

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL
ELECTOLOGGING REPORT**

Ref No:- A- 25

Date:- 01-04-2023

NAME OF SITE

**GRAM PANCHAYAT- Nagariya Taluque Gopalpur
DISTT- Shahjahanpur**

BLOCK- Dadrol

NAME OF AGENCY

**M/s NCC Ltd.
Shahjahanpur**



GROUND WATER SURVEY CONSULTANCY

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- NAGARIYA TALUQUE GOPALPUR, BLOCK- DADROL,
DISTT- SHAHJAHANPUR
UNDER
JAL JIVAN MISSION

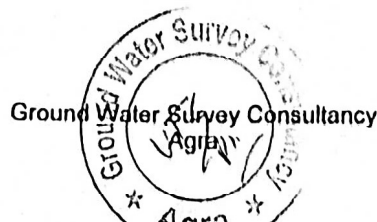
Introduction :

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 01.April.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 - 10	5	Clay	
3.	10 - 18	8	Medium sand	Medium
4.	18 - 20	2	Clay kankar	
5.	20 - 45	25	Medium sand	Medium
6.	45 - 50	5	Clay kankar	
7.	50 - 70*	20	Medium sand	Medium
8.	70 - 80	10	Clay kankar	
9.	80 - 105*	25	Medium sand	Medium
10.	105 - 110	5	Kankar	
11.	110 - 120*	10	Medium sand	Medium



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.

Geophysicist



Ground Water Survey Consultancy

Rho a
N 16(SN)
N 64(LN)
LAT

DATE: 21/04/2023
TIME: 12:54
PROJECT: GROUND WATER SURVEY
SITE: ...
INSTRUMENT: ...
OPERATOR: ...

Page No.:
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AGRA INDIA

