

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL
ELECTROLOGGING REPORT

Ref No:-A-2195

Date:- 10-11-2023

NAME OF SITE

GRAM PANCHAYAT-Bhamauri Ghospur BLOCK-Sahaswan
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

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REPORT ON GEOPHYSICAL WELL LOGGING

AT

GRAM PANCHAYAT- BHAMAURI GHOSPUR, BLOCK- SAHASWAN, 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 10.Nov.2023.

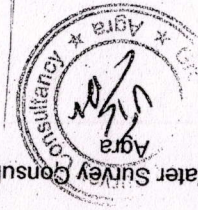
Logging Para meters - Self potential, short normal (N-16), Long Normal (N-64), Lateral.

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 - 16	11	Fine sand	
3.	16 - 24	8	Clay kanakar	
4.	24 - 40	16	Medium sand	Medium
5.	40 - 51	11	Clay kanakar	
6.	51 - 59*	8	Medium sand	Medium
7.	59 - 70	11	Clay kanakar	
8.	70 - 75*	5	Medium sand	Medium
9.	75 - 80	5	Clay kanakar	
10.	80 - 92*	12	Medium sand	Medium
11.	92 - 97	5	Clay kanakar	
12.	97 - 105*	8	Medium sand	Medium
13.	105 - 110	5	Clay kanakar	
14.	110 - 116*	6	Medium sand	Medium
15.	116 - 122	6	Clay kanakar	
16.	122 - 129*	7	Fine to Med sand & kan	Medium
17.	129 - 140	11	Clay kanakar	

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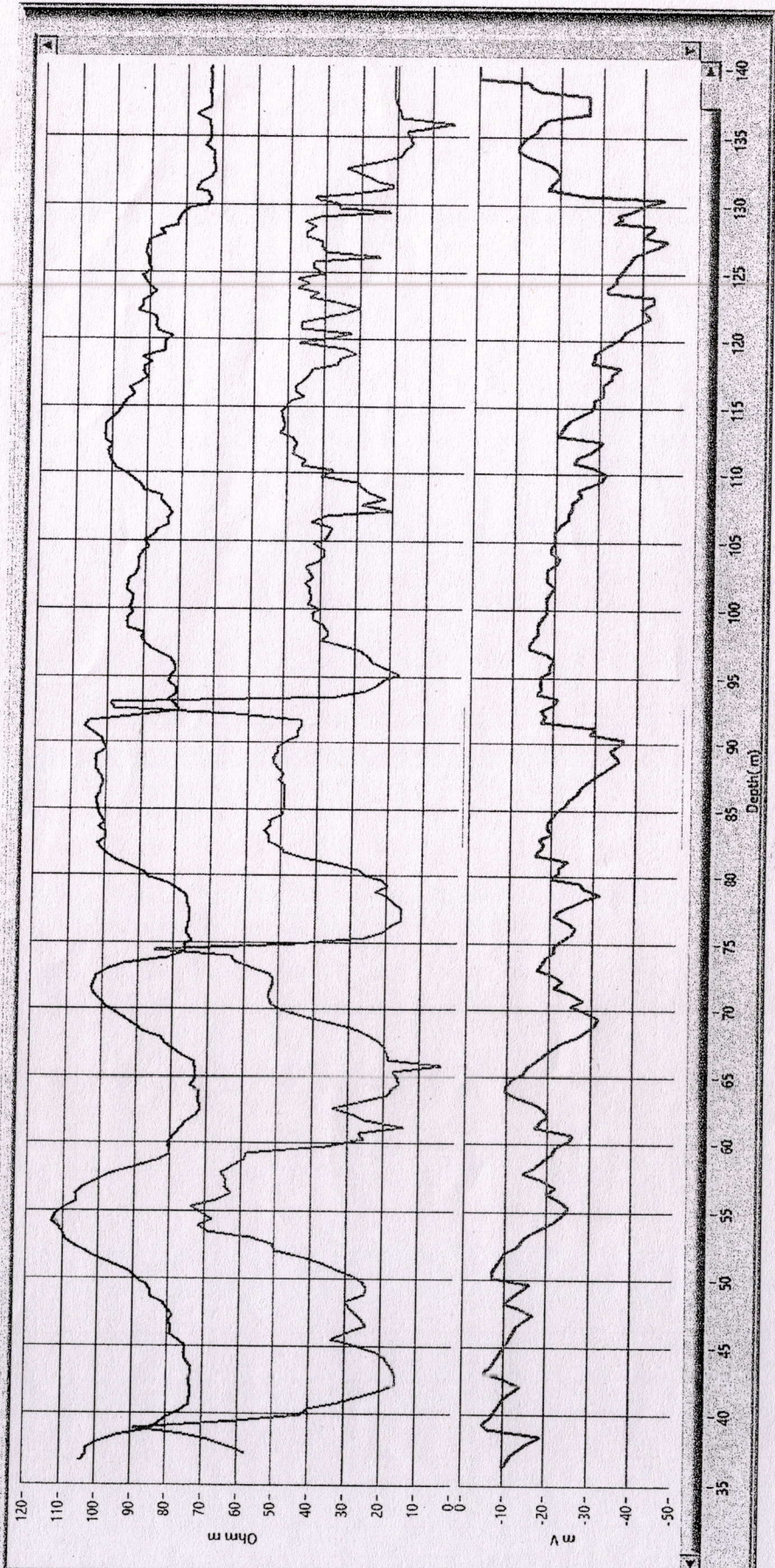


Conclusions and Recommendations :-

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 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.



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Rho a
 N 16(SN)
 N 6A (LN)
 LAT

Locator: Logg'ng Gp 24mala
 Grid:our EocSanaSwa
 D Jtt 2.021
 Log No: UP 10GG NEUP
 Date: 10 Nov 2023
 Time: 15:45
 Operator: Vikram Gupta (AG)
 File Descr:

Logger Site: IGIS/S/01/Z1-22

SP
 Logger Model: DMPL-2

Logger Owned by:
 GROUND WATER
 SURVEY
 CONSULTANCY
 AGRA, UP, India

