



# Aqua Xplore

(Groundwater Assessment & Allied Services)

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

Ref. 903 - M / AX - 2022

Date 03.09.2022

## Geophysical Borehole Logging Report

Name of the site : Mahukawa Khurd, Block – Dumariyaganj

District : Siddharth Nagar

Date : 03.09.2022

Depth logged : 161.0 mbgl

Depth drilled : 165.0 mbgl – as reported

Logger use : Robertson 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>	25.0—38.0	13.0	Good all
<del>2</del>	46.0—60.0	14.0	
③	64.0—71.0	7.0	
<del>4</del>	87.0—97.0	10.0	
<del>5</del>	102.0—108.0	6.0	
<del>6</del>	122.0—129.0	7.0	
<del>7</del>	138.0—154.0	16.0	

Note. All zones are intermixed with fine bands of kankar. Sl. No. 3 is highly intermixed with kankar.

*Daul*

for Aqua Xplore

To

M/S Megha Engineering & Infrastructure Limited  
Hyderabad

Verified as per  
logs provided.

*G. S. Ch*  
ASSISTANT HYDROGEOLOGIST  
CIRCLE OFFICE (E/M)  
U. P. JAL NIGAM (RURAL)  
PRAYAGRAJ

Cover Agreement No. :-

Name of District:-

Scheme Name:- Mahokawa

Name of Activity :-

Block Name:- Domariganj

Depth B.G.L.Meter	Boring Chart	Strata	Executed Assembly	ASSEMBLY DETAILS
				200 mm Dia housing pipe to 35.53 M
				200 x150mm reducer from 35.53 M to 35.73 M
25.0		CLAY	6.01	150mm dia plain pipe from 35.73 M to 89.87 M
			6.00	150mm dia slotted pipe from 89.87 M to 95.88 M
			6.01	150mm dia plain pipe from 95.88 M to 122.5 M
			6.00	150mm dia slotted pipe from 122.5 M to 128.5 M
38.0		m.s 35.53	6.00	150mm dia plain pipe from 128.5 M to 139.01 M
			6.01	150mm dia slotted pipe from 139.01 M to 145.02 M
		CLAY 35.73	6.02	150mm dia plain pipe from 145.02 M to 148.48 M
46.0		CLAY	6.01	
		Medium sand	6.01	
60.0		CLAY	6.02	
64.0		medium sand	6.01	
71.0		CLAY	6.02	
87.0		CLAY	6.01	
		Medium sand	6.02	
97.0		CLAY 95.88	6.01	
102.0		medium sand	6.02	
108.0		CLAY	2.55	
122.0		CLAY 122.5	6.01	
		medium sand 128.5	6.02	
129.0		CLAY	6.01	
138.0		CLAY 139.01	4.50	
		Medium sand 145.02	6.01	
154.0		CLAY 148.48	3.46	
161.0		CLAY	1	
165.0		Sandy clay		
				<b>ASSEMBLY DETAILS</b>
				Total Assembly- 148.48 M+AGL 0.5= 148.98M
				<b>ABSTRACT</b>
				Date of Lowering-
				LPM- 450 LPM
				Drilling Depth- 165.54 M
				Assembly Lowered- 148.48M
				Housing Pipe- 36.53 M
				Plain Pipe- 94.73 M
				Slotted Pipe- 18.02 M
				Reducer- 0.2 M
				<b>LOGGING REPORT</b>
				Date of Logging-
				Logging Depth- 161 M
				25.0 - 38.0 = 13
				46.0 - 60.0 = 14
				64.0 - 71.0 = 7
				87.0 - 97.0 = 10
				102.0 - 108.0 = 6
				122.0 - 129.0 = 7
				138.0 - 154 = 16



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TPI

J.E.

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A.E.

E.E.