

GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL ELECTOLOGGING REPORT

Ref No:-B-2311

Date:- 04-11-2023

NAME OF SITE

GRAM PANCHAYAT- Shakkarpur BLOCK- Kasimabad 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- SHAKKARPUR, BLOCK- KASIMABAD,
DISTT- GHAZIPUR
UNDER
JAL JIVAN MISSION

*Q = 160
60 + 114 + 6
200 x 150
500 x 450*

Introduction :

A Deep bore hole was drilled 200 mtrs. depth. and Logged depth 166 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 04.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:-

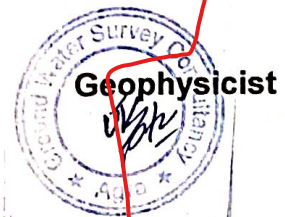
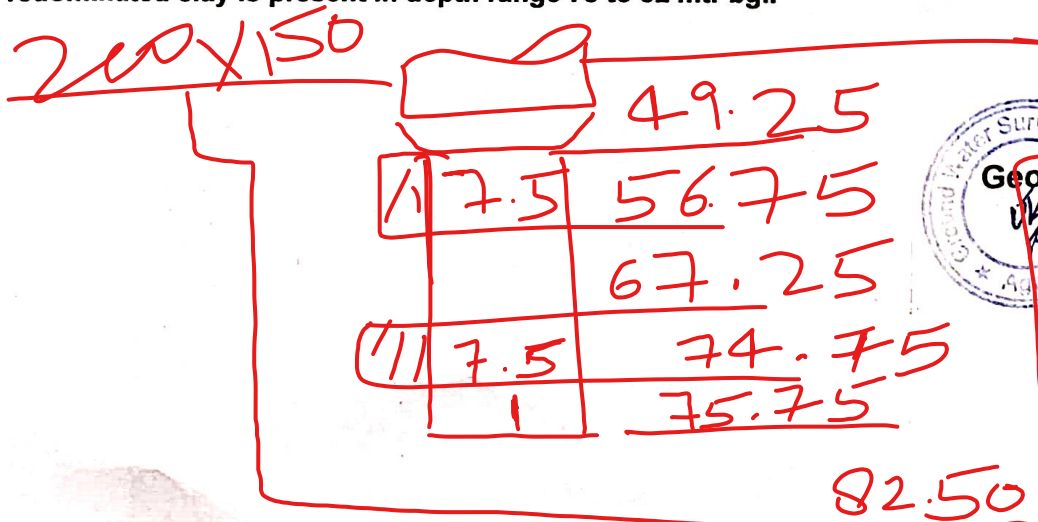
Mud Resistivity = 11.71 Ohms.

Drilling Water Resistivity = 14.27 Ohms.

Approx Water Level = 6 Mtr

| S.No. | Depth range(m) | Thickness(m) | Lithology | Expected Water Quality |
|-------|----------------|---------------|---------------------|------------------------|
| 1. | 18 - 32 | 14 | Medium sand | Good |
| 2. | 49 - 57 | 8 | Fine to Medium sand | Good |
| 3. | 67 - 76 | 9 | Fine to Medium sand | Good |
| 4. | 83 - 87 | 4 | Fine sand | Moderate |

- Note :- 1. Please ensure pre-monsoon water level before lower the well assembly
2. Quality Of Ground water is deteriorating Saline in below 95 Mtr bgl to till depth logged.
3. Predominated clay is present in depth range 78 to 82 mtr bgl.



Rho a
 NI6 (SN)
 N64(LN)
 LAT
 Logging Details:
 500 mg 03 checkstand sock
 400-400 d m g r a z e o u r
 UPI: OCGNCS,IP
 04 Nov 2023
 13.43
 UTM zone: guras (9)

Logger SI No:
 IGSIS/02/23-24

Logger Model:
 DMP1-2
 SP (m V)

Logger Owned by:
 Ground Water
 Survey Consultancy
 Agra UP India

