



Aqua Xplore

(Groundwater Assessment & Allied Services)

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

Ref. 606 - T / AX - 2022

Date 06.06.2022

Geophysical Borehole Logging Report

Name of the site : Teknar, Block - Soharatgarh

District : Siddharth Nagar

Date : 06.06.2022

Depth logged : 199.0 mbgl

Depth drilled : 200.0 mbgl - as reported

Logged by : Aqua Xplore Robertson

Presence : Er. A. K. Maurya, J.E., Mr. Anoop Deep, TPI & 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---30.0	6.0	Good all
2	55.0---62.0	7.0	
3	67.0---72.0	5.0	
4	74.0---80.0	6.0	
5	118.0---128.0	10.0	
6	145.0---150.0	5.0	
7	163.0---176.0	13.0	
8	184.0---194.0	10.0	

Note. All zones are intermixed with kankar.

for Aqua Xplore

To

M/S Megha Engineering & Infrastructure Limited
Hyderabad

Verified as per
logs provided.

G. S. L. GEOLOGIST
UP. JAL NIGAM (MURAI)

Depth B.G.L.	Boring Chart	Strata	Executed Assembly	ASSEMBLY DETAILS
			+0.50 AGL	200 mm Dia housing pipe to 35.76 M
				200 x150mm reducer from 35.76 M to 35.96 M
				150mm dia plain pipe from 35.96 M to 68.53 M
				150mm dia slotted pipe from 68.53 M to 71.53 M
				150mm dia plain pipe from 71.53 M to 74.53 M
				150mm dia slotted pipe from 74.53 M to 79.60 M
				150mm dia plain pipe from 79.60 M to 118.44 M
				150mm dia slotted pipe from 118.44 M to 127.58 M
				150mm dia plain pipe from 127.58 M to 133.69 M
				total assembly- 133.69 M+AGL 0.5= 134.19 M
				ABSTRACT
				Date of Lowering- 10.06.22
				LPM- 450 LPM
				Drilling Depth- 198 M
				Assembly Lowered- 134.19 M
				Housing Pipe- 36.26 M
				Plain Pipe- 80.52 M
				Slotted Pipe- 17.21 M
				Reducer- 0.20 M
				LOGGING REPORT
				Date of Logging- 06.06.22
				Logging Depth- 199 M
				24-30 = 6
				55-62 = 7
				67-72 = 5
				74-80 = 6
				118-128 = 10
				145-150 = 5
				163-176 = 13
				184-194 = 10
24.12		CLAY	6.03	
			6.03	
			6.08	
			6.06	
			6.03	
			6.03	35.76
			0.20	
30.22		MEDIUM SAND		
			6.08	35.96
			6.08	
			6.08	
			6.07	
			2.20	
55.31		MEDIUM SAND		
			6.06	
62.27		CLAY		
			" " "	68.53
			" " "	
			" " "	71.53
74.71		MEDIUM SAND 3.00		
			3.00	
			" " "	74.53
			" " "	
			" " "	79.60
			" " "	
			" " "	5.07
			" " "	79.60
80.31		MEDIUM SAND		
			6.11	
			6.12	
			6.02	
			6.12	
			6.05	
			2.30	
			6.12	118.44
118.06		CLAY		
			" " "	6.07
			" " "	
			" " "	3.07
			" " "	127.58
128.21		MEDIUM SAND		
			6.11	
			0	133.69
145.33		CLAY		
150.17		MEDIUM SAND		
163.21		CLAY		
176.11		MEDIUM SAND		
184.21		CLAY		
194.15		MEDIUM SAND		
198		CLAY		