

GROUND WATER SURVEY CONSULTANCY  
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL  
ELECTROLOGGING REPORT

Ref No:- 594

Date:- 08-03-2022

NAME OF SITE

GRAM PANCHAYAT- Nadaiya Rampur BLOCK- Jaitipur  
DISTT- Shahjanhapur

NAME OF AGENCY

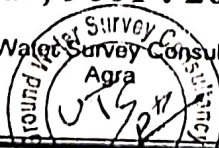
M/s NCC Ltd.  
Shahjanhapur



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- NADAIYA RAMPUR, BLOCK- JAIPUR  
DISTT- SHAHJANHAPUR  
UNDER  
JAL JIVAN MISSION

## Introduction :

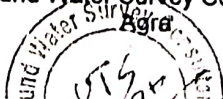
A Deep bore hole was drilled 140 mtrs. depth. and Logged depth 140 mtrs. at above site. Was drilled by M/S NCC Ltd., Shahajanhapur.

On the request of M/S NCC Ltd., Shahajanhapur. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 08.Mar.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.	Defth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 28	23	Clay kankar	
3.	28 - 40	12	Medium sand	Good
4.	40 - 55	15	Clay kankar	
5.	55 - 70*	15	Medium sand	Good
6.	70 - 80	10	Clay kankar	
7.	80 - 95*	15	Medium sand & Kankar	Good
8.	95 - 100	5	Clay kankar	
9.	100 - 113*	13	Fine to Medium sand	Good
10.	113 - 116	3	Clay kankar	
11.	116 - 130*	14	Medium sand & Kankar	Good
12.	130 - 140	10	Clay kankar	

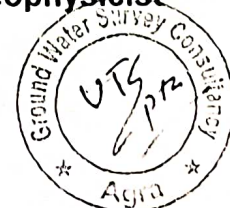
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**Conclusions and Recommendations :-**

1. The Lithology broadly tallies with that of drill cutting starta 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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