

GROUND WATER SURVEY CONSULTANCY  
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL  
ELECTROLOGGING REPORT

Ref No:- 188

Date:- 04-05-2022

NAME OF SITE

Gram Panchayat- Nawada J Palia

BLOCK- 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**

Ground Water Survey Consultancy



# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- NAWADA J PALIA, BLOCK- KATRA  
DISTT- SHAHJAHANPUR  
UNDER  
JAL JIVAN MISSION

## Introduction :

A Deep bore hole was drilled 128 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 04.May.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.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 25	20	Sandy clay	
3.	25 - 28	3	Fine sand	
4.	28 - 35	7	Clay kankar	
5.	35 - 45	10	Medium sand	Good
6.	45 - 50	5	Clay kankar	
7.	50 - 58*	8	Medium sand	Good
8.	58 - 60	2	Clay kankar	
9.	60 - 70*	10	Fine to Medium sand	Good
10.	70 - 75	5	Clay kankar	
11.	75 - 95*	20	Medium sand	Good
12.	95 - 127	32	Clay kankar	

**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 900 to 1000 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**



**Ground Water Survey Consultancy**



Rho a  
 N16 (SN)  
 NS4(LN)  
 LAT  
 Logging v1 nawada j  
 paila bloc. Jaita dist  
 Sahjanapur  
 LOGGIRGUP  
 02 May 2022  
 19:03  
 uttish gupta

SP (m V)

