

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL
ELECTROLOGGING REPORT

Ref No:-B-2052

Date:- 14-10-2023

NAME OF SITE

GRAM PANCHAYAT-Ghooranpur
BLOCK-Sahaswan
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- GHORANPUR, BLOCK- SAHASWAN, DISTT- BADAUN

UNDER

JAL JIVAN MISSION

Introduction:

A Deep bore hole was drilled 150 mtrs. depth. and Logged depth 148 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 14.Oct.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 - 11	6	Clay kanakar	
3.	11 - 18	7	Fine sand	
4.	18 - 21	3	Clay kanakar	
5.	21 - 35	14	Medium sand	Medium
6.	35 - 40	5	Clay kanakar	
7.	40 - 53*	13	Medium sand	Medium
8.	53 - 60	7	Clay kanakar	
9.	60 - 67*	7	Medium sand	Medium
10.	67 - 75	8	Clay kanakar	
11.	75 - 80*	5	Medium sand	Medium
12.	80 - 90	10	Clay kanakar	
13.	90 - 101*	11	Medium sand & kanakar	Medium
14.	101 - 105	4	Clay kanakar	
15.	105 - 117*	12	Fine to Medium sand	Medium
16.	117 - 130	13	Clay kanakar	
17.	130 - 135	5	Fine sand	Medium
18.	135 - 148	13	Clay kanakar	



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



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