

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

**GEO-PHYSICAL WELL  
ELECTROLOGGING REPORT**

Ref No:-A-1200

Date:- 28-07-2023

**NAME OF SITE**

GRAM PANCHAYAT- Naugava Naseemagar      BLOCK- Mion      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- NAUGAWA NASEERNAGAR, BLOCK- MION, 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 in the above bore hole using IGIS Well Logger on 28:July.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 - 15	10	Dry sand	
3.	15 - 35	20	Medium sand	Medium
4.	35 - 40	5	Clay kankar	
5.	40 - 48	8	Medium sand	Medium
6.	48 - 60	12	Clay kankar	
7.	60 - 71*	11	Medium sand	Medium
8.	71 - 75	4	Clay kankar	
9.	75 - 83*	8	Medium sand & kankar	Medium
10.	83 - 104	21	Clay kankar	
11.	104 - 130*	26	Medium sand & kankar	Medium
12.	130 - 140	10	Clay kankar	

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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 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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Rho a  
 N 16(SN)  
 N 64 (LN)  
 LAT

Location:  
 Logging & Navigation  
 Hattarampur Forest Meter  
 Dept. Forest  
 Imp No.  
 P.O. Hattarampur  
 Dist. Allahabad  
 State. U.P.  
 Country. Indian State KS  
 Wire Date

Page 3 No.  
 (GIS/00/22-23)

Dip: 90  
 Dip: 90

Dipper Model:  
 DMPL-2  
 Dipper Owned by:

GROUND WATER  
 SURVEY  
 CONSULTANCY  
 AGRA, UP, INDIA

