

# GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

## GEO-PHYSICAL WELL ELECTROLOGGING REPORT

Ref No:-A-1729

Date:- 30-09-2023

### NAME OF SITE

GRAM PANCHAYAT- Alapur

BLOCK- Bhawarkol

DISTT- Ghazipur

### NAME OF AGENCY

L&T 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



Q = 470  
200 X 150

60 + 102 + 18  
500 X 450

# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- ALAPUR, BLOCK- BHAWARKOL, DISTT- GHAZIPUR  
UNDER  
JAL JIVAN MISSION

## Introduction :

A Deep bore hole was drilled 200 mtrs. depth. and Logged depth 117 mtrs. at above site. Was drilled by L & T. Ghazipur.

On the request of L & T. Ghazipur. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 30.Sep.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:-

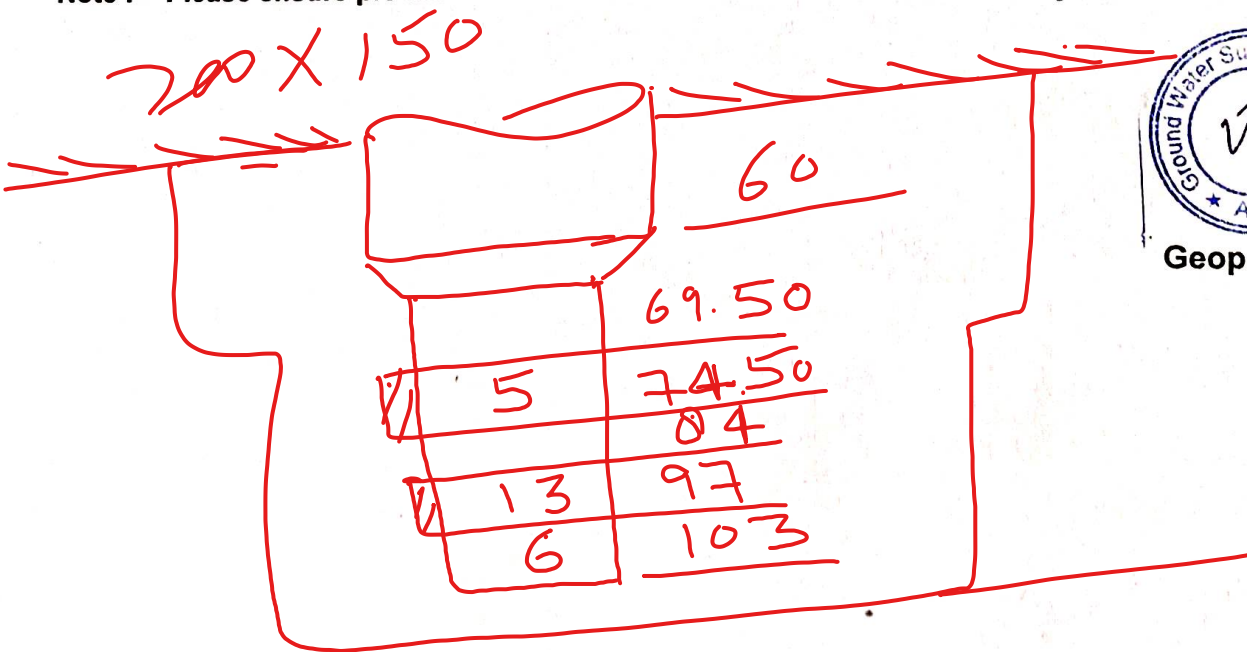
Mud Resistivity = 15.72 Ohms.

Drilling Water Resistivity = 14.96 Ohms.

Approx Water Level = 6 Mtr

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	25 - 45	20	Fine to Medium sand	Good
2.	50 - 60	10	Medium sand	Good
3.	69 - 75	6	Fine to medium sand	Good
4.	78 - 98	20	Medium sand	Good
5.	110 - 117	7	Medium sand	Good

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



Geophysicist

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

Location:  
 Logging ge. chandra book  
 observation: 01m 01m 01m  
 Log No.:  
 US 10050000  
 Date:  
 30 Sep 2013  
 Time:  
 14:17  
 Channel:  
 (center: 5000 Hz)  
 Well Depth:

Logger's No.:  
 IGIS/S/02/23-24

Logger Model:  
 SP

DNAPL-2

Logger Owned by:  
 Ground Water  
 Survey Consultancy  
 Agra UP India

