



# Aqua Xplore

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

Ref. 1002 - N / AX - 2022

Date 02.10.2022

## Geophysical Borehole Logging Report

Name of the site : Nawela, Block – Bansi

District : Siddharth Nagar

Date : 02.10.2022

Depth logged : ~~166.0~~ mbgl

Depth drilled : 170.0 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
1	24.0—28.0	4.0	Good all
2	30.0—34.0	4.0	
3	38.0—44.0	6.0	
<del>4</del>	52.0—59.0	7.0	
<del>5</del>	67.0—74.0	7.0	
<del>6</del>	80.0—87.0	7.0	
<del>7</del>	114.0—121.0	7.0	
<del>8</del>	131.0—138.0	7.0	
<del>9</del>	141.0—148.0	7.0	

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

*[Signature]*

for Aqua Xplore

Verified as per logs provided.

To  
M/S Megha Engineering & Infrastructure Limited  
Hyderabad

*Gish*  
ASSISTANT HYDROGEOLOGIST  
OFFICE (E/M)  
U.P. JAL NIGAM (RURAL)

Cover Agreement No. :-

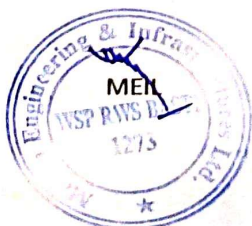
Name of District:- SIDDHARTH NAGAR.

Block Name:- BANSI

Scheme Name:- NAWELA.

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 35.84M
				200 x150mm reducer from 35.84 M to 36.04 M
			6.06	150mm dia plain pipe from 36.04 M to 114.42M
			6.04	150mm dia slotted pipe from 114.42 M to 120.44 M
			6.10	150mm dia plain pipe from 120.44 M to 131.51 M
			6.02	150mm dia slotted pipe from 131.51 M to 137.57M
			6.02	150mm dia plain pipe from 137.57 M to 143.63M
			6.10	150mm dia slotted pipe from M to M
			0.20	150mm dia plain pipe from M to M
24.12		CLAY	6.06	
28.07		MEDIUM SAND	6.07	
30.03		CLAY	6.08	
34.21		MEDIUM SAND	6.06	
37.89		CLAY	6.07	
44.12		MEDIUM & FINE SAND	6.08	
51.98		CLAY	6.06	
59.13		FINE SAND	6.07	
67.16		CLAY	6.07	
73.94		FINE SAND	6.08	
80.10		CLAY	6.06	
87.13		MEDIUM & FINE SAND	6.07	
		CLAY	6.08	
		CLAY	6.06	
		CLAY	5.55	
113.93		MEDIUM SAND	6.02	
121.11		CLAY	"//"	
131.06		MEDIUM SAND	"//"	
139.08		CLAY	6.07	
140.99		MEDIUM SAND	5.00	
148		CLAY	6.06	
166		CLAY	"//"	
				Total Assembly-143.63 M+AGL 0.5=144.13M
				ABSTRACT
				Date of Lowering-
				LPM-
				Drilling Depth- 165 M
				Assembly Lowered- 144.13M
				Housing Pipe- 36.34 M
				Plain Pipe- 95.51 M
				Slotted Pipe- 12.08 M
				Reducer- 0.20 M
				LOGGING REPORT
				Date of Logging-
				Logging Depth- 166
				24 - 28 = 4
				30 - 34 = 4
				38 - 44 = 6
				52 - 59 = 7
				67 - 74 = 7
				80 - 87 = 7
				114 - 121 = 7
				131 - 138 = 7
				141 - 148 = 7



TPI

Atm  
J.E.

AE

E.E.

सहायक अभियन्ता  
खण्ड कार्यालय (वि०/या०)  
उ० प्र० जल निगम (ग्रामीण)  
गोरखपुर