



# Aqua Xplore

(Groundwater Assessment & Allied Services)

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

Ref. 404 - B / AX - 2022

Date 04.04.2022

## Geophysical Borehole Logging Report

Name of the site : Banduwari, Block - Itwa

District : Siddharth Nagar

Date : 04.04.2022

Depth logged : 157.0 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
	33.0---45.0	12.0	Good all
	53.0---60.0	7.0	
	66.0---72.0	6.0	
	81.0---86.0	5.0	
	90.0---106.0	16.0	
	110.0---120.0	10.0	
	145.0---150.0	5.0	

Note.

Verified as per logs provided.

Note - Sr No 2 - 54-60 and Sr No 5 - 90-105 mbgl may consider. Sr No 6 - 12 interfused with Kankeer.

To

M/S Megha Engineering & Infrastructure Limited  
Hyderabad

ASSISTANT HYDROGEOLOGIST

YANTRIK MANDAL  
U.P. JAL NIGAM (RURAL)

for Aqua Xplore

Depth B.G.L.	Boring Chart	Strata	Executed Assembly	ASSEMBLY DETAILS
				200 mm Dia housing pipe to 35.61 M
				200 x150mm reducer from 35.61 M to 35.81 M
				150mm dia plain pipe from 35.81 M to 91.84 M
				150mm dia slotted pipe from 91.84 M to 103.89 M
				150mm dia plain pipe from 103.89 M to 112.89 M
				150mm dia slotted pipe from 112.89 M to 118.89 M
				150mm dia plain pipe from 118.89 M to 124.89 M
				150mm dia slotted pipe from M to M
				150mm dia plain pipe from M to M
				total assembly- 124.89 M+AGL 0.5= 125.39M
				<b>ABSTRACT</b>
				Date of Lowering-
				LPM- 550LPM
				Drilling Depth- 165 M
				Assembly Lowered- 125.39M
				Housing Pipe- 36.61 M
				Plain Pipe- 71.03M
				Slotted Pipe- 18.05 M
				Reducer- 0.2 M
				<b>LOGGING REPORT</b>
				Date of Logging- 4-4-22
				Logging Depth- 157M
				33-45 = 12
				53-60 = 7
				66-72 = 6
				81-86 = 5
				90-106 = 16
				110-120 = 10
				145-150 = 5



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A.E.

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E.E.