

# GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

## GEO-PHYSICAL WELL ELECTROLOGGING REPORT

Ref No:-A-2634

Date:- 22-02-2024

### NAME OF SITE

GRAM PANCHAYAT- Dhammi Patti

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**

Ground Water Survey Consultancy  
Agra

# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- DHAMMI PATTI, BLOCK- MION, 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 in the above bore hole using IGIS Well Logger on 22.Feb.2024.

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 - 23	18	Fine sand	
3.	23 - 29	6	Clay kankar	
4.	29 - 46	17	Medium sand	Medium
5.	46 - 55	9	Clay kankar	
6.	55 - 88*	33	Medium sand & kankar	Medium
7.	88 - 103	15	Clay kankar	
8.	103 - 113*	10	Medium sand	Medium
9.	113 - 123	10	Clay kankar	
10.	123 - 126*	3	Medium sand	Medium
11.	126 - 130	4	Clay kankar	

## 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 tube well
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**

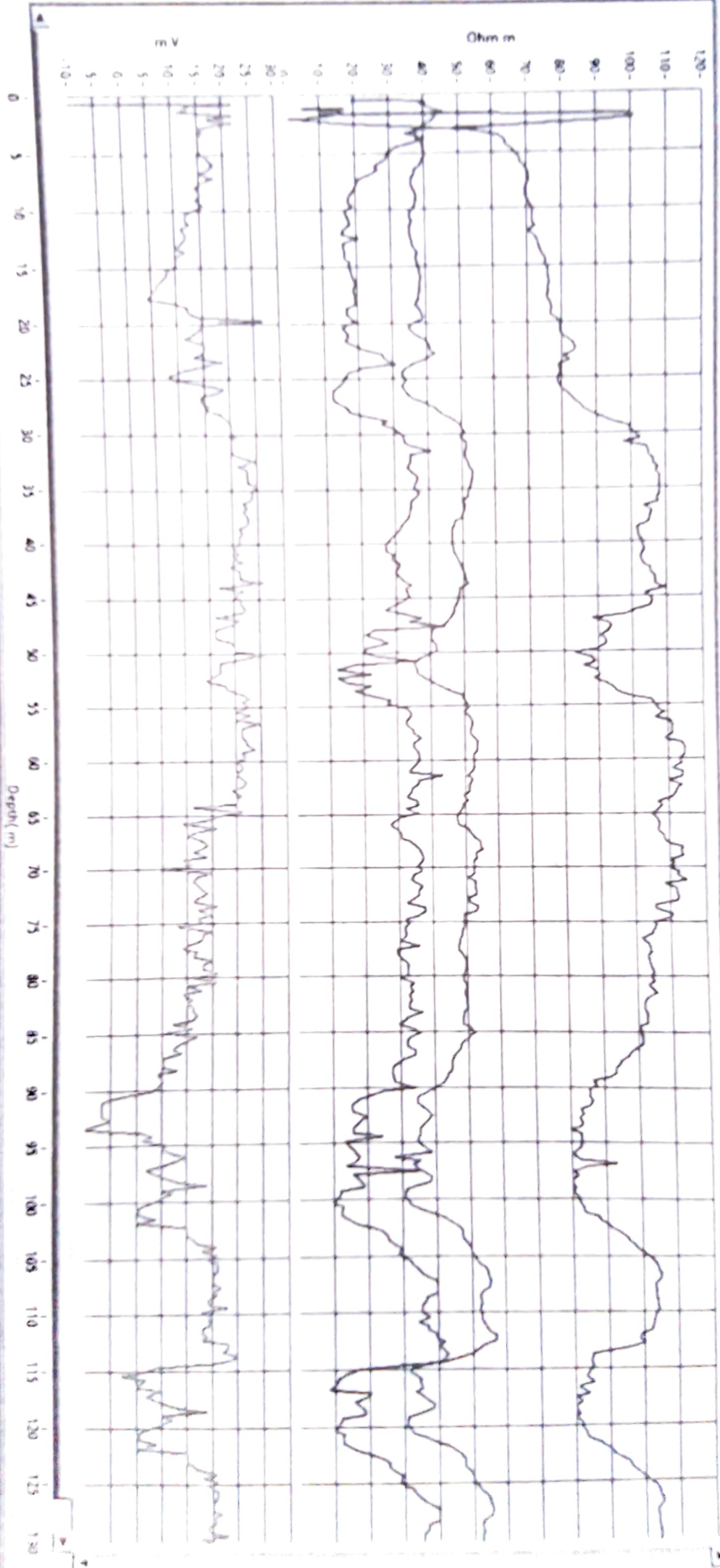


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N 163540  
 N 64 0 0 N  
 LAT

100-90-80-70-60-50-40-30-20-10-0  
 Ohm m

0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120 125 130  
 Depth (m)



SP  
 APPR  
 GWT  
 GROUND WATER  
 PAVITY  
 CONSISTANCY  
 USA OF India

11/11/21