

GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL ELECTROLOGGING REPORT

Ref No:-A-141

Date:- 07-02-2023

NAME OF SITE

GRAM PANCHAYAT- Panvadiya

BLOCK- Bilaspur

DISTT- Rampur

NAME OF AGENCY

M/s PNC-SPML-JV
Moradabad

22, CAMAC STREET, BLOCK-A, 3rd FLOOR, KOLKATA-700016



GROUND WATER SURVEY CONSULTANCY

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

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REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT-PANVADIYA, 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 07.Feb.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 - 17	12	Clay kankar	
3.	17 - 22	5	Fine sand	
4.	22 - 67	45	Clay kankar	
5.	67 - 73*	6	Fine to Medium sand	Good
6.	73 - 82	9	Clay kankar	
7.	82 - 88*	6	Medium sand	Good
8.	88 - 90	2	Clay kankar	
9.	90 - 96*	6	Medium sand	Good
10.	96 - 110	14	Clay kankar	
11.	110 - 117	7	Kankar	
12.	117 - 124	7	Clay kankar	
13.	124 - 130*	6	Medium sand	Good

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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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- NI6(SN)
- NS4(LN)
- LAT

legging vi Pamadaya
block bilaspur distt
rampur
LOGGINGUP
07 Feb 2023
22.19
utkarsh gupta
larendi

SP (mV)

