



# 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. 913 - K/ AX - 2022

Date 13.09.2022

## Geophysical Borehole Logging Report

Name of the site :, Karja, Block - Bansi

District : Siddharth Nagar

Date : 13.09.2022

Depth logged : ~~168.0~~ mbgl

Depth drilled : 170.0 mbgl - as reported

Logger use : UPTRON 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>	17.0-24.0	7.0	Good all
<del>2</del>	30.0-37.0	7.0	
<del>3</del>	42.0-46.0	4.0	
<del>4</del>	62.0-83.0	21.0	
<del>5</del>	97.0-102.0	5.0	
<del>6</del>	104.0-106.0	4.0	
<del>7</del>	116.0-126.0	10.0	
<del>8</del>	145.0-152.0	7.0	
<del>9</del>	164.0-168.0	4.0	

Note. All zones are intermixed with fine bands of kankar. Si. Nos. 5 & 6 are fine sand.

for Aqua Xplore

To

M/S Megha Engineering & Infrastructure Limited  
Hyderabad

*Verified as per logs provided.*

ASSISTANT GEOLOGICAL  
CIRCLE OFFICE (EM)  
U.P. JAL NIGAM (RURAL)  
PRAYAGRAJ



Order Agreement No. :-

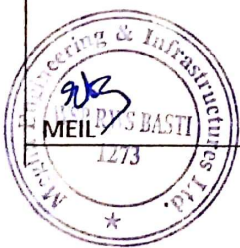
Name of District:- **SIDDHARTH NAGAR**

Block Name:- **KHESARAHA**

Scheme Name:- **KARJA**

Name of Activity :- **LOWERING OF TUBE WELL ASSEMBLY**

Depth B.G.L.Meter	Boring Chart	Strata	Executed Assembly	ASSEMBLY DETAILS
				200 mm Dia housing pipe to 35.62 M
				200 x150mm reducer from 35.62 M to 35.82 M
17.12		CLAY	6.02	150mm dia plain pipe from 35.82 M to 64.02 M
		MEDIUM SAND	6.02	150mm dia slotted pipe from 64.02 M to 70.04 M
24.23		CLAY	6.02	150mm dia plain pipe from 70.04 M to 76.09 M
		MEDIUM SAND	6.03	150mm dia slotted pipe from 76.09 M to 82.11 M
29.96		CLAY	6.01	150mm dia plain pipe from 82.11 M to 118.56 M
		MEDIUM SAND	6.05	150mm dia slotted pipe from 118.56 M to 124.57 M
37.04		CLAY	6.05	150mm dia plain pipe from 124.57 M to 130.82 M
42.73		FINE SAND	6.05	
46.02		CLAY	6.05	
		MEDIUM SAND	4.00	Total Assembly- 130.82 M+AGL 0.5= 131.32 M
62.31		CLAY	6.02	ABSTRACT
		MEDIUM SAND	"11"	Date of Lowering-
		SAND	"11"	LPM- 600
			6.05	Drilling Depth- 168 M
83.27		CLAY	6.02	Assembly Lowered- 131.32 M
		FINE SAND	6.07	Housing Pipe- 36.12 M
97.16		CLAY	6.07	Plain Pipe- 76.95 M
101.95		FINE SAND	6.07	Slotted Pipe- 18.05 M
104.13		FINE SAND	6.08	Reducer- 0.2 M
108.07		CLAY	6.08	LOGGING REPORT
116.32		MEDIUM SAND	6.08	Date of Logging-
		CLAY	6.01	Logging Depth- 168
126.11		CLAY	"11"	17-24 = 7
		FINE SAND	6.25	30-37 = 7
145.43		CLAY	"11"	42-46 = 4
151.97		FINE SAND	"11"	62-83 = 21
		CLAY	"11"	97-102 = 5
164.08		CLAY	"11"	104-108 = 4
168		FINE SAND	"11"	116-126 = 10
170			"11"	145-152 = 7
			"11"	164-168 = 4



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J.E.

A.E.

E.E.





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

Ref. 226 - K / AX - 2023

Date 26.02.2023

## Geophysical Borehole Logging Report

Name of the site : Karja T/W-2, Block - Bansi

District : Siddharth Nagar

Date : 26.02.2023

Depth logged : 142.0 mbgl

Depth drilled : 165.0 mbgl - as reported

Logged used : Robertson make

Presence : Rep. of M/S Megha Engineering & Infrastructure Ltd., Hyderabad  
& M/S Awadh Naushad Ali Enterprises.

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	26.0-33.0	7.0	Good all
2	60.0-73.0	13.0	
3	76.0-83.0	7.0	
4	90.0-94.0	4.0	
5	100.0-103.0	3.0	
6	108.0-111.0	3.0	

Note. All zones are intermixed with kankar. No suitable zones were encountered below 111.0 mbgl till depth logged.

Verified & per logs provided.  
Note - Sr No 5 and 6 are finer in nature.

*[Signature]*

for Aqua Xplore

To  
M/S Megha Engineering & Infrastructure Limited  
Hyderabad

GSh  
27/02/23



Project/Assignment No. :-

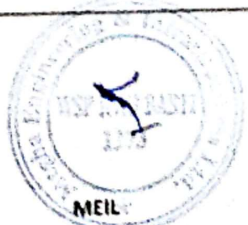
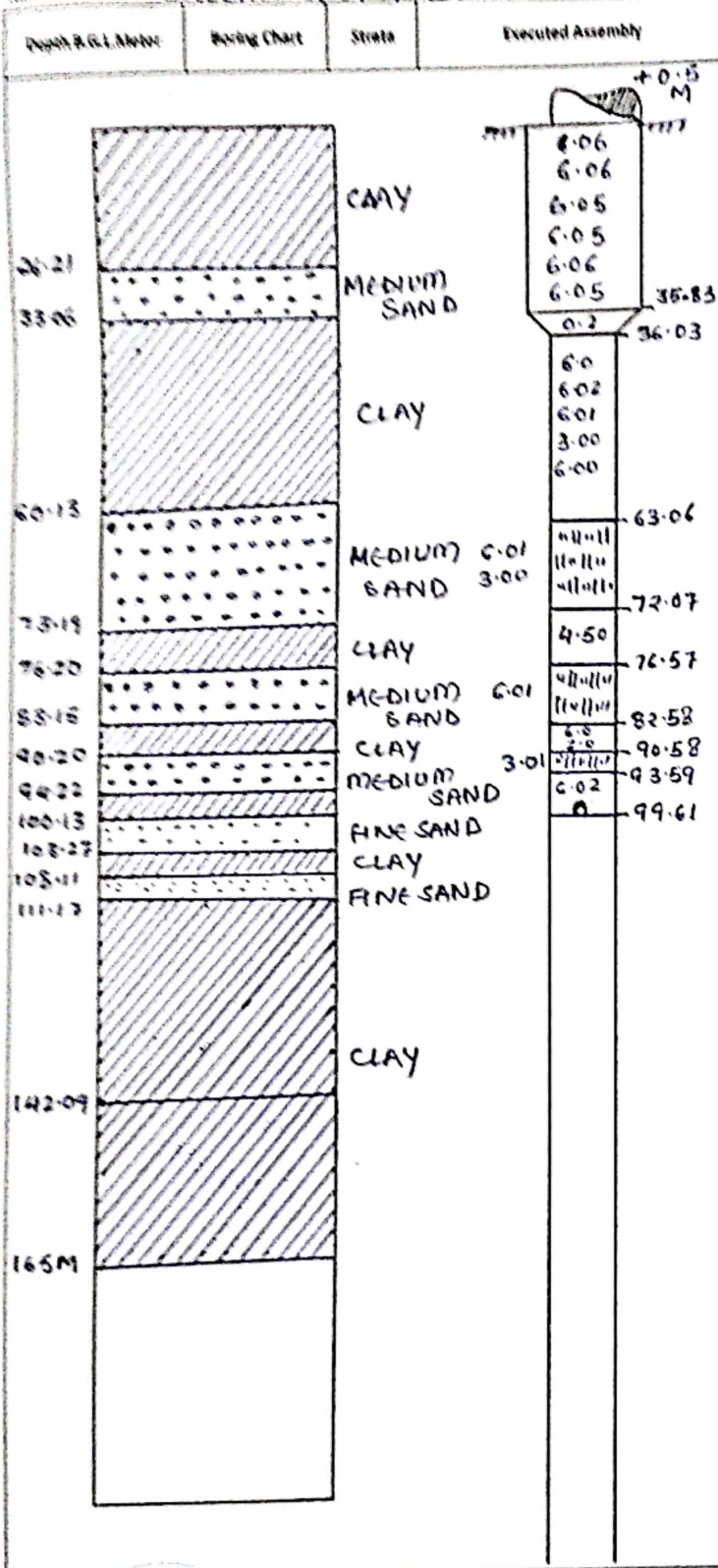
Name of District: **SIDHARTH NAGAR**

Block Name: **KARJA**

Name of Activity: **LOWERING OF TUBEWELL**

Block Name: **KHESHRAHA**

Depth A.G.L. (M)	Strata	Executed Assembly	ASSEMBLY DETAILS
			300 mm Dia housing pipe to 35.83 M
			300 x 150mm reducer from 35.83 M to 36.03 M
			150mm dia plain pipe from 36.03 M to 63.06 M
			150mm dia slotted pipe from 63.06 M to 72.07 M
			150mm dia plain pipe from 72.07 M to 76.57 M
			150mm dia slotted pipe from 76.57 M to 82.58 M
			150mm dia plain pipe from 82.58 M to 90.58 M
			150mm dia slotted pipe from 90.58 M to 93.59 M
			150mm dia plain pipe from 93.59 M to 99.61 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- 99.61 M + AGL 0.5 = 100.11 M
<b>ABSTRACT</b>			
Date of Lowering-			
LPM- 600 LPM			
Drilling Depth- M			
Assembly Lowered- 100.11 M			
Housing Pipe- 36.33 M			
Plain Pipe- 45.55 M			
Slotted Pipe- 18.03 M			
Reducer- 0.20 M			
<b>LOGGING REPORT</b>			
Date of Logging-			
Logging Depth-			
26-33 = 7.0			
60-73 = 13.0			
76-83 = 7.0			
90-94 = 4.0			
100-103 = 3.0			
108-111 = 3.0			



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J.E.

सहायक अभियन्ता  
खण्ड कार्यालय (वि/याँ०)  
उ० प्र० जल विभाग (ग्रामीण)  
मोरखपुर