

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL
ELECTROLOGGING REPORT

Ref No:-B-3241

Date:- 18-03-2024

NAME OF SITE

Gram Panchayat- Aslaur BLOCK - Sahaswan DISTT - Badaun

NAME OF AGENCY

M/s PNC-SPML-JV
Badaun



GROUND WATER SURVEY CONSULTANCY

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

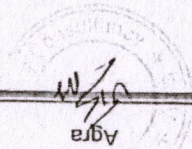
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ISO : 9001 : 2015

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REPORT ON GEOPHYSICAL WELL LOGGING

AT

GRAM PANCHAYAT-ASLAUR, BLOCK-SAHASWAN, 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 is conduct

at above bore hole using IGS Well Logger on 18-Aug-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 - 12	7	Clay kankar	
3.	12 - 20	8	Fine sand	
4.	20 - 28	8	Clay kankar	
5.	28 - 36	8	Medium sand	Med to Good
6.	36 - 41	5	Clay kankar	
7.	41 - 45	4	Fine to Medium sand	Med to Good
8.	45 - 59	14	Clay kankar	
9.	59 - 81*	22	Medium sand	Med to Good
10.	81 - 87	6	Clay kankar	
11.	87 - 97*	10	Medium sand	Med to Good
12.	97 - 117	20	Clay kankar	
13.	117 - 125*	8	Medium sand	Med to Good
14.	125 - 130	5	Clay kankar	

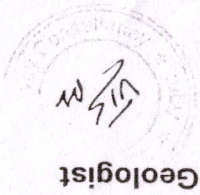
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Conclusions and Recommendations :-

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 to 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.



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