

GROUND WATER SURVEY CONSULTANCY  
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL  
ELECTOLOGGING REPORT

Ref No:- 187

Date:- 04-05-2022

NAME OF SITE

Gram Panchayat- Malaria Mirzapur      BLOCK- Jaitpur      DISTT- Shahjahanpur

NAME OF AGENCY

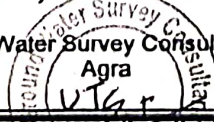
M/s NCC Ltd.  
Shahjahanpur



GROUND WATER SURVEY CONSULTANCY  
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**ISO ; 9001 : 2015**

Ground Water Survey Consultancy



# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- MALARIA MIRZAPUR, BLOCK- KATRA  
DISTT- SHAHJAHANPUR  
UNDER  
JAL JIVAN MISSION

## Introduction :

A Deep bore hole was drilled 140 mtrs. depth. and Logged depth 135 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 - 20	15	Medium sand	
3.	20 - 25	5	Clay kankar	
4.	25 - 36	11	Medium sand	Good
5.	36 - 42	6	Clay kankar	
6.	42 - 51*	9	Medium sand	Good
7.	51 - 55	4	Clay kankar	
8.	55 - 74*	19	Medium sand	Good
9.	74 - 80	6	Clay kankar	
10.	80 - 95*	15	Medium sand	Good
11.	95 - 107	12	Clay kankar	
12.	107 - 118*	11	Medium sand	Good
13.	118 - 135	17	Clay kankar	

585 381 595  
220 648  
506

N-80  
N-543  
N-1444  
A-943

**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**



**Ground Water Survey Consultancy**

Rho 2  
 N16 (SN)  
 NS4(LN)  
 LAT

Logging di lokasi  
 muncapuri blok:  
 ahajhampur  
 OG Giligup  
 24 Feb 2022  
 15:10  
 ulkarish

SP (mV)

