

**GEO-PHYSICAL WELL  
ELECTROLOGGING REPORT**

Ref No:- A- 96

Date:- 05-04-2023

**NAME OF SITE**

GRAM PANCHAYAT- Raheempur      BLOCK- Bhawalkhera  
DISTT- Shahjahanpur

**NAME OF AGENCY**

M/s NCC Ltd.  
Shahjahanpur



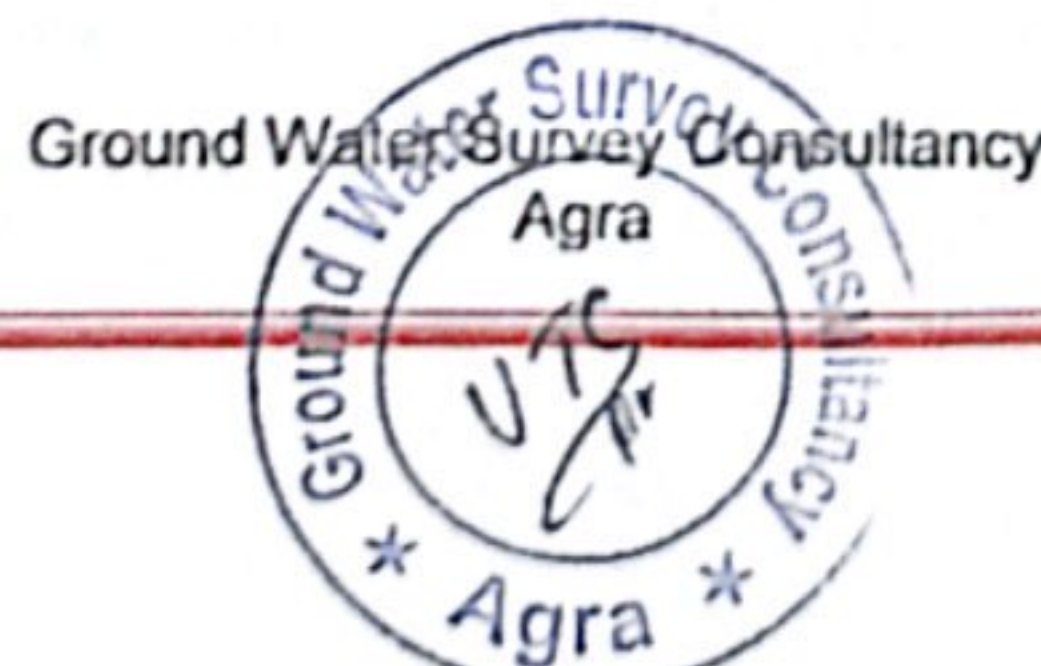
**GROUND WATER SURVEY CONSULTANCY**

Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

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**ISO ; 9001 : 2015**





# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- RAHEEMPUR, BLOCK- BHAWALKHERA,  
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 05. April. 2023.

Logging Parameters - 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 - 25	20	Clay kankar	
3.	25 - 35	10	Medium sand	Medium
4.	35 - 51	16	Clay kankar	
5.	51 - 75*	24	Medium sand	Medium
6.	75 - 93*	18	Clay kankar	
7.	93 - 106*	13	Medium sand	Medium
8.	106 - 110	4	Clay kankar	
9.	110 - 117*	7	Medium sand	Medium
10.	117 - 120	3	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.
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



N16 (SN)  
 N16 (LN)  
 LAT

Logging of  
 Borehole No. 1001  
 at  
 Location  
 Date  
 05 Apr 2013  
 10:03  
 with depth (m)  
 (m)

