

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL
ELECTROLOGGING REPORT**

Ref No:-A- 1845

Date:- 11-10-2023

NAME OF SITE

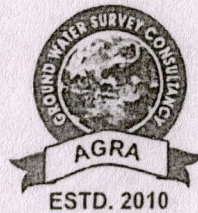
Gram Panchayat- Saifpur

BLOCK- Islamnagar

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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AGRA

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- SAIFPUR, BLOCK- ISLAMNAGAR, DISTT.- BADAUN
UNDER
JAL JIVAN MISSION

Introduction :

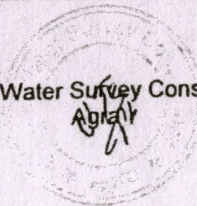
A Deep bore hole was drilled 130 mtrs. depth. and Logged depth 130 mtrs. at above site. Was drilled by M/S PNC-SPML-JV, Badaun.

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.Oct.2023.

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 - 26	8	Clay kankar	
4.	26 - 36	10	Medium sand	Medium
5.	36 - 40	4	Clay kankar	
6.	40 - 43	3	Medium sand	Medium
7.	43 - 47	4	Clay kankar	
8.	47 - 52	5	Fine sand	Medium
9.	52 - 62	10	Clay kankar	
10.	62 - 90*	28	Medium sand	Medium
11.	90 - 98	8	Clay kankar	
12.	98 - 108*	10	Medium sand	Medium
13.	108 - 112	4	Clay kankar	
14.	112 - 130*	18	Medium sand	Medium

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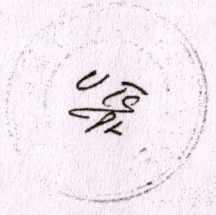
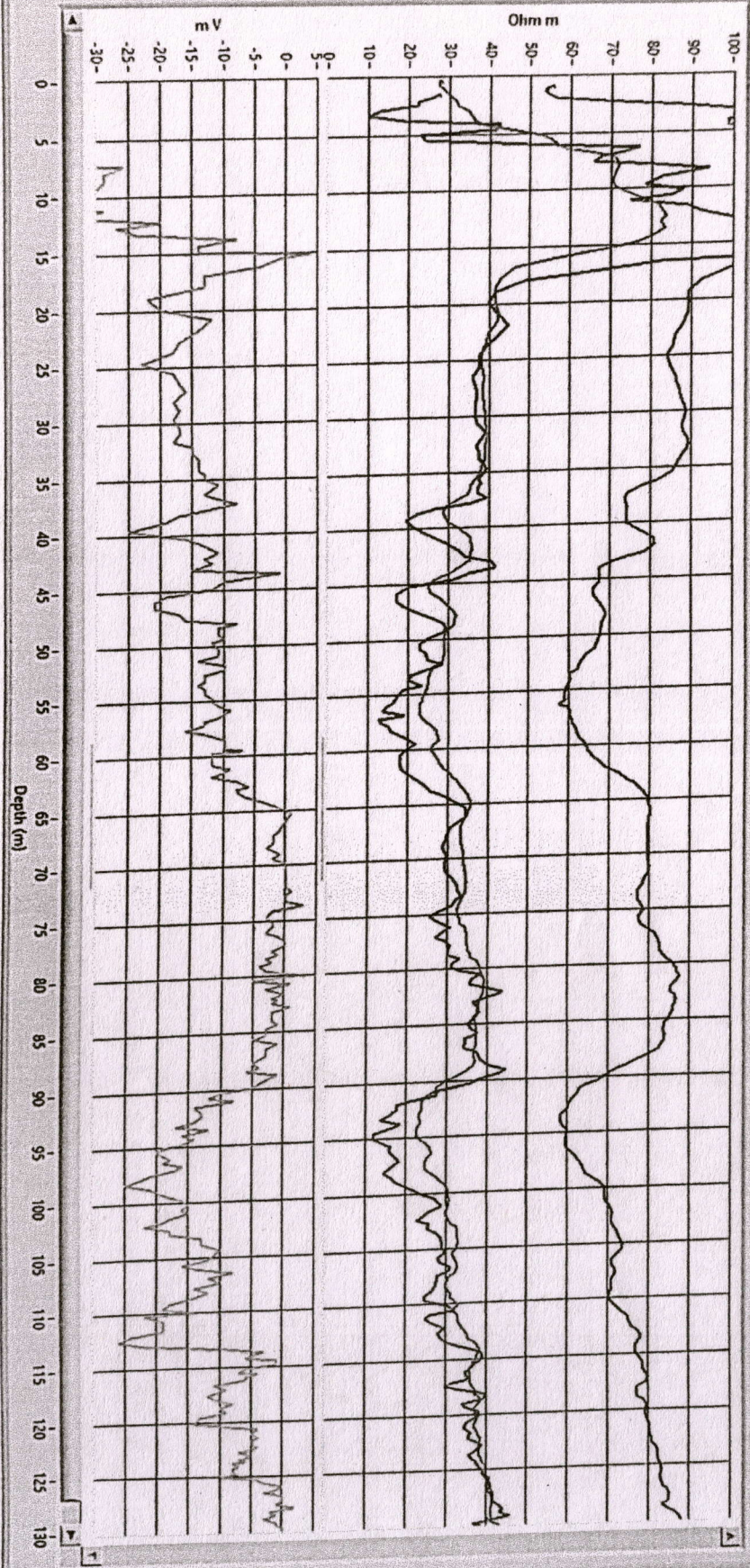
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N16 (SN)
N16 (LN)
LAT

Logging Details
Logger: S No. 16
Date: 22/01/2022
Time: 11:30 AM
Location: Gurgaon, India

Logger's Name:
IGIS/S/O1/21-22

SP (m V)

Logger Model:
DMP-L-2
Logger Owned by:
GROUND WATER
SURVEY
CONSULTANCY
AGRA, UP, India



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.
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



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