



# Aqua Xplore

(Groundwater Assessment & Allied Services)

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Advisor - Dr. R. A. Yadav, ex-Manager (Groundwater), U. P. Jal Nigam

Ref. 423 - S / AX - 2022 Date 23.04.2022

## Geophysical Borehole Logging Report

Name of the site : Shivpatinagar, Block - Naugarh

District : Siddharth Nagar

Date : 23.03.2022

Depth logged : 164.0 mbgl

Depth drilled : 165.0 mbgl - as reported

Logged by : Aqua Xplore

Presence : Rep. of M/S Megha Engineering & Infrastructure Ltd., Hyderabad

Based on the interpretation of geophysical logs, following information may be deciphered, particularly with respect to salinity of the formation water.

Sl.No.	Depth range (mbgl)	Thickness(m)	Remarks
<del>1</del>	44.0-48.0	4.0	Good all
<del>2</del>	60.0-65.0	5.0	
<del>3</del>	68.0-78.0	10.0	
<del>4</del>	100.0-107.0	7.0	
<del>5</del>	117.0-127.0	10.0	
<del>6</del>	135.0-150.0	15.0	
<del>7</del>	155.0-160.0	5.0	

Note.

*Dr. R. A. Yadav*

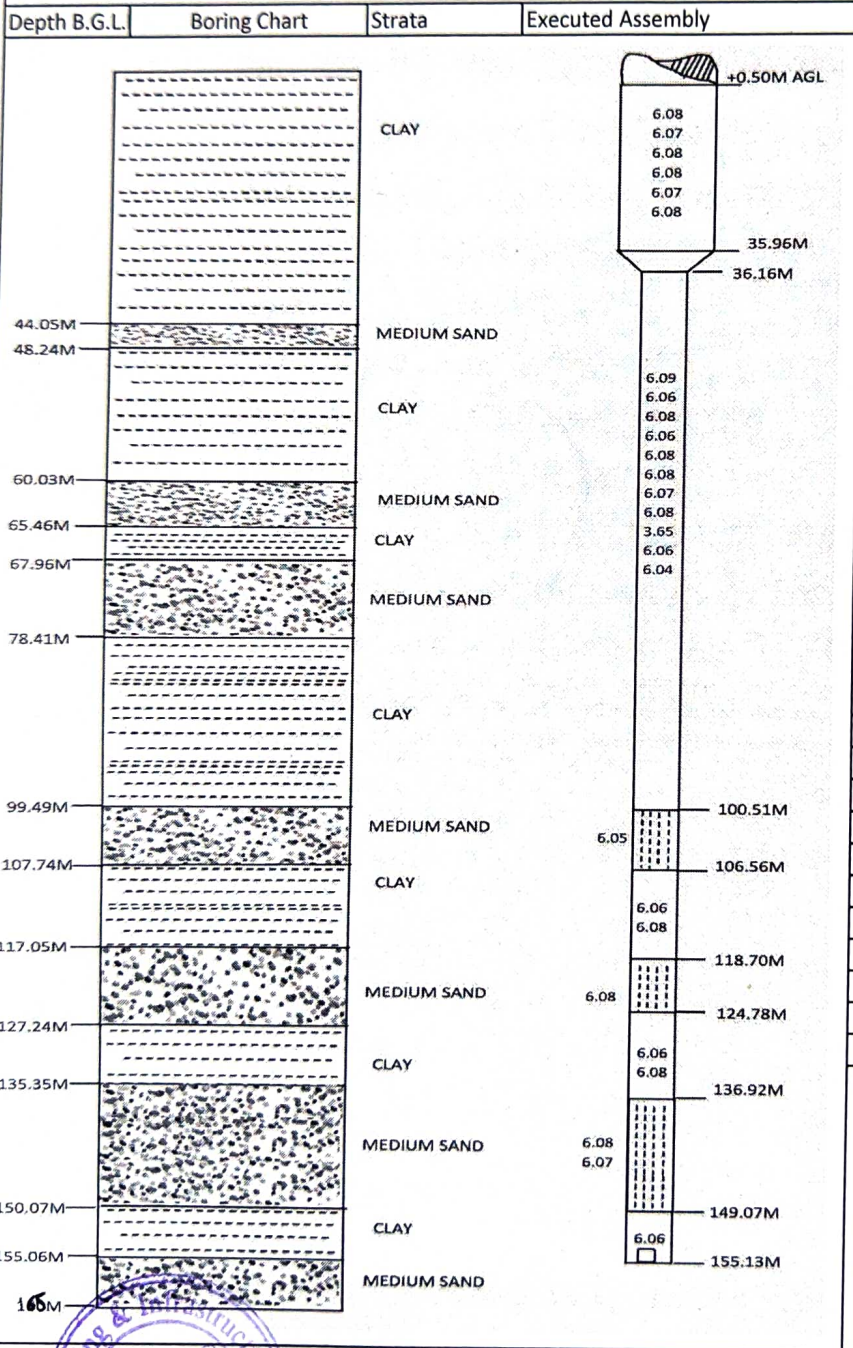
for Aqua Xplore

To  
M/S Megha Engineering & Infrastructure Limited  
Hyderabad

*Verified as per logs provided.*

*Note - All zones are intermixed with thin bands of kaolins.*

*S. M.*  
ASSISTANT HYDROGEOLOGIST  
YANTRIK NAGAR  
LENGAM (RURAL)  
PRAYAGRAJ



ASSEMBLY DETAILS
300 mm Dia housing pipe to 35.96 M
300x150mm reducer from 35.96 M to 36.16 M
150mm dia plain pipe from 36.16 M to 100.51 M
150mm diaslotted pipe from 100.51M to 106.56M
150mm dia plain pipe from 106.56 M to 118.70 M
150mm dia slotted pipe from 118.70 M to 124.78 M
150mm dia plain pipe from 124.78 M to 136.92M
150mm dia slotted pipe from 136.92 M to 149.07 M
150mm dia plain pipe from 149.07M to 155.13 M

total assembly- 155.13M+AGL 0.5 =155.63 M

ABSTRACT
Date of Lowering- 02 MAY 2022
Drilling Depth-165 M
Assembly Lowered-155.63 M
Housing Pipe- 36.46 M
Plain Pipe-94.69 M
Slotted Pipe-24.28 M
Reducer- 0.20 M

LOGGING REPORT
Date of Logging- 23 MARCH 2022
44-48=4 M
60-65=5M
68-78=10M
100-107=7M
117-127=10M
135-150=15M
155-160=5M



*M. Prasad*  
TPI  
M.E.

*AN*  
J.E.

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A.E.

*[Signature]*  
E.E.



# GEO INSTRUMENTS & TECHNIC'S

(A Division of Geophysical Exploration and Instrumentation)

Sales & Service Dealer : Upton Borehole logging system, UPTRON INDIA LTD., LUCKNOW

Ref:GIT:UP: PJM:23-24:LS: 281

Dated: 26-04-2023

## GEOPHYSICAL BOREHOLE LOGGING REPORT

Site: Shivpatti Nagar  
 Block: Naugarh  
 District: Siddharth Nagar  
 State: Uttar Pradesh  
 Drilling Depth: 190.0 m bgl  
 Logging Depth: 172.0 m bgl  
 Date of logging: 26-04-2023  
 Rm - 9.0 Qm Rw - 8.0 Qm

Borehole Drilled by: M/s Megha Engineering & Infrastructure Ltd.,  
 Siddharth Nagar, U. P.

Based on the interpretation of Self Potential (SP), Short Normal (N-16"), Long Normal (N-64") and Lateral G' geophysical logs following informations/granular zones have been deciphered with respect to Salinity only:

Sl. No.	Depth Range (m bgl)	Thickness (meter)	Remark (Quality of Aquifer Water)
1.	18 - 21	03	Good
<del>2.</del>	<del>31 - 38</del>	<del>07</del>	<del>Good</del>
<del>3.</del>	<del>46 - 53</del>	<del>07</del>	<del>Good</del>
<del>4.</del>	<del>58 - 62</del>	<del>04</del>	<del>Good</del>
<del>5.</del>	<del>72 - 79</del>	<del>07</del>	<del>Good</del>
<del>6.</del>	<del>105 - 109</del>	<del>04</del>	<del>Good</del>
<del>7.</del>	<del>116 - 120</del>	<del>04</del>	<del>Good</del>
<del>8.</del>	<del>124 - 130</del>	<del>06</del>	<del>Good</del>
<del>9.</del>	<del>140 - 147</del>	<del>07</del>	<del>Good</del>
10.	153 - 157	04	Good

Note: Fine bands of kankar are intermixed with almost all the zones.

*Verified as per logs provided*

For Geo Instruments & Technic's

*S. Shukla*  
 (S. Shukla)

*G.Sh  
 26/04/23*

