

GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL ELECTOLOGGING REPORT

Ref No:-B-3237

Date:- 16-03-2024

NAME OF SITE

GRAM PANCHAYAT- Bhawanipur BLOCK- Dahagawan DISTT- Badaun

NAME OF AGENCY

M/s PNC-SPML-JV
Badaun



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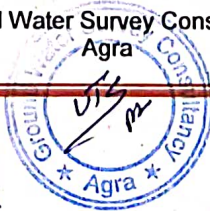
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

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ISO ; 9001 : 2015

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REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- BHAWANIPUR, BLOCK- DAHAGAWAN, 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 conducted at above bore hole using IGIS Well Logger on 16.Mar.2024.

Logging Parameters - 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 - 17	12	Clay kankar	
3.	17 - 29	12	Medium sand	Medium
4.	29 - 46	17	Clay kankar	
5.	46 - 67*	21	Medium sand	Medium
6.	67 - 80	13	Clay kankar	
7.	80 - 83*	3	Fine to Medium sand	Medium
8.	83 - 95	12	Clay kankar	
9.	95 - 105	10	Fine sand	Medium
10.	105 - 130	25	Clay kankar	

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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 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.



Geologist

No. a
 N16 (SNT)
 NS4(U/N)
 LAT

Logging Details:
 Spig. V. Transducer
 case no. depth no. 611
 50000
 US (SNT) 611
 14 May 2004
 12.41

Logger S. No:
 IGSS/S01/10-11

E
 SP (m V)
 Logger Model:
 DMFL-2
 Logger Owned by:
 GROUND WATER
 SURVEY
 CONSULTANCY
 - AGRA INDIA

