

**GROUND WATER SURVEY CONSULTANCY**  
**GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS**

**GEO-PHYSICAL WELL  
ELECTOLOGGING REPORT**

Ref No:-B- 1621

Date:- 26-08-2023

**NAME OF SITE**

GRAM PANCHAYAT- Madhpur Pauki                      BLOCK- Khudaganj Katra  
DISTT- Shahjahanpur

**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- MADHPUR PAUKI, BLOCK- KHUDAGANJ KATRA,  
DISTT- SHAHJAHANPUR  
UNDER  
JAL JIVAN MISSION

## Introduction :

A Deep bore hole was drilled 130 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 26.Aug.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	Fine to Medium sand	
3.	15 - 20	5	Clay kankar	
4.	20 - 25	5	Fine sand	
5.	25 - 35	10	Clay kankar	
6.	35 - 46	11	Medium sand	Med to Good
7.	46 - 50	4	Clay kankar	
8.	50 - 55*	5	Medium sand	Med to Good
9.	55 - 60	5	Clay kankar	
10.	60 - 72*	12	Medium sand	Med to Good
11.	72 - 76	4	Clay kankar	
12.	76 - 90*	14	Medium sand	Med to Good
13.	90 - 100	10	Clay kankar	
14.	100 - 110*	10	Fine to Medium sand	Med to Good
15.	110 - 120	10	Clay kankar	
16.	120 - 130*	10	Medium sand	Med to 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 Medium to 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.

**Geophysicist**



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

Location:  
Boggy V. mardpur  
State: Odisha  
Dist: Ganjam  
UT: Orissa  
Date: 28 Aug 2013  
Time: 11:27  
Operator:  
User:  
Well Depth:

egret S No:  
IGIS/S01/10-11

egret Model:  
SP

DMP-2

egret Owned by:  
GROUND WATER  
SURVEY  
CONSULTANCY  
- AGRA INDIA

