

GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL ELECTROLOGGING REPORT

Ref No:-A-1556

Date:- 03-09-2023

NAME OF SITE

GRAM PANCHAYAT- Roopamai

BLOCK- Mion

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- ROOPAMAI, BLOCK- MION, 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 03.Sep.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 - 18	13	Dry sand	
3.	18 - 30	12	Clay kankar	
4.	30 - 51	21	Medium sand	Medium
5.	51 - 67	16	Clay kankar	
6.	67 - 82*	15	Medium sand	Medium
7.	82 - 101	19	Clay kankar	
8.	101 - 107*	6	Medium sand	Medium
9.	107 - 119	12	Clay kankar	
10.	119 - 125*	6	Medium sand	Medium
11.	125 - 130	5	Clay kankar	
12.	130 - 132	2	Fine sand	Medium
13.	132 - 140	8	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 tube well.
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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Rio a
 N16 SNV
 N84QV0
 LAT

Logging Details
 Log of G. Koccar & Sons
 Meter Drill Log
 UJ LOGGING
 G. S. S. S. S.
 12.22
 Uncon. G. S. S. S.

Logger DI No.
 IGIS/02/22-23

Logger Name
 DMP-2

Logger Owned by
 GROUND WATER
 SURVEY
 CONSULTANCY
 AGRA, UP, INDIA

SP (mV)

