

**GROUND WATER SURVEY CONSULTANCY**  
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL  
ELECTOLOGGING REPORT**

Ref No:-A-2409

Date:- 22-12-2023

**NAME OF SITE**

Gram Panchayat- Nadha

BLOCK- Dahagawan

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  
Agra

JG  
JV

# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- NADHA, BLOCK- DAHAGAWAN, DISTT- BADAUN  
UNDER  
JAL JIVAN MISSION

## Introduction :

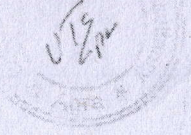
A Deep bore hole was drilled 130 mtrs. depth. and Logged depth 125 mtrs. at above site. Was drilled by M/S PNC-SPML-JV, Badaun.

On the request of M/S PNC-SPML-JV, Badaun. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 22.Dec.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 - 10	5	Dry sand	
3.	10 - 20	10	Fine sand	
4.	20 - 25	5	Clay kankar	
5.	25 - 37	12	Medium sand	Medium
6.	37 - 42	5	Clay kankar	
7.	42 - 45*	3	Medium sand	Medium
8.	45 - 60	15	Clay kankar	
9.	60 - 70*	10	Medium sand	Medium
10.	70 - 75	5	Clay kankar	
11.	75 - 85*	10	Medium sand	Medium
12.	85 - 120	35	Clay kankar	
13.	120 - 125*	5	Medium sand	Medium

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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.

**Geologist**



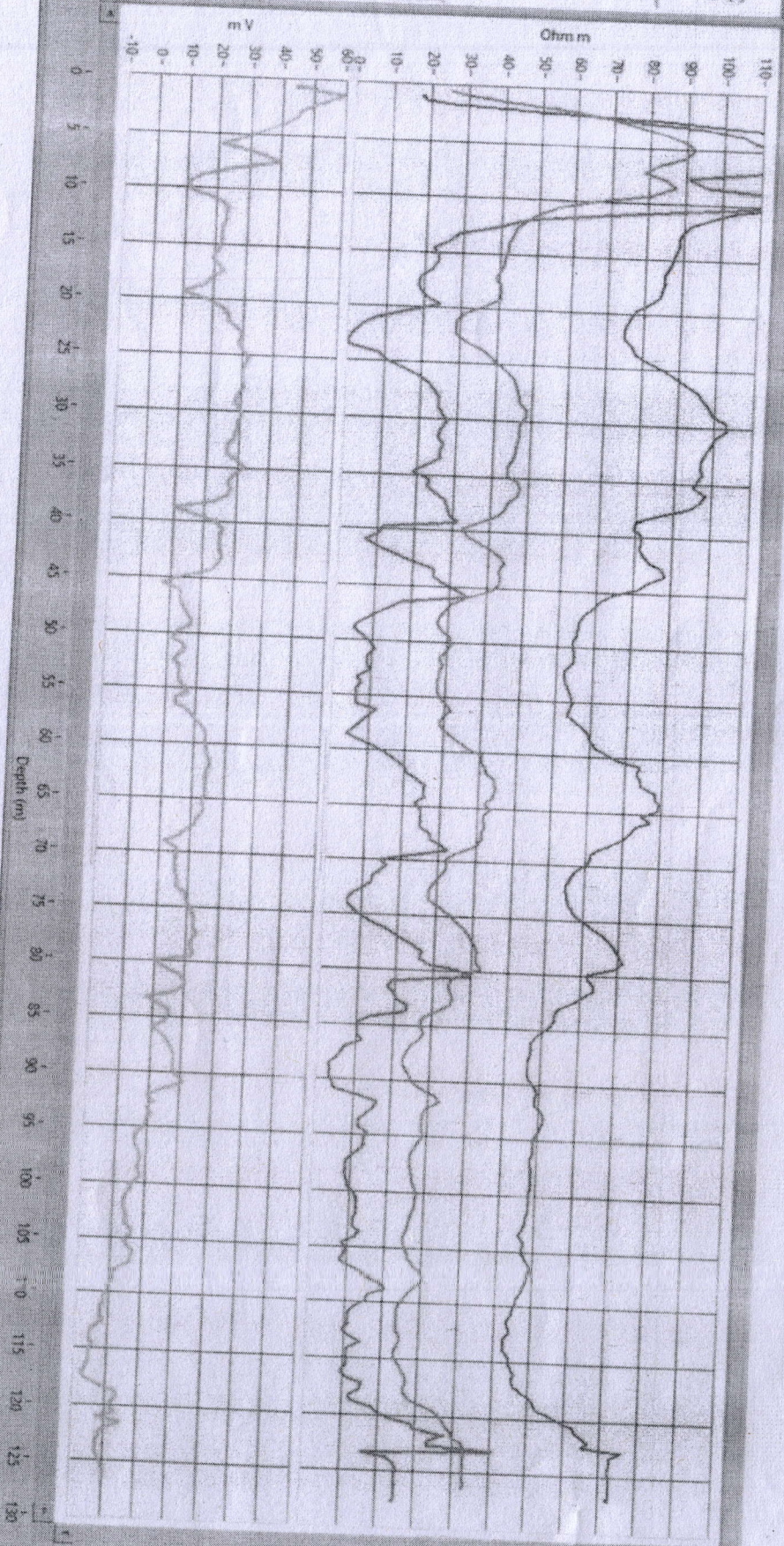
Rice a  
N16 (SN)  
N4441(N)  
LAT

Logging Details  
Project No. 014  
Date of Survey 16/04/2022  
Site Name 014  
Sheet No. 01

Logger S.No. 1  
IGIS/S/04/21-22

Logger Name: SR (m V)  
DRAPI-2

Logger Owned By:  
GROUND WATER  
SURVEY  
CORRU TANCY  
- AGRA INDIA



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