

GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL ELECTROLOGGING REPORT

Ref No:-B- 799

Date:- 05-06-2023

NAME OF SITE

GRAM PANCHAYAT- Aurangabad BLOCK- Mirzapur DISTT- Shahjahanpur

NAME OF AGENCY

M/s NCC Ltd.
Shahjahanpur



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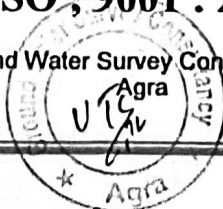
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

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ISO ; 9001 : 2015

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REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- AURANGABAD, BLOCK- MIRZAPUR,
DISTT- SHAHJAHANPUR
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 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 05.June.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 - 15	10	Clay kankar	
3.	15 - 24	9	Fine sand	Medium
4.	24 - 30	6	Clay kankar	
5.	30 - 46	16	Fine to Medium sand	Medium
6.	46 - 60	14	Clay kankar	
7.	60 - 70*	10	Fine to Medium sand	Medium
8.	70 - 78	8	Clay kankar	
9.	78 - 90	12	Sand & kankar	Medium
10.	90 - 102	12	Clay kankar	
11.	102 - 115*	13	Fine to Medium sand	Medium
12.	115 - 120	5	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.
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.



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Rho a
 N16 (SN)
 N64(LN)
 LAT
Logging Details
 V. K. Agarwal & Sons
 11, Canal Drive
 2nd Floor
 15, Lodi Road
 New Delhi
 110003
 India
 Phone: 011-26101111
 Fax: 011-26101112
 Email: info@vksurvey.com
 Website: www.vksurvey.com

Logger: S. K. Mehta
 IGS/S/04/21-22
 SP (m V)
 Logger Model: DMPL-2
 Logger Owned by: GROUND WATER SURVEY CONSULTANCY - AGRA, INDIA

