

GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL ELECTROLOGGING REPORT

Ref No:- 614

Date:- 11-03-2022

NAME OF SITE

Gram Panchayat- Pindara

BLOCK- Asafpur

DISTT- Badaun

NAME OF AGENCY

M/s PNC-SPML-JV
Badaun



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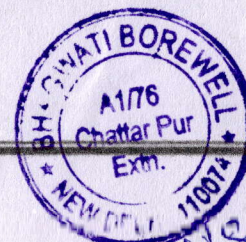
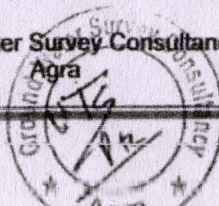
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

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ISO ; 9001 : 2015

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REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- PINDARA, BLOCK- ASAFPUR, DISTT.- BADAUN
UNDER
JAL JIVAN MISSION

Introduction :

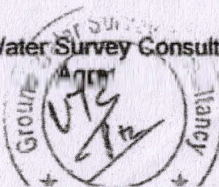
A Deep bore hole was drilled 140 mtrs. depth. and Logged depth 139 mtrs. at above site. Was drilled by M/S PNC-SPML-JV, Badaun.

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 11.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 - 12 | 7 | Fine sand | |
| 3. | 12 - 17 | 5 | Clay kankar | |
| 4. | 17 - 30 | 13 | Fine sand | Good |
| 5. | 30 - 35 | 5 | Clay kankar | |
| 6. | 35 - 54* | 19 | Medium sand | Good |
| 7. | 54 - 64 | 10 | Clay kankar | |
| 8. | 64 - 72* | 8 | Medium sand | Good |
| 9. | 72 - 80 | 8 | Clay kankar | |
| 10. | 80 - 110* | 30 | Medium sand | Good |
| 11. | 110 - 129 | 19 | Clay kankar | |
| 12. | 129 - 139* | 10 | Fine to Medium sand | Good |

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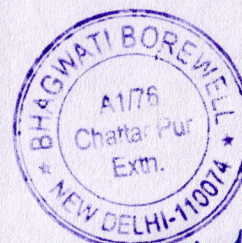
Conclusions and Recommendations :-

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 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



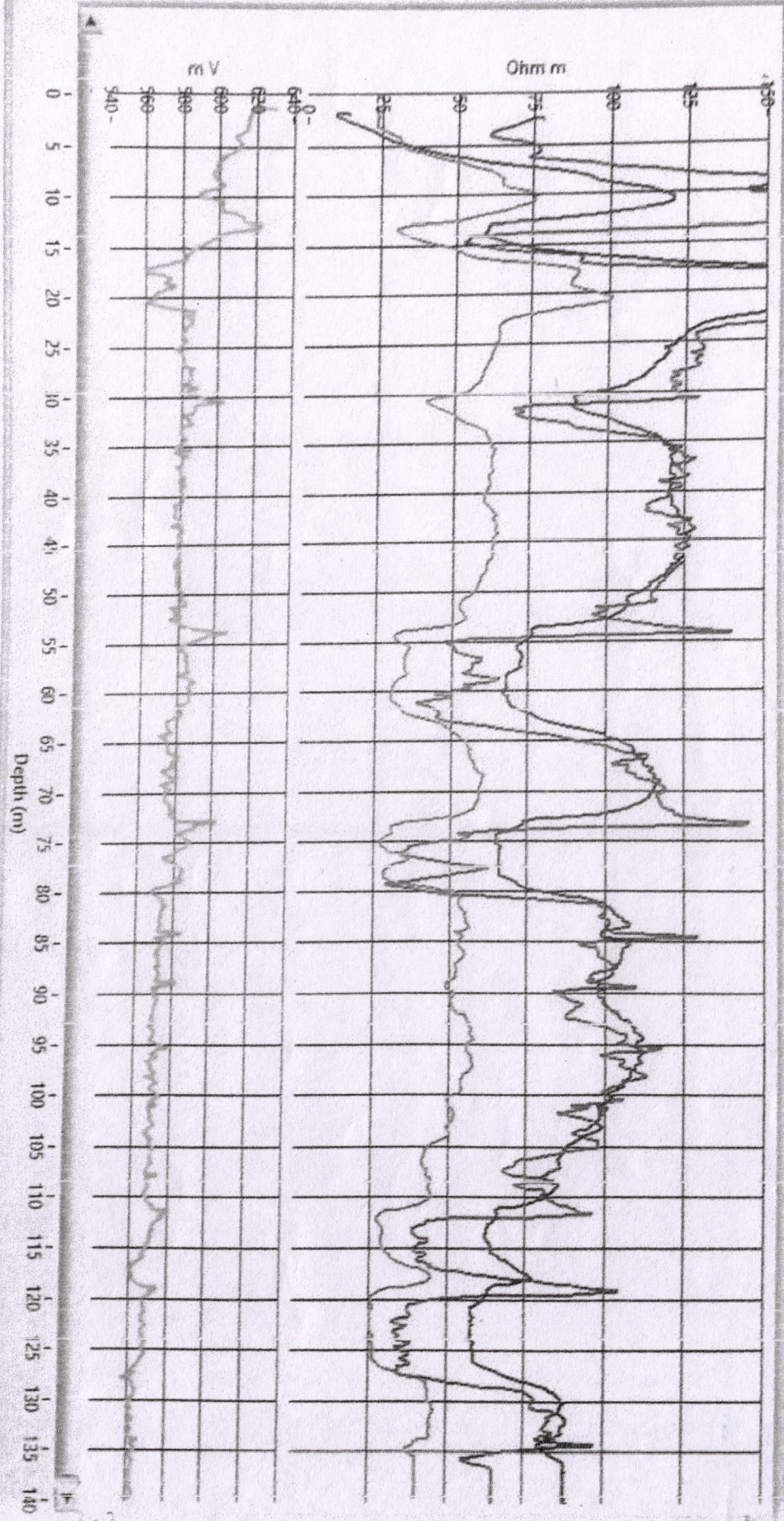
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Akhil Singh

Rho a
 N16 (SN)
 N64(LN)
 LAT
 Logging VI Pindara
 Block -2, Satpur Distt
 Budaun
 LOGGIN&UP
 11 MAR 2022
 15:01
 Ujjwesh Gupta (JG)

SP (m V)



Ashu Singh

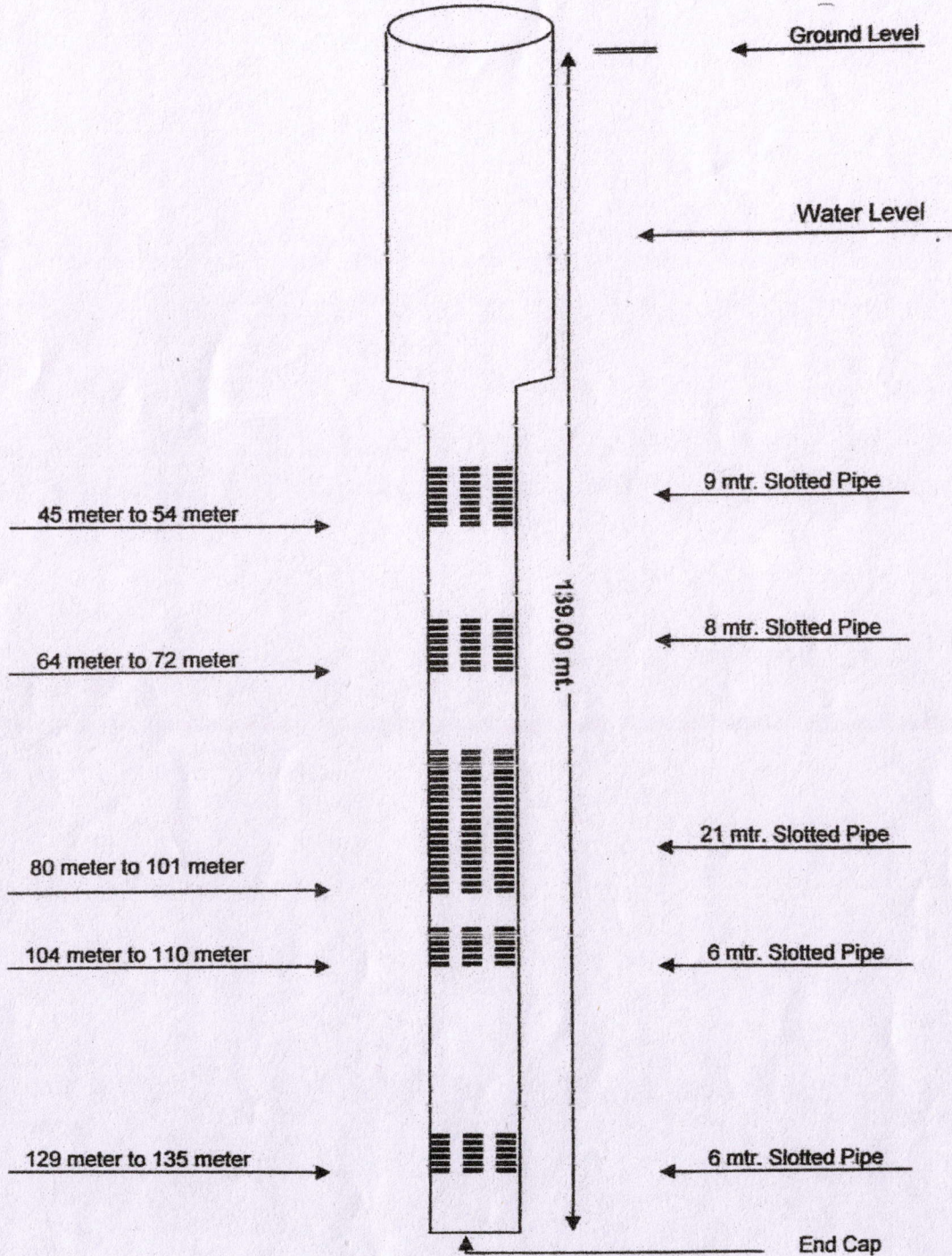
**ELECTRIC WELL LOGGING TUBEWELL BORING ASSEMBLY RECOMMENDED CHART
FOR**

M/s PNC-SPML-JV, Badaun

AT SITE

Gram Panchayat - Pindara, Block - Asafpur, Distt.- Badaun

Boring dia - 300X150mm.
Type of Boring - Stainer
Depth of Loring - 139 Mtr.
Water Level - 19 Mtr.



RECOMMENDED CHART

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