# 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 STREAT, BLOCK-A, 3rd FLOOR, KOLKATA-700016



# **GROUND WATER SURVEY CONSULTANCY**

Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations. 112 A-Shree Nagar Colony, Firozabad Road, Agra- 282006 (M): 9412260823, 9794625420, 9761163000, Email: gwsc\_agra@yahoo.com



# REPORT ON GEOPHYSICAL WELL LOGGING

# 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	Sign of the second
11.	105 - 112*	7	Medium sand	Med to Good
12.	112 - 134	22	Clay kankar	



#### Conclusions and Recommendations :-

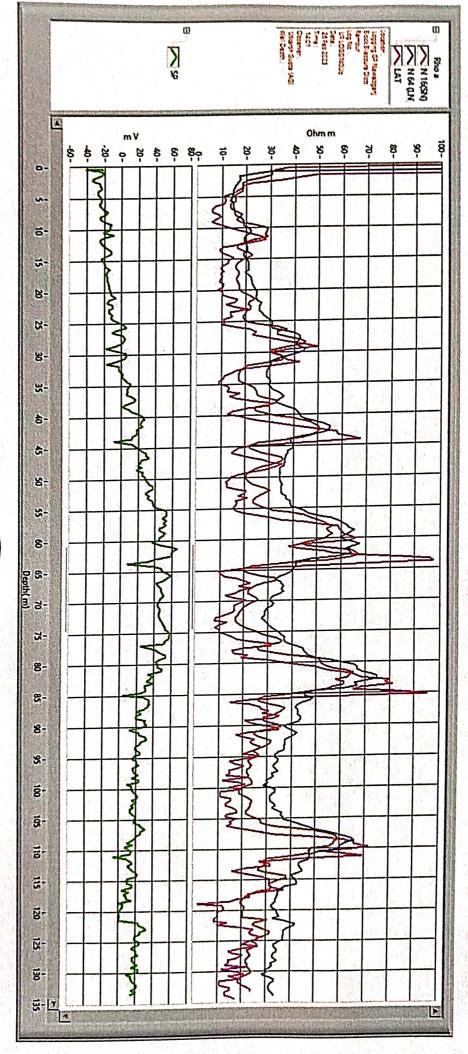
- 1. The Lithology broadly tallies with that of drill cutting strata chart.
- 2. The zones marked with asterisk (\*) appear to be aquifer zones for possible development of tubewell.
- The Quality of water is expected Medium to Good.
- It is recommended to have a chemical and bacteriological analysis 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

**Ground Water Survey Consultancy** 

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