

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

**GEO-PHYSICAL WELL  
ELECTROLOGGING REPORT**

Ref No:-A-403

Date:- 03-03-2023

**NAME OF SITE**

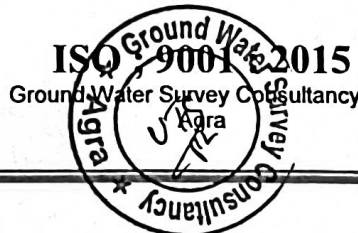
GRAM PANCHAYAT- Pajaiya      BLOCK- Bilaspur      DISTT- Rampur

**NAME OF AGENCY**

M/s PNC-SPML-JV  
Moradabad  
22, CAMAC STREAT, BLOCK-A, 3<sup>rd</sup> FLOOR, KOLKATA-700016



**GROUND WATER SURVEY CONSULTANCY**  
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.  
112 A-Shree Nagar Colony, Firozabad Road, Agra- 282006  
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# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- PAJAIYA, BLOCK- BILASPUR, DISTT- RAMPUR  
UNDER  
JAL JIVAN MISSION

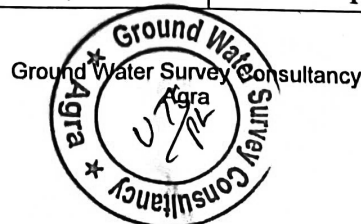
## Introduction :

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, Moradabad.

On the request of M/S PNC-SPML-JV, Moradabad. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 03.Mar.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 - 8	3	Fine sand	
3.	8 - 12	4	Clay kankar	
4.	12 - 18	6	Fine sand	Medium
5.	18 - 22	4	Clay kankar	
6.	22 - 37	15	Medium sand	Medium
7.	37 - 43	6	Clay kankar	
8.	43 - 52	9	Fine to Medium sand	Medium
9.	52 - 56	4	Clay kankar	
10.	56 - 71*	15	Medium sand & kankar	Medium
11.	71 - 75	4	Clay kankar	
12.	75 - 90*	15	Medium sand & kankar	Medium
13.	90 - 94	4	Clay kankar	
14.	94 - 104*	10	Medium sand	Medium
15.	104 - 110	6	Clay kankar	
16.	110 - 118*	8	Medium sand	Medium
17.	118 - 126	8	Clay kankar	
18.	126 - 130	4	Fine sand	Medium



**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.



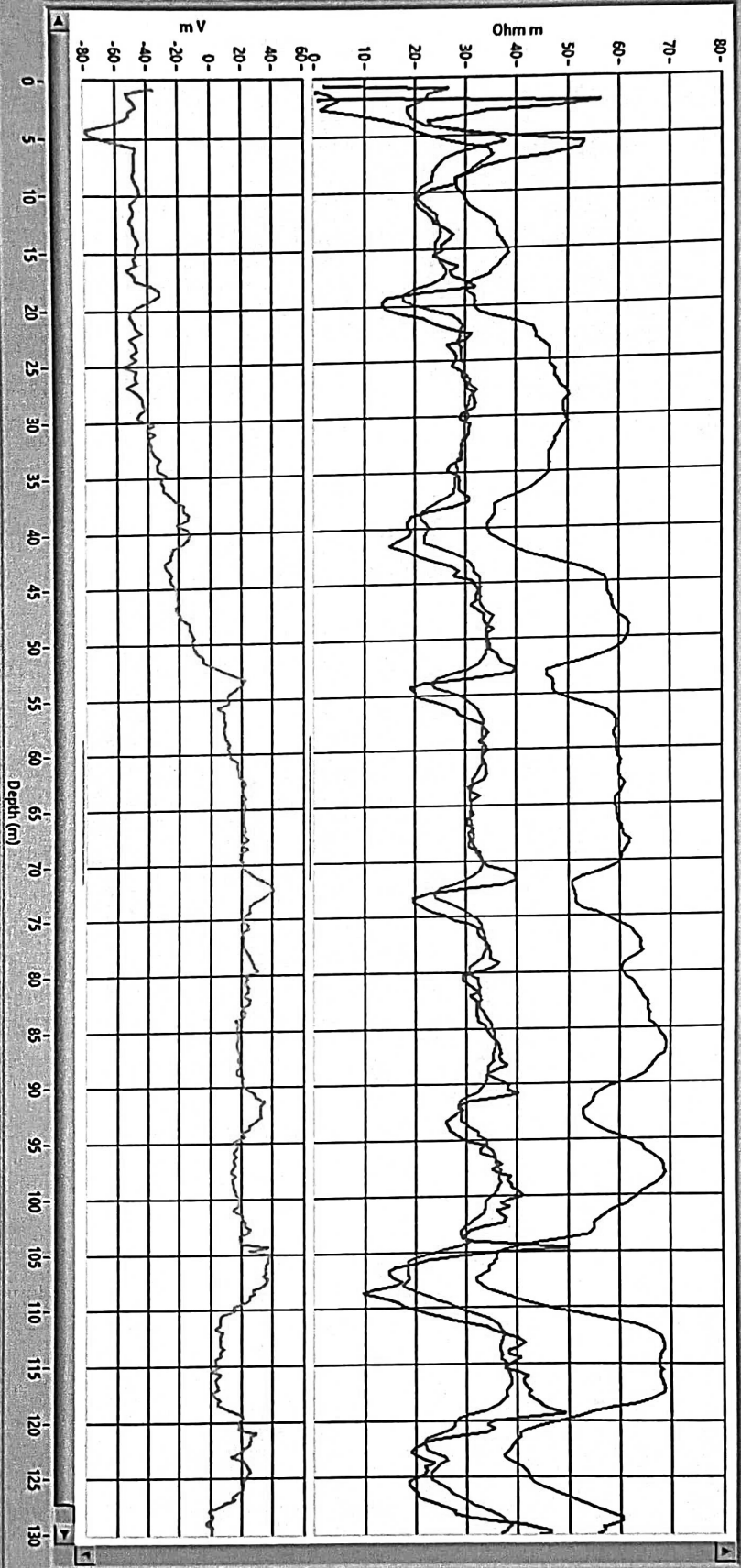
**Ground Water Survey Consultancy**

Rho a  
N16 (SN)  
N64(LN)  
LAT

Logging Details  
G-2 Agri & Eco. Station  
Dist. Amritsar  
UP ICGS/N64  
03 Mar 2013  
12.46  
Urbant Gorta (IS)

Logger's Name:  
IGIS/S/03/21-22

SP (m V)  
Logger Model:  
DMPL-2  
Logger Owned by:  
Ground Water Survey  
Consultancy - Agra  
India



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**GEO-PHYSICAL WELL  
ELECTROLOGGING REPORT**

Ref No:-A- 567

Date:- 29-03-2023

**NAME OF SITE**

GRAM PANCHAYAT- Mawana

BLOCK- Swar

DISTT- Rampur

**NAME OF AGENCY**

M/s PNC-SPML-JV

Moradabad

22, CAMAC STREAT, BLOCK-A, 3<sup>rd</sup> FLOOR, KOLKATA-700016



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