



# Aqua Xplore

(Groundwater Assessment & Allied Services)

243/5, New Colony Jiyamau, Hazratganj, Lucknow – 226001  
Mob. 9918202546 / 9889323322, E mail- aquaxploreko@gmail.com

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

Ref. 713 - B / AX - 2022

Date 13.07.2022

## Geophysical Borehole Logging Report

Name of the site : Bidara, Block – Khuniyaon

District : Siddharth Nagar

Date : 13.07.2022

Depth logged : ~~160.0~~ mbgl

Depth drilled : 165.0 mbgl – as reported

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>	24.0--34.0	10.0	Good all
<del>2</del>	46.0--58.0	12.0	
<del>3</del>	60.0--78.0	18.0	
<del>4</del>	98.0--105.0	7.0	
<del>5</del>	113.0--126.0	13.0	
<del>6</del>	134.0--156.0	22.0	

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

for Aqua Xplore

To

M/S Megha Engineering & Infrastructure Limited  
Hyderabad

*Verified as per logs provided.*

*Gish*  
ASSISTANT HYDROGEOLOGIST  
U.P. JAL NIGAM (RURAL)  
PRAYAGRAJ



Megha Engineering & Infrastructures Limited

MEGHA ENGINEERING & INFRASTRUCTURES LIMITED

WSP RWS BASTI-1273 (SIDDHARTH NAGAR)

STRATA CHART



Har Ghar Jal  
Jal Jeevan Mission

Cover Agreement No. :-

Name of District:- Siddharthnagar

Scheme Name:- Bidra

Name of Activity :-

Block Name:- khuniyaon

Depth B.G.L.Meter	Boring Chart	Strata	Executed Assembly	ASSEMBLY DETAILS
24.0		CLAY	6.00	200 mm Dia housing pipe to 35.45 M
34.0		medium sand	5.94	200 x 150mm reducer from 35.45 M to 35.65 M
46.0		CLAY	6.01	150mm dia plain pipe from 35.65 M to 113.50 M
58.0		medium sand	6.01	150mm dia slotted pipe from 113.50 M to 125.50 M
60.0		CLAY	6.00	150mm dia plain pipe from 125.50 M to 134.52 M
78.0		medium sand	5.99	150mm dia slotted pipe from 134.52 M to 140.53 M
98.0		CLAY	6.03	150mm dia plain pipe from 140.53 M to 146.55 M
105.0		medium sand	6.02	150mm dia slotted pipe from M to M
113.0		CLAY	6.02	150mm dia plain pipe from M to M
126.0		medium sand	6.03	
134.0		CLAY	6.01	Total Assembly-146.55 M+AGL 0.5=147.05 M
156.0		medium sand	6.01	ABSTRACT
160.0		CLAY	6.02	Date of Lowering- 06/09/2022
165.0		sandy clay	6.02	LPM- 450 LPM
			6.03	Drilling Depth- 165 M
			6.02	Assembly Lowered- 147.05 M
			6.02	Housing Pipe- 36.45 M
			6.03	Plain Pipe- 92.89 M
			5.60	Slotted Pipe- 18.01 M
			6.00	Reducer- 0.2 M
			6.00	LOGGING REPORT
			6.02	Date of Logging- 05/09/2022
			3.00	Logging Depth- 160.0 M
			6.01	24.0 - 34.0 = 10.0
			6.02	46.0 - 58.0 = 12.0
			6.02	60.0 - 78.0 = 18.0
			6.02	98.0 - 105.0 = 7.0
			6.02	113.0 - 126.0 = 13.0
			6.02	134.0 - 156.0 = 22.0



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TPI

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J.E.

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A.E.

E.E.