# GROUND WATER SURVEY CONSULTANCY GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

### GEO-PHYSICAL WELL ELECTOLOGGING REPORT

Ref No:- 558

Date:- 03-03-2022

#### NAME OF SITE

Gram Panchayat- Pushgawan BLOCK- Ambiapur

**DISTT-Badaun** 

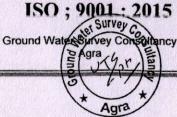
NAME OF AGENCY

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



### REPORT ON GEOPHYSICAL WELL LOGGING AT

## GRAM PANCHAYAT- PUSHGAWAN, BLOCK- AMBIAPUR, DISTT.- BADAUN UNDER JAL JIVAN MISSION

#### Introduction :

A Deep bore hole was drilled 154 mtrs. depth. and Logged depth 150 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 03.Mar.2022.

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:-

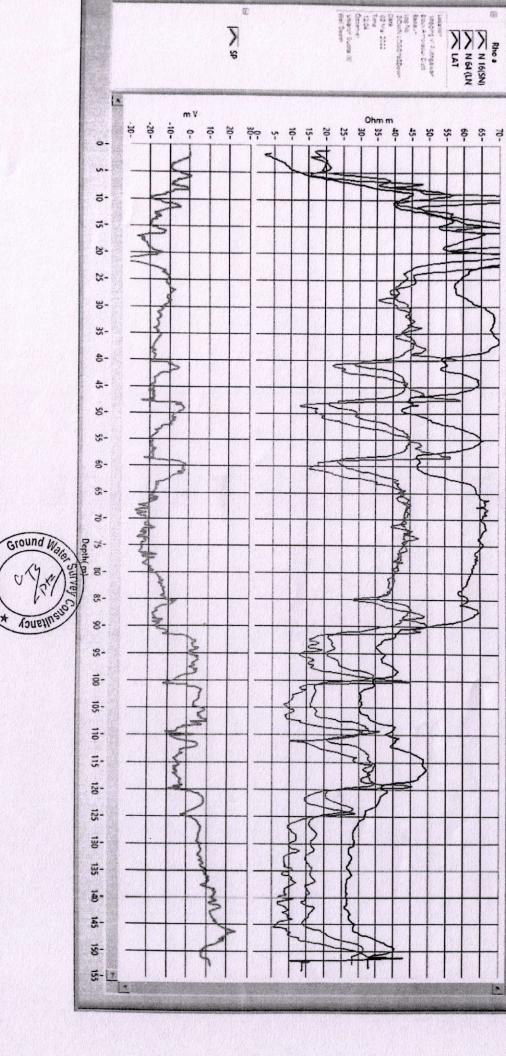
| S.No. | Defth range(m) | Thickness(m) | Lithology           | Expected<br>Water Quality |
|-------|----------------|--------------|---------------------|---------------------------|
| 1.    | 0 - 5          | 5            | Surface Soil        | Water Quality             |
| 2.    | 5 - 10         | 5            | Clay kankar         |                           |
| 3.    | 10 - 23        | 13           | Dry sand            |                           |
| 4.    | 23 - 30        | 7            | Clay kankar         |                           |
| 5.    | 30 - 40        | 10           | Medium sand         | Good                      |
| 6.    | 40 - 42        | 2            | Clay kankar         | 0000                      |
| 7.    | 42 - 46        | 4            | Fine sand           | Good                      |
| 8.    | 46 - 50        | 4            | Clay kankar         | 0000                      |
| 9.    | 50 - 57*       | 7            | Fine to Medium sand | Good                      |
| 10.   | 57 - 62        | 5            | Clay kankar         | 0000                      |
| 11.   | 62 - 90*       | 28           | Medium sand         | Good                      |
| 12.   | 90 - 110       | 20           | Clay kankar         | 0000                      |
| 13.   | 110 - 120*     | 10           | Fine to Medium sand | Good                      |
| 14.   | 120 - 146      | 26           | Clay kankar         | 0000                      |
| 15.   | 146 - 150      | 4            | Fine sand           | Good                      |

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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 tubewell.
- 3. The Quality of water is expected Good.
- Expected discharge is 900 to 1000 L.P.M.
- 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.
- 6. 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 Surve Agra Ground Water Survey Consultancy



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