

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL
ELECTROLOGGING REPORT

Ref No:- 807

Date:- 16-01-2023

NAME OF SITE

Gram Panchayat- Khiriya Humanyu Pukhta
DISTT- Budaun

BLOCK- Usawan

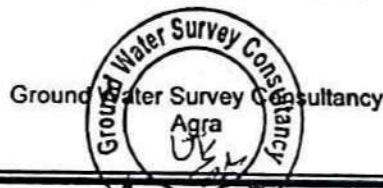
NAME OF AGENCY

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



REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- KHIRIYA HUMANYU PUKHTA, BLOCK- USAWAN,
DISTT.- BUDAUN
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 120 mtrs. depth. and Logged depth 120 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 16.Jan.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 - 10 | 5 | Fine sand | |
| 3. | 10 - 16 | 6 | Clay kankar | |
| 4. | 16 - 25 | 9 | Medium sand | Medium |
| 5. | 25 - 30 | 5 | Clay kankar | |
| 6. | 30 - 36 | 6 | Fine to Medium sand | Medium |
| 7. | 36 - 45 | 9 | Clay kankar | |
| 8. | 45 - 65* | 20 | Medium sand | Medium |
| 9. | 65 - 85 | 20 | Clay kankar | |
| 10. | 85 - 89* | 4 | Fine to Medium sand | Medium |
| 11. | 89 - 108 | 19 | Clay kankar | |
| 12. | 108 - 114* | 6 | Fine to Medium sand | Medium |
| 13. | 114 - 120 | 6 | 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 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.

Geophysicist



Ground Water Survey Consultancy

Rho s
 R16 (SNV)
 NS4(LIN)
 LAT

Geophysical Survey
 Date: 18/08/2021
 Time: 11:30
 Location: ...

SP (mV)

