

GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL ELECTROLOGGING REPORT

Ref No:-B- 418

Date:- 25-11-2024

NAME OF SITE

GRAM PANCHAYAT- Khatirpur

BLOCK- Manihari

DISTT- Ghazipur

NAME OF AGENCY

M/s HFCL Pvt. Ltd.
Ghazipur



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



22 lowering

REPORT ON GEOPHYSICAL WELL LOGGING

300X300
104+6
Q=300

AT

GRAM PANCHAYAT- KHATIRPUR, BLOCK- MANIHARI, DISTT- GHAZIPUR
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 125 mtrs. depth. and Logged depth 119 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 25.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 = 17.90 Ohms.

Drilling Water Resistivity = 18.31 Ohms.

Approx Water Level = 5 Mtr

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	14 - 17	3	Fine sand	Good
2.	24 - 31	7	Medium sand	Good
3.	39 - 41	2	Fine sand & kankar	Moderate
4.	50 - 55	5	Fine sand	Moderate
5.	63.50 - 76.50	13 - 12	Medium sand	Good
6.	95 - 98	3	Fine sand	Moderate

Note :- 1. Please ensure pre-monsoon water level before lower the well assembly

2. Clay kankar is present in depth range 6-13, 18-23, 32-38, 42-49, 56-63, 77-94 and 99 Mtr bgl to till depth logged.

BP=3m
Cement Seal = 80m

Geologist



Rho a
 N 16(SN)
 N 64 (LN)
 LAT
 LOCATION
 09° 58' 00" N
 75° 58' 00" E
 Log No.
 UP 100000000
 Date
 28 Nov 2014
 Time
 21:44
 Operator
 10
 File Name
 10

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

Logger Model:
 DMPL-2

Logger Owned By:
 Ground Water
 Survey Consistency
 Agra UP India

