

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

**GEO-PHYSICAL WELL  
ELECTOLOGGING REPORT**

Ref No:-A-2166

Date:- 06-11-2023

**NAME OF SITE**

GRAM PANCHAYAT- Kotra Rasula BLOCK- Wazirganj DISTT- Badaun

**NAME OF AGENCY**

M/s PNC-SPML-JV  
Badaun



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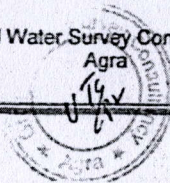
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

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**ISO ; 9001 : 2015**

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# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- KOTRA RASULA, BLOCK- WAZIRGANJ,  
DISTT- BADAUN  
UNDER  
JAL JIVAN MISSION

## Introduction :

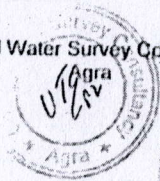
A Deep bore hole was drilled 135 mtrs. depth. and Logged depth 130 mtrs. at above site. Was drilled by M/S PNC-SPML-JV, Badaun.

On the request of M/S PNC-SPML-JV, Badaun. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 06.Nov.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 - 15	10	Dry sand	
3.	15 - 30	15	Clay kankar	
4.	30 - 44	14	Medium sand	Medium
5.	44 - 60	16	Clay kankar	
6.	60 - 72*	12	Medium sand	Medium
7.	72 - 85	13	Clay kankar	
8.	85 - 90*	5	Medium sand	Medium
9.	90 - 102	12	Clay kankar	
10.	102 - 117*	15	Medium sand	Medium
11.	117 - 130	13	Clay kankar	

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**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 tube well.
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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File #  
 NIS (N)  
 NIS (N)  
 LAT

Logging Details  
 Logging of Water Quality  
 from Water Table  
 at 1000m  
 on 10/10/22  
 at 1000m  
 at 1000m

Logger File  
 IGIS/DI/Z-22

Logger Model  
 DMP1-2

Logger Connected By  
 GROUND WATER  
 SURVEY  
 CONSULTANCY  
 AGRA, UP, India

