

GROUND WATER SURVEY CONSULTANCY  
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL  
ELECTROLOGGING REPORT

Ref No:- 1238

Date:- 20-11-2022

NAME OF SITE

Gram Panchayat- Harsipur

BLOCK- Mirzapur

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  
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**ISO ; 9001 : 2015**

Ground Water Survey Consultancy

Agra

# REPORT ON GEOPHYSICAL WELL LOGGING AT

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

## Introduction :

A Deep bore hole was drilled 140 mtrs. depth. and Logged depth 140 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.Nov.2022.

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 - 9	4	Clay	
3.	9 - 20	11	Fine sand	
4.	20 - 58	38	Clay kankar	
5.	58 - 72*	14	Medium sand	Good
6.	72 - 105	33	Clay kankar	
7.	105 - 117*	12	Medium sand	Good
8.	117 - 140	23	Clay kankar	

**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 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.

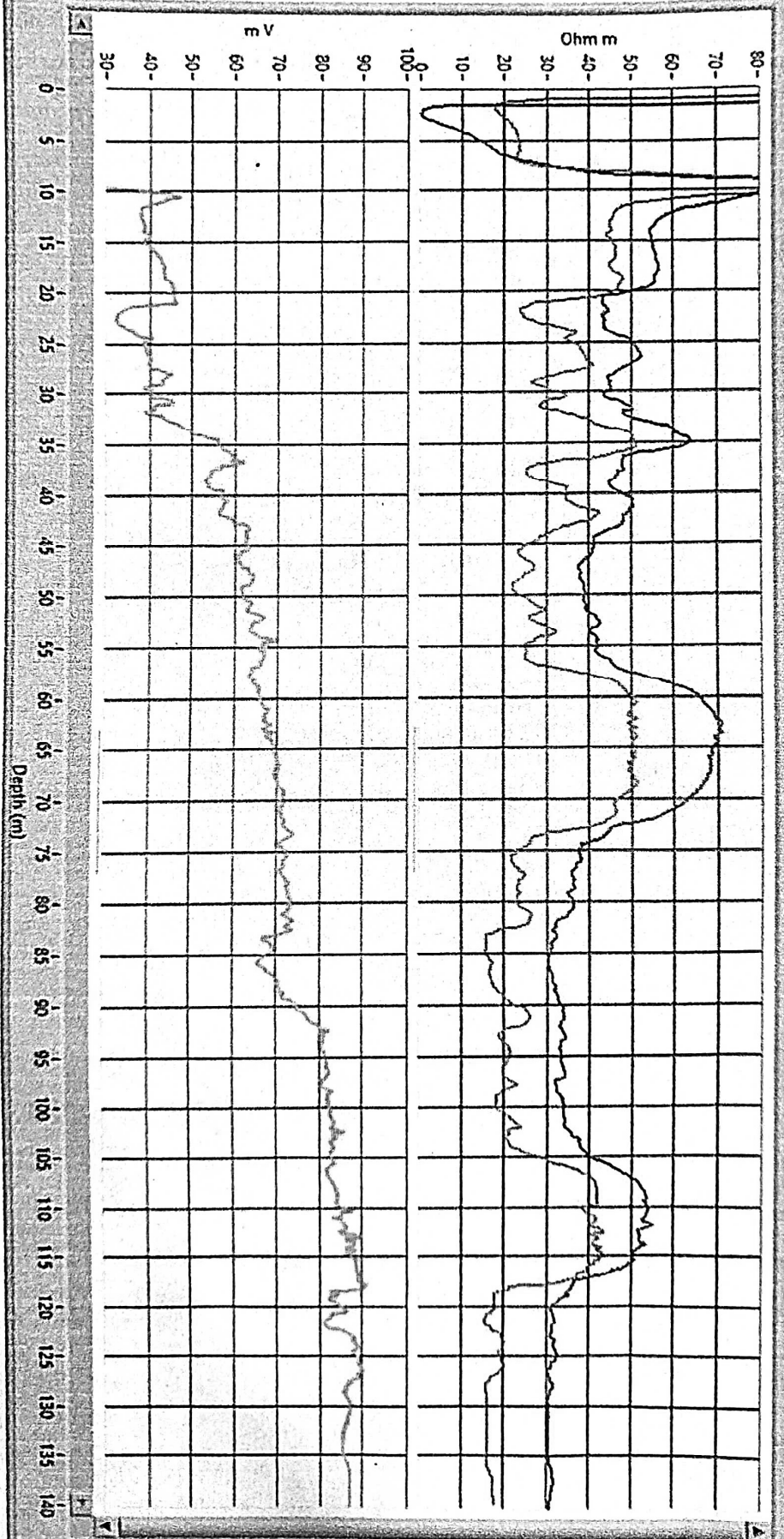
**Geophysicist**



**Ground Water Survey Consultancy**

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GROUND WATER SURVEY CONSULTANCY  
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL  
ELECTOLOGGING REPORT

Ref No:- 1271

Date:- 27-11-2022

NAME OF SITE

Gram Panchayat- Kapoor Nagla                      BLOCK- Khudaganj  
DISTT- Shahjahanpur

NAME OF AGENCY

M/s NCC Ltd.  
Shahjahanpur



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Agra

# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- KAPOOR NAGLA, BLOCK- KHUDAGANJ  
DISTT- SHAHJAHANPUR  
UNDER  
JAL JIVAN MISSION

## Introduction :

A Deep bore hole was drilled 120 mtrs. depth. and Logged depth 120 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 27.Nov.2022.

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	Clay kankar	
3.	10 - 22	12	Medium sand	Med to Good
4.	22 - 32	10	Clay kankar	
5.	32 - 72*	40	Medium sand	Med to Good
6.	72 - 75	3	Clay kankar	
7.	75 - 80*	5	Medium sand	Med to Good
8.	80 - 89	9	Clay kankar	
9.	89 - 110*	21	Medium sand	Med to Good
10.	110 - 120	10	Clay kankar	

**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**



**Ground Water Survey Consultancy**

