

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL
ELECTROLOGGING REPORT

RefNo:-N- 1653

Date:- 29-03-2023

NAME OF SITE

GRAM PANCHAYAT - Andhrau BLOCK - Dataganj DISTT - Badaun

NAME OF AGENCY

M/s PNC-SPML-JV
Badaun



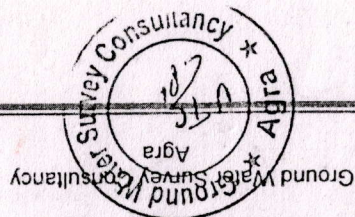
GROUND WATER SURVEY CONSULTANCY

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

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ISO ; 9001 : 2015



REPORT ON GEOPHYSICAL WELL LOGGING

AT

GRAM PANCHAYAT- ANDHIRAU, BLOCK- DATAGANJ, DISTT- BADAUN

UNDER

JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 145 mtrs. depth. and Logged depth 127 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 29. Mar. 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 - 8	3	Dry sand	
3.	8 - 10	2	Clay kankar	
4.	10 - 17	7	Fine sand	
5.	17 - 30	13	Clay kankar	
6.	30 - 36	6	Medium sand	Medium
7.	36 - 41	5	Clay kankar	
8.	41 - 46	5	Medium sand	Medium
9.	46 - 50	4	Clay kankar	
10.	50 - 59*	9	Medium sand	Medium
11.	59 - 63	4	Clay kankar	
12.	63 - 70*	7	Medium sand	Medium
13.	70 - 76	6	Clay kankar	
14.	76 - 90*	14	Medium sand	Medium
15.	90 - 105	15	Clay	
16.	105 - 113	8	Medium sand	Medium
17.	113 - 127	14	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 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.



Ground Water Survey Consultancy

