GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL ELECTOLOGGING REPORT

Ref No:-B-2340

Date: - 06-11-2023

NAME OF SITE

GRAM PANCHAYAT- Kola

BLOCK-Jalalabad

DISTT- Shahjahanpur

NAME OF AGENCY

M/s NCC Ltd. Shahjahanpur



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REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- KOLA, BLOCK- JALALABAD, DISTT- SHAHJAHANPUR UNDER JAL JIVAN MISSION

Introduction:

A Deep bore hole was drilled 130 mtrs. depth. and Logged depth 125 mtrs. at above site. Was drilled by M/S NCC Ltd., Shahjahanpur.

On the request of M/S NCC Ltd., Shahjahanpur. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 06.Nov.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 Water
- 1		range(m)			Quality
	1.	0 - 5	5	Surface soil	
	2.	5 - 8	3	Clay kankar	
	3.	8 - 14	6	Fine sand	Good
	4.	14 - 31	17	Clay kankar	
	5.	31 - 44	13	Medium sand	Good
	6.	44 - 57	13	Clay kankar	
	7.	57 - 65*	8	Medium sand	Good
	8.	65 - 71	6	Clay kankar	
	9.	71 - 77*	6	Fine to Medium sand	Medium
H	10.	77 - 85	8	Clay kankar	
-	11.	85 - 93*	8	Fine to Med sand & kankar	Medium
	12.	93 - 100	7	Clay kankar	
	13.	100 - 103	3	Fine sand	Medium
	14.	103 - 130	27	Clay kankar	

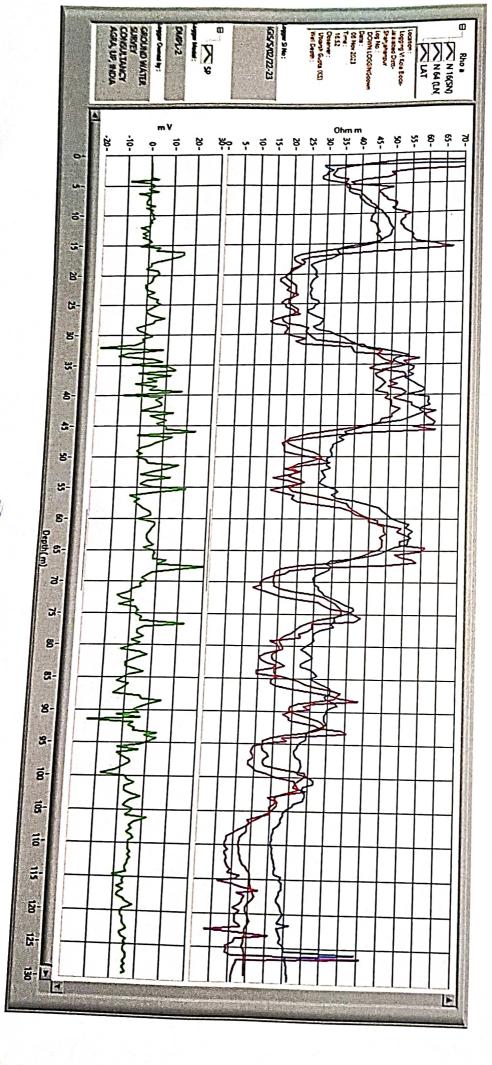
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Conclusions and Recommendations :-

- 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 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

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