

REPORT ON GEOPHYSICAL WELL LOGGING

AT

GRAM PANCHAYAT- CHORAHA, BLOCK- MACCHALISHAHAR, DISTT- JAUNPUR

UNDER

JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 300 mtrs. depth. and Logged depth 276 mtrs. at above site. Was drilled by M/S Afcons Infrastructure Pvt. Ltd. Jaunpur

On the request of M/S Afcons Infrastructure Pvt. Ltd. Jaunpur. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 11.Jan.2024.

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:-

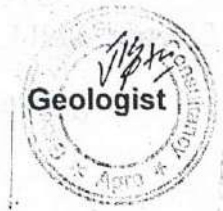
Mud Resistivity = 10.06 Ohms.

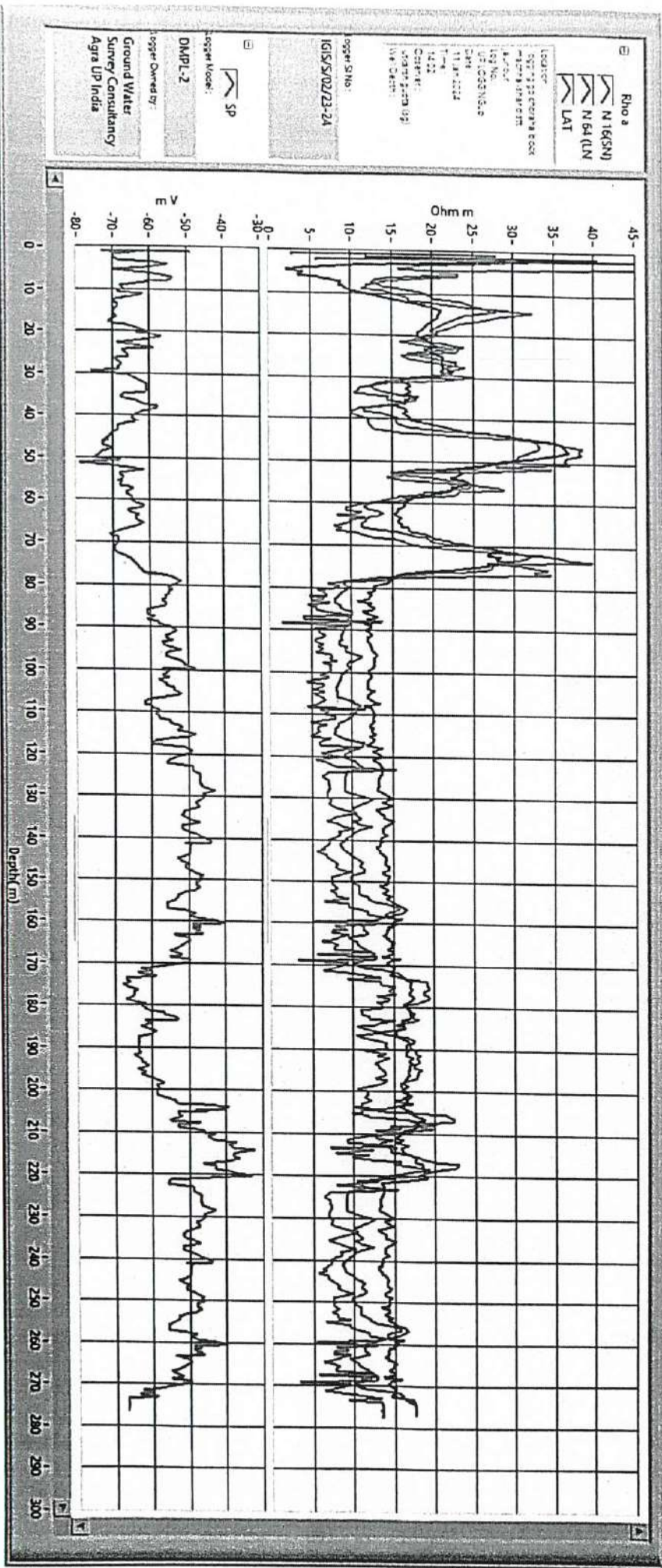
Drilling Water Resistivity = 11.32 Ohms.

Approx Water Level = 9 Mtr

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	11 - 17	6	Fine sand	Moderate
2.	25 - 30	5	Fine sand	Moderate
3.	43 - 50	7	Fine to Medium sand	Good
4.	54 - 57	3	Fine sand	Mod to Good
5.	69 - 76	7	Fine to Medium sand	Good

- Note :
1. Please ensure pre-monsoon water level before lower the well assembly
 2. Quality Of Ground water is deteriorating Marginally Saline in between 170-220 Mtr bgl.
 3. Predominated clay is present in depth range 31-42, 59-68 mtr bgl.
 4. Clay kankar is present in depth range 18-24, 51-52, 77-169, 210-214 and 222 mtr bgl to till depth logged.





Rho a
 N16(SN)
 N64(LN)
 LAT

Location:
 057° 22' 00" E
 11° 14' 00" N
 UTM Zone: 48Q
 UTM Easting: 1114000
 UTM Northing: 1222000
 UTM Datum: WGS 84

Project No.:
 057/22/001
 Date: 14/02/24
 Client: Agra UP
 Site: Agra UP

Log No.:
 IGIS/S/02/23-24

SP
 Log No.:
 DMPL-2

Log Owned by:
 Ground Water
 Survey Consultancy
 Agra UP India

