

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

**GEO-PHYSICAL WELL  
ELECTOLOGGING REPORT**

Ref No:-B- 1029

Date:- 20-06-2023

**NAME OF SITE**

● GRAM PANCHAYAT- Gunara      BLOCK- Jalalabad      DISTT- Shahjahanpur

**NAME OF AGENCY**

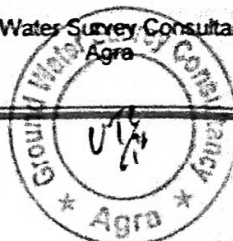
M/s NCC Ltd.  
Shahjahanpur



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

Ground Water Survey Consultancy  
Agra



# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- GUNARA, BLOCK- JALALABAD,  
DISTT- SHAHJAHANPUR  
UNDER  
JAL JIVAN MISSION

## Introduction :

A Deep bore hole was drilled 140 mtrs. depth. and Logged depth 136 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 20.June.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 - 28	23	Clay kankar	
3.	28 - 35	7	Fine sand	Medium
4.	35 - 40	5	Clay kankar	
5.	40 - 60*	20	Medium sand	Medium
6.	60 - 67	7	Kankar	
7.	67 - 75*	8	Medium sand	Medium
8.	75 - 85	10	Clay kankar	
9.	85 - 96*	11	Fine to Medium sand	Medium
10.	96 - 117	21	Clay kankar	
11.	117 - 123*	6	Fine to Medium sand	Medium
12.	123 - 136	13	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.
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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Borehole No. 1  
 N/A OR  
 N/A OR  
 N/A OR  
 LAT

Logging Details  
 Log No. 100  
 Date 10/10/11  
 Location  
 Project  
 Client

Date 10/10/11  
 Log No. 100

Log No. 100  
 Date 10/10/11

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