

GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL ELECTOLOGGING REPORT

Ref No:-B-2582

Date:- 11-12-2023

NAME OF SITE

GRAM PANCHAYAT- Rasoolpur Kandhwara BLOCK- Sadar 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- RASOOLPUR KANDHWARA, BLOCK- SADAR, DISTT- GHAZIPUR
UNDER
JAL JIVAN MISSION

Q = 940
60 + 204 + 36
300 x 150
600 x 450

Introduction :

A Deep bore hole was drilled 330 mtrs. depth. and Logged depth 328 mtrs. at above site. Was drilled by M/s L & T. Ghazipur.

On the request of M/s L & T. Ghazipur. Ghazipur. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 11.Dec.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 = 11.98 Ohms.

Drilling Water Resistivity = 26.58 Ohms.

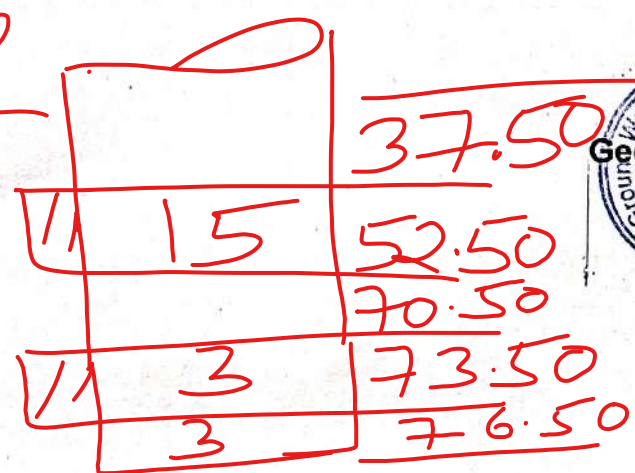
Approx Water Level = 3 Mtr

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	9 - 11	2	Fine sand	Mod to Good
2.	17 - 30	13	Medium sand	Good
3.	34 - 53	19	Medium sand - 18	Good
4.	70 - 74	4	Fine sand - 3	Mod to Good
5.	85 - 92	7	Fine to Medium sand	Good

- Note :-
1. Please ensure pre-monsoon water level before lower the well assembly
 2. Predominated clay is present in depth range 76-84, mtr bgl.
 3. Clay kankar is present in depth range 12-16, 54-69, 111-124 and 132 Mtr bgl to till depth logged.
 4. Quality Of Ground water is deteriorating Marginally Saline in below 100-131 Mtr bgl.

B.P = 3

300 x 300



814