

# GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

## GEO-PHYSICAL WELL ELECTOLOGGING REPORT

Ref No:-B-411

Date:- 22-11-2024

### NAME OF SITE

GRAM PANCHAYAT- Raheespur

BLOCK- Deokali

DISTT- Ghazipur

### NAME OF AGENCY

M/s HFCL Pvt. Ltd.  
Ghazipur



## GROUND WATER SURVEY CONSULTANCY

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

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**ISO ; 9001 : 2015**

Ground Water Survey Consultancy



# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- RAHEESPUR, BLOCK- DEOKALI, DISTT- GHAZIPUR  
UNDER  
JAL JIVAN MISSION

## Introduction :

A Deep bore hole was drilled 220 mtrs. Depth and Logged depth 207 mtrs. at above site. Was drilled by M/S HFCL Pvt. Ltd. Ghazipur.

On the request of M/S HFCL Pvt. Ltd. Ghazipur. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 22.Nov.2024.

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:-

Mud Resistivity = 15.89 Ohms.

Drilling Water Resistivity = 16.90 Ohms.

Approx Water Level = 6 Mtr

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	24 - 40	16	Medium sand	Good
2.	46 - 53	7 - 6	Medium sand & kankar	Good
3.	55 - 62	7 - 6	Medium sand	Good
4.	114 - 120	6	Fine sand & kankar	Moderate

- Note :-
1. Please ensure pre-monsoon water level before lower the well assembly
  2. Clay kankar is present in depth 7-23, 41-45, 63-72, 76-83, 89-96, 101-113, 147-153, 165-174 and 191 Mtr bgl to till depth logged.
  3. Quality Of Ground water is deteriorating Marginally Saline in below 73-75, 84-88, 97-100, 121-146, 154-164, 175-190 Mtr bgl.



Geologist



Rho s  
 N 16(SN)  
 N 64 (LN)  
 LAT

Location:  
 Sagar Sagar Dam  
 Block: Sagar  
 Dist: Sagar  
 State: MP  
 Date: 22 Nov 2024  
 Time: 15:10  
 Operator:  
 User: Sagar Sagar  
 Well Depth:

Logger S No:  
 IGIS/5/02/23-24

Logger Model:  
 DMPL-2

Logger Owned by:  
 Ground Water  
 Survey Consultancy  
 Agra UP India

