

# GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

## GEO-PHYSICAL WELL ELECTROLOGGING REPORT

Ref No:-A- 290

Date:- 17-04-2023

### NAME OF SITE

GRAM PANCHAYAT- Kemri

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

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

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**ISO 9001: 2015**  
Ground Water Survey Consultancy



# REPORT ON GEOPHYSICAL WELL LOGGING AT

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

## Introduction :

A Deep bore hole was drilled 110 mtrs. depth. and Logged depth 110 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 17.April.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 - 14	9	Sandy clay	
3.	14 - 19	5	Clay kankar	
4.	19 - 23	4	Fine sand	Medium
5.	23 - 50	27	Clay kankar	
6.	50 - 62*	12	Medium sand	Medium
7.	62 - 76	14	Clay kankar	
8.	76 - 82*	6	Medium sand	Medium
9.	82 - 104	22	Clay kankar	
10.	104 - 108*	4	Medium sand	Medium
11.	108 - 110	2	Clay kankar	

**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**

Rho s  
 NI6 (SN)  
 NS4(LN)  
 LAT

Logging Details:  
 Logging Software: E-Log  
 Battery: 0.00 V  
 US LOGGING  
 17 Apr 2023  
 18:31  
 Unnava Ganga JAL

Logger S No:  
 IGIS/S/OA/Z1-22

Logger Model:  
 DMPL-2

Logger Owned by:  
 GROUND WATER  
 SURVEY  
 CONSULTANCY  
 - AGRA, INDIA

