



# Aqua Xplore

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

Ref. 1002 - M / AX - 2022      Date 02.10.2022

## Geophysical Borehole Logging Report

Name of the site : Mahui, Block – Itwa  
District : Siddharth Nagar  
Date : 02.10.2022  
Depth logged : 165.0 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
<del>1</del>	25.0—35.0	10.0	Good all
②	44.0—48.0	4.0	
③	54.0—58.0	4.0	
<del>4</del>	74.0—97.0	23.0	
<del>5</del>	115.0—122.0	7.0	
<del>6</del>	128.0—132.0	4.0	
<del>7</del>	149.0—159.0	10.0	

Note. All zones are intermixed with fine bands of kankar. Sl. Nos. 2 & 3 are fine sand.

*[Signature]*

for Aqua Xplore

To  
M/S Megha Engineering & Infrastructure Limited  
Hyderabad

Verified as per logs provided.

G. S.  
ASSISTANT HYDROGEOLOGIST  
02/10/2022 (M)  
UP (RURAL)

Order Agreement No. :-

Name of District:- SIDDHARTH NAGAR

Block Name:- ITWA

Scheme Name:- MAHUI

Name of Activity:- LOWERING OF TUBEWELL ASSEMBLY

Depth B.G.L. Meter	Boring Chart	Strata	Executed Assembly	ASSEMBLY DETAILS
			+ 0.50 AGL	200 mm Dia housing pipe to 35.62 M
			6.04	200 x 150mm reducer from 35.62 M to 35.82 M
			6.03	150mm dia plain pipe from 35.82 M to 78.33 M
			6.01	150mm dia slotted pipe from 78.33 M to 84.35 M
34.39		clay	6.02	150mm dia plain pipe from 84.35 M to 90.43 M
			6.01	150mm dia slotted pipe from 90.43 M to 93.43 M
35.13		medium sand	6.01	150mm dia plain pipe from <del>93.43</del> M to 117.69 M
			35.62	150mm dia slotted pipe from 117.69 M to 120.69 M
43.92		clay	6.08	150mm dia plain pipe from 120.69 M to 126.76 M
49.06		fine sand	6.06	
54.12		clay	6.07	
58.39		medium sand	6.08	
			6.08	Total Assembly- 126.76 M + AGL 0.5 = 127.26 M
			6.08	
74.18		clay		
			78.33	
			6.02	ABSTRACT
			84.35	Date of Lowering-
			6.08	LPM- 350 LPM
96.98		medium sand	3.00	Drilling Depth- 165 M
			90.43	Assembly Lowered- 127.26 M
			6.07	Housing Pipe- 36.12 M
			6.05	Plain Pipe- 78.92 M
114.84		clay	6.07	Slotted Pipe- 12.02 M
			6.07	Reducer- 0.20 M
122.12		medium sand	3.00	
128.33		clay		LOGGING REPORT
132.12		fine sand		Date of Logging-
			117.69	Logging Depth- 165 M
149.08		clay		25-35 = 10
			120.69	44-48 = 4
159.31		fine sand		54-58 = 4
			126.76	74-97 = 23
165		clay		115-122 = 7
				128-132 = 4
				149-159 = 10



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