

GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL ELECTROLOGGING REPORT

Ref No:- 207

Date:- 09-05-2022

NAME OF SITE

Gram Panchayat- Rath BLOCK- Khutar DISTT- Shahjahanpur

NAME OF AGENCY

M/s NCC Ltd.
Shahjahanpur



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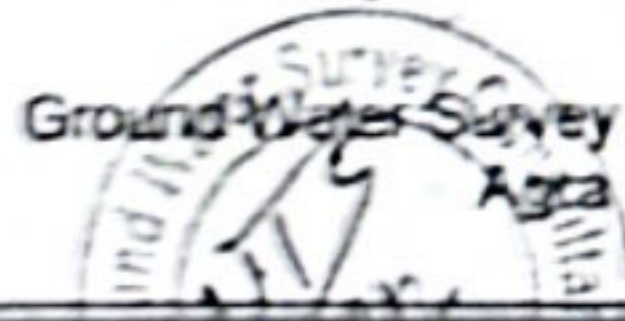
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

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ISO ; 9001 : 2015

Ground Water Survey Consultancy



REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- RATH, BLOCK- KHUTAR, DISTT- SHAHJAHANPUR UNDER JAL JIVAN MISSION

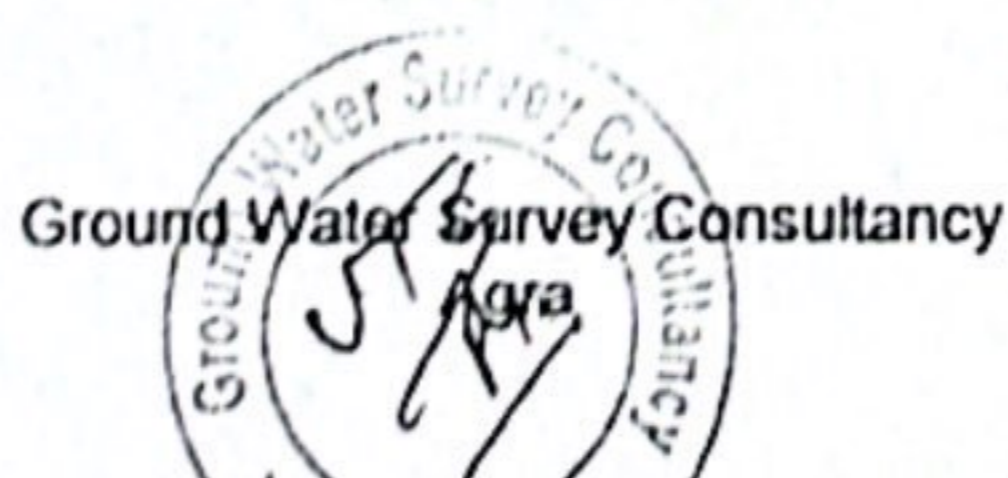
Introduction :

A Deep bore hole was drilled 141 mtrs. depth. and Logged depth 140 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 09.May.2022.

Logging Para meters - Self potential, short normal (N-16), Long Normal (N-64), Lateral. Details of major equifer 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 - 30	25	Clay kankar	
3.	30 - 42	12	Fine to Medium sand	Good
4.	42 - 50	8	Kankar	
5.	50 - 71*	21	Medium sand	Good
6.	71 - 76	5	Clay kankar	
7.	76 - 88*	12	Medium sand	Good
8.	88 - 94	6	Kankar	
9.	94 - 110*	6	Medium sand	Good
10.	110 - 115	5	Clay kankar	
11.	115 - 120*	5	Medium sand	Good
12.	120 - 124	4	Clay kankar	
13.	124 - 130*	6	Medium sand	Good
14.	120 - 140	20	Clay kankar	



Conclusions and Recommendations

1. The Lithology broadly tallies with that of drill cutting logs 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. Expected discharge is 1000 to 1100 L.P.M.
5. 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.
6. 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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