



# Aqua Xplore

(Groundwater Assessment & Allied Services)

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Ref. 708 - B / AX - 2022 Date 08.07.2022

## Geophysical Borehole Logging Report

Name of the site : Bahadurpur, Block – Khuniyaon  
District : Siddharth Nagar  
Date : 08.07.2022  
Depth logged : 159.0 mbgl  
Depth drilled : 170.0 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
1	18.0---22.0	4.0	Good all
2	30.0---38.0	8.0	
3	42.0---48.0	6.0	
4	50.0---57.0	7.0	
5	60.0---68.0	8.0	
6	76.0---83.0	7.0	
7	91.0---85.095	4.0	
8	105.0---109.0	4.0	
9	114.0---127.0	13.0	
10	134.0---138.0	4.0	
11	143.0---157.0	14.0	

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

Verified on per  
logs provided.  
G.S.  
9/7/22

for Aqua Xplore

To

M/S Megha Engineering & Infrastructure Limited  
Hyderabad



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. :-

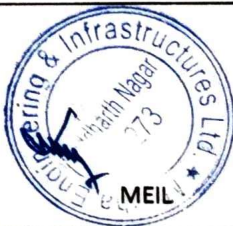
Name of District:- Siddharthnagar

Block Name:- khuniyoon

Scheme Name:- Bahadurpur

Name of Activity :-

Depth B.G.L.Meter	Boring Chart	Strata	Executed Assembly	ASSEMBLY DETAILS
				200 mm Dia housing pipe to 35.47M
				200 x150mm reducer from 35.47M to 35.67M
18.0		CLAY	5.98	150mm dia plain pipe from 35.67 M to 76.50 M
22.0		medium sand	5.99	150mm dia slotted pipe from 76.50 M to 82.51 M
30.0		CLAY	6.00	150mm dia plain pipe from 82.51 M to 114.50 M
38.0		medium sand	6.01	150mm dia slotted pipe from 114.50 M to 126.51 M
42.0		CLAY	6.00	150mm dia plain pipe from 126.51 M to 132.52 M
48.0		medium sand	5.99	150mm dia slotted pipe from M to M
50.0		CLAY	6.01	150mm dia plain pipe from M to M
57.0		medium sand	6.01	
60.0		CLAY	6.01	Total Assembly-132.52 M+AGL 0.5=133.02M
68.0		medium sand	6.01	
76.0		CLAY	4.76	ABSTRACT
83.0		medium sand	6.01	Date of Lowering- 06/09/2022
91.0		CLAY	6.01	LPM- 500 LPM
95.0		medium sand	6.02	Drilling Depth- 165 M
105.0		CLAY	6.01	Assembly Lowered- 133.02M
109.0		medium sand	6.02	Housing Pipe- 36.47 M
114.0		CLAY	6.01	Plain Pipe- 78.83 M
127.0		medium sand	1.93	Slotted Pipe- 18.02 M
134.0		CLAY	6.00	Reducer- 0.2 M
138.0		medium sand	6.01	LOGGING REPORT
143.0		CLAY	6.01	Date of Logging- 05/09/2022
157.0		medium sand	6.01	Logging Depth- 159.0m
159.0		CLAY	6.01	18.0 - 22.0 = 4.0
165.0		sandy CLAY	6.01	30.0 - 38.0 = 8.0
				42.0 - 48.0 = 6.0
				50.0 - 57.0 = 7.0
				60.0 - 68.0 = 8.0
				76.0 - 83.0 = 7.0
				91.0 - 95.0 = 4.0
				105.0 - 109.0 = 4.0
				114.0 - 127.0 = 13.0
				134.0 - 138.0 = 4.0
				143.0 - 157.0 = 14.0



TPI

J.E.

A.E.

E.E.