

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL
ELECTROLOGGING REPORT

Ref No:-A-2109

Date:- 03-11-2023

NAME OF SITE

GRAM PANCHAYAT-Dharampur Viharipur
BLOCK-Bisauli DISTT-Badaun

NAME OF AGENCY

M/s PNC-SPML-JV
Badoun



GROUND WATER SURVEY CONSULTANCY

Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.
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ISO : 9001 : 2015

Ground Water Survey Consultancy



REPORT ON GEOPHYSICAL WELL LOGGING

AT

GRAM PANCHAYAT- DHARAMPUR VIHARIPUR, BLOCK- BISAULI,

DISTT- BADAUN

UNDER

JAL JIVAN MISSION

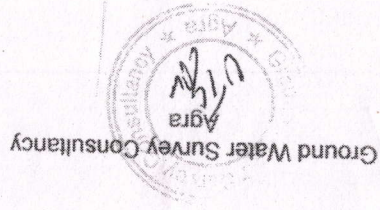
Introduction:

A Deep bore hole was drilled 140 mtrs. depth. and Logged depth 135 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 GIS Well Logger on 03.Nov.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 - 20	15	Dry sand	
3.	20 - 27	7	Clay kanakar	
4.	27 - 40	13	Medium sand	Medium
5.	40 - 55	15	Clay kanakar	
6.	55 - 61*	6	Medium sand	Medium
7.	61 - 65	4	Clay kanakar	
8.	65 - 105*	40	Medium sand	Medium
9.	105 - 111	6	Clay kanakar	
10.	111 - 124*	13	Medium sand	Medium
11.	124 - 131	7	Clay kanakar	
12.	131 - 135*	4	Medium sand	Medium



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.



Geophysicist

Ground Water Survey Consultancy

Rho a
 N16 (SN)
 NSAL(N)
 LAT

Logging Details:
 Logging SP Drivemeter
 Vibration Block Brass Drill
 Bullhorn
 UP LOGGINGUP
 03 Nov 2023
 10:54
 Unnao Gata (AG)

Logger S/N: IGIS/S/01/21-22

Logger Model: DMPL-2
 Logger Owned by: GROUND WATER SURVEY CONSULTANCY AGRA, UP, India

