

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

**GEO-PHYSICAL WELL  
ELECTOLOGGING REPORT**

Ref No:- 225

Date:- 14-05-2022

**NAME OF SITE**

Gram Panchayat- Karanpur      BLOCK- Bisauli      DISTT- Badaun

**NAME OF AGENCY**

M/s PNC-SPML-JV  
Badaun



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**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- KARANPUR, BLOCK- BISAULI, DISTT.- BADAUN  
UNDER  
JAL JIVAN MISSION

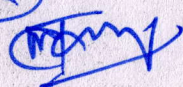
## Introduction :

A Deep bore hole was drilled 140 mtrs. depth. and Logged depth 139 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.May.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 - 15	10	Dry sand	
3.	15 - 45	30	Clay kankar	
4.	45 - 52	7	Medium sand	Med. to Good
5.	52 - 62	10	Clay kankar	
6.	62 - 77*	15	Medium sand	Med. to Good
7.	77 - 83	6	Clay kankar	
8.	83 - 86*	3	Fine to Medium sand	Med. to Good
9.	86 - 90	4	Clay kankar	
10.	90 - 101*	11	Medium sand	Med. to Good
11.	101 - 106	5	Clay kankar	
12.	106 - 119*	13	Medium sand	Med. to Good
13.	119 - 127	8	Clay kankar	
14.	127 - 133*	6	Medium sand	Med. to Good
15.	133 - 139	6	Clay kankar	

(A)  




**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. Expected discharge is 1000 to 1100 L.P.M.
5. 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.
6. 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.

(R)  
mmy

**Geophysicist**



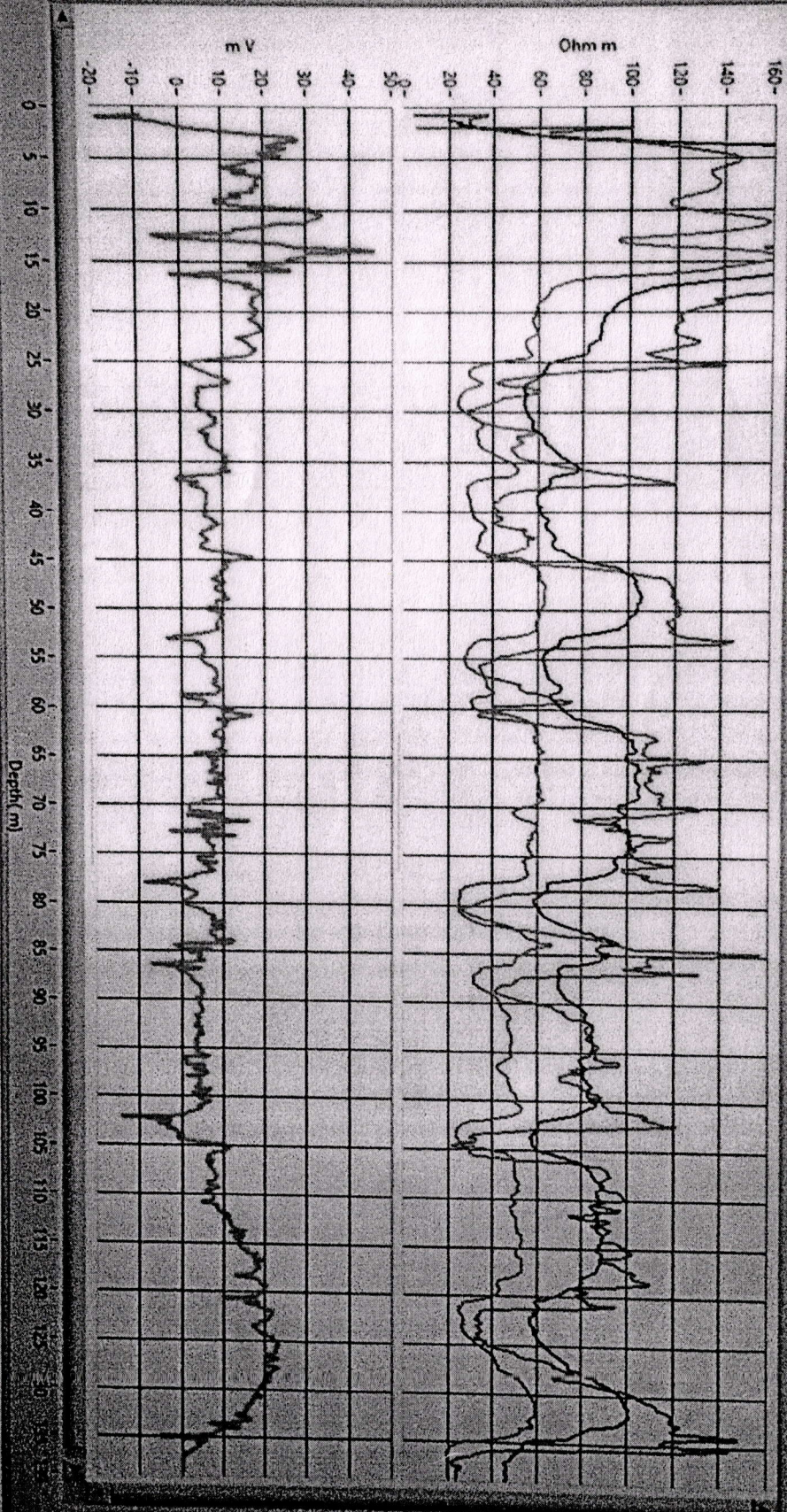
**Ground Water Survey Consultancy**



Rho a  
 N K(S/N)  
 N 64 (L/N)  
 LAT

Location:  
 Logging in N/S/1000m Grid  
 3 km, Dist. 500m  
 100 m  
 SP 10000000  
 Date  
 21 Aug 2012  
 Time  
 11:20  
 Operator  
 Under: G. S. J. G.  
 Well Depth:

SP



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