

GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL ELECTROLOGGING REPORT

Ref No:-A-1730

Date:- 30-09-2023

NAME OF SITE

GRAM PANCHAYAT- Lawadih Redmar 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
Agra



REPORT ON GEOPHYSICAL WELL LOGGING AT

$Q = 840$
 $60 + 90 + 30$
 300×150
 600×450

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

Introduction :

A Deep bore hole was drilled 200 mtrs. depth. and Logged depth 172 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 = 9.86 Ohms.

Drilling Water Resistivity = 10.52 Ohms.

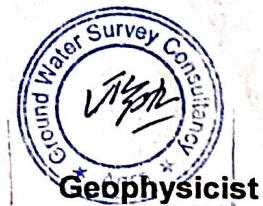
Approx Water Level = 6 Mtr

300×150

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	45 - 59	14	Medium sand	Good
2.	75 - 89	14 - 12	Medium sand	Good
3.	95 - 97	2	Fine to medium sand	Good
4.	114 - 120	6 - 4	Fine to medium sand	Good
5.	125 - 135	10 - 6	Fine to medium sand	Good
6.	140 - 148	8 - 6	Fine to medium sand	Good
7.	158 - 161	3 - 2	Fine to medium sand	Good

$BP = 4m$

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



Rho a
 N16 (SN)
 N64(LN)
 LAT

Logging Details:
 Logging by: *Ground Water Survey*
 Parameter: *Electrical Resistivity*
 Log: *LOGGING*
 Date: *30 Sep 2013*
 Time: *16:51*
 Station: *gwa-02a (g)*

Logger SI No: *IGIS/S/02/23-24*

Logger Model: *SP (m V)*
 DMPL-2

Logger Owned by: *Ground Water Survey Consultancy*
 Agra UP India

