

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

**GEO-PHYSICAL WELL**  
**ELECTROLOGGING REPORT**

Ref No:-A-1105

Date:- 17-07-2023

**NAME OF SITE**

**GRAM PANCHAYAT- Majhagai**

**BLOCK- Banda**

**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- MAJHAGAI, BLOCK- BANDA, DISTT- SHAHJAHANPUR UNDER JAL JIVAN MISSION

### Introduction :

A Deep bore hole was drilled 130 mtrs. depth. and Logged depth 127 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 17.July.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	Fine sand	
3.	10 - 15	5	Clay	
4.	15 - 28	13	Medium sand	Med to Good
5.	28 - 31	3	Clay kankar	
6.	31 - 45	14	Medium sand	Med to Good
7.	45 - 55	10	Clay kankar	
8.	55 - 58*	3	Medium sand	Med to Good
9.	58 - 63	5	Clay kankar	
10.	63 - 78*	15	Medium sand	Med to Good
11.	78 - 85	7	Clay kankar	
12.	85 - 100*	15	Medium sand	Med to Good
13.	100 - 105	5	Clay kankar	
14.	105 - 120*	15	Medium sand	Med to Good
15.	120 - 127	7	Clay kankar	

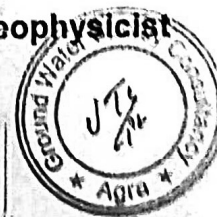
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**Conclusions and Recommendations :-**

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 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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Photo  
 N 16 (SN)  
 N 64 (LN)  
 LAT

Location:  
 Survey of Mangrove  
 Basin, Savan District,  
 Davao Oriental  
 Log No.  
 UPLD/00000000  
 Date: 17 Jul 2013  
 Time: 13:50  
 Operator:  
 Umberto Garcia JR.  
 Title: Chemist

Logger's No.:  
 KGS/S/02/22-23

Logger Model:  
 SP

Logger Model:  
 DM91-2

Logger Owned by:  
 GROUND WATER  
 SURVEY  
 CONSULTANCY  
 AGRA UP, INDIA

