

NABL Accreditation:- ISO/IEC 17025:2017, TC-16904	Issue Date: 10/10/2025 Validity: 09/10/2029
Certification Standards:- ISO 45001: 2018, OHS-5241	Issue Date: 20/02/2024 Validity: 25/02/2027
MoEF Recognition: Legal 42(3)/87	Issue Date: 17/05/2021 Validity: 16/05/2026

Test Report No.: MPCB/CLab/Environment/25-26/01/68-A	Date: 18/01/2026 09:41 AM
ULR No.: TC-169042600000257F	

Test Report-Water (Environment)

Field Sample ID	BR-0106020		
Sample collected by (Officer Name)	FO-Bhivandi(Mrs. Dipali Tambe) (SRO-Bhivandi)	Location of sample collection	-
Seal No.:	208	Method of sample collection	Grab
Sample Collection	Date	05/01/2026	Total No. of Containers
	Time	03:30 PM	Nature/Description of Sample
			1
			Lake

Lab ID	MPCB/CLab/ENV/25-26/640		Sample condition	-
Received by lab	Date	06/01/2026	Analysis Started On	06/01/2026 06:43 PM
	Time	02:50 PM	Analysis Completed On	18/01/2026 09:40 AM
Sample received by (Name & Designation)	Dr P D Khadkikar (Senior Scientific Officer)			

Sr.No	Parameter	Results	Unit	Test Method
1	pH@25 degree C	7.6		APHA 24th Edition 4500-H+B, Pg. No. 473-478: 2023
2	Conductivity	157.5	microsiemens/cm (us/cm)	APHA24 thEdition 2510-B, Page No. 134-135: 2023
3	Suspended Solids (SS) @105 degree C	18.0	mg/l	APHA 24th Edition 2540-D, Pg. No. 146-147: 2023
4	Turbidity	0.61	NTU	APHA 24th Edition 2130-B, Pg. No. 89-91: 2023
5	Biochemical Oxygen Demand (BOD) 3 days at 27 degree C	4.6	mg/l	IS 3025 (Part 44):2023
6	Chloride	14.00	mg/l	APHA 24th Edition 4500-Cl- B, Pg. No. 340-341: 2023
7	Chemical Oxygen Demand (COD)	32.0	mg/l	APHA 24th Edition 5220B Page No.544, 545: 2023
8	Dissolved Oxygen	5.8	mg/l	IS 3025 (Part38) :1989 Reaffirmed 2014 Reaffirmed 2019

Sr.No	Parameter	Results	Unit	Test Method
9	Hardness (calcium)	32.00	mg/l	APHA 24th Edition 3500-CaB, Pg. No.254-255: 2023
10	Hardness (total)	48.00	mg/l	APHA 24th Edition 2340-C, Pg. No. 124-126: 2023
11	Hardness (Magnesium)	16.00	mg/l	APHA 24th Edition 3500-MgB, Pg. No.274: 2023

Remarks: Sample Received to Central Laboratory in Non-Preserved condition, it is strongly recommended to submit the samples in preserved conditions as per APHA Guidelines to maintain integrity of samples.

Approved & Reviewed By

Dr P D Khadkikar
Senior Scientific Officer,
I/c Central Laboratory,
MPCB, Navi Mumbai. (Authorized
Signatory)

Note :

1. The results refer to the samples and parameters requested for analysis.
2. Abbreviations: - BDL=Below Detectable limit, N.D.=Not Detected, N.A.= Not Analyzed
3. The Contents of this Report shall not be reproduced in part or in full without written approval of laboratory.

Report Outward No.: MPCB/CLab/Environment/25-26/01/68-B

Date: 18/01/2026 09:41 AM

Client/Industry/Location Name & Address

Tap Water at Varhaladevi Lake

Analysis Report-Water (Environment)

Sample Details

Field Sample ID :	BR-0106020
Laboratory Sample Code :	MPCB/CLab/ENV/25-26/640
Sample Details (Water/Air/HW) :	Water
Sampling Method(s) :	Grab
Sample Volume Received :	1
Sample Collected By :	FO-Bhivandi(Mrs. Dipali Tambe) (SRO-Bhivandi)
Seal No. :	208
Type of Industry / Location details :	
Sample Collected On :	Jan 5 2026 03:30:00:00PM

Sr.No	Parameter	Result	Unit	Method of analysis
1	Total Dissolved Solids(TDS)	136.0	mg/l	APHA 24th Edition 2540-C, Page No. 145: 2023
2	Total Alkalinity	60.0	mg/l	
3	Ammonical Nitrogen	0.14	mg/l	
4	Nitrate Nitrogen	0.18	mg/l	
5	Phosphate (total)	BDL	mg/l	
6	Sulphate	7.47	mg/l	APHA 24th Edition 4500-SO ₄ E (Turbidimetric Method)
7	Faecal Coliform (MPN technique)	170.0	MPN/100 ml	APHA 24th Edition 9221 E (Std. Thermotolerant (Fecal) Coliform Procedure)
8	Total Coliform (MPN technique)	1600.0	MPN/100ml	APHA 24th Edition 3111B (Direct Air-Acetylene Flame Method)
9	Nitrite Nitrogen	BDL	mg/l	

Remark: Sample Received to Central Laboratory in Non-Preserved condition, it is strongly recommended to submit the samples in preserved conditions as per APHA Guidelines to maintain integrity of samples.

Report Type: final

Report generated on: 18/01/2026 09:41 AM

Complied by: Sharmila Bhirud

Approved by: Dr P D Khadkikar

Reviewed on Date: 18/01/2026 09:41 AM

Reviewed by: Dr P D Khadkikar

Dr P D Khadkikar
Senior Scientific Officer,
I/c Central Laboratory,
MPCB, Navi Mumbai.
(Authorized Signatory)

* Electronic report does not require signature

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*** End of the Report ***