

**GROUND WATER SURVEY CONSULTANCY**  
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL  
ELECTROLOGGING REPORT**

RefNo:-B- 220

Date:- 25-04-2023

**NAME OF SITE**

Gram Panchayat- Kandharpur

BLOCK- Islamnagar

DISTT- Badaun

**NAME OF AGENCY**

M/s PNC-SPML-JV  
Badaun



**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- KANDHARPUR, BLOCK- ISLAMNAGAR, DISTT.- BADAUN  
UNDER  
JAL JIVAN MISSION

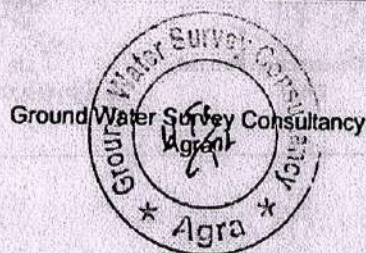
## Introduction :

A Deep bore hole was drilled 110 mtrs. depth. and Logged depth 110 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 25.April.2023.

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 - 10	5	Clay kankar	
3.	10 - 18	8	Dry sand	
4.	18 - 20	2	Clay kankar	
5.	20 - 25	5	Fine sand	Medium
6.	25 - 30	5	Clay kankar	
7.	30 - 35	5	Fine sand	Medium
8.	35 - 37	2	Clay kankar	
9.	37 - 55	18	Fine to Medium sand	Medium
10.	55 - 63	8	Clay kankar	
11.	63 - 80*	17	Medium sand & kankar	Medium
12.	80 - 87	7	Kankar	
13.	87 - 101*	14	Medium sand	Medium
14.	101 - 105	4	Clay kankar	
15.	105 - 110*	5	Fine to Medium sand	Medium



**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.
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  
N 16(SN)  
N 64(LN)  
LAT

Location :  
Logging VI :  
Kamarpur Block,  
Mannagar Distt.,  
Gadun  
Log No. :  
LOGGHCup  
Date :  
25 Apr 2023  
Time :  
07:38  
Observer :  
Utkarsh Gupta (RS)  
Well Depth :

SP

