

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

**GEO-PHYSICAL WELL  
ELECTOLOGGING REPORT**

Ref No:-A-1694

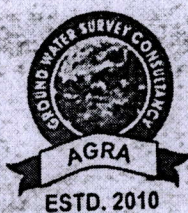
Date:- 26-09-2023

**NAME OF SITE**

GRAM PANCHAYAT- Noorpur Pinauni BOCK- 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.  
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- NOORPUR PINAUNI, BLOCK- ISLAMNAGAR, DISTT- BADAUN  
UNDER  
JAL JIVAN MISSION

## Introduction :

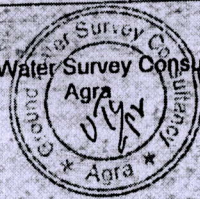
A Deep bore hole was drilled 130 mtrs. depth. and Logged depth 130 mtrs. at above site. Was drilled by M/S PNC-SPML-JV, Badaun.

On the request of M/S PNC-SPML-JV, Badaun. a Geophysical well Logging is conduct at above bore hole using IGIS Well Logger on 26.Sep.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	15	Dry sand	
3.	15 - 30	9	Clay kankar	
4.	30 - 36	16	Medium sand	Medium
5.	36 - 40	5	Clay kankar	
6.	40 - 44	6	Medium sand	Medium
7.	44 - 48	4	Clay kankar	
8.	48 - 50	4	Fine to Medium sand	Medium
9.	50 - 66	7	Clay kankar	
10.	66 - 74*	8	Medium sand	Medium
11.	74 - 79	5	Clay kankar	
12.	79 - 85*	11	Medium sand	Medium
13.	85 - 96	10	Clay kankar	
14.	96 - 110*	5	Medium sand	Medium
15.	110 - 117	16	Clay kankar	
16.	117 - 123*	4	Fine to Medium sand	Medium
17.	123 - 127	4	Clay kankar	
18.	127 - 130	3	Fine sand	Medium

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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**



**Ground Water Survey Consultancy**

No. 3  
 NISIN  
 NISIN  
 LAT

Logging Details:  
 Log No. 100-300-444  
 Date: 10/10/2008  
 Time: 10:30 AM  
 Location: GATEWAY  
 Project: GATEWAY  
 Client: GATEWAY

Logger: S. K.  
 IGS/MS/22-23

Logger Name: S. K. (m V)  
 DHAPL-2  
 Logger Details By:

GROUND WATER  
 SURVEY  
 CONSULTANCY  
 AGRA, UP, INDIA

