

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

**GEO-PHYSICAL WELL  
ELECTROLOGGING REPORT**

Ref No:-A-2225

Date:- 23-11-2023

**NAME OF SITE**

GRAM PANCHAYAT- Kutrai

BLOCK- Jagat

DISTT- Badaun

**NAME OF AGENCY**

M/s PNC-SPML-JV  
Badaun



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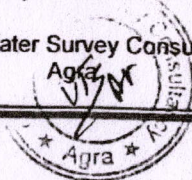
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

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

(M) : 9412260823, 9794625420, 9761163000, Email : gwsc\_agra@yahoo.com

**ISO ; 9001 : 2015**

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# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- KUTRAI, BLOCK- JAGAT, DISTT- BADAUN  
UNDER  
JAL JIVAN MISSION

## Introduction :

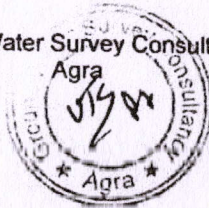
A Deep bore hole was drilled 140 mtrs. depth. and Logged depth 140 mtrs. at above site. Was drilled by M/S PNC-SPML-JV, Badaun.

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.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 - 20	15	Dry sand	
3.	20 - 30	10	Clay kankar	
4.	30 - 45	15	Medium sand	Medium
5.	45 - 58	13	Clay kankar	
6.	58 - 69*	11	Medium sand	Medium
7.	69 - 74	5	Clay kankar	
8.	74 - 80*	6	Medium sand	Medium
9.	80 - 84	4	Clay kankar	
10.	84 - 86*	2	Medium sand	Medium
11.	86 - 93	7	Clay kankar	
12.	93 - 110*	17	Medium sand & kankar	Medium
13.	110 - 135	25	Clay kankar	
14.	135 - 138*	3	Medium sand	Medium
15.	138 - 140	2	Sandy clay	

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**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**



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Rho a  
 N 16(SN)  
 N 64 (LN)  
 LAT  
 Logging Of Core Box  
 Jagat Datt Baidari  
 UP LOGGING  
 23 Nov 2023  
 16 10  
 Unnatej Gauri AGI

Log No: IGIS/S/02/22-23

Log Model: SP  
 DMAP-2  
 Logger Owned by:  
 GROUND WATER  
 SURVEY  
 CONSULTANCY  
 AGRA, UP, INDIA

