

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

**GEO-PHYSICAL WELL  
ELECTROLOGGING REPORT**

Ref No:-B- 195

Date:- 23-04-2023

**NAME OF SITE**

GRAM PANCHAYAT- Ravana Nagla Vishanpuri  
DISTT- Rampur

BLOCK- Bilaspur

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



# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- RAVANA NAGLA VISHANPURI, BLOCK- BILASPUR,  
DISTT- RAMPUR  
UNDER  
JAL JIVAN MISSION

## Introduction :

A Deep bore hole was drilled 120 mtrs. depth. and Logged depth 120 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 23.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 - 10	5	Clay kankar	
3.	10 - 14	4	Fine sand	
4.	14 - 20	6	Clay kankar	
5.	20 - 30	10	Sand & kankar	Good
6.	30 - 35	5	Clay kankar	
7.	35 - 41	6	Fine to Medium sand	Good
8.	41 - 51	10	Clay kankar	
9.	51 - 57	6	Fine to Medium sand	Good
10.	57 - 67	10	Clay kankar	
11.	67 - 83*	16	Medium sand & kankar	Good
12.	83 - 86	3	Clay kankar	
13.	86 - 91	5	Sand & kankar	Good
14.	91 - 108	17	Clay kankar	
15.	108 - 111	3	Fine sand	Good
16.	111 - 120	9	Clay kankar	

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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 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 as the underground conditions are not always amenable to physical interpretations.

**Geophysicist**



**Ground Water Survey Consultancy**

Pho a  
N 16(S)Q  
N 64 (N)  
LAT

Location :  
Logging VI Parasna  
Nagla Vidhanpuri  
Bhed - Balaspur  
Distt. Rampur  
Log No. :  
LOGGHI/04P  
Date :  
23 Apr 2023  
Time :  
17.35  
Observer :  
Uttarsh Gupta (K5)  
Well Depth :

SP

