

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL
ELECTROLOGGING REPORT

Ref No:- 211

Date:- 10-05-2022

NAME OF SITE

Gram Panchayat- Bhavipur

BLOCK - Bisauli

DISTT- Badaun

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

Ground Water Survey Consultancy



REPORT ON GEOPHYSICAL WELL LOGGING

AT

GRAM PANCHAYAT- BHAVIPUR, BLOCK- BISAUJI, DISTT.- BADAUN

UNDER

JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 121 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 10.May.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 - 18 | 13 | Dry sand | |
| 3. | 18 - 36 | 18 | Clay kankar | |
| 4. | 36 - 47 | 10 | Medium sand | Good |
| 5. | 47 - 65 | 18 | Clay Kankar | |
| 6. | 65 - 80* | 15 | Medium Sand & Kankar | Good |
| 7. | 80 - 85 | 5 | Clay Kankar | |
| 8. | 85 - 100* | 15 | Medium Sand | Good |
| 9. | 100 - 106 | 6 | Clay Kankar | |
| 10. | 106 - 112* | 6 | Fine to Medium sand | Good |
| 11. | 112 - 120 | 8 | Clay Kankar | |

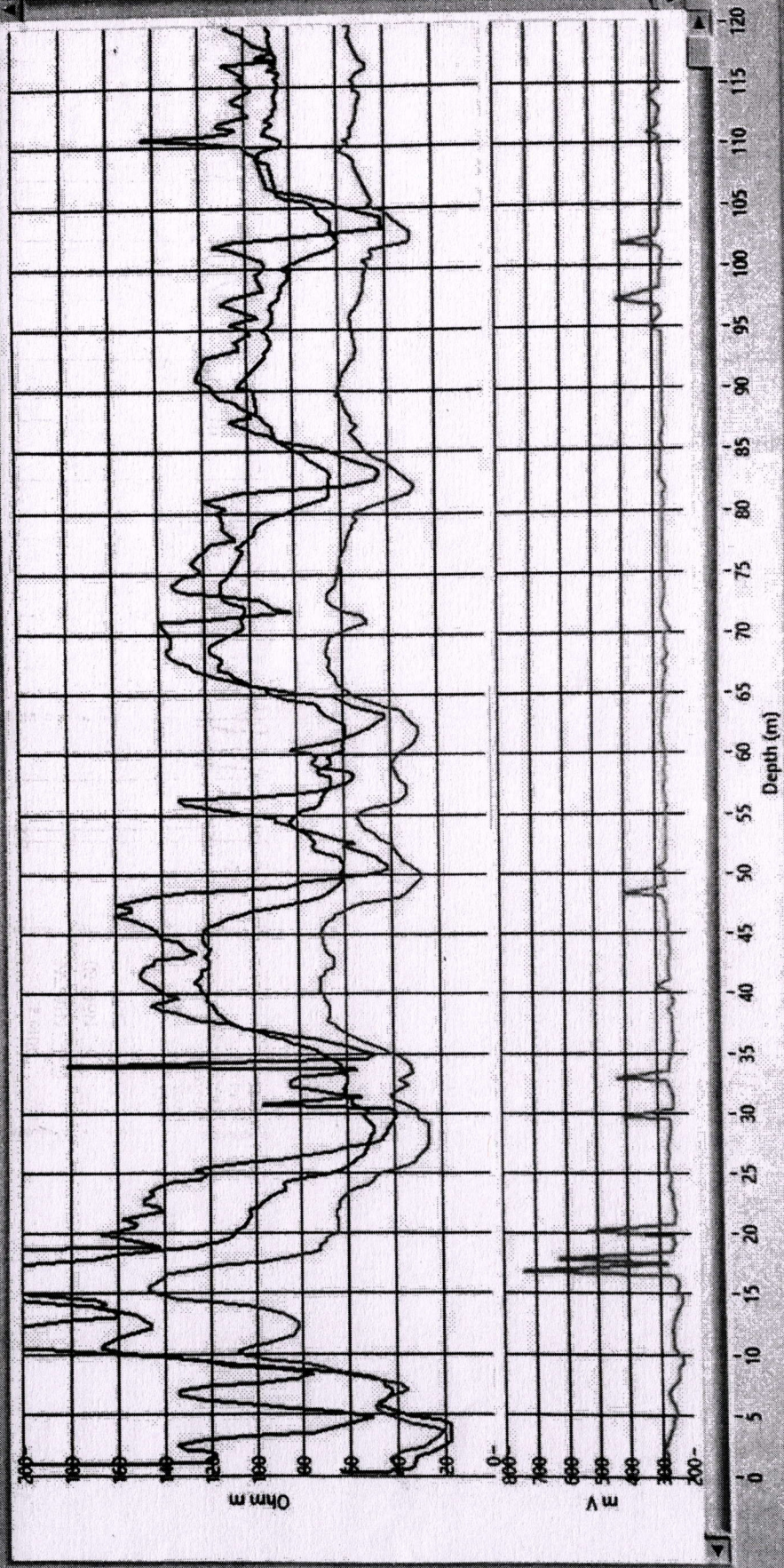


Conclusions and Recommendations :-

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. Expected discharge is 800 to 900 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.



Ground Water Survey Consultancy



Rho s
 N16 (SN)
 N64(LN)
 LAT

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 awapur Block
 sauli Distt Budaun
 GGINGUP
 May 2022
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 karsh Gupta (A.G)

SP (m V)

