



Aqua Xplore

(Groundwater Assessment & Allied Services)

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

Ref. 826 - R / AX - 2022

Date 26.08.2022

Geophysical Borehole Logging Report

Name of the site : Ram Nagar, Block - Badhani

District : Siddharth Nagar

Date : 26.08.2022

Depth logged : 196.8 mbgl

Depth drilled : 202.0 mbgl - as reported

Logged by : Aqua Xplore Robertson

Presence : Er.A.K.Maurya, J.E., Mr. Mubaraq Hussain, TPI & 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	25.0-32.0	7.0	Good all
2	40.0-46.0	6.0	
3	53.0-60.0	7.0	
4	64.0-72.0	8.0	
5	92.0-96.0	4.0	
6	114.0-120.0	6.0	
7	133.0-150.0	17.0	
8	154.0-158.0	4.0	
9	168.0-180.0	12.0	

Note, All zones are intermixed with fine bands of kankar. Sl. No. 8 is fine sand.

for Aqua Xplore

To

M/S Megha Engineering & Infrastructure Limited
Hyderabad

Verified as per
logs provided.

Gill
ASSISTANT HYDROGEOLOGICAL
27 OFFICE OFFICE (E/M)
U.P. JAL NIGAM (RURAL)
PRAYAGRAJ

Order Agreement No. :-

Name of District:- **SIDDHARTH NAGAR.**

Block Name:- **BADHANI**

Scheme Name:- **RAMNAGAR.**

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 35.56 M
			0.50 AGL	200 x150mm reducer from 35.56 M to 35.76 M
25.15		CLAY	6.00	150mm dia plain pipe from 35.76 M to 65.21 M
		FINE SAND	6.00	150mm dia slotted pipe from 65.21 M to 71.22 M
32.11		CLAY	6.02	150mm dia plain pipe from 71.22 M to 134.46 M
		MEDIUM SAND	6.01	150mm dia slotted pipe from 134.46 M to 146.47 M
39.96		CLAY	6.02	150mm dia plain pipe from 146.47 M to 152.50 M
		MEDIUM SAND	6.01	150mm dia slotted pipe from M to M
46.14		CLAY	6.01	150mm dia plain pipe from M to M
		FINE SAND	6.08	
53.17		CLAY	6.01	
		MEDIUM SAND	5.34	
60.15		CLAY	" / /"	
		MEDIUM SAND	" / /"	
64.21		CLAY	6.01	
		MEDIUM SAND	6.02	
71.91		CLAY	6.01	
		FINE SAND	6.01	
92.17		CLAY	6.02	
		FINE SAND	6.02	
95.97		CLAY	6.01	
		FINE SAND	6.03	
114.91		CLAY	6.02	
		FINE SAND	3.00	
120.06		CLAY		
		MEDIUM SAND	" / /"	
133.15		CLAY	5.99	
		MEDIUM SAND	" / /"	
142.98		CLAY	6.02	
		MEDIUM SAND	" / /"	
154.18		CLAY	146.47	
		FINE SAND	6.03	
157.23		CLAY	152.50	
		FINE SAND		
167.17		CLAY		
		FINE SAND		
180		CLAY		
196		CLAY		
				Total Assembly- 152.50 M+AGL 0.5= 153 M
ABSTRACT				
Date of Lowering-				
LPM-				
Drilling Depth- 202. M				
Assembly Lowered- 153 M				
Housing Pipe- 36.06 M				
Plain Pipe- 98.72 M				
Slotted Pipe- 18.02 M				
Reducer- 0.20 M				
LOGGING REPORT				
Date of Logging-				
Logging Depth- 196 m				
25 - 32 = 7				
40 - 46 = 6				
53 - 60 = 7				
64 - 72 = 8.				
92 - 96 = 4				
114 - 120 = 6				
133 - 150 = 17				
154 - 158 = 4				
167 - 180 = 12				



TPI

J.E.

A.E.

E.E.