

GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL ELECTOLOGGING REPORT

Ref No:-N-1323

Date:- 26-02-2023

NAME OF SITE

GRAM PANCHAYAT- Nawabganj

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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ISO 9001:2015
Ground Water Survey Consultancy



REPORT ON GEOPHYSICAL WELL LOGGING AT

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

Introduction :

A Deep bore hole was drilled 135 mtrs. depth. and Logged depth 134 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 26.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 - 25	20	Clay kankar	
3.	25 - 32	7	Fine to Medium sand	
4.	32 - 39	7	Clay kankar	
5.	39 - 44	5	Fine to Medium sand	Med to Good
6.	44 - 55	11	Clay kankar	
7.	55 - 64*	9	Medium sand	Med to Good
8.	64 - 78	14	Clay kankar	
9.	78 - 85*	7	Medium sand	Med to Good
10.	85 - 105	20	Clay kankar	
11.	105 - 112*	7	Medium sand	Med to Good
12.	112 - 134	22	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 to 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

Box 2
 N162N0
 N64QW
 LAT

Location:
 Logging of Mangrove
 Ecological Survey
 Station
 No. 10
 Station
 No. 10
 Date
 25 Feb 2013
 Time
 12:51
 Operator
 Sagar Saha (AG)
 Site Code

SP

