

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL
ELECTROLOGGING REPORT**

Ref No:- 503

Date:- 09-07-2022

NAME OF SITE

Gram Panchayat- Rajepur Raipur

BLOCK- Mirzapur

DISTT- Shahjahanpur

NAME OF AGENCY

M/s NCC Ltd.
Shahjahanpur

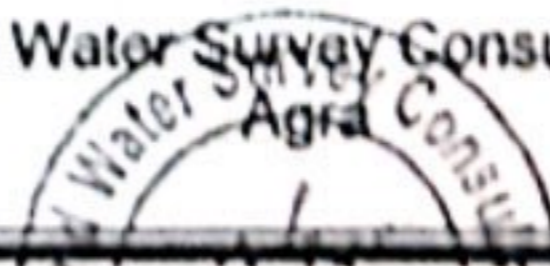


GROUND WATER SURVEY CONSULTANCY

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ISO ; 9001 : 2015

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REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- RAJEPUR RAIPUR, BLOCK- MIRZAPUR, DISTT- SHAHJAHANPUR
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 135 mtrs. depth. and Logged depth 130 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.July.2022.

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 - 8	3	Dry Sand	
3.	8 - 25	17	Clay kankar	
4.	25 - 45	20	Sand & Kankar	
5.	45 - 50	5	Clay kankar	
6.	50 - 76*	26	Medium sand	Good
7.	76 - 85	9	Clay kankar	
8.	85 - 90	5	Sandy Clay	
9.	90 - 115	25	Clay kankar	
10.	115 - 130*	15	Fine to medium sand	Good

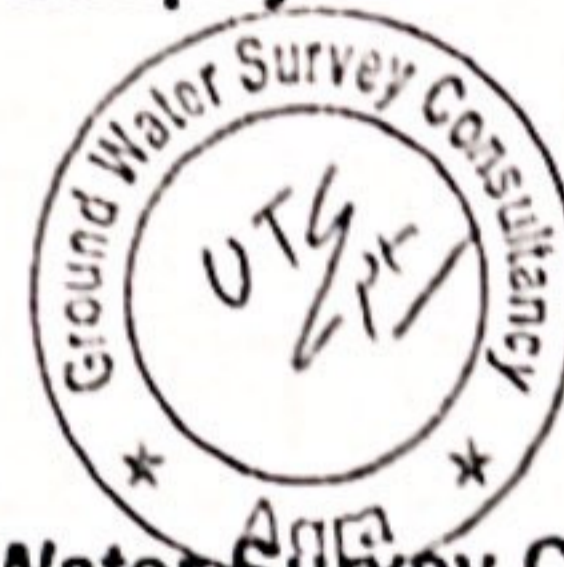
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Conclusions and Recommendations :-

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 Good.
4. Expected discharge is 900 to 1000 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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No. 1
 N16 (SN)
 N42 (SN)
 LAT

Agri. v. Agri. Survey
 Dept. of Geology
 U.S. Geological Survey
 1958

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