GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL ELECTOLOGGING 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 STREAT, 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

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	Thickness(m)	Lithology	Expected
	range(m)	×	,	Water Quality
1.	0 - 5	5	Surface soil	, and the second
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	

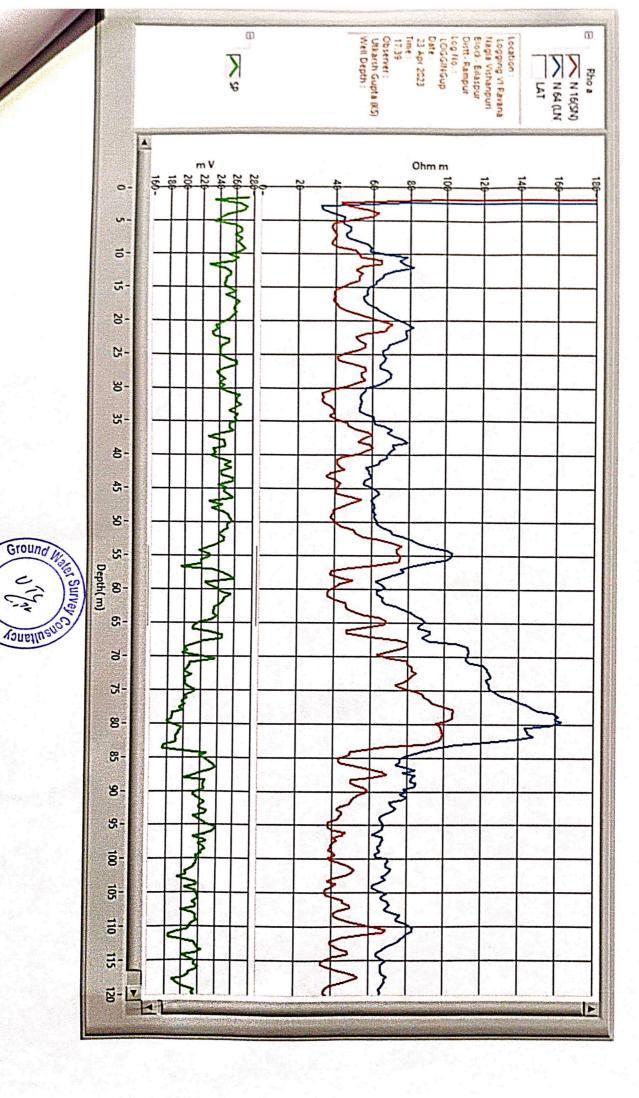
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Conclusions and Recommendations :-

- 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.
- 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

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Agra