

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

**GEO-PHYSICAL WELL**  
**ELECTROLOGGING REPORT**

Ref No:-A-428

Date:- 13-03-2023

**NAME OF SITE**

GRAM PANCHAYAT- Anwariya Talibabad      BLOCK- Bilaspur      DISTT- Rampur

**NAME OF AGENCY**

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



**GROUND WATER SURVEY CONSULTANCY**  
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# REPORT ON GEOPHYSICAL WELL LOGGING AT

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

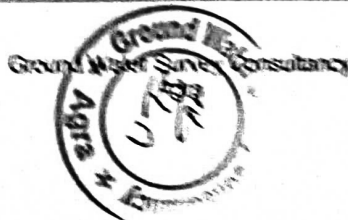
## Introduction :

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 13.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 - 7	2	Clay kankar	
3.	7 - 18	11	Fine to Medium sand	Good
4.	18 - 28	10	Clay kankar	
5.	28 - 33	5	Fine to Medium sand	Good
6.	33 - 50	17	Clay kankar	
7.	50 - 57*	7	Fine to Medium sand	Good
8.	57 - 60	3	Clay kankar	
9.	60 - 65*	5	Fine to Medium sand	Good
10.	65 - 70	5	Clay kankar	
11.	70 - 80*	10	Medium sand	Good
12.	80 - 85	5	Clay kankar	
13.	85 - 99*	14	Medium sand	Good
14.	99 - 103	4	Clay kankar	
15.	103 - 115*	12	Medium sand & kankar	Good
16.	115 - 119	4	Clay kankar	
17.	119 - 122	3	Fine sand	Good
18.	122 - 130	8	Clay kankar	



Conclusions and Recommendations

1. The Lithology closely follows with that of drill cutting state chart.
2. The logs indicate with  $10\% \pm$  accuracy to be aquifer zones for possible development of a well.
3. The Quality of water is expected Good.
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 in the underground conditions are not always amenable to physical interpretations.



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 NI6 (SVC)  
 NS4(LN)  
 LAT

Logging CP  
 Anwaraya Talababad  
 Block Eliaspur Distt  
 Rampur  
 LOGGINGUP  
 13 Mar 2023  
 15:41  
 Utkarsh Gupta (JG)

SP (mV)

