand | Medium |
| 9. | 75 - 85 | 10 | Clay kankar | |
| 10. | 85 - 107* | 22 | Fine to Medium sand | Medium |
| 11. | 107 - 119 | 12 | Clay kankar | |
| 12. | 119 - 123* | 4 | Fine to Medium sand | Medium |
| 13. | 123 - 140 | 17 | Clay kankar | |

Ground Water Survey Consultancy



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 tubewell.
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.

Geologist



Rho a
N16 (N)
N04(L/N)
LAT

Logging Details
Project No: 16/S/04/21-22
Date: 04/21/22
Location: ...

Logger: S. Huz
16/S/04/21-22

SP (m V)
OHM m

GROUND WATER
SURVEY
CONSULTANCY
AGRA, INDIA

