



Aqua Xplore

(Groundwater Assessment & Allied Services)

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

Ref. 523 - N / AX - 2022 Date 23.05.2022

Geophysical Borehole Logging Report

Name of the site : Nagchauri, Block – Khuniyaon
District : Siddharth Nagar
Date : 23.05.2022
Depth logged : 160.0 mbgl
Depth drilled : 165.0 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	16.0–30.0	14.0	Good all
2	42.0–58.0	16.0	
3	70.0–85.0	15.0	
4	94.0–102.0	8.0	
5	112.0–122.0	10.0	
6	130.0–144.0	14.0	
7	150.0–157.0	7.0	

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

for Aqua Xplore

To
M/S Megha Engineering & Infrastructure Limited
Hyderabad

Dev
Verified as per
logs provided.
ASSISTANT HYDROGEOLOGIST
24/05/22



Megha Engineering & Infrastructures Limited

MEGHA ENGINEERING & INFRASTRUCTURES LIMITED

WSP RWS BASTI-1273 (SIDDHARTH NAGAR)

STRATA CHART



Cover Agreement No. :-

Name of District:- Siddharth Nagar

Scheme Name:- Nagchauni

Name of Activity :-

Block Name:- Khuniyaon

Depth B.G.L.Meter	Boring Chart	Strata	Executed Assembly	ASSEMBLY DETAILS
16.0		Clay	6.42	300mm Dia housing pipe to 44.45M
30.0		medium sand	6.42	300x150mm reducer from 44.45 M to 44.65 M
42.0		Clay	6.42	150mm dia plain pipe from 44.65 M to 71.65 M
44.45		Medium sand	6.42	150mm dia slotted pipe from 71.65 M to 83.65 M
58.0		CLAY	6.42	150mm dia plain pipe from 83.65 M to 95.45 M
70.0		Medium sand	6.42	150mm dia slotted pipe from 95.45 M to 101.45 M
71.65		CLAY	6.00	150mm dia plain pipe from 101.45 M to 113.45 M
83.65		Medium sand	6.00	150mm dia slotted pipe from 113.45 M to 119.45 M
85.0		CLAY	3.00	150mm dia plain pipe from 119.45 M to 131.45 M
94.0		Medium sand	6.00	131.45 m to 137.45 m
95.45		CLAY	6.00	137.45 m to 143.45 m
101.45		medium sand	6.00	Total Assembly-143.45M+AGL 0.5=143.95M
102.0		CLAY	6.00	ABSTRACT
112.0		medium sand	6.00	Date of Lowering- 05/09/2022
113.45		CLAY	6.00	LPM- 850LPM
119.45		medium sand	6.00	Drilling Depth- 165 M
122.0		CLAY	6.00	Assembly Lowered-143.95M
130.0		medium sand	6.00	Housing Pipe- 49.45 M
131.45		CLAY	6.00	Plain Pipe- 68.80 M
137.45		medium sand	6.00	Slotted Pipe- 30.0 M
143.45		CLAY	6.00	Reducer- 0.2 M
144.0		Medium sand	6.00	LOGGING REPORT
150.0		CLAY	6.00	Date of Logging- 04/09/2022
157.0		Sandy clay	6.00	Logging Depth- 160.0 M
165.0				16.0 - 30.0 = 14.0
				42.0 - 58.0 = 16.0
				70.0 - 85.0 = 15.0
				94.0 - 102.0 = 8.0
				112.0 - 122.0 = 10.0
				130.0 - 144.0 = 14.0
				150.0 - 157.0 = 7.0



M. Jain
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