

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL
ELECTROLOGGING REPORT**

Ref No:-B-1672

Date:- 07-09-2023

NAME OF SITE

Gram Panchayat- Saiflaganj

BLOCK- Islamnagar

DISTT- Badaun

NAME OF AGENCY

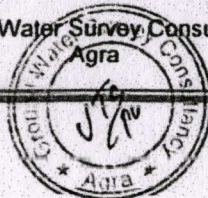
M/s PNC-SPML-JV
Badaun



GROUND WATER SURVEY CONSULTANCY
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REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- SAIFLAGANJ, BLOCK- ISLAMNAGAR, 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 IGIS Well Logger on 07.Sep.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 - 15	10	Dry sand	
3.	15 - 28	13	Clay kankar	
4.	28 - 47	19	Medium sand	Med to Good
5.	47 - 60	13	Clay kankar	
6.	60 - 70*	10	Medium sand	Med to Good
7.	70 - 79	9	Clay kankar	
8.	79 - 89*	10	Medium sand	Med to Good
9.	89 - 103	14	Clay kankar	
10.	103 - 106*	3	Fine to Med sand & kankar	Med to Good
11.	106 - 125	19	Clay kankar	
12.	125 - 127	2	Fine sand	Med to Good
13.	127 - 130	3	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.
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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