

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

**GEO-PHYSICAL WELL  
ELECTROLOGGING REPORT**

Ref No:-B- 670

Date:- 28-05-2023

**NAME OF SITE**

GRAM PANCHAYAT- Saktwa

BLOCK- Bilaspur

DISTT- Rampur

**NAME OF AGENCY**

M/s PNC-SPML-JV

Rampur

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.

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**ISO : 9001 : 2015**

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# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- SAKTWA, 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, Rampur.

On the request of M/S PNC-SPML-JV, Rampur.. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 28.May.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 - 12	5	Fine sand	
4.	12 - 25	13	Clay kankar	
5.	25 - 30	5	Sand & kankar	Good
6.	30 - 35	5	Clay kankar	
7.	35 - 42	7	Fine to Medium sand	Good
8.	42 - 55	13	Clay kankar	
9.	55 - 62*	7	Medium sand	Good
10.	62 - 80	18	Clay kankar	
11.	80 - 85*	5	Fine to Medium sand	Good
12.	85 - 90	5	Clay kankar	
13.	90 - 97	7	Sand & kankar	
14.	97 - 101	4	Clay kankar	
15.	101 - 107*	6	Fine to Medium sand	Good
16.	107 - 130	23	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.



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Rno a  
 N 16S0  
 N M 0N  
 LAT

LOCATION:  
 CITY OF AGRA  
 DISTRICT OF AGRA  
 STATE OF U.P.  
 INDIA  
 Log No.:  
 DOWN LOGGING  
 Date:  
 23 May 2023  
 Time:  
 22:30  
 Observer:  
 AGRA SURVEY  
 VIVE DEBBI

Logger S No:  
 IGIS/5/02/22-23

E  
 SP

Logger Model:  
 DMPL-2

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

