

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

**GEO-PHYSICAL WELL  
ELECTROLOGGING REPORT**

Ref No:-B-2806

Date:- 31-12-2023

**NAME OF SITE**

Gram Panchayat- Mitrauli

BLOCK- Islamnagar

DISTT- Badaun

**NAME OF AGENCY**

M/s PNC-SPML-JV  
Badaun



**GROUND WATER SURVEY CONSULTANCY**

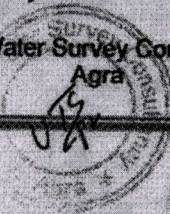
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

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

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

**ISO ; 9001 : 2015**

Ground Water Survey Consultancy





# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- MITRAULI, 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 in the above bore hole using IGIS Well Logger on 31.Dec.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 - 13	8	Dry sand	
3.	13 - 18	5	Clay kankar	
4.	18 - 22	4	Fine sand	
5.	22 - 30	8	Clay kankar	
6.	30 - 55	5	Medium sand	Medium
7.	55 - 58	3	Clay kankar	
8.	58 - 75*	17	Medium sand	Medium
9.	75 - 80	5	Clay kankar	
10.	80 - 95*	15	Fine to Medium sand	Medium
11.	95 - 105	10	Clay kankar	
12.	105 - 118*	13	Medium sand	Medium
13.	118 - 127	9	Clay kankar	
14.	127 - 130	3	Fine sand	Medium

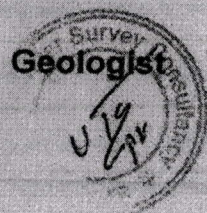
Ground Water Survey Consultancy  
Agra





### 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.



*[Faint, illegible handwritten text]*



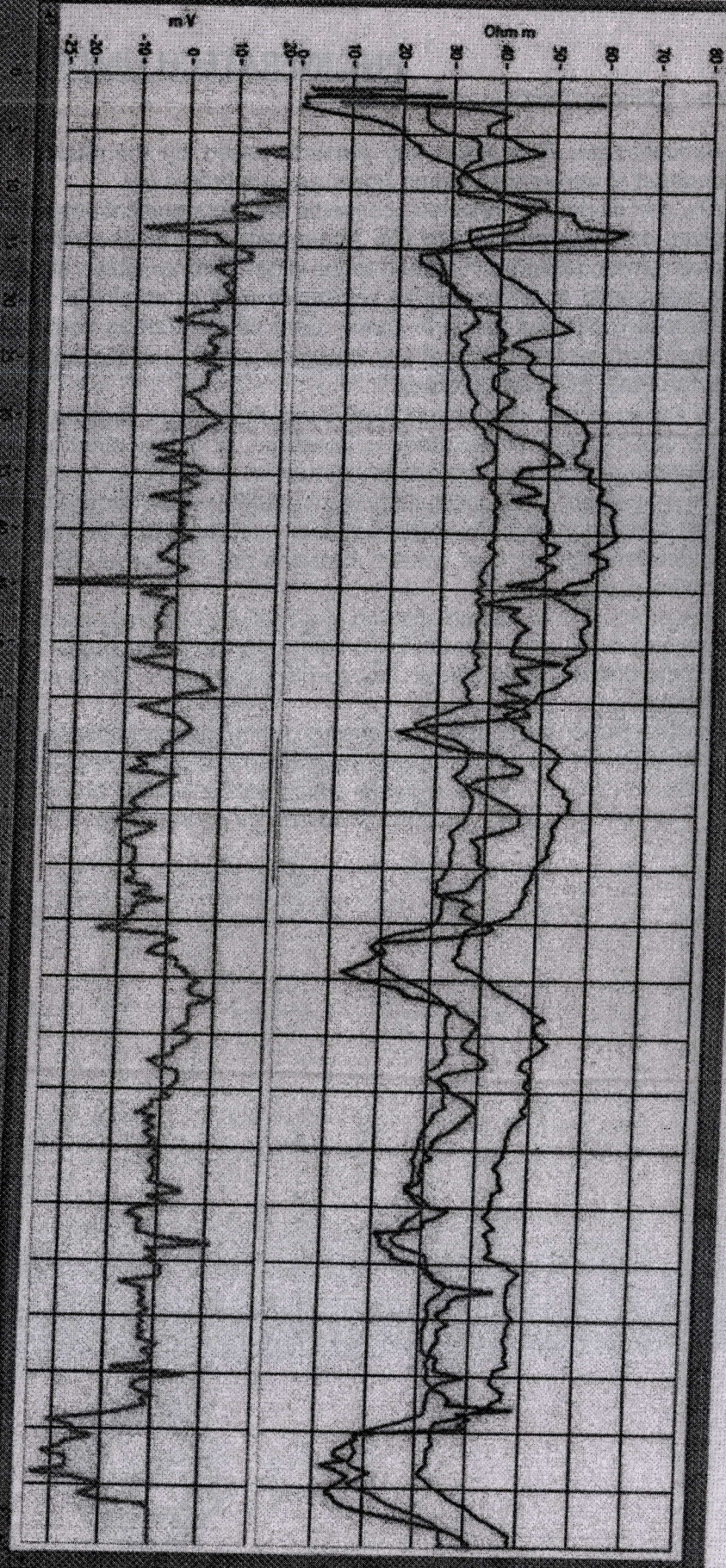
Record  
MIL SWK  
070120  
LAT

Applied Products  
Geophysical Tools  
Geophysical Services  
21100 20th  
S.E. Salem, Oregon 97302  
503-585-1000

Log No. 1116

Log No. 1116  
SP (m V)

STANDARD WATER  
SLOTTED  
CONCRETE  
ANALYSIS



Handwritten notes in blue ink, including the word 'RESISTIVITY' and other illegible characters.