



# Aqua Xplore

(Groundwater Assessment & Allied Services)

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

Ref. 622 - B / AX - 2022 Date 22.06.2022

## Geophysical Borehole Logging Report

Name of the site : Benipur Nankar, Block – Khuniyaon

District : Siddharth Nagar

Date : 22.06.2022

Depth logged : ~~165.0 mbgl~~

Depth drilled : 165.0 mbgl

Logger used : ~~Robertson~~ make

Presence : Er.A.K.Maurya, J.E., 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>	26.0—36.0	10.0	Good all
<del>2</del>	46.0—53.0	7.0	
<del>3</del>	56.0—60.0	4.0	
<del>4</del>	64.0—69.0	5.0	
<del>5</del>	76.0—84.0	8.0	
<del>6</del>	93.0—100.0	7.0	
<del>7</del>	110.0—126.0	16.0	
<del>8</del>	134.0—154.0	20.0	
<del>9</del>	160.0—164.0	4.0	

Note. All zones are intermixed with fine bands of kankar.

*Raw*

for Aqua Xplore

To

M/S Megha Engineering & Infrastructure Limited  
Hyderabad

Verified as per  
logs provided.

*G. C. P.*  
ASSISTANT HYDROGEOLOGIST  
YANTRIKMANDAL  
21/06/2022  
PRAYAGRAJ

STRATA CHART

Cover Agreement No. :-

Name of District:- Siddharthnagar

Block Name:- Khuniyadn

Scheme Name:- Benipur Nankar

Name of Activity :-

Depth B.G.L.Meter	Boring Chart	Strata	Executed Assembly	ASSEMBLY DETAILS
			+0.5	200 mm Dia housing pipe to 35.59 M
			6.00	200 x 150mm reducer from 35.59 M to 35.79 M
			6.01	150mm dia plain pipe from 35.79 M to 111.97 M
			6.03	150mm dia slotted pipe from 111.97 M to 124.05 M
			6.03	150mm dia plain pipe from 124.05 M to 136.07 M
			6.01	150mm dia slotted pipe from 136.07 M to 142.14 M
			6.01	150mm dia plain pipe from 142.14 M to 148.15 M
26.0		CLAY	6.02	150mm dia slotted pipe from M to M
36.0		medium sand	6.01	150mm dia plain pipe from M to M
46.0		CLAY	6.01	
53.0		m. Sand	6.01	
56.0		CLAY	6.01	
60.0		med. sand	6.01	
64.0		CLAY	6.03	
69.0		medium sand	6.02	
76.0		CLAY	6.01	
84.0		medium sand	6.02	
93.0		CLAY	6.00	
100.0		medium sand	6.01	
110.0		CLAY	6.02	
110.0		CLAY	4.00	
110.0		Medium sand	11.11 6.01	
126.0		CLAY	11.11 6.07	
126.0		CLAY	6.01	
134.0		CLAY	6.01	
134.0		medium sand	136.07 6.07	
154.0		medium sand	142.14 6.07	
154.0		CLAY	148.15	
160.0		CLAY		
160.0		medium sand		
164.0		CLAY		
164.0		medium sand		
165.0		sandy CLAY		
				<b>ASSEMBLY DETAILS</b>
				Total Assembly-148.15 M+AGL 0.5=148.65M
				<b>ABSTRACT</b>
				Date of Lowering- 06/09/2022
				LPM- 550 LPM
				Drilling Depth- 165 M
				Assembly Lowered-148.65M
				Housing Pipe- 38.59 M
				Plain Pipe- 94.21 M
				Slotted Pipe- 18.15 M
				Reducer- 0.2 M
				<b>LOGGING REPORT</b>
				Date of Logging- 05/09/2022
				Logging Depth- 165.0 M
				26.0 - 36.0 = 10.0
				46.0 - 53.0 = 7.0
				56.0 - 60.0 = 4.0
				64.0 - 69.0 = 5.0
				76.0 - 84.0 = 8.0
				93.0 - 100.0 = 7.0
				110.0 - 126.0 = 16.0
				134.0 - 154.0 = 20.0
				160.0 - 164.0 = 4.0



*M. J. TPI*

*Ah J.E.*

*A.E.*

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