



# Aqua Xplore

(Groundwater Assessment & Allied Services)

243/5, New Colony Jiyamau, Hazratganj, Lucknow - 226001

Mob. 9918202546 / 9889323322, E mail- aquaxplore1ko@gmail.com

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

Ref. 110 - SD / AX - 2023

Date 10.01.2023

## Geophysical Borehole Logging Report

Name of the site : Sohas Darmayani T/W-2, Block - Uska Bazar

District : Siddharth Nagar

Date : 10.01.2023

Depth logged : ~~177.0~~ mbgl

Depth drilled : 185.0 mbgl - as reported

Logger use : ~~Robertson~~ make

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
<del>1</del>	33.0-40.0	7.0	Good all
<del>2</del>	49.0-52.0	3.0	
<del>3</del>	56.0-59.0	3.0	
<del>4</del>	62.0-70.0	8.0	
<del>5</del>	86.0-93.0	7.0	
<del>6</del>	96.0-112.0	16.0	
<del>7</del>	122.0-130.0	8.0	
<del>8</del>	150.0-153.0	3.0	
<del>9</del>	164.0-168.0	4.0	

Note: All zones are Intermixed with fine bands of kankar.

Verified as per logs provided.  
Note - So No 7 have finer sediments  
To  
M/S Megha Engineering & Infrastructure Limited  
Hyderabad  
G.S.  
11/01/23

for Aqua Xplore

Cover Agreement No. :-

Name of District:- **SIDDHARTH NAGAR**

Scheme Name:- **SOHAS DARMIYANI**

Name of Activity:- **LOWERING OF TUBEWELL 2**

Block Name:- **USKA BAZAR**

Depth B.G.L.Meter	Boring Chart	Strata	Executed Assembly	ASSEMBLY DETAILS
			+0.5M AGL	200 mm Dia housing pipe to 41.78 M
			6.00	200 x150mm reducer from 41.78 M to 41.98 M
			6.00	150mm dia plain pipe from 41.98 M to 99.15 M
			6.01	150mm dia slotted pipe from 99.15 M to 111.15 M
			6.02	150mm dia plain pipe from 111.15 M to 123.21 M
			6.02	150mm dia slotted pipe from 123.21 M to 129.23 M
			6.03	150mm dia plain pipe from 129.23 M to 135.26 M
			6.20	150mm dia slotted pipe from M to M
			0.2	150mm dia plain pipe from M to M
			41.98	150mm dia slotted pipe from M to M
			6.00	150mm dia plain pipe from M to M
			6.00	150mm dia slotted pipe from M to M
			6.01	150mm dia plain pipe from M to M
			6.02	150mm dia slotted pipe from M to M
			6.02	150mm dia plain pipe from M to M
			6.03	150mm dia slotted pipe from M to M
			6.03	150mm dia plain pipe from M to M
			6.03	
			3.00	
				Total Assembly- 135.26 M+AGL 0.5= 135.76 M
				<b>ABSTRACT</b>
				Date of Lowering-
				LPM-
				Drilling Depth- 185 M
				Assembly Lowered- 135.76 M
				Housing Pipe- 42.28 M
				Plain Pipe- 75.26 M
				Slotted Pipe- 18.62 M
				Reducer- 0.2 M
				<b>LOGGING REPORT</b>
				Date of Logging-
				Logging Depth- 177M
				33-40 = 7
				49-52 = 3
				56-59 = 3
				62-70 = 8
				86-99 = 7
				96-112 = 16
				122-130 = 8
				150-153 = 3
				164-168 = 4



TPI

सिर्फ अभियन्ता  
कार्यालय (वि०/याँ०)  
जयदेव निगम (ग्रामीण)  
गोरखपुर

A.E.



# 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. 1230 - S / AX - 2022 Date 30.12.2022

## Geophysical Borehole Logging Report

Name of the site : Sohas Damayani, Block – Uska Bazar

District : Siddharth Nagar

Date : 30.12.2022

Depth logged : ~~183.0~~ mbgl

Depth drilled : 184.0 mbgl – as reported

Logger use : ~~Robertson~~ Make

Presence : 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>	32.0–36.0	4.0	Good all
<del>2</del>	46.0–50.0	4.0	
<del>3</del>	52.0–56.0	4.0	
<del>4</del>	75.0–82.0	7.0	
<del>5</del>	86.0–90.0	4.0	
<del>6</del>	92.0–113.0	21.0	
<del>7</del>	121.0–128.0	7.0	
<del>8</del>	170.0–183.0	13.0	

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

Verified as per  
logs provided.  
1  
G.Sh.  
3/11/22

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. :-

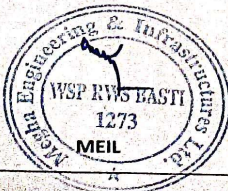
Name of District:- **SIDDHARTH NAGAR**

Block Name:- **USKA BAZAR**

Scheme Name:- **SOHAS DARMAYANI**

Name of Activity:- **LOWERING OF TUBEWELL ASSEMBLY**

Depth B.G.L.Meter	Boring Chart	Strata	Executed Assembly	ASSEMBLY DETAILS
				200 mm Dia housing pipe to 41.60 M
				200 x150mm reducer from 41.60 M to 41.80 M
				150mm dia plain pipe from 41.80 M to 95.88 M
				150mm dia slotted pipe from 95.88 M to 110.90 M
				150mm dia plain pipe from 110.90 M to 122.94 M
				150mm dia slotted pipe from 122.94 M to 125.94 M
				150mm dia plain pipe from 125.94 M to 131.94 M
				150mm dia slotted pipe from M to M
				150mm dia plain pipe from M to M
				150mm dia slotted pipe from M to M
				150mm dia plain pipe from M to M
				150mm dia slotted pipe from M to M
				150mm dia plain pipe from M to M
				Total Assembly- 131.94 M+AGL 0.5= 132.44 M
				<b>ABSTRACT</b>
				Date of Lowering-
				LPM-
				Drilling Depth- M
				Assembly Lowered- 132.44 M =
				Housing Pipe- 42.10 M =
				Plain Pipe- 72.12 M =
				Slotted Pipe- 18.02 M =
				Reducer- 0.20 M
				<b>LOGGING REPORT</b>
				Date of Logging-
				Logging Depth-
				32 - 36 = 04
				46 - 50 = 04
				52 - 56 = 04
				75 - 82 = 07
				86 - 90 = 04
				92 - 113 = 21
				121 - 128 = 07
				170 - 183 = 13



TPI

J.E.

A.E.