

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

**GEO-PHYSICAL WELL  
ELECTROLOGGING REPORT**

Ref No:-A- 1371

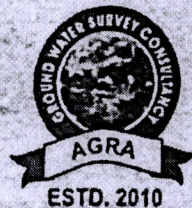
Date:- 13-08-2023

**NAME OF SITE**

GRAM PANCHAYAT- Burra Faridpur & Pataura BLOCK- Ujhani DISTT- Badaun

**NAME OF AGENCY**

M/s PNC-SPML-JV  
Badaun



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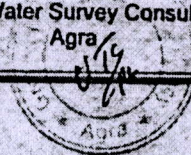
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

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**ISO ; 9001 : 2015**

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# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- BURRA FARIDPUR & PATAURA, BLOCK- UJHANI,  
DISTT- BADAUN

UNDER  
JAL JIVAN MISSION

## Introduction :

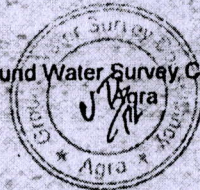
A Deep bore hole was drilled 140 mtrs. depth. and Logged depth 140 mtrs. at above site. Was drilled by M/S PNC-SPML-JV, Badaun.

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 13.Aug.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	Clay kankar	
3.	10 - 17	7	Dry sand	
4.	17 - 20	3	Clay kankar	
5.	20 - 38	18	Medium sand	Medium
6.	38 - 45	7	Clay kankar	
7.	45 - 53*	8	Medium sand	Medium
8.	53 - 60	7	Clay kankar	
9.	60 - 70*	10	Medium sand	Medium
10.	70 - 80	10	Clay kankar	
11.	80 - 94	14	Clay kankar	
12.	94 - 100	6	Fine sand	Medium
13.	100 - 112	12	Clay kankar	
14.	112 - 131*	19	Medium sand	Medium
15.	131 - 140	9	Clay kankar	

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**Conclusions and Recommendations :-**

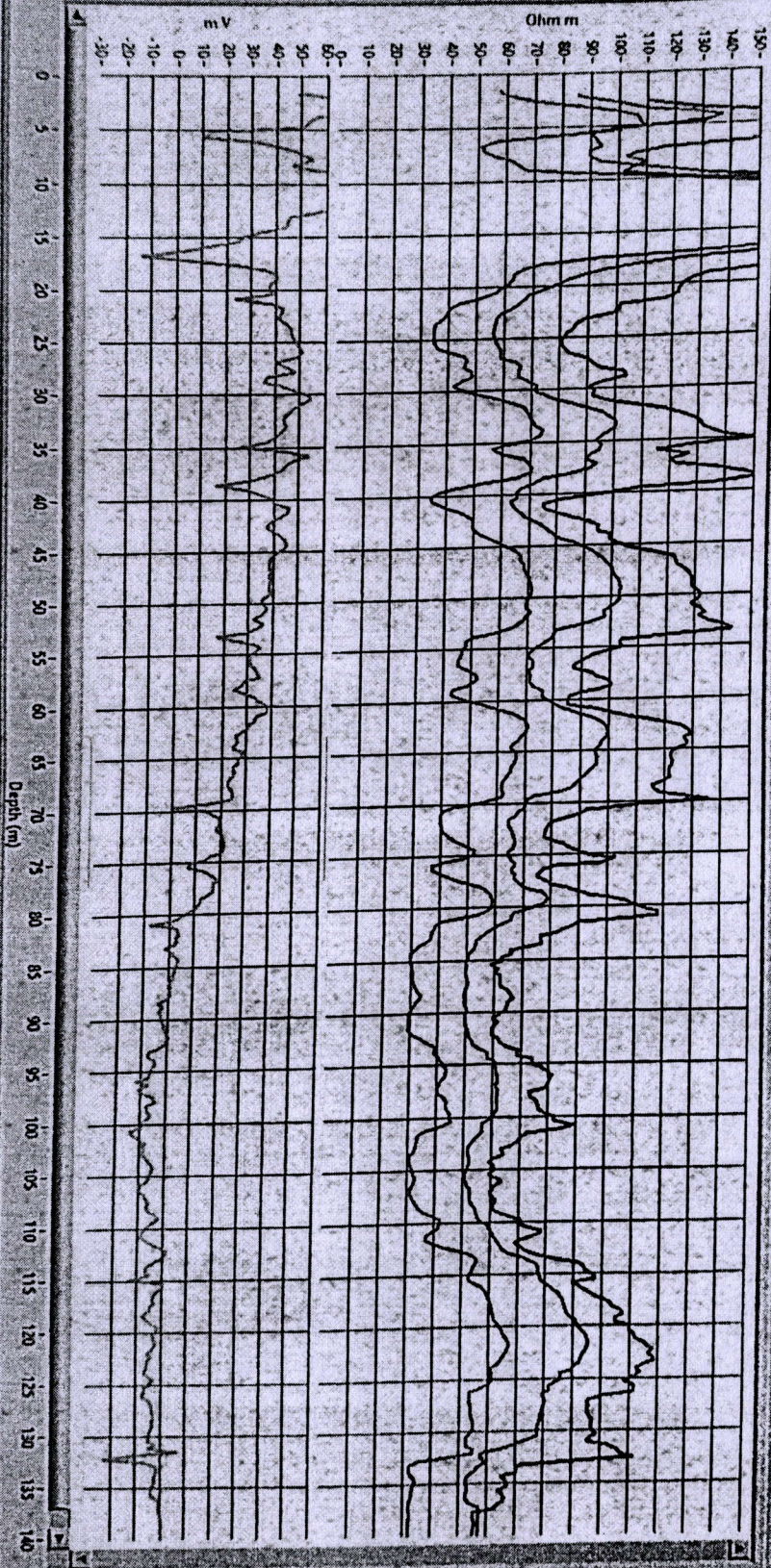
1. The Lithology broadly tallies with that of drill cutting strata chart.
2. The zones marked with asterisk (\*) appear to be aquifer zones for possible development of tubewell.
3. The Quality of water is expected Medium.
4. It is recommended to have a chemical and bacteriological analysis of the water 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.

**Geophysicist**



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E  
 No 2  
 N16 SW  
 N40 LN  
 LAT  
 130-  
 140-  
 130-  
 120-  
 110-  
 100-  
 90-  
 80-  
 70-  
 60-  
 50-  
 40-  
 30-  
 20-  
 10-  
 0-  
 -10-  
 -20-  
 -30-  
 Ohm m  
 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120 125 130 135 140  
 Depth (m)



E  
 No 2  
 N16 SW  
 N40 LN  
 LAT  
 130-  
 140-  
 130-  
 120-  
 110-  
 100-  
 90-  
 80-  
 70-  
 60-  
 50-  
 40-  
 30-  
 20-  
 10-  
 0-  
 -10-  
 -20-  
 -30-  
 Ohm m  
 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120 125 130 135 140  
 Depth (m)

