



Aqua Xplore

(Groundwater Assessment & Allied Services)

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

Ref. 606 - L / AX - 2022 Date 06.06.2022

Geophysical Borehole Logging Report

Name of the site : Lamui Taal , Block – Khesaraha

District : Siddharth Nagar

Date : 06.06.2022

Depth logged : 165.0 mbgl

Depth drilled : 170.0 mbgl – as reported

Logged by : Aqua Xplore Robertson

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
1	28.0—38.0	10.0	Good all
2	43.0—50.0	7.0	
3	62.0—72.0	10.0	
4	82.0—90.0	8.0	
5	100.0—104.0	4.0	
6	117.0—124.0	7.0	
7	132.0—140.0	8.0	

Note. All zones are intermixed with kankar.

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for Aqua Xplore

To

M/S Megha Engineering & Infrastructure Limited
Hyderabad

Verified as per logs provided.

G.S.K.
ASSISTANT HYDROGEOLOGIST
U.P. JAL NIGAM
Lucknow

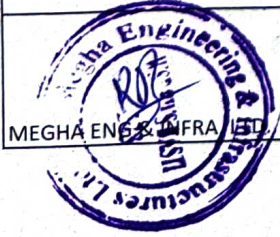


Depth B.G.L.	Boring Chart	Strata	Executed Assembly	ASSEMBLY DETAILS
			+0.50	300 mm Dia housing pipe to 37.48 M
			AGL	300 x150mm reducer from 37.48 M to 37.68 M
28.04		CLAY	6.44	150mm dia plain pipe from 37.68 M to 83.04 M
			6.43	150mm dia slotted pipe from 83.04 M to 89.11 M
		MEDIUM SAND	6.26	150mm dia plain pipe from 89.11 M to 100.48 M
38.17			6.20	150mm dia slotted pipe from 100.48 M to 103.55 M
		CLAY	6.45	150mm dia plain pipe from 103.55 M to 117.49 M
			6.26	150mm dia slotted pipe from 117.49 M to 123.56 M
43.21			0.20	150mm dia plain pipe from 123.56 M to 132.65 M
		MEDIUM SAND	6.10	150mm dia slotted pipe from 132.65 to 138.72
			6.02	150mm dia plain pipe from 138.72 to 144.78M
50.40		CLAY	6.06	
			6.06	
		MEDIUM SAND	6.03	
62.17			6.02	
		CLAY	3.00	
			6.07	
72.31		MEDIUM SAND		
		CLAY		
82.54				
		MEDIUM SAND	6.07	
90.21				
		CLAY		
100.33				
		MEDIUM SAND	6.37	
104.21			5.00	
		CLAY		
106.33				
		MEDIUM SAND	3.07	
104.21				
		CLAY	6.07	
117.31			1.80	
		MEDIUM SAND	6.07	
124.44				
		CLAY		
132.18				
		MEDIUM SAND	6.07	
140.33			3.02	
		CLAY		
		MEDIUM SAND	6.07	
		CLAY	6.06	
			0	
165				

300 mm Dia housing pipe to 37.48 M
 300 x150mm reducer from 37.48 M to 37.68 M
 150mm dia plain pipe from 37.68 M to 83.04 M
 150mm dia slotted pipe from 83.04 M to 89.11 M
 150mm dia plain pipe from 89.11 M to 100.48 M
 150mm dia slotted pipe from 100.48 M to 103.55 M
 150mm dia plain pipe from 103.55 M to 117.49 M
 150mm dia slotted pipe from 117.49 M to 123.56 M
 150mm dia plain pipe from 123.56 M to 132.65 M
 150mm dia slotted pipe from 132.65 to 138.72
 150mm dia plain pipe from 138.72 to 144.78M

ABSTRACT
 Date of Lowering- 09.06.22
 LPM- 700
 Drilling Depth-165 M
 Assembly Lowered-145.28M
 Housing Pipe- 37.48M
 Plain Pipe- 85.82M
 Slotted Pipe- 21.28M
 Reducer- 0.2 M

LOGGING REPORT
 Date of Logging- 06.06.22
 Logging Depth- 165M
 28-38 = 10
 43-50 = 7
 62-72 = 10
 82-90 = 8
 100-104 = 4
 117-124 = 7
 132-140 = 8



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T.I.

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J.E.

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A.E.

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E.E.