

GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL ELECTROLOGGING REPORT

Ref No:-N-1057

Date:- 02-02-2023

NAME OF SITE

Gram Panchayat- Raj Baraulia

BLOCK- Sahaswan

DISTT- Budaun

NAME OF AGENCY

M/s PNC-SPML-JV
Badaun

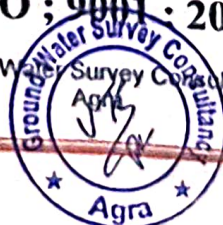


GROUND WATER SURVEY CONSULTANCY

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- RAJ BARAULIA, BLOCK- SAHASWAN, DISTT.- BUDAUN UNDER JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 110 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 02.Feb.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 - 17 | 12 | Dry sand | |
| 3. | 17 - 25 | 8 | Clay kankar | |
| 4. | 25 - 43 | 18 | Medium sand | Good |
| 5. | 43 - 46 | 3 | Clay kankar | |
| 6. | 46 - 50 | 4 | Medium sand | Good |
| 7. | 50 - 61 | 11 | Clay kankar | |
| 8. | 61 - 73* | 12 | Medium sand | Good |
| 9. | 73 - 81 | 8 | Clay kankar | |
| 10. | 81 - 88* | 7 | Medium sand | Good |
| 11. | 88 - 93 | 5 | Clay kankar | |
| 12. | 93 - 101* | 8 | Medium sand | Good |
| 13. | 101 - 110 | 9 | Clay kankar | |



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 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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Rho a
 N16(SN)
 N64(LN)
 LAT

Logg ng GP Rig Base
 2000 E. P. Dr. E. 2000
 Downcross, ND 58001
 02 Feb 2023
 12:20
 Utc: 01:00 (AST)

SP (m V)

