

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL
ELECTROLOGGING REPORT**

Ref No:-B-2178

Date:- 23-10-2023

NAME OF SITE

GRAM PANCHAYAT- Ajanawar

BLOCK- Bisauli

DISTT- Badaun

NAME OF AGENCY

M/s PNC-SPML-JV

Badaun



GROUND WATER SURVEY CONSULTANCY

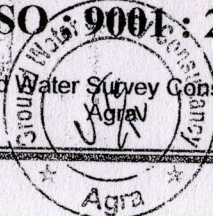
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

112 A-Shree Nagar Colony, Firozabad Road, Agra- 282006

(M) : 9412260823, 9794625420, 9761163000, Email : gwsc_agra@yahoo.com

ISO 9001: 2015

Ground Water Survey Consultancy



REPORT ON GEOPHYSICAL WELL LOGGING AT

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

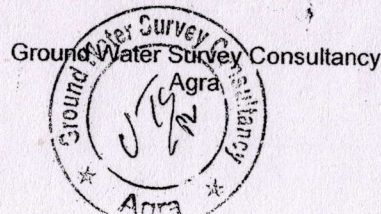
Introduction :

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 IGIS Well Logger on 23.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 - 18	13	Dry sand	
3.	18 - 25	7	Fine sand	
4.	25 - 33	8	Clay kankar	
5.	33 - 45	12	Fine to Medium sand	Medium
6.	45 - 50	5	Clay kankar	
7.	50 - 55	5	Fine sand	Medium
8.	55 - 60	5	Clay kankar	
9.	60 - 64*	4	Fine to Medium sand	Medium
10.	64 - 68	4	Clay kankar	
11.	68 - 101*	33	Medium sand & kankar	Medium
12.	101 - 112	11	Clay kankar	
13.	112 - 115	3	Fine sand	Medium
14.	115 - 127	12	Clay kankar	
15.	127 - 136*	8	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

R10 a
N16 (SN)
N6(KLN)
LAT

Logging Details:

Logging Co: Aharwal & Co.
315A/1, Dist. Secd. J.P.
UP, LOGGERSHIP
23 Oct 2023
21:06
Uttarakhand (AG)

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

Logger Model: SP (m V)

DNPL-2

Logger Owned by:

GROUND WATER SURVEY CONSULTANCY AGRA, UP, India.

