

GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL ELECTROLOGGING REPORT

Ref No:-B-2363

Date:- 09-11-2023

NAME OF SITE

GRAM PANCHAYAT- Rehudha

BLOCK- Zamania

DISTT- Ghazipur

NAME OF AGENCY

M/s 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



REPORT ON GEOPHYSICAL WELL LOGGING

AT
GRAM PANCHAYAT- REHUDHA, BLOCK- ZAMANIA, DISTT- GHAZIPUR
UNDER
JAL JIVAN MISSION

490
60+102+18
200 X 1500
500 X 450

Introduction :

A Deep bore hole was drilled 200 mtrs. depth. and Logged depth 183 mtrs. at above site. Was drilled by M/s L & T. Ghazipur.

On the request of M/s L & T. Ghazipur. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 09.Nov.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 = 08.75 Ohms.


Drilling Water Resistivity = 14.34 Ohms.

Approx Water Level = 6 Mtr

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	30 - 32	2	Fine sand	Good
2.	36 - 40	4	Fine to Medium sand	Good
3.	45 - 47	2	Fine sand	Good
4.	55 - 60	5	Medium sand	Good
5.	65 - 70	5	Fine to Medium sand	Good
6.	90 - 98	8	Fine sand	Good
7.	100 - 106	6	Fine to Medium sand	Good
8.	120 - 137	17-16	Medium sand	Good
9.	147 - 150	3-2	Fine sand	Good
10.	150 - 165	15	Medium Course sand	Good
11.	170 - 177	7	Medium sand	Good

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

BP = 6


Geophysicist

