

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

**GEO-PHYSICAL WELL  
ELECTROLOGGING REPORT**

Ref No:- 730

Date:- 02-09-2022

**NAME OF SITE**

Gram Panchayat- Kariamai      BLOCK- Ishalamnagar      DISTT- Badaun

**NAME OF AGENCY**

M/s PNC-SPML-JV  
Badaun



**GROUND WATER SURVEY CONSULTANCY**

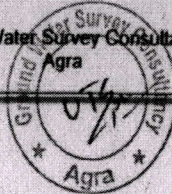
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

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**ISO ; 9001 : 2015**

Ground Water Survey Consultancy



# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- KARIAMAI, BLOCK- ISHALAMNAGAR  
DISTT.- BADAUN  
UNDER  
JAL JIVAN MISSION

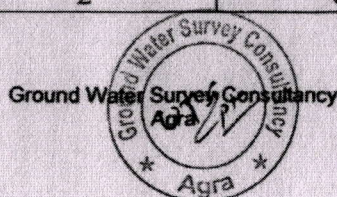
## Introduction :

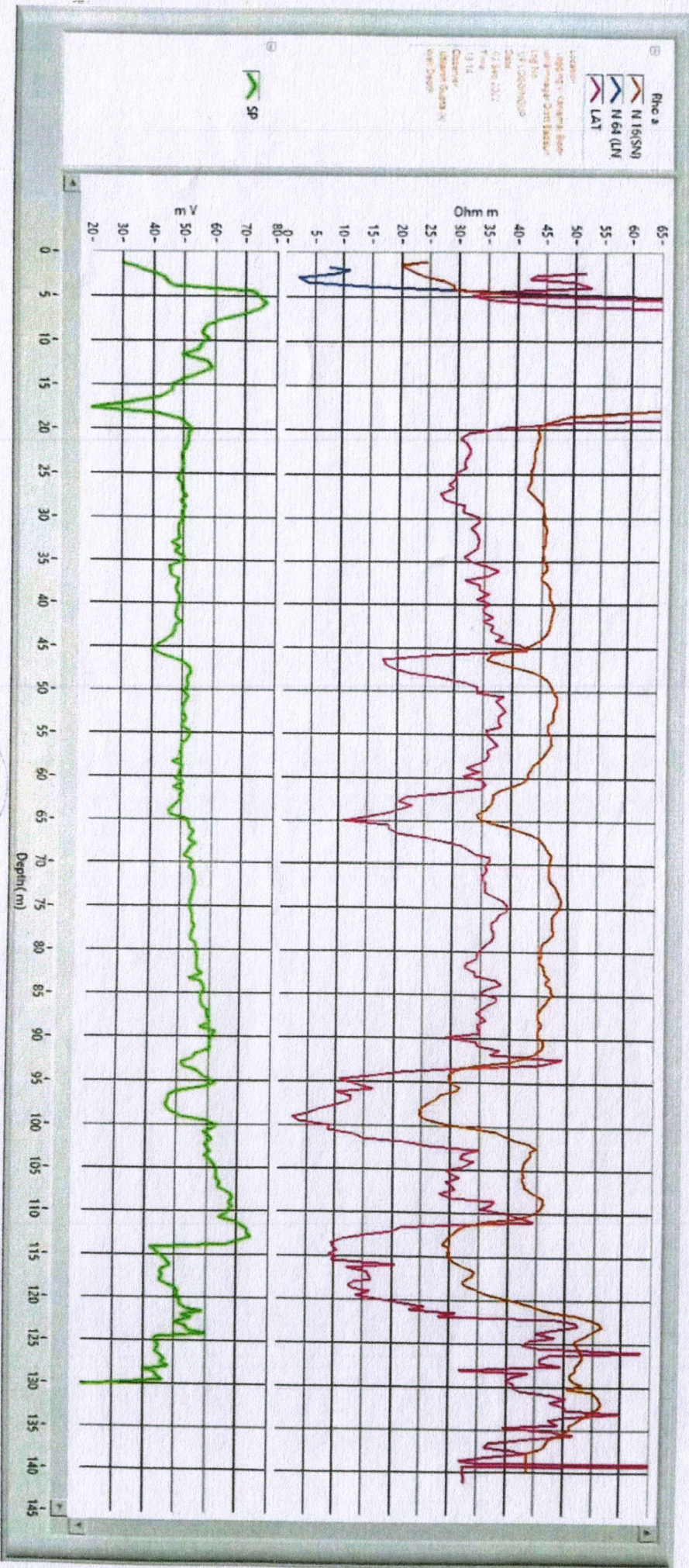
A Deep bore hole was drilled 145 mtrs. depth. and Logged depth 139 mtrs. at above site. Was drilled by M/S PNC-SPML-JV, Badaun.

On the request of M/S PNC-SPMI -JV, Badaun, a Geophysical well Logging is conduct at above bore hole using IGIS Well Logger on 02.Sep.2022.

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 - 20	15	Dry sand	
3.	20 - 30	10	Clay kankar	
4.	30 - 44	14	Medium sand	Good
5.	44 - 49	5	Clay kankar	
6.	49 - 60*	11	Medium sand	Good
7.	60 - 67	7	Clay kankar	
8.	67 - 91*	24	Medium sand	Good
9.	91 - 100	9	Clay kankar	
10.	100 - 110*	10	Medium sand	Good
11.	110 - 120	10	Clay kankar	
12.	120 - 137*	17	Medium sand	Good
13.	137 - 139	2	Clay kankar	

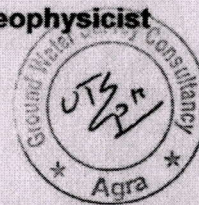




**Conclusions and Recommendations :-**

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 tubewell.
3. The Quality of water is expected Good.
4. Expected discharge is 1000 to 1100 L.P.M.
5. 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.
6. 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**



**Ground Water Survey Consultancy**

