



# Aqua Xplore

(Groundwater Assessment & Allied Services)

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Ref. 524 - M / AX - 2022 Date 24.05.2022

## Geophysical Borehole Logging Report

Name of the site : Mahariya, Block – Uska Bazar

District : Siddharth Nagar

Date : 24.05.2022

Depth logged : 178.0 mbgl

Depth drilled : 180.0 mbgl – as reported

Logger use : Robertson make

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

J.E. A.K. Maurya, U.P. Jal Nigam & Mubaraq Hussain, T.P.I

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>	55.0---68.0	13.0	Good all
<del>2</del>	74.0---84.0	10.0	
<del>3</del>	87.0---100.0	13.0	
<del>4</del>	114.0---124.0	10.0	
<del>5</del>	143.0---150.0	7.0	
<del>6</del>	155.0---159.0	4.0	
<del>7</del>	162.0---166.0	4.0	
<del>8</del>	173.0---177.0	4.0	

Note. All zones are intermixed with fine bands of kankar. Sl. No. 4 is fine sand.

Verified as per  
logs provided.  
G.S.  
25/5/22

for Aqua Xplore

To

M/S Megha Engineering & Infrastructure Limited  
Hyderabad

Depth B.G.L.	Boring Chart	Strata	Executed Assembly	ASSEMBLY DETAILS
				200 mm Dia housing pipe to 35.70 M
				200 x150mm reducer from 35.70 M to 35.90 M
				150mm dia plain pipe from 35.90 M to 76.29 M
				150mm dia slotted pipe from 76.29 M to 82.36 M
				150mm dia plain pipe from 82.36 M to 90.96 M
				150mm dia slotted pipe from 90.96 M to 97.02 M
				150mm dia plain pipe from 97.02 M to 143.49 M
				150mm dia slotted pipe from 143.49 M to 149.55 M
				150mm dia plain pipe from 149.55 M to 155.62 M
				total assembly-155.62 M+AGL 0.5= 156.12 M
				<b>ABSTRACT</b>
				Date of Lowering- 28.05.22
				LPM- 600 LPM
				Drilling Depth- 176 M
				Assembly Lowered-156.12 M
				Housing Pipe- 36.2 M
				Plain Pipe-101.53 M
				Slotted Pipe-18.19 M
				Reducer- 0.2 M
				<b>LOGGING REPORT</b>
				Date of Logging- 24.5.22
				Logging Depth- 178M
				55-68 = 13
				74-84 = 10
				87-100 = 13
				114-124 = 10
				143-150 = 7
				155-159 = 4
				162-166 = 4
				173-177 = 4
55.21		Clay	6.04 6.03 6.03 6.04 6.03 6.03	
68.31		Medium Sand	6.05 6.11 6.06 6.04 6.05 6.08 4.08	
74.22		Clay	6.07	76.29
84.13		Medium Sand	6.07	82.36
87.06		Clay	6.06	90.96
100.12		Medium Sand	6.07 6.07 6.06 6.05	97.02
114.21		Clay	6.06 6.06 4.06 6.04	143.49
124.06		Medium Sand	6.06	149.55
150.41		Clay	6.07	155.62
155.06		Medium Sand	A	
159.12		Clay		
162.11		Medium Sand		
166.24		Clay		
173.41		Medium Sand		
176M				



*[Handwritten signature]*

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