

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL
ELECTROLOGGING REPORT**

Ref No:- 406

Date:- 21-12-2022

NAME OF SITE

Gram Panchayat- Tarapur

BLOCK- Bisauli

DISTT- Badaun

NAME OF AGENCY

M/s PNC-SPML-JV
Badaun



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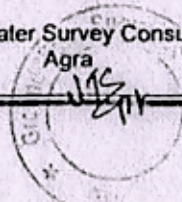
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

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ISO ; 9001 : 2015

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REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- TARAPUR, BLOCK- BISAULI, DISTT.- BADAUN
UNDER
JAL JIVAN MISSION

Introduction :

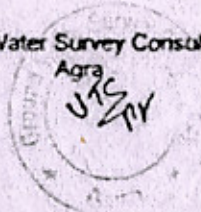
A Deep bore hole was drilled 120 mtrs. depth. and Logged depth 120 mtrs. at above site. Was drilled by M/S PNC-SPML-JV, Badaun.

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 21 Dec. 2022.

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 - 21	3	Clay	
4.	21 - 35	14	Fine sand	Med to Good
5.	35 - 40	5	Clay kankar	
6.	40 - 46	6	Fine sand	Med to Good
7.	46 - 50	4	Clay kankar	
8.	50 - 78*	28	Medium sand	Med to Good
9.	78 - 87	9	Clay kankar	
10.	87 - 95	8	Fine sand	Med to Good
11.	95 - 100	5	Clay kankar	
12.	100 - 115*	15	Medium sand	Med to Good
13.	115 - 118	3	Clay kankar	
14.	118 - 120	2	Fine sand	Med to Good

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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.

Geophysicist



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Logging Details:
 Log No. 1
 Log Date: 11/11/2007
 Log Time: 14:30
 Log Location:

-Spher: 1.5m
 IGS/S/03/21-22

Spher: None
 DMP/L-2
 Spher: Curved By

Ground Water Survey
 Consultancy - Agria
 India

