

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL
ELECTOLOGGING REPORT

Ref No:-A-85

Date:- 05-02-2023

NAME OF SITE

Gram Panchayat- Nai Pindri

BLOCK- Ambiapur

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- NAI PINDRI, BLOCK- AMBIAPUR, DISTT.- BADAUN
UNDER
JAL JIVAN MISSION

Introduction :

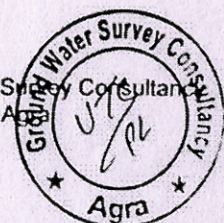
A Deep bore hole was drilled 112 mtrs. depth. and Logged depth 110 mtrs. at above site. Was drilled by M/S PNC-SPML-JV, Badaun.

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 04.Feb.2023.

Logging Para meters - Self potential, short normal (N-16), Long Normal (N-64), Lateral Details of major equifer 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 - 18 | 13 | Dry sand | |
| 3. | 18 - 25 | 7 | Fine sand | |
| 4. | 25 - 31 | 6 | Clay kankar | |
| 5. | 31 - 43 | 12 | Fine to Medium sand | Good |
| 6. | 43 - 60 | 17 | Clay kankar | |
| 7. | 60 - 88* | 28 | Fine to Medium sand | Good |
| 8. | 88 - 96 | 8 | Clay kankar | |
| 9. | 96 - 102* | 6 | Fine to Medium sand | Good |
| 10. | 102 - 110 | 8 | Clay kankar | |

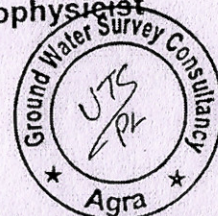
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Conclusions and Recommendations :-

1. The Lithology broadly tallies with that of drill cutting starta chart.
2. The zones marked with asterisk (*) appear to be aquifer zones for possible development of tubewell.
3. The Quality of water is expected Good.
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



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