

GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL ELECTROLOGGING REPORT

Ref No:-B- 577

Date:- 22-05-2023

NAME OF SITE

GRAM PANCHAYAT- Darapur Chatiya
DISTT- Shahjahanpur

BLOCK- Bhawalkhera

NAME OF AGENCY

M/s NCC Ltd.
Shahjahanpur



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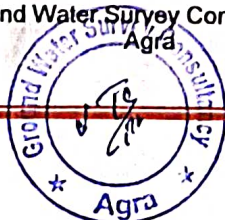
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

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ISO ; 9001 : 2015

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REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- DARAPUR CHATIYA, BLOCK- BHAWALKHERA,
DISTT- SHAHJAHANPUR
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 120 mtrs. depth. and Logged depth 116 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 22.May.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 - 40	25	Fine to Medium sand	Good
4.	40 - 44	4	Clay kankar	
5.	44 - 50	6	Fine to Medium sand	Good
6.	50 - 76	26	Clay kankar	
7.	76 - 93*	17	Fine to Medium sand	Good
8.	93 - 98	5	Clay kankar	
9.	98 - 102	4	Fine sand	Good
10.	102 - 106	4	Clay kankar	
11.	106 - 115*	9	Fine to Medium sand	Good
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 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.



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B Rhod
 N16 (SN)
 NS4UN
 LAT

Logging Details
 02/07/2011
 02/07/2011
 02/07/2011
 02/07/2011
 02/07/2011
 02/07/2011
 02/07/2011
 02/07/2011

Logger's No.
 IGSS/04/21-22

B
 SP (mV)

Logger Model
 DMPL-2

Logger Connected by
 GROUND WATER
 SURVEY
 CONSULTANCY
 - AGRA INDIA

