

Aqua Xplore

(Groundwater Assessment & Allied Services)

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

Ref. 217 - S / AX - 2022

Date 17.02.2022

Geophysical Borehole Logging Report

Name of the site : Supauli, Block – Khesraha

District : Siddharth Nagar

Date : 17.02.2022

Depth logged : 164.0 mbgl

Depth drilled : 165.0 mbgl – as reported

Logged by : Aqua Xplore

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----32.0	8.0	Good all
2	56.0----68.0	12.0	
3	72.0----82.0	10.0	
4	94.0----98.0	4.0	
5	102.0----106.0	4.0	
⑥	110.0----116.0	6.0	
7	146.0----152.0	6.0	

Note. Sl.No. 4 is fine sand and Sl.No. 6 is intermixed with kankar.

Dev

for Aqua Xplore

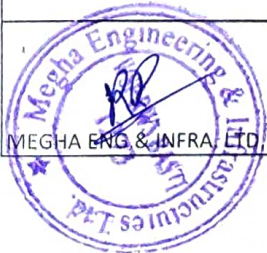
To

M/S Megha Engineering & Infrastructure Limited
Hyderabad

Verified as per logs provided.
Note - Sr No 2-58-68 should consider
Sr No 6- is highly intermix with kankar, should be avoided.

ASSISTANT HYDROGEOLOGIST
YANTRIK MANDAL
U.P. JAL NIGAM (RURAL)
PRAYAGRAJ

Depth B.G.L.	Boring Chart	Strata	Executed Assembly.	ASSEMBLY DETAILS
24.32M		CLAY	6.02	200 mm Dia housing pipe to 35.67M
32.16M		MEDIUM SAND	6.03	200 x 150mm reducer from 35.67 M to 35.87 M
56.08M		CLAY	6.03	150mm dia plain pipe from 35.87 M to 58.42 M
68.40M		MEDIUM SAND	6.03	150mm dia slotted pipe from 58.42 M to 67.47 M
72.31M		CLAY	6.03	150mm dia plain pipe from 67.47 M to 73.49 M
82.34M		MEDIUM SAND	6.03	150mm dia slotted pipe from 73.49 M to 79.53 M
94.11M		CLAY	6.03	150mm dia plain pipe from 79.53 M to 102.50 M
98.26M		FINESAND	6.01	150mm dia slotted pipe from 102.50 M to 105.5 M
102.31M		CLAY	6.04	150mm dia plain pipe from 105.50 M to 111.53 M
106.21M		MEDIUM SAND	6.00	total assembly- 111.53 M+AGL 0.5= 112.03 M
110.42M		CLAY	4.50	
116.08M		MEDIUM SAND	11.11	ABSTRACT
146.31M		CLAY	11.11	Date of Lowering-
152.21M		MEDIUM SAND	3.02	LPM- 500 LPM
165M		CLAY	6.02	Drilling Depth- 165 M
			6.02	Assembly Lowered- 112.03 M
			6.01	Housing Pipe- 36.17 M
			6.01	Plain Pipe- 57.57 M
			6.00	Slotted Pipe- 18.09 M
			4.95	Reducer- 0.2 M
			3.0	
			6.03	LOGGING REPORT
			0	Date of Logging- 17-2-22
				Logging Depth- 164M
				24-32 = 8
				56-68 = 12
				72-82 = 10
				94-98 = 4
				102-106 = 4
				110-116 = 6
				146-152 = 6



M. Jain
TPI

AKM
J.E.

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E.E.