

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

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

Ref No:- 557

Date:- 24-07-2022

**NAME OF SITE**

Gram Panchayat- Maloun

BLOCK- Kalan

DISTT- Shahjahanpur

**NAME OF AGENCY**

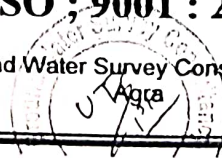
M/s NCC Ltd.  
Shahjahanpur



**GROUND WATER SURVEY CONSULTANCY**  
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.  
112 A-Shree Nagar Colony, Firozabad Road, Agra- 282006  
(M) : 9412260823, 9794625420, 9761163000, Email : gwsc\_agra@yahoo.com

**ISO ; 9001 : 2015**

Ground Water Survey Consultancy



# REPORT ON GEOPHYSICAL WELL LOGGING AT

## GRAM PANCHAYAT- MALOUN, BLOCK- KALAN DISTT- SHAHJAHANPUR UNDER JAL JIVAN MISSION

### Introduction :

A Deep bore hole was drilled 130 mtrs. depth. and Logged depth 115 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 24.July.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 - 7	3	Dry Sand	
3.	7 - 20	7	Clay	
4.	20 - 23	3	Sandy Clay	
5.	23 - 32	9	Fine to Medium Sand	Medium
6.	32 - 45	13	Clay Kankar	
7.	45 - 65*	20	Medium Sand to Kankar	Medium
8.	65 - 77	12	Clay Kankar	
9.	77 - 85*	8	Medium Sand	Medium
10.	85 - 90	5	Clay Kankar	
11.	90 - 96*	6	Medium Sand	Medium
12.	96 - 100	4	Clay Kankar	
13.	100 - 110*	10	Sand to Kankar	Medium
14.	110 - 115	5	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 Medium.
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**

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- ▬ N16 (SN)
- ▬ N62(LIN)
- ▬ LAT

LOGGING & MEASUREMENT  
 UNIT OF THE  
 NATIONAL  
 GEOPHYSICAL  
 LABORATORY  
 NEW DELHI  
 INDIA

SP (mV)

