

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL
ELECTOLOGGING REPORT**

Ref No:-B-1171

Date:-29-06-2023

NAME OF SITE

GRAM PANCHAYAT- Ajhrau

BLOCK- Usawan

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- AJHRAU, BLOCK- USAWAN, 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 29.June.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 - 11	6	Dry sand	
3.	11 - 18	7	Fine sand	
4.	18 - 25	7	Clay kankar	
5.	25 - 33	8	Fine to Medium sand	Good
6.	33 - 56	23	Clay kankar	
7.	56 - 75*	19	Medium sand	Good
8.	75 - 88	13	Clay kankar	
9.	88 - 93	5	Fine sand	Good
10.	93 - 100	7	Clay kankar	
11.	100 - 120*	20	Medium sand & kankar	Good
12.	120 - 133	13	Clay kankar	
13.	133 - 140	7	Fine sand	Good

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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 Good.
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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LOGGING SHEET
No. 1
DATE
LOGGING DEPTH

LOGGING DEPTH
1000-1000-24

3
SP (m V)
Logger Name
DHPI-2
Logger Contact by
Ground Water
Survey Consultancy
Agra UP India

