

GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL ELECTROLOGGING REPORT

Ref No:-B-757

Date:- 02-06-2023

NAME OF SITE

Gram Panchayat- Rudeina Ghangosi

BLOCK- Ambiyapur

DISTT- Badaun

NAME OF AGENCY

M/s PNC-SPML-JV
Badaun



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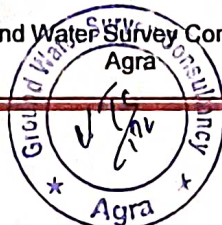
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

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ISO ; 9001 : 2015

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REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- RUDEINA GHANGOSI, BLOCK- AMBIYAPUR, DISTT.- BADAUN
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 140 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 02.June.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 - 18	13	Dry sand	
3.	18 - 27	9	Clay kankar	
4.	27 - 42	15	Medium sand	Good
5.	42 - 46	4	Clay kankar	
6.	46 - 52	6	Fine sand	Good
7.	52 - 65	13	Clay kankar	
8.	65 - 75*	10	Medium sand	Good
9.	75 - 80	5	Clay kankar	
10.	80 - 96*	16	Medium sand	Good
11.	96 - 106	10	Clay kankar	
12.	106 - 115*	9	Medium sand	Good
13.	115 - 130	15	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 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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Rino a
 NIS SNC
 NS-SUN
 LAT

Logging Details
 Logging Operator
 Logging Date
 Logging Time
 Logging Location

Logger's Name
 IGIS/CA/21-22

Logger Model
 DMP1-2

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