

GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL ELECTOLOGGING REPORT

Ref No:- 632

Date:- 13-03-2022

NAME OF SITE

Gram Panchayat- Kaser Panauta

BLOCK- Wazirganj

DISTT- Badaun

NAME OF AGENCY

M/s PNC-SPML-JV
Badaun



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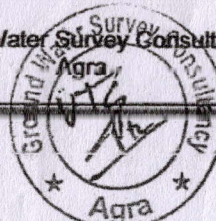
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

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ISO ; 9001 : 2015

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REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- KASER PANAUTA, BLOCK- WAZIRGANJ, DISTT.- BADAUN
UNDER
JAL JIVAN MISSION

Introduction :

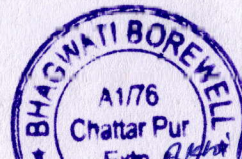
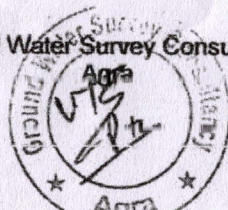
A Deep bore hole was drilled 140 mtrs. depth. and Logged depth 140 mtrs. at above site. Was drilled by M/S PNC-SPML-JV, Badaun.

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 13.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. | Depth range(m) | Thickness(m) | Lithology | Expected Water Quality |
|-------|----------------|--------------|---------------------|------------------------|
| 1. | 0 - 5 | 5 | Surface soil | |
| 2. | 5 - 19 | 14 | Dry sand | |
| 3. | 19 - 25 | 6 | Clay kankar | |
| 4. | 25 - 49 | 24 | Fine to Medium sand | |
| 5. | 49 - 55 | 6 | Clay kankar | |
| 6. | 55 - 81* | 26 | Fine to Medium sand | Medium |
| 7. | 81 - 88* | 7 | Medium sand | Good |
| 8. | 88 - 102 | 14 | Clay kankar | |
| 9. | 102 - 115* | 13 | Fine to Medium sand | Good |
| 10. | 115 - 118 | 3 | Clay | |
| 11. | 118 - 124* | 6 | Fine to Medium sand | Medium |
| 12. | 124 - 130 | 6 | Clay kankar | |
| 13. | 130 - 136* | 6 | Fine to Medium sand | Medium |
| 14. | 136 - 140 | 4 | Clay kankar | |

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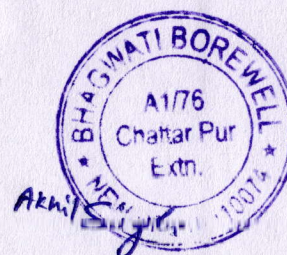
Conclusions and Recommendations :-

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 Medium to Good.
4. Expected discharge is 1000 to 1100 L.P.M.
5. 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



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Rho 3
 N16 (SN)
 NS40(LN)
 LAT

Logging laser
 Panauts Block
 Wazirganj Distt
 Budaan
 LOGGINGUP
 13/11/2022
 15:55
 Utkarsh Gupta (LG)

SP (m V)

