

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

**GEO-PHYSICAL WELL  
ELECTROLOGGING REPORT**

Ref No:-B-2838

Date:- 05-01-2024

**NAME OF SITE**

Gram Panchayat- Karanpur Pukhta

BLOCK- Dataganj

DISTT- Badaun

**NAME OF AGENCY**

M/s PNC-SPML-JV  
Badaun



**GROUND WATER SURVEY CONSULTANCY**

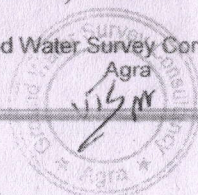
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

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**ISO ; 9001 : 2015**

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# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- KARANPUR PUKHTA, BLOCK- DATAGANJ, DISTT- BADAUN  
UNDER  
JAL JIVAN MISSION

## Introduction :

A Deep bore hole was drilled 130 mtrs. depth. and Logged depth 120 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 in the above bore hole using IGIS Well Logger on 05.Jan.2024.

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 - 12	7	Fine sand	
3.	12 - 15	3	Kankar	
4.	15 - 40	25	Fine to Medium sand	Medium
5.	40 - 45	5	Clay kankar	
6.	45 - 54*	9	Medium sand	Medium
7.	54 - 66	12	Clay kankar	
8.	66 - 93*	27	Medium sand	Medium
9.	93 - 105	12	Clay kankar	
10.	105 - 120*	15	Medium sand	Medium

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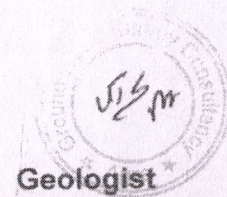


*Bhupendra Kumar*



**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.





Rho a  
N16 (SN)  
N64 (M)  
LAT

Logging Details  
Logging in Klipfontein District  
Municipality of the Northern  
Cape  
05 Jan 2014  
17:43  
Klipperspruit (Area)

Logger S No:  
KGS/S/03/21-22

Logger Model:  
SP (m V)

Logger Model:  
DMPL-2

Logger Owned by:  
GROUND WATER  
SURVEY  
CONSULTANCY  
- ACRIFA INDIA

