

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

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

Ref No:- 736

Date:- 13-01-2023

**NAME OF SITE**

Gram Panchayat- Dingurpur

BLOCK- Bhawalkhera

DISTT- Shahjahanpur

**NAME OF AGENCY**

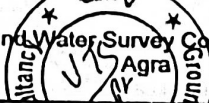
M/s NCC Ltd.  
Shahjahanpur



**GROUND WATER SURVEY CONSULTANCY**  
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.  
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- DINGURPUR, BLOCK- BHA, WALKHERA, 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 13.Jan.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 - 10         | 5            | Clay kankar  |                        |
| 3.    | 10 - 49        | 39           | Medium sand  | Medium                 |
| 4.    | 49 - 72        | 23           | Clay kankar  |                        |
| 5.    | 72 - 84*       | 12           | Medium sand  | Medium                 |
| 6.    | 84 - 98        | 14           | Clay kankar  |                        |
| 7.    | 98 - 136*      | 38           | Medium sand  | Medium                 |
| 8.    | 136 - 140      | 4            | Clay kankar  |                        |



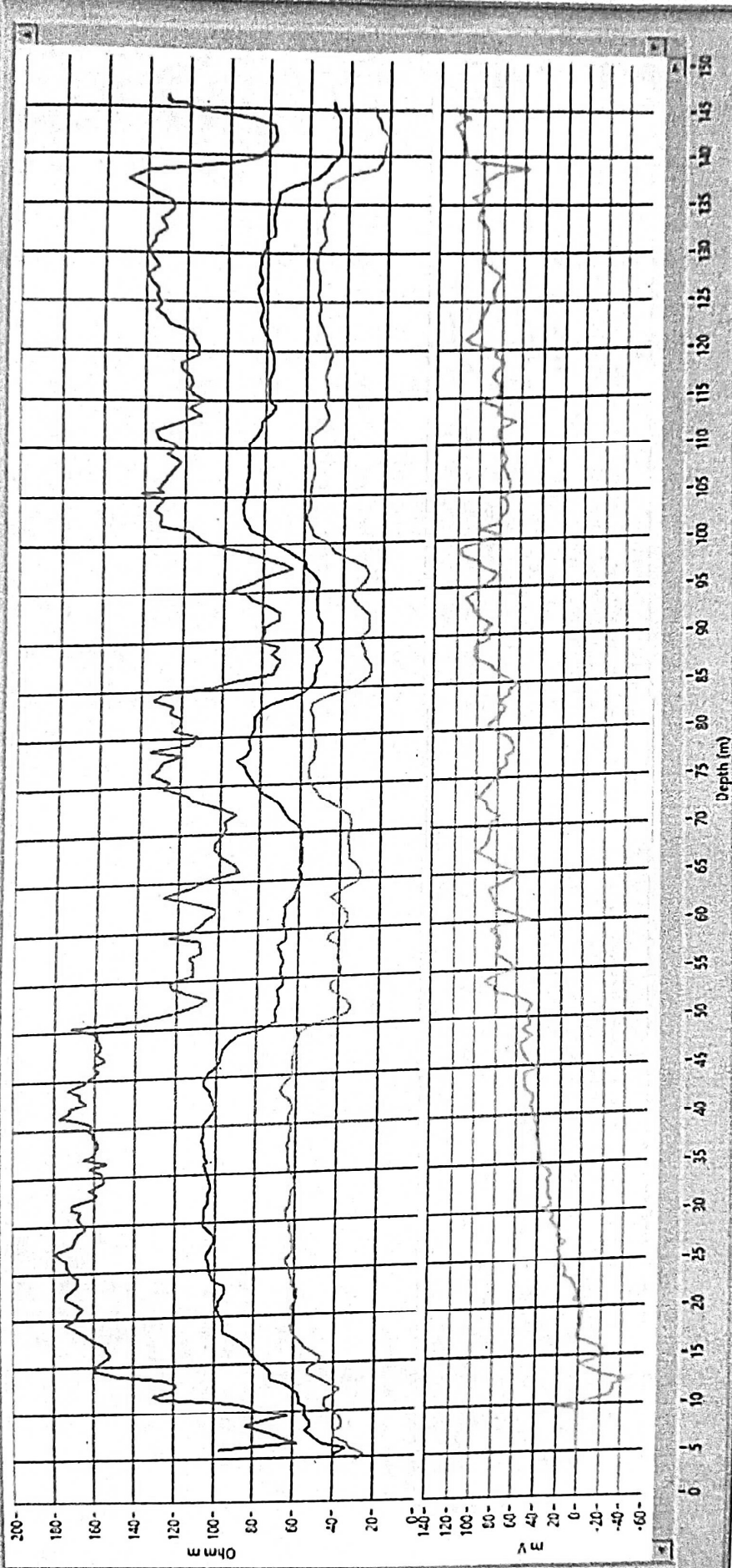
**Conclusions and Recommendations :-**

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**



Rho a  
 < NSI (SN)  
 < NSI(LI)  
 < LAT

Logging Details  
 Loggey's Engineers India  
 Engineers D.M.  
 27, Park Road  
 COEN (CGI) Noida  
 201305  
 1944  
 Phone: 91-11-2610111

Loggey's No  
 165/20321-22

SP (m V)  
 Loggey's Work  
 DIPL-2  
 Loggey's Core by

Ground Water Survey  
 Consultancy - Agra  
 India

