

**IN THE NATIONAL GREEN TRIBUNAL**  
SOUTHERN ZONE, KALAS MAHAL, CHENNAI  
**OA 174/2023 (SZ)**

**IN THE MATTER OF:**

Suo Motu Fissh Kill At Lingambudhi ... .. APPLICANT  
Lake In Mysuru

VERSUS

Central Pollution Control Board and  
Ors ...RESPONDENTS

**Previous D.o.H: 14.11.2024**

**Next D.o.H: 17.01.2025**

**I N D E X**

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**MUKESH KUMAR**

Advocate for Respondent no. 4 KSPCB

***Lex Regula LLP***

R/o 33/19 Rajpur Road, Civil Lines

DELHI – 110054

Email: [LexRegula@gmail.com](mailto:LexRegula@gmail.com)

Mobile: +91-9211059000

Place: NEW DELHI

Date: 04.01.2025

**IN THE NATIONAL GREEN TRIBUNAL**  
SOUTHERN ZONE, KALAS MAHAL, CHENNAI  
**OA 174/2023 (SZ)**

**IN THE MATTER OF:**

Suo Motu Fish Kill At Lingambudhi ... .. APPLICANT  
Lake In Mysuru

VERSUS

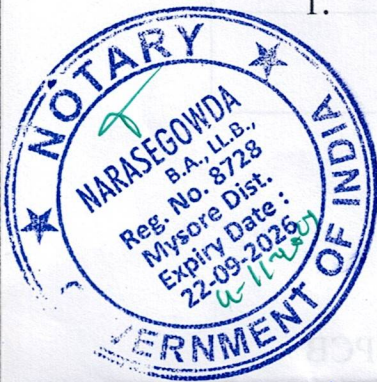
Central Pollution Control Board and Ors ...RESPONDENTS

**AFFIDAVIT ON ACTION TAKEN REPORT ON  
BEHALF OF THE RESPONDENT NO. 4 KSPCB**

I, Rajashekar S, son of Late Singaiah, aged about 58 years, currently working as Senior Environmental Officer, Karnataka State Pollution Control Board (KSPCB), Hebbal Industrial area, Mysore, do hereby solemnly affirm and declare as under:-

1. That the deponent is working with Respondent no. 4 KSPCB, and as such, I am well conversant with the facts and circumstances of the present case on the basis of the information derived from the official records, and hence, I am competent and authorized to verify, sign and swear this affidavit on behalf of the Respondent no. 4 KSPCB.

2. That on directions of this Hon'ble Green Tribunal vide Order dated 03.09.2024, the deponent is filing the Report dated 03.10.2024 on behalf of the answering respondent no. 4 KSPCB, based on the action taken by the officials of the answering respondent no. 4 KSPCB, copy of the said report dated 03.10.2024 is placed as **ANNEXURE: R4-1** herein



4 JAN 2025

No OF CORRECTIONS : *Nst* .....

*R. S. S.*

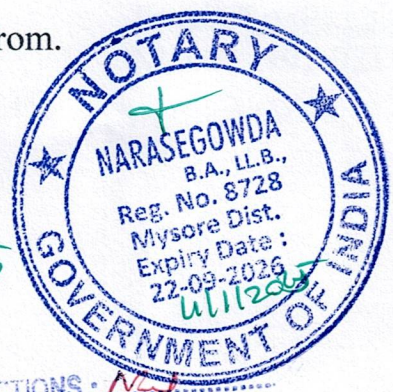
3. That in the mean time further report is prepared on 03.01.2025, copy thereof is also placed as ANNEXURE: R4-2 herein.
4. That it is respectfully submitted that the answering respondent no. 4 KSPCB will be obliged to provide any additional information or further report if so directed by this Hon'ble Tribunal and hereby submit this affidavit for kind consideration.
5. That I have read and understood the contents of the accompanying report. The same has been drafted by the officials of the answering respondent no. 4 KSPCB and the contents therein are true and correct as per the official records made available to me and same has been understood by me.
6. That the contents of the accompanying Report is true copy of its original along with the English translation of the Kannada pages therein, which may be read as part and parcel of this affidavit and the same are not repeated herein for the sake of brevity.

**VERIFICATION:**

Verified at Mysore on this 04<sup>th</sup> January 2025 that the contents of the above Affidavit are true and correct on the basis of my knowledge and official documents. No part of it is false and nothing material has been concealed therefrom.

*S. D. Shiv*  
**DEPONENT**  
 Senior Environmental Officer  
 Karnataka State Pollution Control Board  
 Zonal Office Mysuru

Solemnly Affirmed & Declared  
 Before me on... 4 JAN 2025  
*Narasegowda* 4/1/2025  
 Notary, Mysore Dist.



*S. D. Shiv*  
**DEPONENT**  
 Senior Environmental Officer  
 Karnataka State Pollution Control Board  
 Zonal Office Mysuru



## KARNATAKA STATE POLLUTION CONTROL BOARD

### ಕರ್ನಾಟಕ ರಾಜ್ಯ ಮಾಲಿನ್ಯ ನಿಯಂತ್ರಣ ಮಂಡಳಿ

Zonal Office : 436-D,  
Hebbal Industrial Area, K. R. S. Road,  
Metagalli, MYSORE - 570 016

ಕಛೇರಿ : ಪ್ಲಾಟ್ ನಂ. 436-ಡಿ,  
ಹೆಬ್ಬಾಳ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶ, ಕೆ.ಆರ್.ಎಸ್.ರಸ್ತೆ,  
ಮೇಟಗಟ್ಟಿ, ಮೈಸೂರು - 570 016

Ref. : ಸಂಖ್ಯೆ: ಮಾನಿಮಂ/ಪಅ/ವ.ಕ(ಮೈ)/2024-25

213

Date : 03/10/24

ಇವರಿಗೆ

ಸದಸ್ಯ ಕಾರ್ಯದರ್ಶಿಗಳು,  
ಕರಾಮಾನಿಮಂ  
ಬೆಂಗಳೂರು

// ವಿಶೇಷ ಗಮನ: ಕಾನೂನು ಅಧಿಕಾರಿ - ಎನ್.ಬಿ.ಟಿ. ಕೋಶ //

ಮಾನ್ಯರೇ,

ವಿಷಯ: ರಾಷ್ಟ್ರೀಯ ಹಸಿರು ನ್ಯಾಯ ಮಂಡಳಿಯ ಆದೇಶದಂತೆ ಲಿಂಗಾಬುದಿ ಕಿರಿಯಲ್ಲಿ ಮೀನುಗಳ ಸಾವಿನ ಕುರಿತಾದ ವರದಿ ಮತ್ತು ಪರಿಹಾರಾತ್ಮಕ ಕ್ರಮಗಳ ಬಗ್ಗೆ ವರದಿ ಸಲ್ಲಿಸುವ ಕುರಿತು.

- ಉಲ್ಲೇಖ: 1) ರಾಷ್ಟ್ರೀಯ ಹಸಿರು ನ್ಯಾಯ ಮಂಡಳಿ, ಪ್ರಧಾನ ಪೀಠ, ನವ ದೆಹಲಿ, ಮೂಲ ಅರ್ಜಿ ಸಂಖ್ಯೆ: 541/2023  
2) ರಾಷ್ಟ್ರೀಯ ಹಸಿರು ನ್ಯಾಯ ಮಂಡಳಿ, ದಕ್ಷಿಣ ವಲಯ, ಚೆನ್ನೈ, ಮೂಲ ಅರ್ಜಿ ಸಂಖ್ಯೆ: 174/2023 (Earlier OA No. 541 of 2023 (PB))  
3) ಜಂಟಿ ಸಮಿತಿಯ ವರದಿಯನ್ನು ಮಂಡಳಿಯ ಕೇಂದ್ರ ಕಚೇರಿಗೆ ಸಲ್ಲಿಸಿದ ದಿ 08-01-2024  
4) ಈ ಕಛೇರಿ ಪತ್ರ ಸಂಖ್ಯೆ: 101 ದಿನಾಂಕ 10-07-2024  
5) ಈ ಕಛೇರಿ ಪತ್ರ ಸಂಖ್ಯೆ: 109 ದಿನಾಂಕ 20-07-2024  
~~~~~

ಮೇಲ್ಕಂಡ ವಿಷಯಕ್ಕೆ ಸಂಬಂಧಿಸಿದಂತೆ, ದಿನಾಂಕ 28-08-2023 ರಂದು ಮೈಸೂರು ನಗರದ ಲಿಂಗಾಬುದಿ ಕಿರಿಯಲ್ಲಿ ಸಾವಿರಾರು ಮೀನುಗಳು ಮರಣ ಹೊಂದಿದ ಪ್ರಕರಣಕ್ಕೆ ಸಂಬಂಧಿಸಿದಂತೆ ಉಲ್ಲೇಖ (1)ರ ಪತ್ರದಲ್ಲಿ ರಾಷ್ಟ್ರೀಯ ಹಸಿರು ನ್ಯಾಯ ಮಂಡಳಿ, ಪ್ರಧಾನ ಪೀಠ, ನವ ದೆಹಲಿ ಇವರು ಸ್ವಯಂ ಪ್ರೇರಿತ ಪ್ರಕರಣ ಸಂಖ್ಯೆ: 541/2023 ದಿನಾಂಕ 05-09-2023 ರಂದು ದಾಖಲಿಸಿ, ಸದರಿ ಪ್ರಕರಣದ ಕುರಿತು ವರದಿಯನ್ನು ಸಲ್ಲಿಸಲು ಜಂಟಿ ಸಮಿತಿಯನ್ನು ರಚಿಸಿರುತ್ತಾರೆ. ಜಂಟಿ ಸಮಿತಿಯ ವರದಿಯನ್ನು ಮಂಡಳಿಗೆ ಮತ್ತು ರಾಷ್ಟ್ರೀಯ ಹಸಿರು ನ್ಯಾಯ ಮಂಡಳಿ, ದಕ್ಷಿಣ ವಲಯ, ಚೆನ್ನೈ ಇವರಿಗೆ ಸಲ್ಲಿಸಲಾಗಿರುತ್ತದೆ.

ಉಲ್ಲೇಖ ಪತ್ರ (4) ಮತ್ತು (5)ರಲ್ಲಿ ಮೈಸೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ, ಮೈಸೂರು ಇವರಿಗೆ ಪ್ರಸ್ತಾವಿತ ಕ್ರಿಯಾ ಯೋಜನೆಯ ಇತ್ತೀಚಿನ ಸ್ಥಿತಿಗತಿಗಳ ವಿವರವನ್ನು ಸಲ್ಲಿಸುವಂತೆ ತಿಳಿಸಲಾಗಿರುತ್ತದೆ. ಮುಂದುವರೆದು, ಅರಣ್ಯ ಇಲಾಖೆ ಮತ್ತು ಮೈಸೂರು ನಗರಾಭಿವೃದ್ಧಿ ಪ್ರಾಧಿಕಾರ, ಮೈಸೂರು ರವರು ಪ್ರಸ್ತಾವಿತ ಕ್ರಿಯಾ ಯೋಜನೆಯ ಇತ್ತೀಚಿನ ಸ್ಥಿತಿಗತಿಗಳ ವಿವರವನ್ನು ನಿಗದಿತ ನಮೂನೆಯಲ್ಲಿ ಭರ್ತಿ ಮಾಡಿ ಮಂಡಳಿಗೆ ಸಲ್ಲಿಸಿರುತ್ತಾರೆ. ಸದರಿ ವಿವರವನ್ನು ಈ ಪತ್ರದೊಂದಿಗೆ ಲಗತ್ತಿಸಿ ಮುಂದಿನ ಕ್ರಮಕ್ಕಾಗಿ ಸಲ್ಲಿಸಲಾಗಿದೆ.

ಅಡಕ: ಮೇಲ್ಕಂಡಂತೆ

ತಮ್ಮ ವಿಶ್ವಾಸಿ,  
ಸಹಿ/-

ಹಿರಿಯ ಪರಿಸರ ಅಧಿಕಾರಿ  
ವಲಯ ಕಛೇರಿ, ಮೈಸೂರು

ಪ್ರತಿಯನ್ನು:

- 1) ಉಪ ಅರಣ್ಯ ಸಂರಕ್ಷಣಾಧಿಕಾರಿ, ಅರಣ್ಯ ಇಲಾಖೆ, ಮೈಸೂರು ಇವರ ಮಾಹಿತಿಗಾಗಿ,
- 2) ಆಯುಕ್ತರು, ಮೈಸೂರು ನಗರಾಭಿವೃದ್ಧಿ ಪ್ರಾಧಿಕಾರ, ಮೈಸೂರು ಇವರ ಮಾಹಿತಿಗಾಗಿ
- 3) ಆಯುಕ್ತರು, ಮೈಸೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ, ಮೈಸೂರು ಇವರ ಮಾಹಿತಿಗಾಗಿ.
- 4) ಕಛೇರಿ ಕಡತ

ಹಿರಿಯ ಪರಿಸರ ಅಧಿಕಾರಿ  
ವಲಯ ಕಛೇರಿ, ಮೈಸೂರು

**ENGLISH TRUE TRANSLATION OF PREVIOUS PAGE**

e-mail: [seomys@kspcb.gov.in](mailto:seomys@kspcb.gov.in)  
web: <http://kspcb@kar.nic.in>

Tel: 0821-2511501  
Fax:0821-2519411

**KARNATAKA STATE POLLUTION CONTROL BOARD**

Zonal Office: Plot NO.436-D,  
Hebbal Industrial Area, K.R.S. Road,  
Metagalli, Mysore – 570 016.

No.PCB/EO/ZO(My)/2024-25/213

Dated: 03.10.2024

**To:**

The Member Secretary,  
Karnataka State Pollution Control Board,  
Bengaluru

// **Special Attention: Legal Officer - N.G.T. Cell** //

Sir,

**Sub:** Submission of report with regard to the death of fish and about the remedial measures in Lingabudhi Lake as per the orders of the National Green Tribunal – regarding.

- Ref:**
- 1) Original Application No.541/2023 before the National Green Tribunal, Principal Bench, New Delhi.
  - 2) Original Application No.174/2023 (earlier OA No.541/2023 (PB)) before the National Green Tribunal, South Zone, Chennai.
  - 3) 08.01.2024 the date on which the Joint Committee Report was submitted to the Central Office.
  - 4) This office letter No.101 dated 10.07.2024.
  - 5) This office letter No.109 dated 20.07.2024.

\*\*\*\*\*

With reference to the subject above, the National Green Tribunal, Principal Bench, New Delhi in the letter under

reference (1) has registered a *suo moto* case bearing No.541/2023 on 05.09.2023 regarding the instance of the death of death of thousands of fishes in Lingabudhi Lake, Mysore City on 28.08.2023 and has constitute a a joint committee to submit a report on the said case. The report of the Joint Committee has been submitted to the Board and to the National Green Tribunal, South Zone, Chennai.

In the letters under reference (4) and (5), the Mysore City Corporation, Mysore has been informed to submit the details of the present status of the proposed action plan. Further, the Forest Department and the Mysore Urban Development Authority, Mysore have filled up the details of the present status of the proposed action plan in the prescribed form and submitted it to the Board. The said details are enclosed with this letter and submitted for further action.

Yours faithfully,

Encl: As above

Sd/-  
Senior Environmental Officer,  
Zonal Office, Mysore.

Copy to:

- 1) The Deputy Conservator of Forests, Forest Department, Mysore for information.
- 2) The Commissioner, Mysore Urban Development Authority, Mysore for information.
- 3) The Commissioner, Mysore City Corporation, Mysore for information.
- 4) Office file.

Sd/-  
Senior Environmental Officer,  
Zonal Office, Mysore.

**Action Taken Report on Lingabudhi lake with respect to OA No.174 of 2023 (SZ)/29.01.2024**

|   | Proposed Remedial measures                                                                                                                                                                                                                                                  | Proposed Time line for execution | Action taken report submitted by                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                |                                                                                                    |
|---|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|----------------------------------------------------------------------------------------------------|
|   |                                                                                                                                                                                                                                                                             |                                  | MUDA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Forest Department                                              | MCC                                                                                                |
| 1 | Rejuvenation of lake by introducing suitable local Fish species as a biological restoration                                                                                                                                                                                 |                                  | NA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Work in progress hatchlings will be released by this month end | MCC has not submitted the Action taken Report till date the same will be communicated to the Board |
| 2 | To monitor the Septic tank provided in 2 Private Layouts located at Western side of the tank and desludging the septic tank regularly as a short term plan. De-sludge water without allowing to over flow and join lake is proposed to transport and treated at MCC STP     | Within 6 months                  | At present there is no overflow from the septic tank provided in 2 private layouts located at western side of the tank. These 2 septic tanks will be monitored periodically, once there is overflow De-sludge water will be transported and treated at MCC STP.<br><br>Estimated Cost (Rs. In lakhs) 2480.00                                                                                                                                                                            | NA                                                             |                                                                                                    |
|   | a.Establishment of Decentralized treatment plant with provision to utilize the treated effluent for gardening (long term plan)<br><br>b.Connecting the sewer line to ADB main line of MCC located near the Lingambudhi tank and further treat in STP located at Rayanakere. | Within 2 years                   | In order to prevent the waste water coming from the development the surrounding areas to the Ayyajayanhudi and Kergalli lakes under the jurisdiction of the Mysore Urban Development Authority, be drainage pipes will provided next to these lakes and the waste water will be led to the sewage treatment plant.<br><br>Estimate has been submitted to Secretary, UD Dept for obtaining Administrative Approval vide letter No. MUDA/Z 7/Lake Development/2023-24<br>Dated:16.02.2024 | NA                                                             |                                                                                                    |
|   | To install environmentally friendly floating aerators / surface aerators / diffusers                                                                                                                                                                                        |                                  | NA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 2 no. aerators are installed march 2024                        |                                                                                                    |
|   | To place the                                                                                                                                                                                                                                                                | Within 6                         | Providing Screen Trap to Storm water                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                |                                                                                                    |

|                                                                                                                                                          |                 |                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                  |    |   |
|----------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|---|
| Screen chamber at suitable locations along the Raja Kaluvas for cleaning of sewers periodically.                                                         | months          | <p>Drain to stop solid waste to Lingambudhi Lake.</p> <p>Estimated Cost (Rs. In lakhs) 1.80</p> <p>Tender has been invited vide Tender Notification No.MUDA/SE/PB/TN 14/2023-24</p> <p>Dated 04.03.2024. None of the bidders have participated in the tender. Hence tender will be invited for 2nd call. The work will be taken up after the immediately award of contract within a period of 6 months</p> |                                                                                                                                                                                                                                                                                                                  | NA | 7 |
| Restoration of all natural storm water drains by interception and diversion of sewage to the existing nearby STPs or to the new STP of adequate capacity | Within one year | <p>1.Construction of storm water drain from Roopa nagar 27th cross junction to falcon factory employees layout, Kergalli village, Mysore Dist.</p> <p>Estimated Cost (Rs. In lakhs) 500.00</p>                                                                                                                                                                                                             | <p>For Sl. No. 1 to 4 been submitted to Secretary, UD Dept for obtaining Administrative Approval vide letter MUDA/SE/Lake Rejuvenation/2023-24 No.</p> <p>Dated 05.01.2024.</p> <p>As soon as administrative is accorded approval tender will be invited and the work will be taken up immediately after the</p> | NA |   |
|                                                                                                                                                          |                 | <p>2.Construction of storm water drain from Rishab siddi layout to Kergalli village, Mysore Dist.</p> <p>Estimated Cost (Rs. In lakhs) 500.00</p>                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                  | NA |   |
|                                                                                                                                                          |                 | <p>3.Construction of storm water from Abhyodaya drain apartment To Ashwathama layout Kergalli village, Mysore Dist</p>                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                  | NA |   |

|    |                                                                                       |  |                                                                                                                                                                                                  |                                                                                                                                                                                    |                                                |
|----|---------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|
|    |                                                                                       |  | Estimated Cost<br>(Rs. In lakhs)<br>500.00                                                                                                                                                       |                                                                                                                                                                                    |                                                |
|    |                                                                                       |  | 4. Construction<br>of storm water                                                                                                                                                                |                                                                                                                                                                                    | NA                                             |
|    |                                                                                       |  | 5. Providing out<br>fall missing link<br>sewer line from<br>Roopa nagar,<br>27" cross, road<br>junction Co<br>Kergalli, double<br>Mysore Dist.<br><br>Estimated Cost<br>(Rs. In lakhs)<br>100.00 | Estimate has<br>submitted to<br>KUWS & DB,<br>Mysuru Division<br>Mysuru. For<br>Technical Sanction.<br>As soon as<br>Technical Sanction<br>is obtained, Tender<br>will be invited. | NA                                             |
| 7  | Periodic<br>De-weeding using<br>mechanical<br>equipment                               |  | NA                                                                                                                                                                                               |                                                                                                                                                                                    | Carrying de<br>weeding<br>whenever<br>required |
| 8  | Provision of<br>Water Sports Like<br>Kayaking,<br>Peddling etc.,                      |  | NA                                                                                                                                                                                               |                                                                                                                                                                                    | Work Under<br>evaluation for<br>funds          |
| 9  | Periodic De-<br>sludging/De-<br>silting of lake to<br>enhance capacity<br>of the lake |  | NA                                                                                                                                                                                               |                                                                                                                                                                                    | Work under<br>evaluation                       |
| 10 | Measurement of<br>inflow at all the<br>drains<br>contributing to<br>flow              |  | NA                                                                                                                                                                                               |                                                                                                                                                                                    | Work under<br>evaluation                       |



## KARNATAKA STATE POLLUTION CONTROL BOARD

## ಕರ್ನಾಟಕ ರಾಜ್ಯ ಮಾಲಿನ್ಯ ನಿಯಂತ್ರಣ ಮಂಡಳಿ

9

Zonal Office : 436-D,  
Hebbal Industrial Area, K. R. S. Road,  
Metagalli, MYSORE - 570 016ಕಛೇರಿ : ಪ್ಲಾಟ್ ನಂ. 436-ಡಿ,  
ಹೆಬ್ಬಾಳ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶ, ಕೆ.ಆರ್.ಎಸ್.ರಸ್ತೆ,  
ಮೆಟಗಲ್ಳಿ, ಮೈಸೂರು - 570 016

Ref. : No: PCB/ZOM/06/2025-26/ | 322

Date : 03/01/25...

To,

The Member Secretary  
KSPCB,  
Bengaluru

Sir,

//Kind Attn: NGT Matter- Law officer, Legal Section//

**Sub:** Furnishing latest inspection report of KSPCB and interim action taken report on Lingambudhi Lake by KFD, MUDA & MCC in the matter of NGT OA NO No. 174 of 2023 (Earlier OA No. 541 of 2023(PB)) -Reg.

- Ref: 1. Original Application No. 174 of 2023 (Earlier OA No. 541 of 2023(PB)) before Hon'ble National Green Tribunal, Southern Zone, Chennai Order dated 24-11-2023.
2. Joint Committee report submission dated:
3. NGT date of hearing dated 03-09-2024, 04-10-2024 and 14-11-2024

With reference to the above as per the direction of Hon'ble NGT, the latest inspection reports along with corresponding analysis reports, photographs are herewith enclosed for kind reference. In addition the Karnataka Forest Department, Mysuru Urban Development Authority & Mysuru City Corporation have submitted the action plan report, copies of the same is herewith enclosed for kind reference.

This is for your kind perusal and further needful.

**Encl:** As above

Yours faithfully,

*S. R. R.*  
Senior Environmental Officer  
ZO, KSPCB, Mysuru

**Inspection Report of Lingabudhi Lake Prepared in Response to the Order of the National Green Tribunal (NGT) in Case Number 172 of 2023 (originally 541 of 2023 PB.)**

|                           |                                                                                                                                            |
|---------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Inspecting Officer</b> | Sri Rajasheekar, SEO, ZO, Mysuru.<br>Smt Jayalakshmi M J, EO (A/c), Municipal Waste Management and lake monitoring work, ZO, KSPCB, Mysore |
| <b>Location</b>           | Lingabudhi Lake, Unconnected sewage links in MCC and MUDA regions are causing pollution in the Lingabudhi lake.                            |
| <b>Date of Inspection</b> | 30-12-2024                                                                                                                                 |

**Preamble:**

1. Hon'ble National Green Tribunal (NGT), Principal Bench, New Delhi registered a suo-moto complaint in OA No: 541 of 2023 dated: 05.09.2023, based on the News item published in "The Hindu" dated 29.08.2023 titled, "FISH KILL AT LINGAMBUDHI LAKE IN MYSURU".
2. Hon'ble NGT vide its order dated 05.09.2023 formed a Joint Committee comprising of Member Secretary, Karnataka State Pollution Control Board (KSPCB), Member Secretary, Central Pollution Control Board (CPCB), Bangaluru Office and the District Magistrate, Mysuru. The District Magistrate, Mysuru will act as nodal agency for coordination and compliance. Vide order dated 05.09.2023.
3. As per the Hon'ble NGT directions committee visited the Lingambudhi Lake area and surrounding and has submit a **Report of technical committee on "Analysis of causes for Mass death of Fishes in Lingambudhi Lake and Remedial measures"** before the Tribunal
4. According to committee major highlights are below;
  - Rejuvenation of lake by introducing suitable local fish species as a biological restoration (**Action : Forest Department**)
  - Water quality assessment of upstream lakes and natural drains contributing to pollution under NWMP(**Action: KSPCB**)
  - Treating the sewage water before the entry point of the lake and then letting the water after removing the floating solids(**Action: MCC, MUDA**)
  - To install environmentally friendly floating aerators / surface aerators / diffusers (**Action : Forest Department**)
  - Provision of water sports like kayaking, peddling etc **Action : Forest Department**
  - To place the screen chamber at suitable locations along the Raja Kaluvas for cleaning of sewers periodically (**Action: MCC, MUDA**)
  - Periodic De-weeding using mechanical equipment (**Action : Forest Department**)
  - Periodic de-sludging/de-silting of lake to enhance capacity of the lake (**Action : Forest Department**)

- Measurement of inflow at all the drains contributing to flow( **Action : Forest Department**)
- Restoration of all natural storm water drains by interception and diversion of sewage to the existing nearby STPs or to the new STP of adequate capacity (**Action: MCC, MUDA**)

Further, the Lingabudhi lake was inspected on **30-12-2024** by officers of the Karnataka State Pollution Control Board along with Forest officials and Asst. Engineer, Mysore Urban Development Authority, following observations were made;

- Lingambudhi lake is located at Mysuru City Sy. No. Survey Numbers-23 of Lingambudhi village, 82 of Dattagalli and 11 of Ayyajayyanahundi coming under Mysuru City Corporation , Mysuru District. Lingambudhi lake is falls in Cauvery river basin is under control of Department of Forest, Government of Karnataka. The total area of the Lingambudi lake is 216 acres and 23 guntas.
- The Lingambudi lake is having 05 inflow drains there inlet are carrying the rain water along with sewage from Mysuru City Corporation and MUDA limits.
- The Lingambudi lake is having 01 outflow weirs at southern side of the Lingambudi lake. The overflow through the said outflow weirs is flowing through to natural nalla and ultimately enter to Dadadahalli lake (Yennehole Lake).
- Sewage and Sullage effluent generating from Dattagalli and other Residential Layouts of Mysore City Corporation limits entering into storm water drain through missing links of UGD and leading in to Lingambudhi Lake, Grab sample of the drain water was collected near SA-RA Mahesh Convention Hall (N-12<sup>0</sup>27' 96.44", E-76<sup>0</sup> 61' 01.83") and also near Kautilya School (N-12<sup>0</sup>27' 69.45", E-76<sup>0</sup> 61' 04.65") located towards Northern side of Lingambudhi Lake. The sample submitted to the laboratory for analysis and reports are awaited
- The sewage and Sullage effluent generating from Ramakrishnanagar and other Residential Layouts coming under MCC limits entering into storm water drain through missing links of UGD and leading in to Lingambudhi Lake towards Eastern side, the Grab sample was collected near Horticulture dept Nursery (N-12<sup>0</sup>27' 20.66", E-76<sup>0</sup> 61' 77.76"). The sample submitted to the laboratory for analysis and reports are awaited.
- The sewage and Sullage effluent generating from TP Srirampura, and other Private Karle layout and other Residential Layouts Septic tank and soak pit overflow entering into Lingambudi Lake through drain (South Eastern side of Lingambudi Lake), the Grab sample of the drain water was collected (N-12<sup>0</sup>27' 19.14", E-76<sup>0</sup> 60' 01.47"). The sample submitted to the laboratory for analysis and reports are awaited.
- The sewage and Sullage effluent generating from MUDA limits private layout (Kuvempu Gruha Nirmana Sahakara Sangha and other Residential Layouts) entering through missing links into the Lingambudhi Lake (South Western side of the lake),

the Grab sample was collected (N-12<sup>o</sup>27' 33.38", E-76<sup>o</sup> 60' 40.75"). The sample submitted to the laboratory for analysis and reports are awaited.

- There is a Ayyajayannhundi pond located in the upstream of lingabhudhi lake, overflow of the Ayyajayannhundi pond is leading to lingabhudhi lake (N-12<sup>o</sup> 27' 24.28", E-76<sup>o</sup> 60' 13.04"). The grab sample of the water from natural drain and pond are collected for analysis and reports are awaited.
- The sewage and sullage effluents from the drainage district and the missing links sewage and sullage effluents is being allowed to entering into low lying areas/storm water drains which ultimately joins into Lingambudhi lake causing contamination of water quality in the lake.
- The grab sample of the lake water was collected from four locations of the lake for analysis and reports are awaited. The sampling locations are as follow:
  - U/S of the lake near bird watch tower ( N-12<sup>o</sup>16' 20.64"E-76<sup>o</sup> 36' 51.09")
  - D/S of the lake towards south eastern side near Mantapa (N-12<sup>o</sup>16' 05.5", E-76<sup>o</sup> 36' 45.4")
  - U/S of the lake near temple (N-12<sup>o</sup>16' 58.88",E-76<sup>o</sup> 61' 59.86")
  - U/S of the lake near Lingambudhi palaya (N-12<sup>o</sup>26' 98.14",E-76<sup>o</sup> 60' 84.98")
- Map showing the details of Lingabudhi Lake, adjoining areas, natural drains, drains which are contributing sewage in to lake are shown in **Fig.1**.
- The water quality of Lingabudhi Lake is being monitored for every month under NWMP programme. As per water quality analysis report the Lingambudhi Lake water quality is classified under "E" class which reflects the contamination of water quality due to discharge sewage. The copy of the latest Analysis reports of lake water and drains leading to lake is being monitored. The samples collection details are tabulated below

| Sl. No. | Date of sample collection | Nature of sample | Locations                                                                                                                  | GPS Reading                                                  |
|---------|---------------------------|------------------|----------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|
| 1       | 03-09-2024                | Grab sample      | D/S of the lake towards south eastern side near Mantapa (weir) <b>Annexure- I</b>                                          | N-12 <sup>o</sup> 16' 05.5"<br>E-76 <sup>o</sup> 36' 45.4"   |
| 2       | 03-09-2024                | Grab sample      | U/S of the lake towards north eastern side from Ramakrishna nagar residential layout (Kautilya School) <b>Annexure- II</b> | N-12 <sup>o</sup> 16' 16.7"<br>E-76 <sup>o</sup> 36' 47.4"   |
| 3       | 03-09-2024                | Grab sample      | U/S of the lake near temple <b>Annexure- III</b>                                                                           | N-12 <sup>o</sup> 16' 58.88"<br>E-76 <sup>o</sup> 61' 59.86" |
| 4       | 03-09-2024                | Grab sample      | U/S of the lake near Lingambudhi palaya <b>Annexure- IV</b>                                                                | N-12 <sup>o</sup> 26' 98.14"<br>E-76 <sup>o</sup> 60' 84.98" |
| 5       | 03-09-2024                | Grab sample      | Sewage from Mysuru City                                                                                                    | N-12 <sup>o</sup> 27' 20.36"                                 |

|    |            |             |                                                                                                                              |                                      |
|----|------------|-------------|------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|
|    |            |             | Corporation missing links leading to Lingabudhi Lake<br><b>Annexure- V</b>                                                   | E-76° 61' 77.98"                     |
| 6  | 03-09-2024 | Grab sample | Sewage from MCC/MUDA/Bogadi TP missing links leading to Lingabudhi Lake<br><b>Annexure- VI</b>                               | N-12° 28' 27.97"<br>E-76° 60' 99.49" |
| 7  | 03-09-2024 | Grab sample | Missing links from MUDA leading to Lingabudhi Lake<br><b>Annexure- VII</b>                                                   | N-12° 27' 20.88"<br>E-76° 60' 43.98" |
| 8  | 22-10-2024 | Grab sample | D/S of the lake towards south eastern side near Mantapa (weir)<br><b>Annexure- VIII</b>                                      | N-12° 16' 05.5"<br>E-76° 36' 45.4"   |
| 9  | 08-11-2024 | Grab sample | D/S of the lake towards south eastern side near Mantapa (weir)<br><b>Annexure- IX</b>                                        | N-12° 16' 05.5"<br>E-76° 36' 45.4"   |
| 10 | 08-11-2024 | Grab sample | U/S of the lake towards north eastern side from Ramakrishna nagar residential layout (Kautilya School)<br><b>Annexure- X</b> | N-12° 16' 16.7"<br>E-76° 36' 47.4"   |
| 11 | 08-11-2024 | Grab sample | U/S of the lake near temple<br><b>Annexure- XI</b>                                                                           | N-12° 16' 58.88"<br>E-76° 61' 59.86" |
| 12 | 08-11-2024 | Grab sample | U/S of the lake near Lingambudhi palaya<br><b>Annexure- XII</b>                                                              | N-12° 26' 98.14"<br>E-76° 60' 84.98" |

The analysis reports are herewith enclosed as **Annexure- I to Annexure- XII**

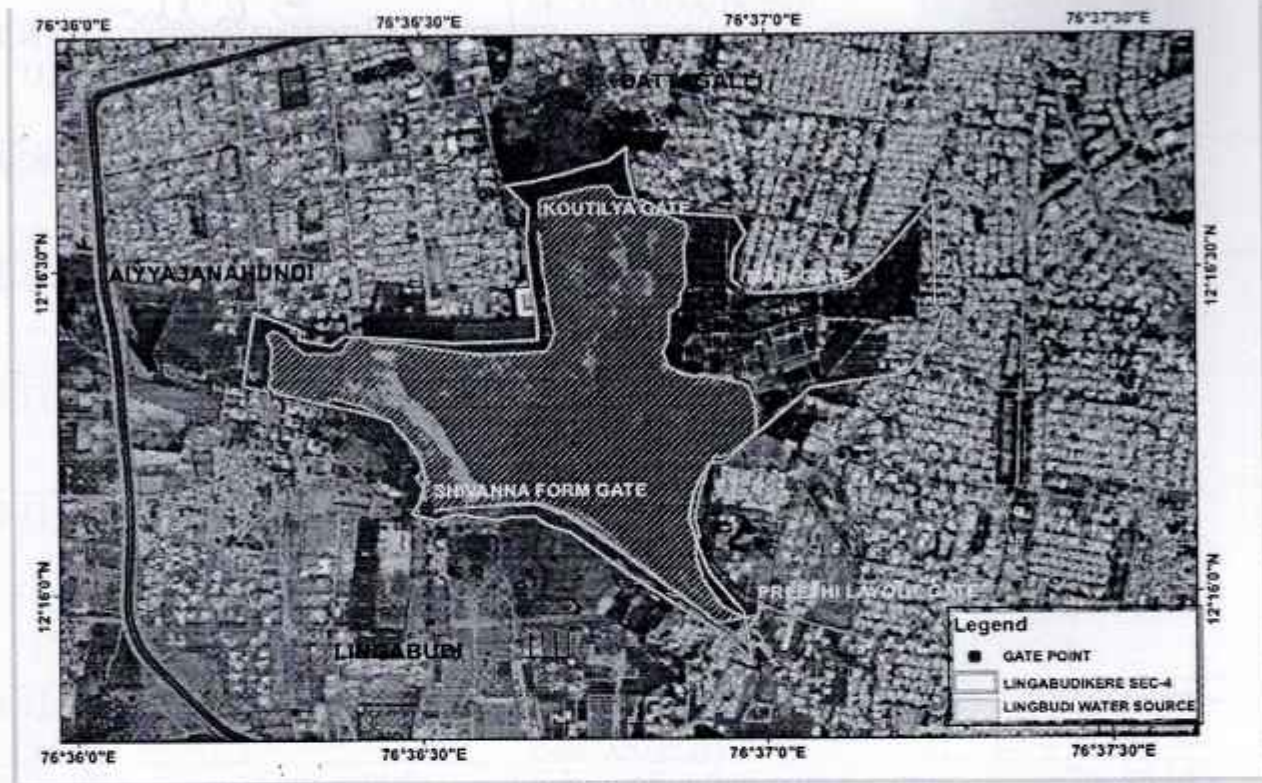
Google map showing the locations of the sample collected on the above said table is produced as **Annexure-XIII**

- During inspection, it is observed that solid waste and plastic waste were clogging the usual water flow path near the Horticulture nursery and also Ramakrishnanagar resulting in a stagnation and odour nuisance. Photographs taken during inspection is herewith enclosed as **Annexure-XIV** for kind reference.
- Action taken report submitted by the MCC, MUDA and Forest Department is enclosed as **Annexure-XV** for kind reference.
- The provision of intermittent screens, weed removal devices, flow measuring equipment, de-sludging / de-silting of the lake, and diversion of natural storm water are not being made. The missing links in the Sewage Treatment Plant (STP) are not being addressed through interception and diversion of sewage. Since, it is Natural nala meant to carry only storm water, the MCC and MUDA, Mysore authorities have to take action to prevent the entry of sewage from the missing links into storm water drain and ensure no untreated sewage shall enter directly in to the lake. The sewage



Map showing the details of Lingabudhi Lake, adjoining areas, natural drains, drains which are contributing sewage in to lake are shown in Fig.1.

**Fig.1 Lingabudhi Lake and adjoining area**



**LAKE SAMPLE COLLECTION DETAILS:**

| Sl. No. | Location details                                               |
|---------|----------------------------------------------------------------|
| 1       | D/s of the lake towards south eastern side near Mantapa (weir) |
| 2       | Lake sample collected from near watch tower                    |
| 3       | D/s of the lake towards side near temple                       |
| 4       | U/s of the lake towards near Lingambudhipalya                  |
| 5       | Lake sample of Ajjayana Pura Hundi                             |

**MISSING LINKS SAMPLE COLLECTION DETAILS:**

| Sl. No. | Location details                                                                                                                                                             |
|---------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1       | Missing Link sewage and Sullage effluent generating from Dattagalli and other Residential Layouts collected near SA-RA Mahesh Convention Hall and also near Kautilya School. |
| 2       | Strom water drain sample collected from near Horti culture Department Lotus Park                                                                                             |
| 3       | Storm water drain sample collected from near Ajjayana Pura Hundi                                                                                                             |
| 4       | Missing Link sewage and Sullage effluent generating from TP Srirampura ( Private Karle layout and other Residential Layouts)                                                 |
| 5       | Missing Link sewage and Sullage effluent generating from MUDA limits private layout (Kuvempu Gruha Nirmana Sahakara Snaga                                                    |



# Karnataka State Pollutions Control Board

ಕರ್ನಾಟಕ ರಾಜ್ಯ ಮಾಲಿನ್ಯ ನಿಯಂತ್ರಣ ಮಂಡಳಿ

Regional Office - 1, Mysuru (Urban),  
Plot No.: 436-D, Hebbal Industrial Area,  
K. R. S. Road, Metagalli, Mysuru - 570 016.

Telephone : 0821 - 2519411

e-mail : mysore1@kspcb.gov.in

An ISO 9001 : 2015 and ISO 45001:2018 Certified Laboratory

ಪ್ರಾದೇಶಿಕ ಕಛೇರಿ - 1, ಮೈಸೂರು (ನಗರ),  
ಪ್ಲಾಟ್ ನಂ.: 436-ಡಿ, ಹೆಬ್ಬಾಳ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶ,  
ಕೆ.ಆರ್.ಎಸ್. ರಸ್ತೆ, ಮೆಟಗಲ್ಲಿ, ಮೈಸೂರು - 570 016.

Fax : 0821 - 2519411

web : http://kspcb@kar.nic.in

Date: 30.09.2024

## NOTE

**Sub** : Analysis Report of the Lake sample collected on 03.09.2024 from  
Lingambudhi Lake in & around Mysore in different locations-Reg

**Ref** : 1) Requisition for Analysis of the sample Dated 04.09.2024  
2) Analysis Report of the SO Lab, Regional Laboratory, Dated. 30.09.2024

\*\*\*

The Analysis Report of Lake water sample submitted vide letter cited under ref 1 & 2 is  
herewith enclosed for further needful.

Encl: as above

*Kavitha N*  
Scientific Officer  
Regional Laboratory, Mysuru

To,

The Environmental Officer,  
Karnataka State Pollution Control Board  
Regional Office-1 Mysore(Urban)

Ph : 0821-2519411



Email: mysore@kspcb.gov.in  
Website: kspcb.karnataka.gov.in

K.S.P.C.B. - Regional Office-1, Mysuru(Urban), Plot No.436-D, Hebbal Industrial Area, K.R.S. Road, Metagalli, Mysuru - 530 016

KARNATAKA STATE POLLUTION CONTROL BOARD  
REGIONAL LABORATORY MYSURU

ISO 9001:2015 and ISO 45001:2018 CERTIFIED LABORATORY

ಕೆ.ಎಸ್.ಪಿ.ಸಿ.ಬಿ., ಪ್ರಾದೇಶಿಕ ಕಛೇರಿ-1, ಮೈಸೂರು(ಶೂನ್ಯ), ಪ್ಲಾಟ್ ನಂ.436-ಡಿ, ಹೆಬ್ಬಾಳ ಕಾರ್ಖಾನೆ ಪ್ರದೇಶ, ಕೆ.ಆರ್.ಎಸ್. ರಸ್ತೆ, ಮೆತಗಾಳಿ, ಮೈಸೂರು - 530 016

Analysis Report of National Water Monitoring Programme

Date: 30.09.2024

| Name of the River           | Lingambudhi Lake                                               |                                                                                                                                                                                                                                               | Page 1 of 1                               |            |         |           |           |                     |                                    |
|-----------------------------|----------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|------------|---------|-----------|-----------|---------------------|------------------------------------|
| Regional Office             | Zonal Office, Mysuru                                           |                                                                                                                                                                                                                                               | Date of Commencement of Test - 04.09.2024 |            |         |           |           |                     |                                    |
| Sample collected by         | Environmental officer, Mysuru                                  |                                                                                                                                                                                                                                               | Date of Completion test - 30.09.2024      |            |         |           |           |                     |                                    |
| Name of the water body      | Lake                                                           |                                                                                                                                                                                                                                               | Latitude                                  | 12.269547  |         |           |           |                     |                                    |
| River Basin                 | Karnataka                                                      |                                                                                                                                                                                                                                               | Longitude                                 | 76.611717  |         |           |           |                     |                                    |
| Sub Basin                   | KSPCB                                                          |                                                                                                                                                                                                                                               | Station Code                              | 3586       |         |           |           |                     |                                    |
| State name                  | Monthly                                                        |                                                                                                                                                                                                                                               | Sampling Month                            | Sep-24     |         |           |           |                     |                                    |
| Monitoring Agency           | None                                                           |                                                                                                                                                                                                                                               | Date of Collection                        | 03.09.2024 |         |           |           |                     |                                    |
| Frequency of Monitoring     | Cloudy                                                         |                                                                                                                                                                                                                                               | Time                                      | 10.50 Hrs  |         |           |           |                     |                                    |
| Major Pollutant Sources     | None                                                           |                                                                                                                                                                                                                                               | Date of Receipt                           | 04.09.2024 |         |           |           |                     |                                    |
| Visible/Invisible Discharge | None                                                           |                                                                                                                                                                                                                                               | Sample Report Number                      | W-1025     |         |           |           |                     |                                    |
| Weather                     | 50-100 cm                                                      |                                                                                                                                                                                                                                               | Sample Number                             | W-1025     |         |           |           |                     |                                    |
| Approximate depth           | None                                                           |                                                                                                                                                                                                                                               |                                           |            |         |           |           |                     |                                    |
| Human activities            | Clear                                                          |                                                                                                                                                                                                                                               |                                           |            |         |           |           |                     |                                    |
| Colour                      | Odourless                                                      |                                                                                                                                                                                                                                               |                                           |            |         |           |           |                     |                                    |
| Odour                       | 25                                                             |                                                                                                                                                                                                                                               |                                           |            |         |           |           |                     |                                    |
| Temperature                 | D/S of the lake towards south eastern side near Mantapa (weir) |                                                                                                                                                                                                                                               |                                           |            |         |           |           |                     |                                    |
| Particulars                 |                                                                |                                                                                                                                                                                                                                               |                                           |            |         |           |           |                     |                                    |
| Sl No.                      | Parameters                                                     | Units                                                                                                                                                                                                                                         | Water quality classification standards    |            |         |           |           | Sample No. & Result | Test method                        |
|                             |                                                                |                                                                                                                                                                                                                                               | A                                         | B          | C       | D         | E         |                     |                                    |
| 1                           | Dissolved Oxygen                                               | mg/L                                                                                                                                                                                                                                          | 6                                         | 5          | 4       | 4         | -         | 6.5                 | IS 3025 (Part-38):2019             |
| 2                           | pH                                                             | pH unit                                                                                                                                                                                                                                       | 6.5 - 8.5                                 | 6.5 - 8.5  | 6.0-9.0 | 6.5 - 8.5 | 6.0 - 8.5 | 7.7                 | IS 3025 (Part-14):2022             |
| 3                           | Electrical Conductivity                                        | µmho/cm                                                                                                                                                                                                                                       | -                                         | -          | -       | -         | 2250      | 840                 | IS 3025 (Part-10):2019             |
| 4                           | Bio Chemical Oxygen Demand                                     | mg/L                                                                                                                                                                                                                                          | 2                                         | 3          | 3       | -         | -         | 4.7                 | IS 3025 (Part-44):2023             |
| 5                           | Boron as B                                                     | mg/L                                                                                                                                                                                                                                          | -                                         | -          | -       | -         | 2         | 0.32                | IS 3025 (Part-57):2021             |
| 6                           | Sodium Absorption Ratio                                        | mmol/L                                                                                                                                                                                                                                        | -                                         | -          | -       | -         | 26        | 1.42                | IS 11634 - 2019                    |
| 7                           | Free Ammonia                                                   | -                                                                                                                                                                                                                                             | -                                         | -          | -       | 1.2       | -         | 0.04                | APHA 23rd edition 4500 NH3-C, 2017 |
| 8                           | Nitrate as N                                                   | mg/L                                                                                                                                                                                                                                          | -                                         | -          | -       | -         | -         | 2.9                 | IS 3025 (part 34)Sec 1:2023        |
| 9                           | Nitrite as N                                                   | mg/L                                                                                                                                                                                                                                          | -                                         | -          | -       | -         | -         | 1.8                 | IS 3025 (part 34)Sec 1:2023        |
| 10                          | Total coliform count                                           | MPN/100 ml                                                                                                                                                                                                                                    | 50                                        | 500        | 5000    | -         | -         | 8400                | IS 3025 (part 34)Sec 1:2023        |
| 11                          | Faecal Coliform count                                          | MPN/100 ml                                                                                                                                                                                                                                    | -                                         | -          | -       | -         | -         | 1200                | APHA 23rd edition 9221-B, 2017     |
| 12                          | Turbidity                                                      | NTU                                                                                                                                                                                                                                           | -                                         | -          | -       | -         | -         | 8.5                 | IS 3025 (Part-10):2023             |
| 13                          | Alkalinity-P as CaCO <sub>3</sub>                              | mg/L                                                                                                                                                                                                                                          | -                                         | -          | -       | -         | -         | NH                  | IS 3025 (Part-23):2023             |
| 14                          | Total alkalinity as CaCO <sub>3</sub>                          | mg/L                                                                                                                                                                                                                                          | -                                         | -          | -       | -         | -         | 148                 | IS 3025 (Part-23):2023             |
| 15                          | Chloride as Cl                                                 | mg/L                                                                                                                                                                                                                                          | -                                         | -          | -       | -         | -         | 144                 | IS 3025 (Part-22 ):2023            |
| 16                          | Chemical Oxygen Demand                                         | mg/L                                                                                                                                                                                                                                          | -                                         | -          | -       | -         | -         | 72                  | IS 3025 (Part-58):2023             |
| 17                          | Total Kjeldhal Nitrogen as N                                   | mg/L                                                                                                                                                                                                                                          | -                                         | -          | -       | -         | -         | 5.04                | IS 3025 (part 34)Sec 1:2023        |
| 18                          | Ammonia as N                                                   | mg/L                                                                                                                                                                                                                                          | -                                         | -          | -       | -         | -         | 2.34                | IS 3025 (part 34)Sec 1:2023        |
| 19                          | Total Hardness as CaCO <sub>3</sub>                            | mg/L                                                                                                                                                                                                                                          | -                                         | -          | -       | -         | -         | 216                 | IS 3025 (Part-21):2019             |
| 20                          | Calcium as CaCO <sub>3</sub>                                   | mg/L                                                                                                                                                                                                                                          | -                                         | -          | -       | -         | -         | 104                 | IS 3025 (Part-40):2019             |
| 21                          | Calcium as Ca                                                  | mg/L                                                                                                                                                                                                                                          | -                                         | -          | -       | -         | -         | 41.6                | IS 3025 (Part-40):2019             |
| 22                          | Magnesium as CaCO <sub>3</sub>                                 | mg/L                                                                                                                                                                                                                                          | -                                         | -          | -       | -         | -         | 112                 | IS 3025 (Part-46):2023             |
| 23                          | Magnesium as Mg                                                | mg/L                                                                                                                                                                                                                                          | -                                         | -          | -       | -         | -         | 27                  | IS 3025 (Part-46):2023             |
| 24                          | Sulphate as SO <sub>4</sub>                                    | mg/L                                                                                                                                                                                                                                          | -                                         | -          | -       | -         | -         | 28                  | IS 3025 (Part-24):2022             |
| 25                          | Sodium                                                         | mg/L                                                                                                                                                                                                                                          | -                                         | -          | -       | -         | -         | 48                  | IS 3025 (Part-45):2019             |
| 26                          | Total Dissolved Solids                                         | mg/L                                                                                                                                                                                                                                          | -                                         | -          | -       | -         | -         | 570                 | IS 3025 (Part-16):2023             |
| 27                          | Total Suspended Solids                                         | mg/L                                                                                                                                                                                                                                          | -                                         | -          | -       | -         | -         | 30                  | IS 3025 (Part-17):2022             |
| 28                          | Phosphate                                                      | mg/L                                                                                                                                                                                                                                          | -                                         | -          | -       | -         | -         | 0.42                | IS 3025 (Part-31):2022             |
| 29                          | Potassium                                                      | mg/L                                                                                                                                                                                                                                          | -                                         | -          | -       | -         | -         | 17                  | IS 3025 (Part-45):2019             |
| 30                          | Fluoride                                                       | mg/L                                                                                                                                                                                                                                          | -                                         | -          | -       | -         | -         | 0.26                | IS 3025 (Part-60):2019             |
| 31                          | Percent Sodium                                                 | %                                                                                                                                                                                                                                             | -                                         | -          | -       | -         | -         | 30                  | -                                  |
| 32                          | Carbonate CO <sub>3</sub> <sup>2-</sup>                        | mg/L                                                                                                                                                                                                                                          | -                                         | -          | -       | -         | -         | NH                  | IS 3025 (Part-51):2023             |
| 33                          | Bicarbonate HCO <sub>3</sub> <sup>-</sup>                      | mg/L                                                                                                                                                                                                                                          | -                                         | -          | -       | -         | -         | 148                 | IS 3025 (Part-51):2023             |
| INFERENCE                   |                                                                | Sample results Belongs to Class " D " - to prescribed standards with respect to Bio Chemical Oxygen Demand & Total coliform , as per Primary Water Quality Criteria - CPCB , Designated best use - " D " Propagation of Wild life & Fisheries |                                           |            |         |           |           |                     |                                    |

Note: 1. Standards are mentioned above as per CPCB norms & results pertaining only to the sample tested. Hand written corrections are not valid in this report.  
2. The report shall not be reproduced without the written approval of the laboratory.  
3. BDL - Below Detection Level (Boron-0.5mg/L), mg/L-Milligram per litre NTU-Nephelometry unit, MPN-Most probable Number, mmol/L-Millimoles per litre.  
4. Samples will be stored for a period of 10 days from the date of issue of report.

*Kavitha N*  
Smt. Kavitha N  
Scientific officer  
Regional Laboratory-Mysuru

PI : 0821-2519411



Email: mysore@kspcb.karnataka.gov.in  
Website: kspcb.karnataka.gov.in

K.S.P.C.B., Regional Office-1, Mysuru (Urban), Pla No.436-D, Hebbal Industrial Area, K.R.S. Road, Metagalhi, Mysuru - 570016

KARNATAKA STATE POLLUTION CONTROL BOARD  
REGIONAL LABORATORY MYSURU

ISO 9001:2015 and ISO 45001:2018 CERTIFIED LABORATORY

Analysis Report of National Water Monitoring Programme

Date: 30/09/2024

| Name of the River          |                                           | Lingambudhi Lake                                                                                                                                                                                                                                                |                                        |           |         |           | Page 1 of 1                               |                                                                                                        |                                     |
|----------------------------|-------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|-----------|---------|-----------|-------------------------------------------|--------------------------------------------------------------------------------------------------------|-------------------------------------|
| Regional Office            |                                           | Zonal Office, Mysuru                                                                                                                                                                                                                                            |                                        |           |         |           | Date of Commencement of Test : 01/09/2024 |                                                                                                        |                                     |
| Sample collected by        |                                           | Environmental office, Mysuru                                                                                                                                                                                                                                    |                                        |           |         |           | Date of Completion test : 30/09/2024      |                                                                                                        |                                     |
| Name of the water body     |                                           | Lake                                                                                                                                                                                                                                                            |                                        |           |         |           | Latitude                                  | 12.269547                                                                                              |                                     |
| River Basin                |                                           |                                                                                                                                                                                                                                                                 |                                        |           |         |           | Longitude                                 | 76.611717                                                                                              |                                     |
| Sub-Basin                  |                                           | Karnataka                                                                                                                                                                                                                                                       |                                        |           |         |           | Station Code                              | 3586                                                                                                   |                                     |
| State name                 |                                           | KSPCB                                                                                                                                                                                                                                                           |                                        |           |         |           | Sampling Month                            | Sep-24                                                                                                 |                                     |
| Monitoring Agency          |                                           | Mysuru                                                                                                                                                                                                                                                          |                                        |           |         |           | Date of Collection                        | 03/09/2024                                                                                             |                                     |
| Frequency of Monitoring    |                                           | None                                                                                                                                                                                                                                                            |                                        |           |         |           | Time                                      | 10:45 Hrs                                                                                              |                                     |
| Major Pollutant Sources    |                                           | Moderate                                                                                                                                                                                                                                                        |                                        |           |         |           | Date of Receipt                           | 04/09/2024                                                                                             |                                     |
| Visible effluent Discharge |                                           | Cloudy                                                                                                                                                                                                                                                          |                                        |           |         |           | Sample Report Number                      | W-1026                                                                                                 |                                     |
| Weather                    |                                           | 50-100 cm                                                                                                                                                                                                                                                       |                                        |           |         |           | Temperature                               | 27                                                                                                     |                                     |
| Approximate depth          |                                           | None                                                                                                                                                                                                                                                            |                                        |           |         |           | Particulars                               | U/S of the lake towards north eastern side from Rimmakrishna nagar residential layout (Kanniya School) |                                     |
| Human activities           |                                           | Turbid                                                                                                                                                                                                                                                          |                                        |           |         |           | Sample No. & Result                       | W-1026                                                                                                 |                                     |
| Colour                     |                                           | Odorous                                                                                                                                                                                                                                                         |                                        |           |         |           | Test method                               |                                                                                                        |                                     |
| Odour                      |                                           |                                                                                                                                                                                                                                                                 |                                        |           |         |           |                                           |                                                                                                        |                                     |
| Sl. No.                    | Parameters                                | Units                                                                                                                                                                                                                                                           | Water quality classification standards |           |         |           |                                           | Sample No. & Result                                                                                    | Test method                         |
|                            |                                           |                                                                                                                                                                                                                                                                 | A                                      | B         | C       | D         | E                                         | W-1026                                                                                                 |                                     |
| 1                          | Dissolved Oxygen                          | mg/L                                                                                                                                                                                                                                                            | 6                                      | 5         | 4       | 4         | -                                         | 0.91                                                                                                   | IS 3025 (Part-38):2019              |
| 2                          | pH                                        | pH unit                                                                                                                                                                                                                                                         | 6.5 - 8.5                              | 6.5 - 8.5 | 6.0-9.0 | 6.5 - 8.5 | 6.0 - 8.5                                 | 6.8                                                                                                    | IS 3025 (Part-11):2022              |
| 3                          | Electrical Conductivity                   | µmho/cm                                                                                                                                                                                                                                                         | -                                      | -         | -       | -         | 2250                                      | 1004                                                                                                   | IS 3025 (Part-14):2019              |
| 4                          | Bio-Chemical Oxygen Demand                | mg/L                                                                                                                                                                                                                                                            | 2                                      | 3         | 1       | -         | -                                         | 10.2                                                                                                   | IS 3025 (Part-44):2023              |
| 5                          | Biom as B                                 | mg/L                                                                                                                                                                                                                                                            | -                                      | -         | -       | -         | 2                                         | 0.41                                                                                                   | IS 3025 (Part-57):2021              |
| 6                          | Sodium Absorption Ratio                   | mmol/L                                                                                                                                                                                                                                                          | -                                      | -         | -       | -         | 20                                        | 1.57                                                                                                   | IS 11624 : 2019                     |
| 7                          | Free Ammonia                              | -                                                                                                                                                                                                                                                               | -                                      | -         | -       | 1.2       | -                                         | 0.02                                                                                                   | APHA 23rd edition 4500 NH3-C : 2017 |
| 8                          | Nitrite as N                              | mg/L                                                                                                                                                                                                                                                            | -                                      | -         | -       | -         | -                                         | 5.3                                                                                                    | IS 3025 (part 34)Sec 1:2023         |
| 9                          | Nitrate as N                              | mg/L                                                                                                                                                                                                                                                            | -                                      | -         | -       | -         | -                                         | 2.9                                                                                                    | IS 3025 (part 34)Sec 1:2023         |
| 10                         | Total coliform count                      | MPN/100 ml                                                                                                                                                                                                                                                      | 50                                     | 500       | 5000    | -         | -                                         | 17000                                                                                                  | APHA 23rd edition 9221-B : 2017     |
| 11                         | Faecal Coliform count                     | MPN/100 ml                                                                                                                                                                                                                                                      | -                                      | -         | -       | -         | -                                         | 2600                                                                                                   | APHA 23rd edition 9221-E:2017       |
| 12                         | Turbidity                                 | NTU                                                                                                                                                                                                                                                             | -                                      | -         | -       | -         | -                                         | 9.1                                                                                                    | IS 3025 (Part-10):2023              |
| 13                         | Alkalinity-P as CaCO <sub>3</sub>         | mg/L                                                                                                                                                                                                                                                            | -                                      | -         | -       | -         | -                                         | NIL                                                                                                    | IS 3025 (Part-23):2023              |
| 14                         | Total alkalinity as CaCO <sub>3</sub>     | mg/L                                                                                                                                                                                                                                                            | -                                      | -         | -       | -         | -                                         | 180                                                                                                    | IS 3025 (Part-23):2023              |
| 15                         | Chloride as Cl                            | mg/L                                                                                                                                                                                                                                                            | -                                      | -         | -       | -         | -                                         | 176                                                                                                    | IS 3025 (Part-32):2023              |
| 16                         | Chemical Oxygen Demand                    | mg/L                                                                                                                                                                                                                                                            | -                                      | -         | -       | -         | -                                         | 142                                                                                                    | IS 3025 (Part-58):2023              |
| 17                         | Total Kjeldahl Nitrogen as N              | mg/L                                                                                                                                                                                                                                                            | -                                      | -         | -       | -         | -                                         | 6.72                                                                                                   | IS 3025 (part 34)Sec 1:2023         |
| 18                         | Ammonia as N                              | mg/L                                                                                                                                                                                                                                                            | -                                      | -         | -       | -         | -                                         | 3.36                                                                                                   | IS 3025 (part 34)Sec 1:2023         |
| 19                         | Total Hardness as CaCO <sub>3</sub>       | mg/L                                                                                                                                                                                                                                                            | -                                      | -         | -       | -         | -                                         | 260                                                                                                    | IS 3025 (Part-21):2019              |
| 20                         | Calcium as CaCO <sub>3</sub>              | mg/L                                                                                                                                                                                                                                                            | -                                      | -         | -       | -         | -                                         | 132                                                                                                    | IS 3025 (Part-40):2019              |
| 21                         | Calcium as Ca                             | mg/L                                                                                                                                                                                                                                                            | -                                      | -         | -       | -         | -                                         | 52.8                                                                                                   | IS 3025 (Part-40):2019              |
| 22                         | Magnesium as CaCO <sub>3</sub>            | mg/L                                                                                                                                                                                                                                                            | -                                      | -         | -       | -         | -                                         | 136                                                                                                    | IS 3025 (Part-40):2023              |
| 23                         | Magnesium as Mg                           | mg/L                                                                                                                                                                                                                                                            | -                                      | -         | -       | -         | -                                         | 33                                                                                                     | IS 3025 (Part-46):2023              |
| 24                         | Sulphate as SO <sub>4</sub>               | mg/L                                                                                                                                                                                                                                                            | -                                      | -         | -       | -         | -                                         | 34                                                                                                     | IS 3025 (Part-24):2022              |
| 25                         | Sodium                                    | mg/L                                                                                                                                                                                                                                                            | -                                      | -         | -       | -         | -                                         | 59                                                                                                     | IS 3025 (Part-45):2019              |
| 26                         | Total Dissolved Solids                    | mg/L                                                                                                                                                                                                                                                            | -                                      | -         | -       | -         | -                                         | 680                                                                                                    | IS 3025 (Part-16):2023              |
| 27                         | Total Suspended Solids                    | mg/L                                                                                                                                                                                                                                                            | -                                      | -         | -       | -         | -                                         | 40                                                                                                     | IS 3025 (Part-17):2023              |
| 28                         | Phosphate                                 | mg/L                                                                                                                                                                                                                                                            | -                                      | -         | -       | -         | -                                         | 0.56                                                                                                   | IS 3025 (Part-31):2022              |
| 29                         | Potassium                                 | mg/L                                                                                                                                                                                                                                                            | -                                      | -         | -       | -         | -                                         | 24                                                                                                     | IS 3025 (Part-45):2019              |
| 30                         | Fluoride                                  | mg/L                                                                                                                                                                                                                                                            | -                                      | -         | -       | -         | -                                         | 0.31                                                                                                   | IS 3025 (Part-60):2019              |
| 31                         | Percent Sodium                            | %                                                                                                                                                                                                                                                               | -                                      | -         | -       | -         | -                                         | 30                                                                                                     | -                                   |
| 32                         | Carbonate CO <sub>3</sub> <sup>2-</sup>   | mg/L                                                                                                                                                                                                                                                            | -                                      | -         | -       | -         | -                                         | NIL                                                                                                    | IS 3025 (Part-51):2023              |
| 33                         | Bicarbonate HCO <sub>3</sub> <sup>-</sup> | mg/L                                                                                                                                                                                                                                                            | -                                      | -         | -       | -         | -                                         | 180                                                                                                    | IS 3025 (Part-51):2023              |
| INFERENCE                  |                                           | Sample results belongs to Class "E" to prescribed standards with respect to Dissolved Oxygen & Bio Chemical Oxygen Demand as per Primary Water Quality Criteria - CPCB.<br>Designated best use - "E" Irrigation, Industrial cooling & controlled waste disposal |                                        |           |         |           |                                           |                                                                                                        |                                     |

Note: 1. Standards are mentioned above as per CPCB norms & results pertaining only to the sample tested. Hand written corrections are not valid in this report.  
2. The report shall not be reproduced without the written approval of the laboratory.  
3. BDL - Below Detection Level (Boron-0.5mg/L), µg/L - Microgram per litre, NTU - Nephelometric turbidity unit, MPN - Most Probable Number, mmol/L - Millimoles per litre.  
4. Samples will be stored for a period of 10 days from the date of issue of report.

*Kavitha N*  
Smt. Kavitha N  
Scientific officer  
Regional Laboratory-Mysuru

Ph : 0821-2519411

K.S.P.C.B. - Regional Office-I, Mysuru (Urban), Tot No.436-D, Hebbal Industrial Area, K.R.S. Road, Metagalgi, Mysuru - 570 016



KARNATAKA STATE POLLUTION CONTROL BOARD  
REGIONAL LABORATORY MYSURU

ISO 9001:2015 and ISO 45001:2018 CERTIFIED LABORATORY

Analysis Report of National Water Monitoring Programme

Email: mysuru1@kspcb.gov.in  
Website: kspcb.karnataka.gov.in

ಇ ಈ ವರದಿಯು, ಮಾದರಿಗಳ ಸಂಖ್ಯೆ-1, ಸೂಚಿ ಸಂ.436-ಡಬ್ಲ್ಯು. ಹೆಬ್ಬಾಳೆ ಕೃಷಿ/ನಗರೀಕರಣ ಪ್ರದೇಶ, ಕೆ.ಆರ್.ಎಸ್ ರಸ್ತೆ, ಮೆಟಗಲ್ಗಿ, ಮೈಸೂರು ನಗರ, ಮೈಸೂರು-570016.

Date: 30.09.2024

| Name of the River          |                                           | Lingambudhi Lake                       |           |           |         |           | Page 1 of 1                               |            |                                    |
|----------------------------|-------------------------------------------|----------------------------------------|-----------|-----------|---------|-----------|-------------------------------------------|------------|------------------------------------|
| Regional Office            |                                           | Zonal Office, Mysuru                   |           |           |         |           | Date of Commencement of Test - 04.09.2024 |            |                                    |
| Sample collected by        |                                           | Environmental Office, Mysuru           |           |           |         |           | Date of Completion test - 30.09.2024      |            |                                    |
| Name of the water body     |                                           | Lake                                   |           |           |         |           | Latitude                                  | 12.269547  |                                    |
| River Basin                |                                           | Karnataka                              |           |           |         |           | Longitude                                 | 76.611717  |                                    |
| Sub-basin                  |                                           | K.S.P.C.B.                             |           |           |         |           | Station Code                              | 3586       |                                    |
| Monitoring Agency          |                                           | Monthly                                |           |           |         |           | Sampling Month                            | Sep-24     |                                    |
| Frequency of Monitoring    |                                           | None                                   |           |           |         |           | Date of Collection                        | 03.09.2024 |                                    |
| Major Pollutant Sources    |                                           | None                                   |           |           |         |           | Time                                      | 11.30 Hrs. |                                    |
| Visible effluent Discharge |                                           | Cloudy                                 |           |           |         |           | Date of Receipt                           | 04.09.2024 |                                    |
| Weather                    |                                           | 50-100 cm                              |           |           |         |           | Sample Report Number                      | W-1027     |                                    |
| Approximate depth          |                                           | None                                   |           |           |         |           | Sample Number                             | W-1027     |                                    |
| Human activities           |                                           | Clean                                  |           |           |         |           |                                           |            |                                    |
| Colour                     |                                           | Odorless                               |           |           |         |           |                                           |            |                                    |
| Odour                      |                                           | 24                                     |           |           |         |           |                                           |            |                                    |
| Temperature                |                                           | U/S of the lake near temple            |           |           |         |           |                                           |            |                                    |
| Particulars                |                                           | Water quality classification standards |           |           |         |           | Sample No. & Result                       |            |                                    |
| Sl No                      | Parameters                                | Units                                  | A         | B         | C       | D         | E                                         | W-1027     | Test method                        |
| 1                          | Dissolved Oxygen                          | mg/L                                   | 6         | 5         | 4       | 3         | 2                                         | 6.8        | IS 3025 (Part-38) 2019             |
| 2                          | pH                                        | pH unit                                | 6.5 - 8.5 | 6.5 - 8.5 | 6.0-9.0 | 6.5 - 8.5 | 6.0 - 8.5                                 | 8          | IS 3025 (Part-11) 2022             |
| 3                          | Electrical Conductivity                   | µmhos/cm                               | -         | -         | -       | -         | -                                         | 848        | IS 3025 (Part-13) 2019             |
| 4                          | Bio Chemical Oxygen Demand                | mg/L                                   | 2         | 3         | 3       | -         | -                                         | 3.0        | IS 3025 (Part-44) 2023             |
| 5                          | Iron as Fe                                | mg/L                                   | -         | -         | -       | -         | 2                                         | 0.26       | IS 3025 (Part-57) 2021             |
| 6                          | Sodium Absorption Ratio                   | mmol/L                                 | -         | -         | -       | 1.2       | -                                         | 1.49       | IS - 11624 - 2019                  |
| 7                          | Free Ammonia                              | -                                      | -         | -         | -       | -         | -                                         | 0.12       | APHA 2nd edition 4500 NH4-C - 2017 |
| 8                          | Nitrate as N                              | mg/L                                   | -         | -         | -       | -         | -                                         | 3.8        | IS 3025 (part 34) Sec 1:2023       |
| 9                          | Nitrite as N                              | mg/L                                   | -         | -         | -       | -         | -                                         | 1.82       | IS 3025 (part 34) Sec 1:2023       |
| 10                         | Total coliform count                      | MPN/100 ml                             | 50        | 500       | 5000    | -         | -                                         | 7900       | APHA 23rd edition 9221-B - 2017    |
| 11                         | Faecal Coliform count                     | MPN/100 ml                             | -         | -         | -       | -         | -                                         | 1400       | APHA 23rd edition 9221-E - 2017    |
| 12                         | Turbidity                                 | NTU                                    | -         | -         | -       | -         | -                                         | 6.2        | IS 3025 (Part-10) 2023             |
| 13                         | Alkalinity-P as CaCO <sub>3</sub>         | mg/L                                   | -         | -         | -       | -         | -                                         | NIL        | IS 3025 (Part-23) 2023             |
| 14                         | Total alkalinity as CaCO <sub>3</sub>     | mg/L                                   | -         | -         | -       | -         | -                                         | 124        | IS 3025 (Part-23) 2023             |
| 15                         | Chloride as Cl                            | mg/L                                   | -         | -         | -       | -         | -                                         | 140        | IS 3025 (Part-32 ) 2023            |
| 16                         | Chemical Oxygen Demand                    | mg/l                                   | -         | -         | -       | -         | -                                         | 54         | IS 3025 (Part-58) 2023             |
| 17                         | Total Kjeldhal Nitrogen as N              | mg/L                                   | -         | -         | -       | -         | -                                         | 4.48       | IS 3025 (part 34) Sec 1:2023       |
| 18                         | Ammonia as N                              | mg/L                                   | -         | -         | -       | -         | -                                         | 2.24       | IS 3025 (part 34) Sec 1:2023       |
| 19                         | Total Hardness as CaCO <sub>3</sub>       | mg/L                                   | -         | -         | -       | -         | -                                         | 230        | IS 3025 (Part-21) 2019             |
| 20                         | Calcium as CaCO <sub>3</sub>              | mg/l                                   | -         | -         | -       | -         | -                                         | 96         | IS 3025 (Part-40) 2019             |
| 21                         | Calcium as Ca                             | mg/l                                   | -         | -         | -       | -         | -                                         | 38.4       | IS 3025 (Part-40) 2019             |
| 22                         | Magnesium as CaCO <sub>3</sub>            | mg/l                                   | -         | -         | -       | -         | -                                         | 124        | IS 3025 (Part-46) 2023             |
| 23                         | Magnesium as Mg                           | mg/l                                   | -         | -         | -       | -         | -                                         | 30         | IS 3025 (Part-46) 2023             |
| 24                         | Sulphate as SO <sub>4</sub>               | mg/l                                   | -         | -         | -       | -         | -                                         | 27         | IS 3025 (Part-24) 2022             |
| 25                         | Sodium                                    | mg/l                                   | -         | -         | -       | -         | -                                         | 51         | IS 3025 (Part-45) 2019             |
| 26                         | Total Dissolved Solids                    | mg/L                                   | -         | -         | -       | -         | -                                         | 570        | IS 3025 (Part-16) 2023             |
| 27                         | Total Suspended Solids                    | mg/L                                   | -         | -         | -       | -         | -                                         | 30         | IS 3025 (Part-17) 2022             |
| 28                         | Phosphate                                 | mg/L                                   | -         | -         | -       | -         | -                                         | 0.56       | IS 3025 (Part-31) 2022             |
| 29                         | Potassium                                 | mg/L                                   | -         | -         | -       | -         | -                                         | 16         | IS 3025 (Part-45) 2019             |
| 30                         | Fluoride                                  | mg/L                                   | -         | -         | -       | -         | -                                         | 0.25       | IS 3025 (Part-60) 2019             |
| 31                         | Percent Sodium                            | %                                      | -         | -         | -       | -         | -                                         | 32         | -                                  |
| 32                         | Carbonate CO <sub>3</sub> <sup>2-</sup>   | mg/L                                   | -         | -         | -       | -         | -                                         | 124        | IS 3025 (Part-51) 2023             |
| 33                         | Bicarbonate HCO <sub>3</sub> <sup>-</sup> | mg/L                                   | -         | -         | -       | -         | -                                         | -          | IS 3025 (Part-54) 2023             |

INFERENCE: Sample results Belongs to Class " D " - to prescribed standards with respect to Total coliform - as per Primary Water Quality Criteria - CPCB. Designated best use - " D " Propagation of Wild Life & Fisheries

Note: 1. Standards are mentioned above as per CPCB norms & results pertaining only to the sample tested. Hand written corrections are not valid in this report.  
2. The report shall not be reproduced without the written approval of the laboratory.  
3. BDL - Below Detection Level (Below-0.5mg/L), mg/L-Milligram per litre NTU-Nephelourbidity unit, MPN-Most probable Number, mmol/L-Millimoles per Liter  
4. Samples will be stored for a period of 10 days from the date of issue of report.

*Kavitha N*  
Smt Kavitha.N  
Scientific officer  
Regional Laboratory-Mysuru

Ph : 0821-2519411



Email: mysore@kspcb.gov.in  
Website: kspcb.karnataka.gov.in

K.S.P.C.B. - Regional Office-I, Mysuru(Urban), Plot No 436-D, Hebbal Industrial Area, K.R.S. Road, Metagalli, Mysuru - 570 016

KARNATAKA STATE POLLUTION CONTROL BOARD  
REGIONAL LABORATORY MYSURU

ISO 9001:2015 and ISO 45001:2018 CERTIFIED LABORATORY

Analysis Report of National Water Monitoring Programme

ಇ-ಮಾನ್ಯತೆಗೆ, ಸರ್ಕಾರದ  
ಇಲಾಖೆ-1, ಇಲಾಖೆ ಸಂ 436-ಡಿ,  
ಹೆಬ್ಬಾಳೆ ಕಾರ್ಖಾನೆ ಪ್ರದೇಶದ  
ಕೆ.ಆರ್.ಎಸ್ ರಸ್ತೆ, ಮೆಟಗಲ್ಲಿ,  
ಮೈಸೂರು ನಗರ ಸರ್ಕಾರ -  
570016

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Date: 30.09.2024

| Name of the River          |                                           | Lingambudhi Lake                                                                                                                             |                                        |         |         |         | Page 1 of 1                               |                                       |                                                 |
|----------------------------|-------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|---------|---------|---------|-------------------------------------------|---------------------------------------|-------------------------------------------------|
| Regional Office            |                                           | Zonal Office, Mysuru                                                                                                                         |                                        |         |         |         | Date of Commencement of Test : 04.09.2024 |                                       |                                                 |
| Sample collected by        |                                           | Environmental office, Mysuru                                                                                                                 |                                        |         |         |         | Date of Completion test : 30.09.2024      |                                       |                                                 |
| Name of the water body     |                                           | Lake                                                                                                                                         |                                        |         |         |         | Latitude                                  | 12.269547                             |                                                 |
| River basin                |                                           |                                                                                                                                              |                                        |         |         |         | Longitude                                 | 76.611717                             |                                                 |
| Sub basin                  |                                           |                                                                                                                                              |                                        |         |         |         | Station Code                              | 4586                                  |                                                 |
| State/zone                 |                                           | Karnataka                                                                                                                                    |                                        |         |         |         | Sampling Month                            | Sep-24                                |                                                 |
| Monitoring Agency          |                                           | KSPCB                                                                                                                                        |                                        |         |         |         | Date of Collection                        | 03.09.2024                            |                                                 |
| Frequency of Monitoring    |                                           | Monthly                                                                                                                                      |                                        |         |         |         | Time                                      | 11.55 Hrs                             |                                                 |
| Major Pollutant Sources    |                                           | None                                                                                                                                         |                                        |         |         |         | Date of Receipt                           | 04.09.2024                            |                                                 |
| Visible effluent Discharge |                                           | None                                                                                                                                         |                                        |         |         |         | Sample Report Number                      | W-1028                                |                                                 |
| Weather                    |                                           | Cloudy                                                                                                                                       |                                        |         |         |         | Temperature                               | 24                                    |                                                 |
| Approximate depth          |                                           | 30-100 cm                                                                                                                                    |                                        |         |         |         | Particulars                               | US of the lake near Lingambudhi patya |                                                 |
| Human activities           |                                           | Fishing                                                                                                                                      |                                        |         |         |         | Sample No. & Result                       | W-1028                                |                                                 |
| Colour                     |                                           | Clear                                                                                                                                        |                                        |         |         |         | Test method                               |                                       |                                                 |
| Odour                      |                                           | Odorless                                                                                                                                     |                                        |         |         |         |                                           |                                       |                                                 |
| Temperature                |                                           | 24                                                                                                                                           |                                        |         |         |         |                                           |                                       |                                                 |
| Sl. No                     | Parameters                                | Units                                                                                                                                        | Water quality classification standards |         |         |         |                                           | Sample No. & Result                   | Test method                                     |
|                            |                                           |                                                                                                                                              | A                                      | B       | C       | D       | E                                         |                                       |                                                 |
| 1                          | Dissolved Oxygen                          | mg/L                                                                                                                                         | 6                                      | 5       | 4       | 4       | -                                         | 7.1                                   | IS 3025 (Part-18):2019                          |
| 2                          | pH                                        | pH unit                                                                                                                                      | 6.5-8.5                                | 6.5-8.5 | 6.0-9.0 | 6.5-8.5 | 6.0-8.5                                   | 8                                     | IS 3025 (Part-11):2022                          |
| 3                          | Electrical Conductivity                   | µmho/cm                                                                                                                                      | -                                      | -       | -       | -       | 2250                                      | 850                                   | IS 3025 (Part-14):2019                          |
| 4                          | Bio Chemical Oxygen Demand                | mg/l                                                                                                                                         | 2                                      | 3       | 3       | -       | -                                         | 2.6                                   | IS 3025 (Part-44):2023                          |
| 5                          | Iron as Fe                                | mg/l                                                                                                                                         | -                                      | -       | -       | -       | 2                                         | 0.25                                  | IS 3025 (Part-57):2021                          |
| 6                          | Hexamer Absorption Ratio                  | mmol/l                                                                                                                                       | -                                      | -       | -       | -       | 26                                        | 1.51                                  | IS - 11628 - 2019                               |
| 7                          | Free Ammonia                              | -                                                                                                                                            | -                                      | -       | -       | 1.2     | -                                         | 0.12                                  | APHA 23rd edition 4500 NH <sub>3</sub> -C :2017 |
| 8                          | Nitrate as N                              | mg/L                                                                                                                                         | -                                      | -       | -       | -       | -                                         | 3.9                                   | IS 3025 (part 34)Sec 1:2023                     |
| 9                          | Nitrite as N                              | mg/L                                                                                                                                         | -                                      | -       | -       | -       | -                                         | 1.5                                   | IS 3025 (part 34)Sec 1:2023                     |
| 10                         | Total coliform count                      | MPN/100 ml                                                                                                                                   | 50                                     | 500     | 5000    | -       | -                                         | 5800                                  | APHA 23 <sup>rd</sup> edition 9221-B :2017      |
| 11                         | Faecal Coliform count                     | MPN/100 ml                                                                                                                                   | -                                      | -       | -       | -       | -                                         | 780                                   | APHA 23 <sup>rd</sup> edition 9221-E:2017       |
| 12                         | Turbidity                                 | NTU                                                                                                                                          | -                                      | -       | -       | -       | -                                         | 3.4                                   | IS 3025 (Part-10):2025                          |
| 13                         | Alkalinity-P as CaCO <sub>3</sub>         | mg/L                                                                                                                                         | -                                      | -       | -       | -       | -                                         | NIL                                   | IS 3025 (Part-23):2023                          |
| 14                         | Total alkalinity as CaCO <sub>3</sub>     | mg/L                                                                                                                                         | -                                      | -       | -       | -       | -                                         | 124                                   | IS 3025 (Part-23):2023                          |
| 15                         | Chloride as Cl <sup>-</sup>               | mg/L                                                                                                                                         | -                                      | -       | -       | -       | -                                         | 136                                   | IS 3025 (Part-32):2023                          |
| 16                         | Chemical Oxygen Demand                    | mg/L                                                                                                                                         | -                                      | -       | -       | -       | -                                         | 44                                    | IS 3025 (Part-58):2023                          |
| 17                         | Total Kjeldahl Nitrogen as N              | mg/L                                                                                                                                         | -                                      | -       | -       | -       | -                                         | 4.48                                  | IS 3025 (part 34)Sec 1:2023                     |
| 18                         | Ammonia as N                              | mg/L                                                                                                                                         | -                                      | -       | -       | -       | -                                         | 2.24                                  | IS 3025 (part 34)Sec 1:2023                     |
| 19                         | Total Hardness as CaCO <sub>3</sub>       | mg/L                                                                                                                                         | -                                      | -       | -       | -       | -                                         | 208                                   | IS 3025 (Part-21):2019                          |
| 20                         | Calcium as CaCO <sub>3</sub>              | mg/L                                                                                                                                         | -                                      | -       | -       | -       | -                                         | 92                                    | IS 3025 (Part-30):2019                          |
| 21                         | Calcium as Ca                             | mg/L                                                                                                                                         | -                                      | -       | -       | -       | -                                         | 36.8                                  | IS 3025 (Part-40):2019                          |
| 22                         | Magnesium as CaCO <sub>3</sub>            | mg/L                                                                                                                                         | -                                      | -       | -       | -       | -                                         | 116                                   | IS 3025 (Part-46):2023                          |
| 23                         | Magnesium as Mg                           | mg/L                                                                                                                                         | -                                      | -       | -       | -       | -                                         | 28                                    | IS 3025 (Part-46):2023                          |
| 24                         | Sulphate as SO <sub>4</sub>               | mg/L                                                                                                                                         | -                                      | -       | -       | -       | -                                         | 32                                    | IS 3025 (Part-24):2022                          |
| 25                         | Sodium                                    | mg/L                                                                                                                                         | -                                      | -       | -       | -       | -                                         | 50                                    | IS 3025 (Part-45):2019                          |
| 26                         | Total Dissolved Solids                    | mg/L                                                                                                                                         | -                                      | -       | -       | -       | -                                         | 570                                   | IS 3025 (Part-16):2023                          |
| 27                         | Total Suspended Solids                    | mg/L                                                                                                                                         | -                                      | -       | -       | -       | -                                         | 30                                    | IS 3025 (Part-17):2022                          |
| 28                         | Phosphate                                 | mg/L                                                                                                                                         | -                                      | -       | -       | -       | -                                         | 0.32                                  | IS 3025 (Part-31):2022                          |
| 29                         | Potassium                                 | mg/L                                                                                                                                         | -                                      | -       | -       | -       | -                                         | 17                                    | IS 3025 (Part-48):2019                          |
| 30                         | Fluoride                                  | mg/L                                                                                                                                         | -                                      | -       | -       | -       | -                                         | 0.21                                  | IS 3025 (Part-60):2019                          |
| 31                         | Percent Sodium                            | %                                                                                                                                            | -                                      | -       | -       | -       | -                                         | 37                                    | -                                               |
| 32                         | Carbonate CO <sub>3</sub> <sup>2-</sup>   | mg/L                                                                                                                                         | -                                      | -       | -       | -       | -                                         | NIL                                   | IS 3025 (Part-51):2023                          |
| 33                         | Bicarbonate HCO <sub>3</sub> <sup>-</sup> | mg/L                                                                                                                                         | -                                      | -       | -       | -       | -                                         | 124                                   | IS 3025 (Part-51):2023                          |
| INFERENCE                  |                                           | Sample results Belongs to Class " D " - to prescribed standards with respect to Total coliform as per Primary Water Quality Criteria - CPCB. |                                        |         |         |         |                                           |                                       |                                                 |
|                            |                                           | Designated best use - " D " Propagation of Wild life & Fisheries                                                                             |                                        |         |         |         |                                           |                                       |                                                 |

Note: 1. Standards are mentioned above as per CPCB norms & results pertaining only to the sample tested. Hand written corrections are not valid in this report.  
2. The report shall not be reproduced without the written approval of the laboratory.  
3. BOD: Below Detection Level (BOD=0.5mg/L), mg/L, Milligram per litre NTU:Naphthoturbidity unit, MPN-Most probable Number, mmol/L-Millimoles per litre.  
4. Samples will be stored for a period of 10 days from the date of issue of report.

*Kavitha N*  
Smt. Kavitha N  
Scientific officer  
Regional Laboratory-Mysore

IAS-ANZ



21



Annexure V

## Karnataka State Pollutions Control Board

ಕರ್ನಾಟಕ ರಾಜ್ಯ ಮಾಲಿನ್ಯ ನಿಯಂತ್ರಣ ಮಂಡಳಿ

Regional Office - I, Mysuru (Urban),  
Plot No.:436-D, Hebbal Industrial Area,  
K.R. S. Road, Metagalli, Mysuru - 570 016.

Telephone : 0821 - 2519411  
e-mail : mysore1@kspcb.gov.in

ಪ್ರಾದೇಶಿಕ ಕಛೇರಿ- 1, ಮೈಸೂರು (ನಗರ).  
ಪ್ಲಾಟ್ ನಂ.:436-ಡಿ, ಹೆಬ್ಬಾಳ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶ,  
ಕೆ.ಆರ್.ಎಸ್. ರಸ್ತೆ, ಮೆಟಗಲ್ಲಿ, ಮೈಸೂರು - 570 016  
Fax : 0821 - 2519411  
web : http://kspcb@kar.nic.in

An ISO 9001 : 2015 and ISO 45001:2018 Certified Laboratory

Date:-30/09/2024

### NOTE

**Sub:** Analysis Report of the effluent sample collected on 03.09.2024 from  
Monitoring of Sewage & Sullage effluent near Lingambudhi lake, Mysore-reg

**Ref:** 1) Requisition for Analysis of the sample Dated 04.09.2024  
2) Analysis Report of the SO Lab, Regional Laboratory, Dated.30.09.2024

\*\*\*\*

The Analysis Report of the effluent sample submitted  
Vide letter cited under ref 1 & 2 is herewith enclosed for further needful.

Encl: as above

To,

The Environmental Officer,  
Zonal Office, Mysuru

*Kanshan*  
Scientific Officer  
Regional Laboratory, Mysuru



K.S.P.C.B., Regional  
Office-1, Mysuru(Urban),  
Plot No,436-D, Hebbal  
Industrial Area, K.R.S.  
Road Metagalli, Mysuru -  
570 016.

**KARNATAKA STATE POLLUTION CONTROL BOARD  
REGIONAL LABORATORY MYSURU**

ISO 9001:2015 and ISO 45001:2018 CERTIFIED LABORATORY

ಕೆ.ಸಿ.ಪಿ.ಸಿ.ಬಿ., ಪ್ರಾದೇಶಿಕ  
ಒಫೀಸ್-1, ಮೈಸೂರು (ನಗರ),  
ಪ್ಲಾಟ್ ನಂ.436-ಡಿ, ಹೆಬ್ಬಾಳ  
ಇಂಡಸ್ಟ್ರಿಯಲ್ ಏರಿಯಾ,  
ಕೆ.ಆರ್.ಎಸ್.ರಸ್ತೆ, ಮೆಟಗಾಳ್ಳಿ,  
ಮೈಸೂರು- 570016

**ANALYSIS REPORT**

Date :-30/09/2024

|                        |                                                                                     |                                           |
|------------------------|-------------------------------------------------------------------------------------|-------------------------------------------|
| NAME OF THE INDUSTRY : | Monitoring of Sewage & Sullage effluent near Lingambudhi lake, Mysore               | Page 1 of 2                               |
| SAMPLE COLLECTED BY :  | Smt. Jayalakshmi M J, DEO, RO-1, Mysore(Urban)                                      | DATE OF COMMENCEMENT OF TEST : 04-09-2024 |
| DATE OF COLLECTION :   | 03-09-2024                                                                          | DATE OF COMPLETION OF TEST : 30-09-2024   |
| DATE OF RECEIPT :      | 04-09-2024                                                                          | SAMPLE REPORT NO: <b>WW-159</b>           |
| PARTICULARS            | Sewage from Mysuru City Corporation missing links leading to Lingabudhi Lake Garden | SAMPLE NO : <b>WW-166</b>                 |

| Sl No | Parameters              | Unit | Standards | Results | Test Method                                                |
|-------|-------------------------|------|-----------|---------|------------------------------------------------------------|
| 1     | pH                      | -    | 5.5-9.0   | 6.5     | IS 3025 (Part 11):2022                                     |
| 2     | Suspended Solids        | mg/L | 100       | 15      | IS 3025 (Part 17): 2022                                    |
| 3     | Oil and Grease          | mg/L | 10        | BDL     | IS 3025 (Part 39):2021                                     |
| 4     | Ammonical Nitrogen as N | mg/L | 50        | 15.12   | IS 3025 (Part 34)Sec1: 2023                                |
| 5     | Total Kjeldahl Nitrogen | mg/L | 100       | 19      | IS 3025 (Part 34)Sec1: 2023                                |
| 6     | Free Ammonia            | mg/L | 5         | 0.027   | APHA 23 <sup>rd</sup> edition-4500-NH <sub>3</sub> -C:2017 |
| 7     | BOD                     | mg/L | 30        | 12      | IS 3025 (Part 44): 2023                                    |
| 8     | COD                     | mg/L | 250       | 164     | IS 3025 (Part 58): 2023                                    |
| 9     | Arsenic                 | mg/L | 0.2       | BDL     | APHA 23 <sup>rd</sup> edition 3120-B:2017                  |
| 10    | Mercury                 | mg/L | 0.01      | BDL     | APHA 23 <sup>rd</sup> edition 3111-B:2017                  |
| 11    | Lead                    | mg/L | 0.1       | BDL     | APHA 23 <sup>rd</sup> edition 3120-B:2017                  |
| 12    | Cadmium                 | mg/L | 2         | BDL     | APHA 23 <sup>rd</sup> edition 3120-B:2017                  |
| 13    | Hexavalent Chromium     | mg/L | 0.1       | BDL     | IS 3025 (Part 52): 2019                                    |
| 14    | Chromium                | mg/L | 2         | BDL     | APHA 23 <sup>rd</sup> edition 3120-B:2017                  |
| 15    | Copper                  | mg/L | 3         | BDL     | APHA 23 <sup>rd</sup> edition 3120-B:2017                  |
| 16    | Zinc                    | mg/L | 5         | BDL     | APHA 23 <sup>rd</sup> edition 3120-B:2017                  |
| 17    | Selenium                | mg/L | 0.05      | BDL     | APHA 23 <sup>rd</sup> edition 3120-B:2017                  |
| 18    | Nickel                  | mg/L | 3         | BDL     | APHA 23 <sup>rd</sup> edition 3120-B:2017                  |
| 19    | Cyanide                 | mg/L | 0.2       | BDL     | IS 3025 (Part 27): 2021                                    |

P.T.O

|                        |                                                                                     |                                           |
|------------------------|-------------------------------------------------------------------------------------|-------------------------------------------|
| NAME OF THE INDUSTRY : | Monitoring of Sewage & Sullage effluent near Lingambudhi lake, Mysore               | Page 2 of 2                               |
| SAMPLE COLLECTED BY :  | Smt. Jayalakshmi M J, DEO, RO-1, Mysore (Urban)                                     | DATE OF COMMENCEMENT OF TEST : 04-09-2024 |
| DATE OF COLLECTION :   | 03-09-2024                                                                          | DATE OF COMPLETION OF TEST : 30-09-2024   |
| DATE OF RECEIPT :      | 04-09-2024                                                                          | SAMPLE REPORT NO: WW-159                  |
| PARTICULARS            | Sewage from Mysuru City Corporation missing links leading to Lingabudhi Lake Garden | SAMPLE NO : WW-166                        |

| Sl No | Parameters                                     | Unit      | Standards | Results | Test Method                                 |
|-------|------------------------------------------------|-----------|-----------|---------|---------------------------------------------|
| 20    | Fluoride                                       | mg/L      | 2         | 1.4     | APHA 23 <sup>rd</sup> edition 4500-F-D:2017 |
| 21    | Dissolved (Ortho) Phosphate as PO <sub>4</sub> | mg/L      | 5         | 0.2     | IS 3025(Part 31): 2022                      |
| 22    | Sulphide as S                                  | mg/L      | 2         | BDL     | IS 3025 (Part 29): 2022                     |
| 23    | Phenolic Compounds                             | mg/L      | 1         | BDL     | IS 3025 (Part 43): 2022                     |
| 24    | Manganese                                      | mg/L      | 2         | 0.055   | APHA 23 <sup>rd</sup> edition 3120-B:2017   |
| 25    | Iron                                           | mg/L      | 3         | 0.318   | APHA 23 <sup>rd</sup> edition 3120-B:2017   |
| 26    | Nitrate as N                                   | mg/L      | 10        | 2.62    | IS 3025 (Part 34)Sec1: 2023                 |
| 27    | Total Coliform                                 | MPN/100ml | -         | 2100    | APHA 23 <sup>rd</sup> edition 9221-B:2017   |
| 28    | Fecal Coliform                                 | MPN/100ml | -         | 170     | APHA 23 <sup>rd</sup> edition 9221-E:2017   |

- Note: 1. Particulars & Standards mentioned are as per requisition letter & results pertain only to the sample tested  
 2. The report shall not be reproduced without the written approval of the laboratory.  
 3. Samples will be stored for a period of 15 days from the date of issue of report.

*Kavitha N*  
**Smt. Kavitha N**  
**Scientific officer**  
**Regional Laboratory, Mysore**

----End of Report----

Ph : 0821-2519411



Email:mysore1@kspcb.gov.in  
Website:kspcb.karnataka.gov.in

K.S.P.C.B., Regional  
Office-1, Mysuru(Urban),  
Plot No,436-D, Hebbal  
Industrial Area, K.R.S.  
Road, Metagalli, Mysuru -  
570 016.

**KARNATAKA STATE POLLUTION CONTROL BOARD  
REGIONAL LABORATORY MYSURU**

ISO 9001:2015 and ISO 45001:2018 CERTIFIED LABORATORY

ಕರ್ನಾಟಕ ರಾಜ್ಯದ, ಪ್ರಾದೇಶಿಕ  
ಕಛೇರಿ-1, ಮೈಸೂರು (ನಗರ),  
ಪ್ಲಾಟ್ ನಂ.436-ಡಿ, ಹೆಬ್ಬಾಳ  
ಕೈಗಾರಿಕಾ ಪ್ರದೇಶ,  
ಕೆ.ಆರ್.ಎಸ್.ರಸ್ತೆ, ಮೆತಗಾಳಿ,  
ಮೈಸೂರು- 570016.

**ANALYSIS REPORT**

Date :-30/09/2024

|                        |                                                                            |                                           |
|------------------------|----------------------------------------------------------------------------|-------------------------------------------|
| NAME OF THE INDUSTRY : | Monitoring of Sewage & Sullage effluent near Lingambudhi lake,Mysore       | Page 1 of 2                               |
| SAMPLE COLLECTED BY :  | Smt. Jayalakshmi M J,DEO,RO-1, Mysore(Urban)                               | DATE OF COMMENCEMENT OF TEST : 04-09-2024 |
| DATE OF COLLECTION :   | 03-09-2024                                                                 | DATE OF COMPLETION OF TEST : 30-09-2024   |
| DATE OF RECEIPT :      | 04-09-2024                                                                 | SAMPLE REPORT NO: <b>WW-160</b>           |
| PARTICULARS            | Sewage from MCC/MUDA/Bogadi TP SM missing links leading to Lingabudhi Lake | SAMPLE NO : <b>WW-167</b>                 |

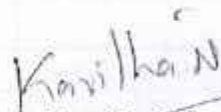
| Sl No | Parameters              | Unit | Standards | Results | Test Method                                                |
|-------|-------------------------|------|-----------|---------|------------------------------------------------------------|
| 1     | pH                      | -    | 5.5-9.0   | 7.2     | IS 3025 (Part 11):2022                                     |
| 2     | Suspended Solids        | mg/L | 100       | 20      | IS 3025 (Part 17): 2022                                    |
| 3     | Oil and Grease          | mg/L | 10        | BDL     | IS 3025 (Part 39):2021                                     |
| 4     | Ammonical Nitrogen as N | mg/L | 50        | 11.76   | IS 3025 (Part 34)Sec1: 2023                                |
| 5     | Total Kjeldahl Nitrogen | mg/L | 100       | 16.2    | IS 3025 (Part 34)Sec1: 2023                                |
| 6     | Free Ammonia            | mg/L | 5         | 0.066   | APHA 23 <sup>rd</sup> edition-4500-NH <sub>3</sub> -C:2017 |
| 7     | BOD                     | mg/L | 30        | 8       | IS 3025 (Part 44): 2023                                    |
| 8     | COD                     | mg/L | 250       | 84      | IS 3025 (Part 58): 2023                                    |
| 9     | Arsenic                 | mg/L | 0.2       | BDL     | APHA 23 <sup>rd</sup> edition 3120-B:2017                  |
| 10    | Mercury                 | mg/L | 0.01      | BDL     | APHA 23 <sup>rd</sup> edition 3111-B:2017                  |
| 11    | Lead                    | mg/L | 0.1       | BDL     | APHA 23 <sup>rd</sup> edition 3120-B:2017                  |
| 12    | Cadmium                 | mg/L | 2         | BDL     | APHA 23 <sup>rd</sup> edition 3120-B:2017                  |
| 13    | Hexavalent Chromium     | mg/L | 0.1       | BDL     | IS 3025 (Part 52): 2019                                    |
| 14    | Chromium                | mg/L | 2         | 0.025   | APHA 23 <sup>rd</sup> edition 3120-B:2017                  |
| 15    | Copper                  | mg/L | 3         | BDL     | APHA 23 <sup>rd</sup> edition 3120-B:2017                  |
| 16    | Zinc                    | mg/L | 5         | BDL     | APHA 23 <sup>rd</sup> edition 3120-B:2017                  |
| 17    | Selenium                | mg/L | 0.05      | BDL     | APHA 23 <sup>rd</sup> edition 3120-B:2017                  |
| 18    | Nickel                  | mg/L | 3         | BDL     | APHA 23 <sup>rd</sup> edition 3120-B:2017                  |
| 19    | Cyanide                 | mg/L | 0.2       | BDL     | IS 3025 (Part 27): 2021                                    |

P.T.O

|                        |                                                                            |                                           |
|------------------------|----------------------------------------------------------------------------|-------------------------------------------|
| NAME OF THE INDUSTRY : | Monitoring of Sewage & Sullage effluent near Lingambudhi lake, Mysore      | Page 2 of 2                               |
| SAMPLE COLLECTED BY :  | Smt. Jayalakshmi M J, DEO, RO-1, Mysore (Urban)                            | DATE OF COMMENCEMENT OF TEST : 04-09-2024 |
| DATE OF COLLECTION :   | 03-09-2024                                                                 | DATE OF COMPLETION OF TEST : 30-09-2024   |
| DATE OF RECEIPT :      | 04-09-2024                                                                 | SAMPLE REPORT NO: WW-160                  |
| PARTICULARS            | Sewage from MCC/MUDA/Bogadi TP SM missing links leading to Lingabudhi Lake | SAMPLE NO : WW-167                        |

| SI No | Parameters                                     | Unit      | Standards | Results | Test Method                                 |
|-------|------------------------------------------------|-----------|-----------|---------|---------------------------------------------|
| 20    | Fluoride                                       | mg/L      | 2         | 1.2     | APHA 23 <sup>rd</sup> edition 4500-F-D:2017 |
| 21    | Dissolved (Ortho) Phosphate as PO <sub>4</sub> | mg/L      | 5         | 5.7     | IS 3025(Part 31): 2022                      |
| 22    | Sulphide as S                                  | mg/L      | 2         | BDL     | IS 3025 (Part 29): 2022                     |
| 23    | Phenolic Compounds                             | mg/L      | 1         | BDL     | IS 3025 (Part 43): 2022                     |
| 24    | Manganese                                      | mg/L      | 2         | BDL     | APHA 23 <sup>rd</sup> edition 3120-B:2017   |
| 25    | Iron                                           | mg/L      | 3         | 0.239   | APHA 23 <sup>rd</sup> edition 3120-B:2017   |
| 26    | Nitrate as N                                   | mg/L      | 10        | 1.62    | IS 3025 (Part 34)Sec1: 2023                 |
| 27    | Total Coliform                                 | MPN/100ml | -         | 1700    | APHA 23 <sup>rd</sup> edition 9221-B:2017   |
| 28    | Fecal Coliform                                 | MPN/100ml | -         | 110     | APHA 23 <sup>rd</sup> edition 9221-E:2017   |

- Note: 1. Particulars & Standards mentioned are as per requisition letter & results pertain only to the sample tested  
 2. The report shall not be reproduced without the written approval of the laboratory.  
 3. Samples will be stored for a period of 15 days from the date of issue of report.

  
**Smt. Kavitha N**  
 Scientific officer  
 Regional Laboratory, Mysore

---End of Report---

Ph : 0821-2519411



Email:mysore1@kspcb.gov.in  
Website:kspcb.karnataka.gov.in

K.S.P.C.B., Regional  
Office-1, Mysuru(Urban),  
Plot No,436-D, Hebbal  
Industrial Area, K.R.S.  
Road, Metagalli, Mysuru -  
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**KARNATAKA STATE POLLUTION CONTROL BOARD  
REGIONAL LABORATORY MYSURU**

ISO 9001:2015 and ISO 45001:2018 CERTIFIED LABORATORY

ಕರ್ನಾಟಕ ಸರ್ಕಾರ, ಪ್ರಾದೇಶಿಕ  
ಇಲಾಖೆ-1, ಮೈಸೂರು (ನಗರ),  
ಪ್ಲಾಟ್ ನಂ:436-ಡಿ, ಹೆಬ್ಬಾಳ,  
ಕೈಗಾರಿಕಾ ಪ್ರದೇಶ,  
ಕೆ.ಆರ್.ಎಸ್.ರಸ್ತೆ, ಮೆತಗಾಳ್ಳಿ,  
ಮೈಸೂರು- 570016

**ANALYSIS REPORT**

Date :-30/09/2024

|                        |                                                                      |                                           |
|------------------------|----------------------------------------------------------------------|-------------------------------------------|
| NAME OF THE INDUSTRY : | Monitoring of Sewage & Sullage effluent near Lingambudhi lake,Mysore | Page 1 of 2                               |
| SAMPLE COLLECTED BY :  | Smt. Jayalakshmi M J,DEO,RO-1, Mysore(Urban)                         | DATE OF COMMENCEMENT OF TEST : 04-09-2024 |
| DATE OF COLLECTION :   | 03-09-2024                                                           | DATE OF COMPLETION OF TEST : 30-09-2024   |
| DATE OF RECEIPT :      | 04-09-2024                                                           | SAMPLE REPORT NO: <b>WW-161</b>           |
| PARTICULARS            | Missing links from MUDA leading to Lingadubhi Lake                   | SAMPLE NO : <b>WW-168</b>                 |

| Sl No | Parameters              | Unit | Standards | Results | Test Method                                                |
|-------|-------------------------|------|-----------|---------|------------------------------------------------------------|
| 1     | pH                      | -    | 5.5-9.0   | 7.1     | IS 3025 (Part 11):2022                                     |
| 2     | Suspended Solids        | mg/L | 100       | 50      | IS 3025 (Part 17): 2022                                    |
| 3     | Oil and Grease          | mg/L | 10        | BDL     | IS 3025 (Part 39):2021                                     |
| 4     | Ammonical Nitrogen as N | mg/L | 50        | 1.68    | IS 3025 (Part 34)Sec1: 2023                                |
| 5     | Total Kjeldahl Nitrogen | mg/L | 100       | 5       | IS 3025 (Part 34)Sec1: 2023                                |
| 6     | Free Ammonia            | mg/L | 5         | 0.009   | APHA 23 <sup>rd</sup> edition-4500-NH <sub>3</sub> -C:2017 |
| 7     | BOD                     | mg/L | 30        | 12      | IS 3025 (Part 44): 2023                                    |
| 8     | COD                     | mg/L | 250       | 96      | IS 3025 (Part 58): 2023                                    |
| 9     | Arsenic                 | mg/L | 0.2       | BDL     | APHA 23 <sup>rd</sup> edition 3120-B:2017                  |
| 10    | Mercury                 | mg/L | 0.01      | BDL     | APHA 23 <sup>rd</sup> edition 3111-B:2017                  |
| 11    | Lead                    | mg/L | 0.1       | BDL     | APHA 23 <sup>rd</sup> edition 3120-B:2017                  |
| 12    | Cadmium                 | mg/L | 2         | BDL     | APHA 23 <sup>rd</sup> edition 3120-B:2017                  |
| 13    | Hexavalent Chromium     | mg/L | 0.1       | BDL     | IS 3025 (Part 52): 2019                                    |
| 14    | Chromium                | mg/L | 2         | BDL     | APHA 23 <sup>rd</sup> edition 3120-B:2017                  |
| 15    | Copper                  | mg/L | 3         | BDL     | APHA 23 <sup>rd</sup> edition 3120-B:2017                  |
| 16    | Zinc                    | mg/L | 5         | BDL     | APHA 23 <sup>rd</sup> edition 3120-B:2017                  |
| 17    | Selenium                | mg/L | 0.05      | BDL     | APHA 23 <sup>rd</sup> edition 3120-B:2017                  |
| 18    | Nickel                  | mg/L | 3         | BDL     | APHA 23 <sup>rd</sup> edition 3120-B:2017                  |
| 19    | Cyanide                 | mg/L | 0.2       | BDL     | IS 3025 (Part 27): 2021                                    |

P.T.O

|                        |                                                                       |                                           |
|------------------------|-----------------------------------------------------------------------|-------------------------------------------|
| NAME OF THE INDUSTRY : | Monitoring of Sewage & Sullage effluent near Lingambudhi lake, Mysore | Page 2 of 2                               |
| SAMPLE COLLECTED BY :  | Smt. Jayalakshmi M J, DEO, RO-1, Mysore (Urban)                       | DATE OF COMMENCEMENT OF TEST : 04-09-2024 |
| DATE OF COLLECTION :   | 03-09-2024                                                            | DATE OF COMPLETION OF TEST : 30-09-2024   |
| DATE OF RECEIPT :      | 04-09-2024                                                            | SAMPLE REPORT NO: WW-161                  |
| PARTICULARS            | Missing links from MUDA leading to Lingadubhi Lake                    | SAMPLE NO : WW-168                        |

| SI No | Parameters                                     | Unit      | Standards | Results | Test Method                                 |
|-------|------------------------------------------------|-----------|-----------|---------|---------------------------------------------|
| 20    | Fluoride                                       | mg/L      | 2         | 1.5     | APHA 23 <sup>rd</sup> edition 4500-F-D:2017 |
| 21    | Dissolved (Ortho) Phosphate as PO <sub>4</sub> | mg/L      | 5         | 3.9     | IS 3025(Part 31): 2022                      |
| 22    | Sulphide as S                                  | mg/L      | 2         | BDL     | IS 3025 (Part 29): 2022                     |
| 23    | Phenolic Compounds                             | mg/L      | 1         | BDL     | IS 3025 (Part 43): 2022                     |
| 24    | Manganese                                      | mg/L      | 2         | BDL     | APHA 23 <sup>rd</sup> edition 3120-B:2017   |
| 25    | Iron                                           | mg/L      | 3         | 0.18    | APHA 23 <sup>rd</sup> edition 3120-B:2017   |
| 26    | Nitrate as N                                   | mg/L      | 10        | 4.42    | IS 3025 (Part 34)Sec1: 2023                 |
| 27    | Total Coliform                                 | MPN/100ml | -         | 1400    | APHA 23 <sup>rd</sup> edition 9221-B:2017   |
| 28    | Fecal Coliform                                 | MPN/100ml | -         | 150     | APHA 23 <sup>rd</sup> edition 9221-E:2017   |

- Note: 1. Particulars & Standards mentioned are as per requisition letter & results pertain only to the sample tested  
 2. The report shall not be reproduced without the written approval of the laboratory.  
 3. Samples will be stored for a period of 15 days from the date of issue of report.

*Kavitha N*  
**Smt. Kavitha N**  
**Scientific officer**  
**Regional Laboratory, Mysore**

---End of Report---



## Karnataka State Pollutions Control Board

### ಕರ್ನಾಟಕ ರಾಜ್ಯ ಮಾಲಿನ್ಯ ನಿಯಂತ್ರಣ ಮಂಡಳಿ

Regional Office - 1, Mysuru (Urban),  
Plot No.:436-D, Hebbal Industrial Area,  
K.R. S. Road, Metagalli, Mysuru - 570 016.  
Telephone : 0821 - 2519411  
e-mail : mysore1@kspcb.gov.in

ಪ್ರಾದೇಶಿಕ ಕಛೇರಿ- 1, ಮೈಸೂರು (ನಗರ).  
ಪ್ಲಾಟ್ ನಂ.:436-ಡಿ, ಹೆಬ್ಬಾಳ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶ,  
ಕೆ.ಆರ್.ಎಸ್. ರಸ್ತೆ, ಮೆಟಗಾಳ್ಳಿ, ಮೈಸೂರು - 570 016.  
Fax : 0821 - 2519411  
web : http://kspcb@kar.nic.in

An ISO 9001 : 2015 and ISO 45001:2018 Certified Laboratory

Date: 07.11.2024

#### NOTE

Sub: Analysis Reports of the Lake water sample collected on 22.10.2024 from  
Hebbal Lake, Kukkarahalli Lake, Dalavai Lake, Yennehole Lake, Shetty Lake, Lingambudhi  
Lake, Karanji Lake, Bommanahalli Lake & Varuna Lake-reg

Ref: 1) Requisition for Analysis of the sample Dated 22.10.2024  
2) Analysis Report of the SO Lab, Regional Laboratory, Dated. 07.11.2024

\*\*\*\*

The Analysis Report of Lake water sample submitted vide letter cited under ref 1 & 2 is  
herewith enclosed for further needful.

Encl: as above

*Kavitha N*  
Scientific Officer  
Regional Laboratory, Mysuru

To,

The Environmental Officer,  
Karnataka State Pollution Control Board  
Regional Office-1 Mysore(Urban)

Ph : 0821-2519411



KARNATAKA STATE POLLUTION CONTROL BOARD  
REGIONAL LABORATORY MYSURU

Email: mysore1@kspcb.gov.in  
Website: kspcb.karnataka.gov.in

K.S.P.C.B. Regional Office-1, Mysuru (Urban), Plot No 436-D, Hebbal Industrial Area, K.R.S. Road, Metagalgi, Mysuru - 570 016.

ISO 9001:2015 and ISO 45001:2018 CERTIFIED LABORATORY

ಕರ್ನಾಟಕ ಮಲಿನೀಕರಣ ನಿಯಂತ್ರಣ ಸಂಸ್ಥೆ  
ಉಪ-ಒ, ಹೆಬ್ಬಾಳೆ ರಸ್ತೆ 436-ಡಿ,  
ಕೆ.ಆರ್.ಎಸ್ ರಸ್ತೆ, ಮೆಟಗಲ್ಗಿ,  
ಮೈಸೂರು ನಗರ, ಮೈಸೂರು-570016

Analysis Report of National Water Monitoring Programme

Date: 07.11.2024

| Name of the River          |                                           | Lingambudhi Lake            |                                        |           |         |           | Page 1 of 1                               |                                                        |                                   |
|----------------------------|-------------------------------------------|-----------------------------|----------------------------------------|-----------|---------|-----------|-------------------------------------------|--------------------------------------------------------|-----------------------------------|
| Regional Office            |                                           | Zonal Office, Mysuru        |                                        |           |         |           | Date of Commencement of Test : 22.10.2024 |                                                        |                                   |
| Sample collected by        |                                           | Environmental office Mysuru |                                        |           |         |           | Date of Completion test : 07.11.2024      |                                                        |                                   |
| Name of the water body     |                                           | Lake                        |                                        |           |         |           | Latitude                                  | 12.269547                                              |                                   |
| River Basin                |                                           |                             |                                        |           |         |           | Longitude                                 | 76.611717                                              |                                   |
| Sub Basin                  |                                           | Karnataka                   |                                        |           |         |           | Station Code                              | 3586                                                   |                                   |
| State name                 |                                           | KSPCB                       |                                        |           |         |           | Monitoring Agency                         | Monthly                                                |                                   |
| Frequency of Monitoring    |                                           | None                        |                                        |           |         |           | Major Pollutant Sources                   | None                                                   |                                   |
| Visible effluent Discharge |                                           | None                        |                                        |           |         |           | Visible effluent Discharge                | None                                                   |                                   |
| Weather                    |                                           | Cloudy                      |                                        |           |         |           | Date of Collection                        | 22.10.2024                                             |                                   |
| Approximate depth          |                                           | 50-100 cm                   |                                        |           |         |           | Time                                      | 13:11 Hrs                                              |                                   |
| Human activities           |                                           | None                        |                                        |           |         |           | Date of Receipt                           | 22.10.2024                                             |                                   |
| Colour                     |                                           | Clear                       |                                        |           |         |           | Sample Report Number                      | W-1562                                                 |                                   |
| Odour                      |                                           | Odourless                   |                                        |           |         |           | Sample Number                             | W-1562                                                 |                                   |
| Temperature                |                                           | 76                          |                                        |           |         |           | Particulars                               | Div of the lake towards south eastern side near Mamapa |                                   |
| Sl. No.                    | Parameters                                | Units                       | Water quality classification standards |           |         |           |                                           | Sample No. & Result                                    | Test method                       |
|                            |                                           |                             | A                                      | B         | C       | D         | E                                         |                                                        |                                   |
| 1                          | Dissolved Oxygen                          | mg/L                        | 6                                      | 5         | 4       | 4         | -                                         | 4.1                                                    | IS 3025 (Part-18) 2019            |
| 2                          | pH                                        | pH unit                     | 6.5 - 8.5                              | 6.5 - 8.5 | 6.5-9.0 | 6.5 - 8.5 | 6.0 - 8.5                                 | 7.5                                                    | IS 3025 (Part-11) 2023            |
| 3                          | Electrical Conductivity                   | µmho/cm                     | -                                      | -         | -       | -         | 2250                                      | 775                                                    | IS 3025 (Part-14) 2019            |
| 4                          | Bio Chemical Oxygen Demand                | mg/L                        | 2                                      | 2         | 3       | -         | -                                         | 4.8                                                    | IS 3025 (Part-44) 2023            |
| 5                          | Nitrite as N                              | mg/L                        | -                                      | -         | -       | -         | -                                         | 1.1                                                    | IS 3025 (part 34)Sec 1 2023       |
| 6                          | Nitrite as N                              | mg/L                        | -                                      | -         | -       | -         | -                                         | 1.1                                                    | IS 3025 (part 34)Sec 1 2023       |
| 7                          | Total coliform count                      | MPN/100 ml                  | 30                                     | 300       | 5000    | -         | -                                         | 7900                                                   | APHA 23rd edition 9221-B 2017     |
| 8                          | Faecal Coliform count                     | MPN/100 ml                  | -                                      | -         | -       | -         | -                                         | 1200                                                   | APHA 23rd edition 9221-E 2017     |
| 9                          | Turbidity                                 | NTU                         | -                                      | -         | -       | -         | -                                         | 5.2                                                    | IS 3025 (Part-10) 2023            |
| 10                         | Alkalinity-P as CaCO <sub>3</sub>         | mg/L                        | -                                      | -         | -       | -         | -                                         | NIL                                                    | IS 3025 (Part-23) 2023            |
| 11                         | Total alkalinity as CaCO <sub>3</sub>     | mg/L                        | -                                      | -         | -       | -         | -                                         | 132                                                    | IS 3025 (Part-23) 2023            |
| 12                         | Chloride as Cl                            | mg/L                        | -                                      | -         | -       | -         | -                                         | 130                                                    | IS 3025 (Part-12) 2023            |
| 13                         | Chemical Oxygen Demand                    | mg/L                        | -                                      | -         | -       | -         | -                                         | 96                                                     | IS 3025 (Part-58) 2023            |
| 14                         | Total Kjeldahl Nitrogen as N              | mg/L                        | -                                      | -         | -       | -         | -                                         | 8.4                                                    | IS 3025 (part 34)Sec 1 2023       |
| 15                         | Ammonia as N                              | mg/L                        | -                                      | -         | -       | -         | -                                         | 4.48                                                   | IS 3025 (part 34)Sec 1 2023       |
| 16                         | Free Ammonia                              | -                           | -                                      | -         | 1.2     | -         | -                                         | 0.08                                                   | APHA 23rd edition 4500 NH3-C 2017 |
| 17                         | Total Hardness as CaCO <sub>3</sub>       | mg/L                        | -                                      | -         | -       | -         | -                                         | 244                                                    | IS 3025 (Part-21) 2019            |
| 18                         | Calcium as CaCO <sub>3</sub>              | mg/L                        | -                                      | -         | -       | -         | -                                         | 112                                                    | IS 3025 (Part-40) 2019            |
| 19                         | Calcium as Ca                             | mg/L                        | -                                      | -         | -       | -         | -                                         | 44.8                                                   | IS 3025 (Part-40) 2019            |
| 20                         | Magnesium as CaCO <sub>3</sub>            | mg/L                        | -                                      | -         | -       | -         | -                                         | 132                                                    | IS 3025 (Part-40) 2023            |
| 21                         | Magnesium as Mg                           | mg/L                        | -                                      | -         | -       | -         | -                                         | 52.08                                                  | IS 3025 (Part-40) 2023            |
| 22                         | Sulphate as SO <sub>4</sub>               | mg/L                        | -                                      | -         | -       | -         | -                                         | 14                                                     | IS 3025 (Part-24) 2022            |
| 23                         | Sodium                                    | mg/L                        | -                                      | -         | -       | -         | -                                         | 560                                                    | IS 3025 (Part-45) 2019            |
| 24                         | Total Dissolved Solids                    | mg/L                        | -                                      | -         | -       | -         | -                                         | 40                                                     | IS 3025 (Part-17) 2022            |
| 25                         | Total Suspended Solids                    | mg/L                        | -                                      | -         | -       | -         | -                                         | 0.58                                                   | IS 3025 (Part-31) 2022            |
| 26                         | Phosphate                                 | mg/L                        | -                                      | -         | -       | -         | -                                         | 0.21                                                   | IS 3025 (Part-37) 2021            |
| 27                         | Boron as B                                | mg/L                        | -                                      | -         | -       | -         | 2                                         | 0.21                                                   | IS 3025 (Part-43) 2019            |
| 28                         | Potassium                                 | mg/L                        | -                                      | -         | -       | -         | -                                         | 12.8                                                   | IS 3025 (Part-66) 2019            |
| 29                         | Fluoride                                  | mg/L                        | -                                      | -         | -       | -         | -                                         | 0.21                                                   | IS 3025 (Part-66) 2019            |
| 30                         | Sodium Absorption Ratio                   | mmol/L                      | -                                      | -         | -       | -         | 26                                        | 0.86                                                   | IS 11024 - 2019                   |
| 31                         | Percent Sodium                            | %                           | -                                      | -         | -       | -         | -                                         | 20.6                                                   | -                                 |
| 32                         | Carbonate CO <sub>3</sub> <sup>2-</sup>   | mg/L                        | -                                      | -         | -       | -         | -                                         | NIL                                                    | IS 3025 (Part-51) 2023            |
| 33                         | Bicarbonate HCO <sub>3</sub> <sup>-</sup> | mg/L                        | -                                      | -         | -       | -         | -                                         | 132                                                    | IS 3025 (Part-51) 2023            |
| 34                         | Iron as Fe                                | mg/L                        | -                                      | -         | -       | -         | -                                         | 0.056                                                  | APHA 23rd edition 3120-B 2017     |
| 35                         | Copper as Cu                              | mg/L                        | -                                      | -         | -       | -         | -                                         | BOL                                                    | APHA 23rd edition 3120-B 2017     |
| 36                         | Zinc as Zn                                | mg/L                        | -                                      | -         | -       | -         | -                                         | 0.031                                                  | APHA 23rd edition 3120-B 2017     |
| 37                         | Nickel as Ni                              | mg/L                        | -                                      | -         | -       | -         | -                                         | BOL                                                    | APHA 23rd edition 3120-B 2017     |
| 38                         | Manganese as Mn                           | mg/L                        | -                                      | -         | -       | -         | -                                         | 0.141                                                  | APHA 23rd edition 3120-B 2017     |
| 39                         | Cadmium as Cd                             | mg/L                        | -                                      | -         | -       | -         | -                                         | BOL                                                    | APHA 23rd edition 3120-B 2017     |
| 40                         | Chromium as Cr                            | mg/L                        | -                                      | -         | -       | -         | -                                         | BOL                                                    | APHA 23rd edition 3120-B 2017     |
| 41                         | Lead as Pb                                | mg/L                        | -                                      | -         | -       | -         | -                                         | BOL                                                    | APHA 23rd edition 3120-B 2017     |

INFERENCE

Sample Results belongs to Class " D " - to prescribed standards with respect to Bio Chemical Oxygen Demand & Total coliform count as per Primary Water Quality Criteria - CPCB.  
Designated best use - " D " - Propagation of wildlife, fisheries

Note: 1. Standards are mentioned above as per CPCB norms & results pertaining only to the sample tested. Hand written corrections are not valid in this report.  
2. The report shall not be reproduced without the written approval of the laboratory.  
3. BOL: Below Detection Level (Boron) 5mg/L, mg/L-Milligram per liter NTU-Nephelometry unit, MPN-Most probable Number, mmol/L-Millimoles per Liter.  
4. Samples will be stored for a period of 10 days from the date of issue of report.

*Kavitha N*  
Smt. Kavitha N  
Scientific officer  
Regional Laboratory-Mysuru

JAS-ANZ

IQC  
INDIAN QUALITY ASSOCIATION  
CERTIFIEDNABCB  
QMS 004IQC  
INDIAN QUALITY ASSOCIATION  
CERTIFIED

## Karnataka State Pollutions Control Board

ಕರ್ನಾಟಕ ರಾಜ್ಯ ಮಾಲಿನ್ಯ ನಿಯಂತ್ರಣ ಮಂಡಳಿ

Regional Office - 1, Mysuru (Urban),  
Plot No.:436-D, Hebbal Industrial Area,  
K.R. S. Road, Metagalli, Mysuru - 570 016.

Telephone : 0821 - 2519411

e-mail : mysore1@kspcb.gov.in

An ISO 9001 : 2015 and ISO 45001:2018 Certified Laboratory

ಪ್ರಾದೇಶಿಕ ಕಛೇರಿ- 1, ಮೈಸೂರು (ನಗರ),  
ಪ್ಲಾಟ್ ನಂ.:436-ಡಿ, ಹೆಬ್ಬಾಳ ರೈಗಾರಿಕಾ ಪ್ರದೇಶ,  
ಕೆ.ಆರ್.ಎಸ್. ರಸ್ತೆ, ಮೆಟಗಾಳ್ಳಿ, ಮೈಸೂರು - 570 016.

Fax : 0821 - 2519411

web : http://kspcb@kar.nic.in

Date: 30.11.2024

### NOTE

**Sub:** Analysis Report of the Lake sample collected on 08.11.2024 from  
Lingambudhi Lake in & around Mysore in different locations-Reg

**Ref:** 1) Requisition for Analysis of the sample Dated 08.11.2024  
2) Analysis Report of the SO Lab, Regional Laboratory, Dated. 30.11.2024

\*\*\*\*\*

The Analysis Report of Lake water sample submitted vide letter cited under ref 1 & 2 is  
herewith enclosed for further needful.

Encl: as above

*Kavitha N*  
Scientific Officer  
Regional Laboratory, Mysuru

To,

The Environmental Officer,  
Karnataka State Pollution Control Board  
Regional Office-1 Mysore(Urban)

Ph - 0821-2519411



Email: mysore@kspcb.gov.in  
Website: kspcb.karnataka.gov.in

K.S.P.C.B., Regional Office-I, Mysuru(Urban), Plot No 136-D, Hebbal Industrial Area, K.R.S. Road, Metagalli, Mysuru - 570 016

**KARNATAKA STATE POLLUTION CONTROL BOARD  
REGIONAL LABORATORY MYSURU**

ISO 9001:2015 and ISO 45001:2018 CERTIFIED LABORATORY

ಇ-ಮೇಲ್: mysore@kspcb.gov.in  
ವೆಬ್‌ಸೈಟ್: kspcb.karnataka.gov.in  
ಕೆ.ಎಸ್.ಪಿ.ಸಿ.ಬಿ., ರಿಜಿಯಲ್ ಆಫೀಸ್-1, ಮೈಸೂರು(ಉರಬನ್), ಪ್ಲಾಟ್ ನಂ. 136-ಡಿ, ಹೆಬ್ಬಾಲ್ ಉದ್ಯಮ ಕ್ಷೇತ್ರ, ಕೆ.ಆರ್.ಎಸ್. ರಸ್ತೆ, ಮೆತಗಾಲ್ಲಿ, ಮೈಸೂರು - 570 016

**Analysis Report of National Water Monitoring Programme**

Date: 30.11.2024

| Name of the River          |                                           | Lijambudhi Lake                                                                                                                                                                                                                               |                                        |         |         |         | Page 1 of 1                               |                     |                                                            |
|----------------------------|-------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|---------|---------|---------|-------------------------------------------|---------------------|------------------------------------------------------------|
| Regional Office            |                                           | Zonal Office, Mysuru                                                                                                                                                                                                                          |                                        |         |         |         | Date of Commencement of Test : 08.11.2024 |                     |                                                            |
| Sample collected by        |                                           | Environmental office Mysuru                                                                                                                                                                                                                   |                                        |         |         |         | Date of Completion test : 30.11.2024      |                     |                                                            |
| Name of the water body     |                                           | Lake                                                                                                                                                                                                                                          |                                        |         |         |         | Latitude                                  |                     |                                                            |
| River Basin                |                                           |                                                                                                                                                                                                                                               |                                        |         |         |         | 17.769347                                 |                     |                                                            |
| Sub Basin                  |                                           | Karnataka                                                                                                                                                                                                                                     |                                        |         |         |         | Longitude                                 |                     |                                                            |
| State name                 |                                           |                                                                                                                                                                                                                                               |                                        |         |         |         | 76.611717                                 |                     |                                                            |
| Monitoring Agency          |                                           | K.S.P.C.B.                                                                                                                                                                                                                                    |                                        |         |         |         | Station Code                              |                     |                                                            |
| Frequency of Monitoring    |                                           | Monthly                                                                                                                                                                                                                                       |                                        |         |         |         | 3586                                      |                     |                                                            |
| Major Pollutant Sources    |                                           | None                                                                                                                                                                                                                                          |                                        |         |         |         | Sampling Month                            |                     |                                                            |
| Visible Effluent Discharge |                                           | None                                                                                                                                                                                                                                          |                                        |         |         |         | Nov-24                                    |                     |                                                            |
| Weather                    |                                           | Clear                                                                                                                                                                                                                                         |                                        |         |         |         | Date of Collection                        |                     |                                                            |
| Approximate depth          |                                           | 50-100 cm                                                                                                                                                                                                                                     |                                        |         |         |         | 08.11.2024                                |                     |                                                            |
| Human activities           |                                           | None                                                                                                                                                                                                                                          |                                        |         |         |         | Time                                      |                     |                                                            |
| Colour                     |                                           | Clear                                                                                                                                                                                                                                         |                                        |         |         |         | Date of Receipt                           |                     |                                                            |
| Odour                      |                                           | Odourless                                                                                                                                                                                                                                     |                                        |         |         |         | 08.11.2024                                |                     |                                                            |
| Temperature                |                                           | 28                                                                                                                                                                                                                                            |                                        |         |         |         | Sample Report Number                      |                     |                                                            |
|                            |                                           |                                                                                                                                                                                                                                               |                                        |         |         |         | W-1615                                    |                     |                                                            |
| Particulars                |                                           | D/S of the lake towards south eastern side near Mantapa (west)                                                                                                                                                                                |                                        |         |         |         | Sample Number                             |                     |                                                            |
|                            |                                           |                                                                                                                                                                                                                                               |                                        |         |         |         | W-1615                                    |                     |                                                            |
| Sl No                      | Parameters                                | Units                                                                                                                                                                                                                                         | Water quality classification standards |         |         |         |                                           | Sample No. & Result | Test method                                                |
|                            |                                           |                                                                                                                                                                                                                                               | A                                      | B       | C       | D       | E                                         |                     |                                                            |
| 1                          | Dissolved Oxygen                          | mg/L                                                                                                                                                                                                                                          | 6                                      | 5       | 4       | 4       | -                                         | 5.8                 | IS 3025 (Part-38):2019                                     |
| 2                          | pH                                        | pH unit                                                                                                                                                                                                                                       | 6.5-8.5                                | 6.5-8.5 | 6.0-9.0 | 6.5-8.5 | 6.6-8.5                                   | 8.3                 | IS 3025 (Part-11):2023                                     |
| 3                          | Electrical Conductivity                   | µmho/cm                                                                                                                                                                                                                                       | -                                      | -       | -       | -       | 2250                                      | 884                 | IS 3025 (Part-11):2019                                     |
| 4                          | Bio Chemical Oxygen Demand                | mg/L                                                                                                                                                                                                                                          | 2                                      | 3       | 3       | -       | -                                         | 4.6                 | IS 3025 (Part-41):2023                                     |
| 5                          | Nitrate as N                              | mg/L                                                                                                                                                                                                                                          | -                                      | -       | -       | -       | -                                         | 4.5                 | IS 3025 (part 34)Sec 1:2023                                |
| 6                          | Nitrite as N                              | mg/L                                                                                                                                                                                                                                          | -                                      | -       | -       | -       | -                                         | 0.76                | IS 3025 (part 34)Sec 1:2023                                |
| 7                          | Total coliform count                      | MPN/100 ml                                                                                                                                                                                                                                    | 50                                     | 500     | 5000    | -       | -                                         | 5800                | APHA 23 <sup>rd</sup> edition 9221-G-2017                  |
| 8                          | Faecal Coliform count                     | MPN/100 ml                                                                                                                                                                                                                                    | -                                      | -       | -       | -       | -                                         | 1100                | APHA 23 <sup>rd</sup> edition 9221-G-2017                  |
| 9                          | Turbidity                                 | NTU                                                                                                                                                                                                                                           | -                                      | -       | -       | -       | -                                         | 3.1                 | IS 3025 (Part-10):2023                                     |
| 10                         | Alkalinity-P in CaCO <sub>3</sub>         | mg/L                                                                                                                                                                                                                                          | -                                      | -       | -       | -       | -                                         | 16                  | IS 3025 (Part-23):2023                                     |
| 11                         | Total alkalinity as CaCO <sub>3</sub>     | mg/L                                                                                                                                                                                                                                          | -                                      | -       | -       | -       | -                                         | 124                 | IS 3025 (Part-23):2023                                     |
| 12                         | Chloride as Cl                            | mg/L                                                                                                                                                                                                                                          | -                                      | -       | -       | -       | -                                         | 132                 | IS 3025 (Part-32):2023                                     |
| 13                         | Chemical Oxygen Demand                    | mg/L                                                                                                                                                                                                                                          | -                                      | -       | -       | -       | -                                         | 58                  | IS 3025 (Part-58):2023                                     |
| 14                         | Total Kjeldhal Nitrogen as N              | mg/L                                                                                                                                                                                                                                          | -                                      | -       | -       | -       | -                                         | 8.4                 | IS 3025 (part 34)Sec 1:2023                                |
| 15                         | Ammonia as N                              | mg/L                                                                                                                                                                                                                                          | -                                      | -       | -       | -       | -                                         | 5.6                 | IS 3025 (part 34)Sec 1:2023                                |
| 16                         | Free Ammonia                              | -                                                                                                                                                                                                                                             | -                                      | -       | -       | 1.2     | -                                         | 0.30                | APHA 23 <sup>rd</sup> edition 4500 NH <sub>3</sub> -C-2017 |
| 17                         | Total Hardness as CaCO <sub>3</sub>       | mg/L                                                                                                                                                                                                                                          | -                                      | -       | -       | -       | -                                         | 212                 | IS 3025 (Part-21):2019                                     |
| 18                         | Calcium as CaCO <sub>3</sub>              | mg/L                                                                                                                                                                                                                                          | -                                      | -       | -       | -       | -                                         | 92                  | IS 3025 (Part-40):2019                                     |
| 19                         | Calcium as Ca                             | mg/L                                                                                                                                                                                                                                          | -                                      | -       | -       | -       | -                                         | 36.8                | IS 3025 (Part-40):2019                                     |
| 20                         | Magnesium as CaCO <sub>3</sub>            | mg/L                                                                                                                                                                                                                                          | -                                      | -       | -       | -       | -                                         | 120                 | IS 3025 (Part-46):2023                                     |
| 21                         | Magnesium as Mg                           | mg/L                                                                                                                                                                                                                                          | -                                      | -       | -       | -       | -                                         | 29                  | IS 3025 (Part-46):2023                                     |
| 22                         | Sulphate as SO <sub>4</sub>               | mg/L                                                                                                                                                                                                                                          | -                                      | -       | -       | -       | -                                         | 24                  | IS 3025 (Part-24):2022                                     |
| 23                         | Sodium                                    | mg/L                                                                                                                                                                                                                                          | -                                      | -       | -       | -       | -                                         | 45                  | IS 3025 (Part-45):2019                                     |
| 24                         | Total Dissolved Solids                    | mg/L                                                                                                                                                                                                                                          | -                                      | -       | -       | -       | -                                         | 560                 | IS 3025 (Part-16):2023                                     |
| 25                         | Total Suspended Solids                    | mg/L                                                                                                                                                                                                                                          | -                                      | -       | -       | -       | -                                         | 26                  | IS 3025 (Part-17):2023                                     |
| 26                         | Phosphate                                 | mg/L                                                                                                                                                                                                                                          | -                                      | -       | -       | -       | -                                         | 0.56                | IS 3025 (Part-31):2022                                     |
| 27                         | Boron as B                                | mg/L                                                                                                                                                                                                                                          | -                                      | -       | -       | -       | 2                                         | 0.21                | IS 3025 (Part-57):2024                                     |
| 28                         | Potassium                                 | mg/L                                                                                                                                                                                                                                          | -                                      | -       | -       | -       | -                                         | 11.2                | IS 3025 (Part-45):2019                                     |
| 29                         | Fluoride                                  | mg/L                                                                                                                                                                                                                                          | -                                      | -       | -       | -       | -                                         | 0.21                | IS 3025 (Part-06):2019                                     |
| 30                         | Sodium Absorption Ratio                   | mmol/L                                                                                                                                                                                                                                        | -                                      | -       | -       | -       | 26                                        | 1.34                | IS : 11604 : 2019                                          |
| 31                         | Percent Sodium                            | %                                                                                                                                                                                                                                             | -                                      | -       | -       | -       | -                                         | 30.2                | -                                                          |
| 32                         | Carbonate CO <sub>3</sub> <sup>2-</sup>   | mg/L                                                                                                                                                                                                                                          | -                                      | -       | -       | -       | -                                         | 32                  | IS 3025 (Part-51):2023                                     |
| 33                         | Bicarbonate HCO <sub>3</sub> <sup>-</sup> | mg/L                                                                                                                                                                                                                                          | -                                      | -       | -       | -       | -                                         | 92                  | IS 3025 (Part-51):2023                                     |
| INFERENCE                  |                                           | Sample results Belongs to Class " D " - to prescribed standards with respect to Bio Chemical Oxygen Demand & Total coliform as per Primary Water Quality Criteria - CPCB .<br>Designated best use -" D " Propagation of Wild life & Fisheries |                                        |         |         |         |                                           |                     |                                                            |

Note: 1. Standards are mentioned above as per CPCB norms & results pertaining only to the sample tested. Hand written corrections are not valid in this report.  
2. The report shall not be reproduced without the written approval of the laboratory.  
3. BDL - Below Detection Level (Boron-0.5mg/L), mg/L-Milligram per litre, NTU-Nepheloturbidity unit, MPN-Most probable Number, mmol/L-Millimoles per Litre  
4. Samples will be stored for a period of 10 days from the date of issue of report.

*Kavitha N*  
Smt.Kavitha N  
Scientific officer  
Regional Laboratory-Mysore

☎ : 0821-2519411



Email: mysore@kspcb.gov.in  
Website: kspcb.karnataka.gov.in

K. SP. C. B. - Regional Office-I, Mysuru (Urban), P.O. No. 436-D, Hebbal Industrial Area, K.R.S. Road, Metagalalli, Mysuru - 570016

**KARNATAKA STATE POLLUTION CONTROL BOARD  
REGIONAL LABORATORY MYSURU**

ISO 9001:2015 and ISO 45001:2018 CERTIFIED LABORATORY

ಕರ್ನಾಟಕ ಸರ್ಕಾರದ ಅಧೀನದಲ್ಲಿ  
ವಿಜಯ ನಗರ, ಮೈಸೂರು ಜಿಲ್ಲೆ 570016  
ರಾಜಕೀಯ ಪ್ರದೇಶ, ಕೆ.ಆರ್.ಎಸ್.  
ರೋಡ್, ಮೆಟಗಲ್ಲು, ಮೈಸೂರು -  
570016

**Analysis Report of National Water Monitoring Programme**

Date: 30.11.2024

|                            |                                           |                                                                                                                                                |                                        |           |         |           |                                           |                     |                                            |
|----------------------------|-------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|-----------|---------|-----------|-------------------------------------------|---------------------|--------------------------------------------|
| Name of the River          |                                           | Lingandubbi Lake                                                                                                                               |                                        |           |         |           | Page 1 of 1                               |                     |                                            |
| Regional Office            |                                           | Zonal Office, Mysuru                                                                                                                           |                                        |           |         |           | Date of Commencement of Test : 08.11.2024 |                     |                                            |
| Sample collected by        |                                           | Environmental officer, Mysuru                                                                                                                  |                                        |           |         |           | Date of Completion test : 30.11.2024      |                     |                                            |
| Name of the water body     |                                           | Lake                                                                                                                                           |                                        |           |         |           | Latitude                                  |                     |                                            |
| River Basin                |                                           |                                                                                                                                                |                                        |           |         |           | 12.269547                                 |                     |                                            |
| Sub Basin                  |                                           | Karnataka                                                                                                                                      |                                        |           |         |           | Longitude                                 |                     |                                            |
| State name                 |                                           |                                                                                                                                                |                                        |           |         |           | 76.611717                                 |                     |                                            |
| Monitoring Agency          |                                           | KNPCL                                                                                                                                          |                                        |           |         |           | Station Code                              |                     |                                            |
| Frequency of Monitoring    |                                           | Monthly                                                                                                                                        |                                        |           |         |           | 3586                                      |                     |                                            |
| Major Pollutant Sources    |                                           | None                                                                                                                                           |                                        |           |         |           | Sampling Month                            |                     |                                            |
| Visible effluent Discharge |                                           | None                                                                                                                                           |                                        |           |         |           | Nov-24                                    |                     |                                            |
| Weather                    |                                           | Cloudy                                                                                                                                         |                                        |           |         |           | Date of Collection                        |                     |                                            |
| Approximate depth          |                                           | 50-100 cm                                                                                                                                      |                                        |           |         |           | 08.11.2024                                |                     |                                            |
| Human activities           |                                           | None                                                                                                                                           |                                        |           |         |           | Time                                      |                     |                                            |
| Colour                     |                                           | Clear                                                                                                                                          |                                        |           |         |           | 10.40 Hrs                                 |                     |                                            |
| Odour                      |                                           | Odourless                                                                                                                                      |                                        |           |         |           | Date of Receipt                           |                     |                                            |
| Temperature                |                                           | 23                                                                                                                                             |                                        |           |         |           | 08.11.2024                                |                     |                                            |
| Particulates               |                                           | US of the lake towards north eastern side from Ramakrishna nagar residential byout (Kantilya School)                                           |                                        |           |         |           | Sample Report Number                      |                     |                                            |
|                            |                                           |                                                                                                                                                |                                        |           |         |           | W-1616                                    |                     |                                            |
| Sl. No.                    | Parameters                                | Units                                                                                                                                          | Water quality classification standards |           |         |           |                                           | Sample No. & Result | Test method                                |
|                            |                                           |                                                                                                                                                | A                                      | B         | C       | D         | E                                         |                     |                                            |
| 1                          | Dissolved Oxygen                          | mg/L                                                                                                                                           | 6                                      | 5         | 4       | 3         | 2                                         | 2.6                 | IS 3025 (Part-36):2019                     |
| 2                          | pH                                        | pH unit                                                                                                                                        | 6.5 - 8.5                              | 6.5 - 8.5 | 6.0-9.0 | 6.5 - 8.5 | 6.0 - 8.5                                 | 7.9                 | IS 3025 (Part-11):2022                     |
| 3                          | Electrical Conductivity                   | µmhos/cm                                                                                                                                       | -                                      | -         | -       | -         | 2250                                      | 901                 | IS 3025 (Part-14):2019                     |
| 4                          | Bio Chemical Oxygen Demand                | mg/L                                                                                                                                           | 2                                      | 3         | 3       | -         | -                                         | 11.8                | IS 3025 (Part-48):2023                     |
| 5                          | Nitrate as N                              | mg/L                                                                                                                                           | -                                      | -         | -       | -         | -                                         | 3.7                 | IS 3025 (part-31)Sec.1:2023                |
| 6                          | Nitrite as N                              | mg/L                                                                                                                                           | -                                      | -         | -       | -         | -                                         | 0.77                | IS 3025 (part-34)Sec.1:2023                |
| 7                          | Total coliform count                      | MPN/100 ml                                                                                                                                     | 50                                     | 500       | 5000    | -         | -                                         | 7000                | APHA 20 <sup>th</sup> edition 9221-40:2017 |
| 8                          | Faecal Coliform count                     | MPN/100 ml                                                                                                                                     | -                                      | -         | -       | -         | -                                         | 1200                | APHA 23 <sup>rd</sup> edition 9221-41:2017 |
| 9                          | Turbidity                                 | NTU                                                                                                                                            | -                                      | -         | -       | -         | -                                         | 8.4                 | IS 3025 (Part-10):2023                     |
| 10                         | Alkalinity-P as CaCO <sub>3</sub>         | mg/L                                                                                                                                           | -                                      | -         | -       | -         | -                                         | Nd                  | IS 3025 (Part-23):2023                     |
| 11                         | Total alkalinity as CaCO <sub>3</sub>     | mg/L                                                                                                                                           | -                                      | -         | -       | -         | -                                         | 136                 | IS 3025 (Part-23):2023                     |
| 12                         | Chloride as Cl                            | mg/L                                                                                                                                           | -                                      | -         | -       | -         | -                                         | 128                 | IS 3025 (Part-52 ):2023                    |
| 13                         | Chemical Oxygen Demand                    | mg/L                                                                                                                                           | -                                      | -         | -       | -         | -                                         | 132                 | IS 3025 (Part-58):2023                     |
| 14                         | Total Kjeldhal Nitrogen as N              | mg/L                                                                                                                                           | -                                      | -         | -       | -         | -                                         | 8.4                 | IS 3025 (part-34)Sec.1:2023                |
| 15                         | Aminonia as N                             | mg/L                                                                                                                                           | -                                      | -         | -       | -         | -                                         | 6.72                | IS 3025 (part-34)Sec.1:2023                |
| 16                         | Free Ammonia                              | -                                                                                                                                              | -                                      | -         | 1.2     | -         | -                                         | 0.36                | APHA 23rd edition 4500 NH3-4: 2017         |
| 17                         | Total Hardness as CaCO <sub>3</sub>       | mg/L                                                                                                                                           | -                                      | -         | -       | -         | -                                         | 244                 | IS 3025 (Part-21):2019                     |
| 18                         | Calcium as CaCO <sub>3</sub>              | mg/L                                                                                                                                           | -                                      | -         | -       | -         | -                                         | 120                 | IS 3025 (Part-40):2019                     |
| 19                         | Calcium as Ca                             | mg/L                                                                                                                                           | -                                      | -         | -       | -         | -                                         | 48                  | IS 3025 (Part-40):2019                     |
| 20                         | Magnesium as CaCO <sub>3</sub>            | mg/L                                                                                                                                           | -                                      | -         | -       | -         | -                                         | 124                 | IS 3025 (Part-46):2023                     |
| 21                         | Magnesium as Mg                           | mg/L                                                                                                                                           | -                                      | -         | -       | -         | -                                         | 30                  | IS 3025 (Part-46):2023                     |
| 22                         | Sulphate as SO <sub>4</sub>               | mg/L                                                                                                                                           | -                                      | -         | -       | -         | -                                         | 31                  | IS 3025 (Part-24):2022                     |
| 23                         | Sodium                                    | mg/L                                                                                                                                           | -                                      | -         | -       | -         | -                                         | 50                  | IS 3025 (Part-45):2019                     |
| 24                         | Total Dissolved Solids                    | mg/L                                                                                                                                           | -                                      | -         | -       | -         | -                                         | 590                 | IS 3025 (Part-16):2023                     |
| 25                         | Total Suspended Solids                    | mg/L                                                                                                                                           | -                                      | -         | -       | -         | -                                         | 48                  | IS 3025 (Part-17):2022                     |
| 26                         | Phosphate                                 | mg/L                                                                                                                                           | -                                      | -         | -       | -         | -                                         | 0.68                | IS 3025 (Part-31):2022                     |
| 27                         | Boron as B                                | mg/L                                                                                                                                           | -                                      | -         | -       | -         | 2                                         | 0.28                | IS 3025 (Part-57):2021                     |
| 28                         | Potassium                                 | mg/L                                                                                                                                           | -                                      | -         | -       | -         | -                                         | 12.1                | IS 3025 (Part-45):2019                     |
| 29                         | Fluoride                                  | mg/L                                                                                                                                           | -                                      | -         | -       | -         | -                                         | 0.32                | IS 3025 (Part-60):2019                     |
| 30                         | Sodium Absorption Ratio                   | mmol/L                                                                                                                                         | -                                      | -         | -       | 26        | -                                         | 1.39                | IS : 11624 : 2019                          |
| 31                         | Percent Sodium                            | %                                                                                                                                              | -                                      | -         | -       | -         | -                                         | 29.5                | -                                          |
| 32                         | Carbonate CO <sub>3</sub> <sup>2-</sup>   | mg/L                                                                                                                                           | -                                      | -         | -       | -         | -                                         | Nd                  | IS 3025 (Part-51):2023                     |
| 33                         | Bicarbonate HCO <sub>3</sub> <sup>-</sup> | mg/L                                                                                                                                           | -                                      | -         | -       | -         | -                                         | 136                 | IS 3025 (Part-51):2023                     |
| INFERENCE                  |                                           | Sample results Belongs to Class " E " - to prescribed standards with respect to Dissolved Oxygen, as per Primary Water Quality Criteria - CPCB |                                        |           |         |           |                                           |                     |                                            |
|                            |                                           | Designated best use- " E " Irrigation, Industrial cooling & controlled waste disposal                                                          |                                        |           |         |           |                                           |                     |                                            |

Note: 1. Standards are mentioned above as per CPCB norms & results pertaining only to the sample tested. Hand written conversions are not valid in this report.  
2. The report shall not be reproduced without the written approval of the laboratory.  
3. BDL: Below Detection Level (Boron-0.5mg/L), mg/L-Milligram per litre NTU-Nepheloturbidity unit, MPN-Most probable Number, mmol/L-Millimoles per Litre.  
4. Samples will be stored for a period of 10 days from the date of issue of report

*Kavitha N*  
Smt. Kavitha, N  
Scientific officer  
Regional Laboratory-Mysore

Ph : 0821-2519411

K. J. P. C. B., Regional Office-I, Mysuru(Urbn), Pl. No-436-D, Hebbal Industrial Area, K. R. S. Road, Metagalli, Mysuru - 570016



KARNATAKA STATE POLLUTION CONTROL BOARD  
REGIONAL LABORATORY MYSURU

ISO 9001:2015 and ISO 45001:2018 CERTIFIED LABORATORY

Analysis Report of National Water Monitoring Programme

Email: mysuru@kspcb.gov.in  
Website: kspcb.karnataka.gov.in

ಇ-ಮೇಲ್: mysuru@kspcb.gov.in  
ವೆಬ್‌ಸೈಟ್: kspcb.karnataka.gov.in

Date: 30.11.2024

| Name of the River          |                                           | Engambudhi Lake                                                                                                                                                                                                            |                                        |           |         |           | Page 1 of 1                              |                     |                                                |
|----------------------------|-------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|-----------|---------|-----------|------------------------------------------|---------------------|------------------------------------------------|
| Regional Office            |                                           | Zonal Office, Mysuru                                                                                                                                                                                                       |                                        |           |         |           | Date of Commencement of Test: 08.11.2024 |                     |                                                |
| Sample collected by        |                                           | Environmental office Mysuru                                                                                                                                                                                                |                                        |           |         |           | Date of Completion test: 30.11.2024      |                     |                                                |
| Name of the water body     |                                           |                                                                                                                                                                                                                            |                                        |           |         |           |                                          |                     |                                                |
| River Basin                |                                           | Lake                                                                                                                                                                                                                       |                                        |           |         |           | Latitude                                 |                     |                                                |
| Sub Basin                  |                                           |                                                                                                                                                                                                                            |                                        |           |         |           | 17.769347                                |                     |                                                |
| State name                 |                                           | Karnataka                                                                                                                                                                                                                  |                                        |           |         |           | Longitude                                |                     |                                                |
| Monitoring Agency          |                                           | KSPCB                                                                                                                                                                                                                      |                                        |           |         |           | 76.611717                                |                     |                                                |
| Frequency of Monitoring    |                                           | Monthly                                                                                                                                                                                                                    |                                        |           |         |           | Station Code                             |                     |                                                |
| Major Pollutant Sources    |                                           | None                                                                                                                                                                                                                       |                                        |           |         |           | 3586                                     |                     |                                                |
| Visible Effluent Discharge |                                           | None                                                                                                                                                                                                                       |                                        |           |         |           | Sampling Month                           |                     |                                                |
| Weather                    |                                           | Clear                                                                                                                                                                                                                      |                                        |           |         |           | Nov-24                                   |                     |                                                |
| Approximate depth          |                                           | 90-100 cm                                                                                                                                                                                                                  |                                        |           |         |           | Date of Collection                       |                     |                                                |
| Human activities           |                                           | None                                                                                                                                                                                                                       |                                        |           |         |           | 08.11.2024                               |                     |                                                |
| Colour                     |                                           | Clear                                                                                                                                                                                                                      |                                        |           |         |           | Time                                     |                     |                                                |
| Odour                      |                                           | Odourless                                                                                                                                                                                                                  |                                        |           |         |           | Date of Receipt                          |                     |                                                |
| Temperature                |                                           | 28                                                                                                                                                                                                                         |                                        |           |         |           | Sample Report Number                     |                     |                                                |
| Particulars                |                                           | UES of the lake near temple                                                                                                                                                                                                |                                        |           |         |           | Sample Number                            |                     |                                                |
|                            |                                           |                                                                                                                                                                                                                            |                                        |           |         |           | W-1617                                   |                     |                                                |
| Sl. No.                    | Parameters                                | Units                                                                                                                                                                                                                      | Water quality classification standards |           |         |           |                                          | Sample No. & Result | Test method                                    |
|                            |                                           |                                                                                                                                                                                                                            | A                                      | B         | C       | D         | E                                        |                     |                                                |
| 1                          | Dissolved Oxygen                          | mg/L                                                                                                                                                                                                                       | 6                                      | 5         | 4       | 4         | -                                        | 6.1                 | IS 3025 (Part-38):2019                         |
| 2                          | pH                                        | pH unit                                                                                                                                                                                                                    | 6.5 - 8.5                              | 6.5 - 8.5 | 6.0-9.0 | 6.5 - 8.5 | 6.0 - 8.5                                | 8.2                 | IS 3025 (Part-11):2022                         |
| 3                          | Electrical Conductivity                   | µmhos/cm                                                                                                                                                                                                                   | -                                      | -         | -       | -         | 2250                                     | 966                 | IS 3025 (Part-14):2019                         |
| 4                          | Bio-Chemical Oxygen Demand                | mg/L                                                                                                                                                                                                                       | 2                                      | 3         | 5       | -         | -                                        | 4.4                 | IS 3025 (Part-44):2023                         |
| 5                          | Nitrate as N                              | mg/L                                                                                                                                                                                                                       | -                                      | -         | -       | -         | -                                        | 4.6                 | IS 3025 (part 34)Sec 1:2023                    |
| 6                          | Nitrite as N                              | mg/L                                                                                                                                                                                                                       | -                                      | -         | -       | -         | -                                        | 0.48                | IS 3025 (part 34)Sec 1:2023                    |
| 7                          | Total coliform count                      | MPN/100 ml                                                                                                                                                                                                                 | 50                                     | 500       | 5000    | -         | -                                        | 4300                | APHA 23rd edition 9221-G-2017                  |
| 8                          | Faecal Coliform count                     | MPN/100 ml                                                                                                                                                                                                                 | -                                      | -         | -       | -         | -                                        | 680                 | APHA 23rd edition 9221-E-2017                  |
| 9                          | Turbidity                                 | NTU                                                                                                                                                                                                                        | -                                      | -         | -       | -         | -                                        | 5.1                 | IS 3025 (Part-10):2023                         |
| 10                         | Alkalinity-P as CaCO <sub>3</sub>         | mg/L                                                                                                                                                                                                                       | -                                      | -         | -       | -         | -                                        | 80                  | IS 3025 (Part-23):2023                         |
| 11                         | Total alkalinity as CaCO <sub>3</sub>     | mg/L                                                                                                                                                                                                                       | -                                      | -         | -       | -         | -                                        | 136                 | IS 3025 (Part-23):2023                         |
| 12                         | Chloride as Cl                            | mg/L                                                                                                                                                                                                                       | -                                      | -         | -       | -         | -                                        | 156                 | IS 3025 (Part-32 ):2023                        |
| 13                         | Chemical Oxygen Demand                    | mg/L                                                                                                                                                                                                                       | -                                      | -         | -       | -         | -                                        | 66                  | IS 3025 (Part-58):2023                         |
| 14                         | Total Kjeldhal Nitrogen as N              | mg/L                                                                                                                                                                                                                       | -                                      | -         | -       | -         | -                                        | 5.6                 | IS 3025 (part 34)Sec 1:2023                    |
| 15                         | Ammonia as N                              | mg/L                                                                                                                                                                                                                       | -                                      | -         | -       | -         | -                                        | 4.48                | IS 3025 (part 34)Sec 1:2023                    |
| 16                         | Free Ammonia                              | -                                                                                                                                                                                                                          | -                                      | -         | -       | 1.2       | -                                        | 0.24                | APHA 23rd edition 4500 NH <sub>3</sub> -C-2017 |
| 17                         | Total Hardness as CaCO <sub>3</sub>       | mg/L                                                                                                                                                                                                                       | -                                      | -         | -       | -         | -                                        | 276                 | IS 3025 (Part-31):2019                         |
| 18                         | Calcium as CaCO <sub>3</sub>              | mg/L                                                                                                                                                                                                                       | -                                      | -         | -       | -         | -                                        | 132                 | IS 3025 (Part-40):2019                         |
| 19                         | Calcium as Ca                             | mg/L                                                                                                                                                                                                                       | -                                      | -         | -       | -         | -                                        | 52.8                | IS 3025 (Part-40):2019                         |
| 20                         | Magnesium as CaCO <sub>3</sub>            | mg/L                                                                                                                                                                                                                       | -                                      | -         | -       | -         | -                                        | 144                 | IS 3025 (Part-46):2023                         |
| 21                         | Magnesium as Mg                           | mg/L                                                                                                                                                                                                                       | -                                      | -         | -       | -         | -                                        | 35                  | IS 3025 (Part-46):2023                         |
| 22                         | Sulphate as SO <sub>4</sub>               | mg/L                                                                                                                                                                                                                       | -                                      | -         | -       | -         | -                                        | 35                  | IS 3025 (Part-24):2022                         |
| 23                         | Sodium                                    | mg/L                                                                                                                                                                                                                       | -                                      | -         | -       | -         | -                                        | 45                  | IS 3025 (Part-45):2019                         |
| 24                         | Total Dissolved Solids                    | mg/L                                                                                                                                                                                                                       | -                                      | -         | -       | -         | -                                        | 630                 | IS 3025 (Part-16):2023                         |
| 25                         | Total Suspended Solids                    | mg/L                                                                                                                                                                                                                       | -                                      | -         | -       | -         | -                                        | 44                  | IS 3025 (Part-17):2022                         |
| 26                         | Phosphate                                 | mg/L                                                                                                                                                                                                                       | -                                      | -         | -       | -         | -                                        | 0.64                | IS 3025 (Part-51):2022                         |
| 27                         | Boron as B                                | mg/L                                                                                                                                                                                                                       | -                                      | -         | -       | -         | 2                                        | 0.14                | IS 3025 (Part-57):2021                         |
| 28                         | Potassium                                 | mg/L                                                                                                                                                                                                                       | -                                      | -         | -       | -         | -                                        | 11.5                | IS 3025 (Part-45):2019                         |
| 29                         | Fluoride                                  | mg/L                                                                                                                                                                                                                       | -                                      | -         | -       | -         | -                                        | 0.24                | IS 3025 (Part-60):2019                         |
| 30                         | Sodium Absorption Ratio                   | mmol/L                                                                                                                                                                                                                     | -                                      | -         | -       | -         | 26                                       | 1.18                | IS 11624 : 2019                                |
| 31                         | Percent Sodium                            | %                                                                                                                                                                                                                          | -                                      | -         | -       | -         | -                                        | 25.2                | -                                              |
| 32                         | Carbonate CO <sub>3</sub> <sup>2-</sup>   | mg/L                                                                                                                                                                                                                       | -                                      | -         | -       | -         | -                                        | Nil                 | IS 3025 (Part-51):2023                         |
| 33                         | Bicarbonate HCO <sub>3</sub> <sup>-</sup> | mg/L                                                                                                                                                                                                                       | -                                      | -         | -       | -         | -                                        | 136                 | IS 3025 (Part-51):2023                         |
| INFERENCE                  |                                           | Sample results Belongs to Class " D " to prescribed standards with respect to Bio Chemical Oxygen Demand , as per Primary Water Quality Criteria – CPCB.<br>Designated best use " D " Propagation of Wild life & Fisheries |                                        |           |         |           |                                          |                     |                                                |

Note: 1. Standards are mentioned above as per CPCB norms & results pertaining only to the sample tested. Hand written corrections are not valid in this report.  
2. The report shall not be reproduced without the written approval of the laboratory.  
3. BDL - Below Detection Level (Boron-0.5mg/L), mg/L-Milligram per litre NTU-Nephelometric turbidity unit, MPN-Most probable Number, mmol/L-Millimoles per litre  
4. Samples will be stored for a period of 10 days from the date of issue of report.

*Kavitha N*  
Smt.Kavitha.N  
Scientific officer  
Regional Laboratory-Mysore

Ph : 0821-2519411



Email: mysore@kspcb.gov.in  
Website: kspcb.karnataka.gov.in

K.S.P.C.B. - Regional Office-I, Mysuru(Urban)  
Plot No 436-D, Hebbal Industrial Area, K.R.S. Road, Metagalhi, Mysuru-570016

KARNATAKA STATE POLLUTION CONTROL BOARD  
REGIONAL LABORATORY MYSURU

ISO 9001:2015 and ISO 45001:2018 CERTIFIED LABORATORY

ಕರ್ನಾಟಕ ರಾಜ್ಯದ ಮಾಲಿನ್ಯ ನಿಯಂತ್ರಣ ಮತ್ತು ಸಂರಕ್ಷಣೆ ಇಲಾಖೆ  
ಕೆ.ಎಸ್.ಪಿ.ಸಿ.ಬಿ. - ಪ್ರಾದೇಶಿಕ ಕಛೇರಿ-1, ಹೆಬ್ಬಾಳ  
ಇಂಡಸ್ಟ್ರಿಯಲ್ ಆರಿಯ, ಕೆ.ಆರ್.ಎಸ್. ರಸ್ತೆ, ಮೆತಗಾಳಿ,  
ಮೈಸೂರು-570016

Analysis Report of National Water Monitoring Programme

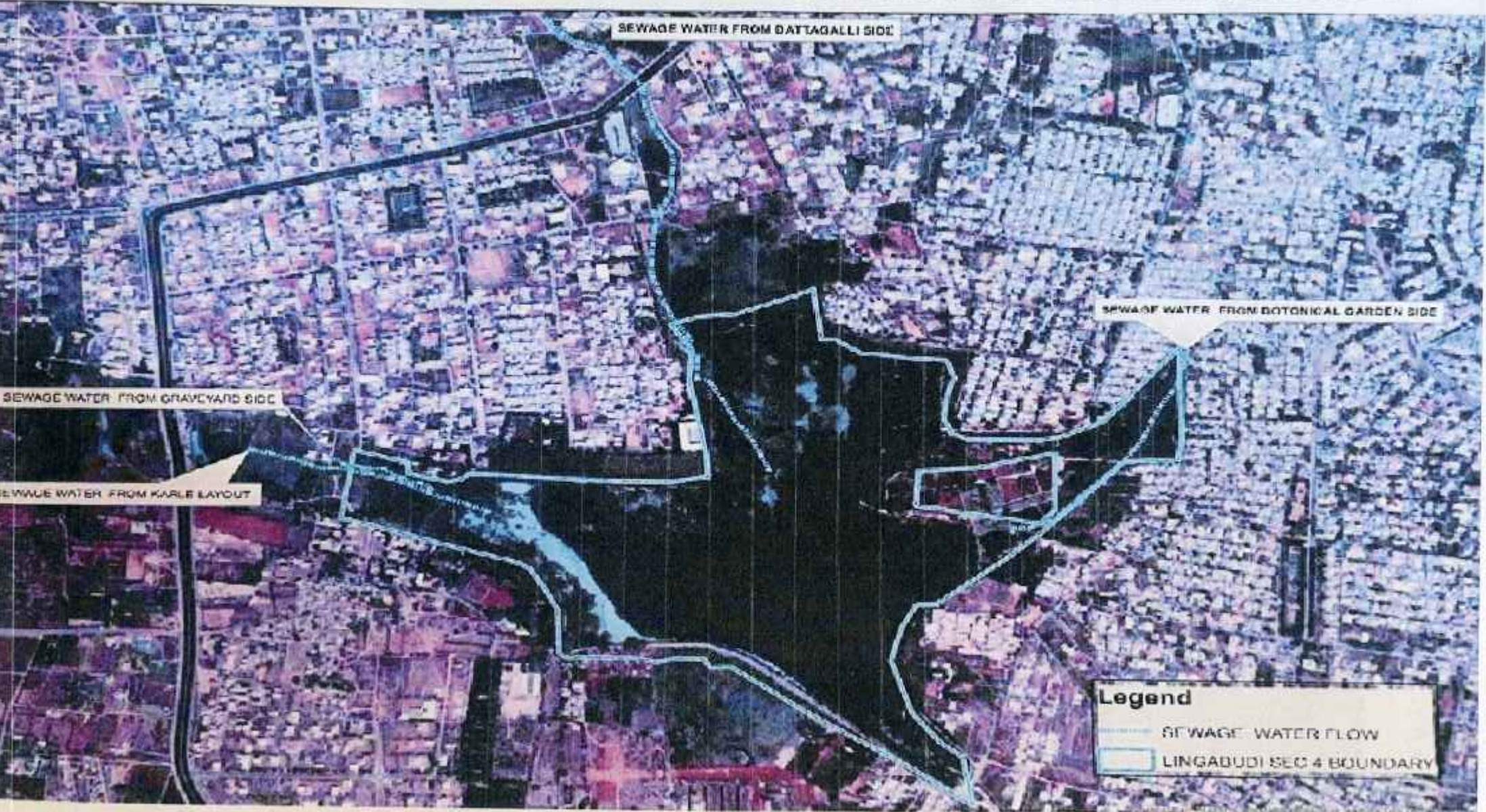
Date: 08.11.2024

| Name of the River          |                                           | Lingambudhi Lake                                                                                                                                |                                        |         |         |         | Page 1 of 1                              |                     |                                                |
|----------------------------|-------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|---------|---------|---------|------------------------------------------|---------------------|------------------------------------------------|
| Regional Office            |                                           | Zonal Office, Mysuru                                                                                                                            |                                        |         |         |         | Date of Commencement of Test: 08.11.2024 |                     |                                                |
| Sample collected by        |                                           | Environmental office, Mysuru                                                                                                                    |                                        |         |         |         | Date of completion test: 08.11.2024      |                     |                                                |
| Name of the water body     |                                           | Lake                                                                                                                                            |                                        |         |         |         | Latitude                                 |                     |                                                |
| River Basin                |                                           |                                                                                                                                                 |                                        |         |         |         | 12.260547                                |                     |                                                |
| Sub Basin                  |                                           | Karnataka                                                                                                                                       |                                        |         |         |         | Longitude                                |                     |                                                |
| State name                 |                                           |                                                                                                                                                 |                                        |         |         |         | 76.611717                                |                     |                                                |
| Monitoring Agency          |                                           | KSPCB                                                                                                                                           |                                        |         |         |         | Station Code                             |                     |                                                |
| Frequency of Monitoring    |                                           | Monthly                                                                                                                                         |                                        |         |         |         | 3586                                     |                     |                                                |
| Major Pollutant Sources    |                                           | None                                                                                                                                            |                                        |         |         |         | Sampling Month                           |                     |                                                |
| Visible effluent Discharge |                                           | None                                                                                                                                            |                                        |         |         |         | Nov-24                                   |                     |                                                |
| Weather                    |                                           | Clear                                                                                                                                           |                                        |         |         |         | Date of Collection                       |                     |                                                |
| Approximate depth          |                                           | 50-100 cm                                                                                                                                       |                                        |         |         |         | 08.11.2024                               |                     |                                                |
| Human activities           |                                           | None                                                                                                                                            |                                        |         |         |         | Time                                     |                     |                                                |
| Colour                     |                                           | Clear                                                                                                                                           |                                        |         |         |         | Date of Receipt                          |                     |                                                |
| Odour                      |                                           | Odourless                                                                                                                                       |                                        |         |         |         | 08.11.2024                               |                     |                                                |
| Temperature                |                                           | 22                                                                                                                                              |                                        |         |         |         | Sample Report Number                     |                     |                                                |
|                            |                                           |                                                                                                                                                 |                                        |         |         |         | W-1618                                   |                     |                                                |
| Particulars                |                                           | URS of the lake near Lingambudhi palya                                                                                                          |                                        |         |         |         | Sample Number                            |                     |                                                |
|                            |                                           |                                                                                                                                                 |                                        |         |         |         | W-1618                                   |                     |                                                |
| Sl. No                     | Parameters                                | Units                                                                                                                                           | Water quality classification standards |         |         |         |                                          | Sample No. & Result | Test method                                    |
|                            |                                           |                                                                                                                                                 | A                                      | B       | C       | D       | E                                        |                     |                                                |
| 1                          | Dissolved Oxygen                          | mg/l                                                                                                                                            | 6                                      | 5       | 4       | 4       | -                                        | 2.6                 | IS:3025 (Part-38):2019                         |
| 2                          | pH                                        | pH unit                                                                                                                                         | 6.5-8.5                                | 6.5-8.5 | 6.0-9.0 | 6.5-8.5 | 6.0-8.5                                  | 7.6                 | IS:3025 (Part-11):2022                         |
| 3                          | Electrical Conductivity                   | µmhos/cm                                                                                                                                        | -                                      | -       | -       | -       | 2250                                     | 9.75                | IS:3025 (Part-14):2019                         |
| 4                          | Bio Chemical Oxygen Demand                | mg/l                                                                                                                                            | 2                                      | 3       | 3       | -       | -                                        | 12.8                | IS:3025 (Part-44):2023                         |
| 5                          | Nitrate as N                              | mg/l                                                                                                                                            | -                                      | -       | -       | -       | -                                        | 4.1                 | IS:3025 (part 34)Sec 1:2023                    |
| 6                          | Nitrite as N                              | mg/l                                                                                                                                            | -                                      | -       | -       | -       | -                                        | 0.96                | IS:3025 (part 34)Sec 1:2023                    |
| 7                          | Total coliform count                      | MPN/100 ml                                                                                                                                      | 50                                     | 500     | 5000    | -       | -                                        | 7900                | APHA 23rd edition 9221-B:2017                  |
| 8                          | Faecal Coliform count                     | MPN/100 ml                                                                                                                                      | -                                      | -       | -       | -       | -                                        | 2200                | APHA 23rd edition 9221-B:2017                  |
| 9                          | Turbidity                                 | NTU                                                                                                                                             | -                                      | -       | -       | -       | -                                        | 9.2                 | IS:3025 (Part-10):2023                         |
| 10                         | Alkalinity-P as CaCO <sub>3</sub>         | mg/l                                                                                                                                            | -                                      | -       | -       | -       | -                                        | Nil                 | IS:3025 (Part-23):2023                         |
| 11                         | Total alkalinity as CaCO <sub>3</sub>     | mg/l                                                                                                                                            | -                                      | -       | -       | -       | -                                        | 140                 | IS:3025 (Part-23):2023                         |
| 12                         | Chloride as Cl                            | mg/l                                                                                                                                            | -                                      | -       | -       | -       | -                                        | 148                 | IS:3025 (Part-32):2023                         |
| 13                         | Chemical Oxygen Demand                    | mg/l                                                                                                                                            | -                                      | -       | -       | -       | -                                        | 148                 | IS:3025 (Part-58):2023                         |
| 14                         | Total Kjeldhal Nitrogen as N              | mg/l                                                                                                                                            | -                                      | -       | -       | -       | -                                        | 7.28                | IS:3025 (part 34)Sec 1:2023                    |
| 15                         | Ammonia as N                              | mg/l                                                                                                                                            | -                                      | -       | -       | -       | -                                        | 6.72                | IS:3025 (part 34)Sec 1:2023                    |
| 16                         | Free Ammonia                              | -                                                                                                                                               | -                                      | -       | 1.2     | -       | -                                        | 0.12                | APHA 23rd edition 4500 NH <sub>4</sub> -C:2017 |
| 17                         | Total Hardness as CaCO <sub>3</sub>       | mg/l                                                                                                                                            | -                                      | -       | -       | -       | -                                        | 252                 | IS:3025 (Part-21):2019                         |
| 18                         | Calcium as CaCO <sub>3</sub>              | mg/l                                                                                                                                            | -                                      | -       | -       | -       | -                                        | 134                 | IS:3025 (Part-40):2019                         |
| 19                         | Calcium as Ca                             | mg/l                                                                                                                                            | -                                      | -       | -       | -       | -                                        | 49.6                | IS:3025 (Part-40):2019                         |
| 20                         | Magnesium as CaCO <sub>3</sub>            | mg/l                                                                                                                                            | -                                      | -       | -       | -       | -                                        | 128                 | IS:3025 (Part-46):2023                         |
| 21                         | Magnesium as Mg                           | mg/l                                                                                                                                            | -                                      | -       | -       | -       | -                                        | 31                  | IS:3025 (Part-46):2023                         |
| 22                         | Sulphate as SO <sub>4</sub>               | mg/l                                                                                                                                            | -                                      | -       | -       | -       | -                                        | 31                  | IS:3025 (Part-34):2023                         |
| 23                         | Sodium                                    | mg/l                                                                                                                                            | -                                      | -       | -       | -       | -                                        | 26                  | IS:3025 (Part-45):2019                         |
| 24                         | Total Dissolved Solids                    | mg/l                                                                                                                                            | -                                      | -       | -       | -       | -                                        | 600                 | IS:3025 (Part-16):2023                         |
| 25                         | Total Suspended Solids                    | mg/l                                                                                                                                            | -                                      | -       | -       | -       | -                                        | 48                  | IS:3025 (Part-17):2023                         |
| 26                         | Phosphate                                 | mg/l                                                                                                                                            | -                                      | -       | -       | -       | -                                        | 0.26                | IS:3025 (Part-51):2022                         |
| 27                         | Boron as B                                | mg/l                                                                                                                                            | -                                      | -       | -       | 2       | -                                        | 0.11                | IS:3025 (Part-57):2021                         |
| 28                         | Potassium                                 | mg/l                                                                                                                                            | -                                      | -       | -       | -       | -                                        | 11.4                | IS:3025 (Part-45):2019                         |
| 29                         | Fluoride                                  | mg/l                                                                                                                                            | -                                      | -       | -       | -       | -                                        | 0.19                | IS:3025 (Part-60):2019                         |
| 30                         | Sodium Absorption Ratio                   | mmol/L                                                                                                                                          | -                                      | -       | -       | -       | 26                                       | 0.99                | IS:11624:2019                                  |
| 31                         | Percent Sodium                            | %                                                                                                                                               | -                                      | -       | -       | -       | -                                        | 22.7                | -                                              |
| 32                         | Carbonate CO <sub>3</sub> <sup>2-</sup>   | mg/l                                                                                                                                            | -                                      | -       | -       | -       | -                                        | Nil                 | IS:3025 (Part-51):2023                         |
| 33                         | Bicarbonate HCO <sub>3</sub> <sup>-</sup> | mg/l                                                                                                                                            | -                                      | -       | -       | -       | -                                        | 140                 | IS:3025 (Part-51):2023                         |
| INFERENCE                  |                                           | Sample results "Belongs to "Class " E " to prescribed standards with respect to Dissolved Oxygen, as per Primary Water Quality Criteria - CPCB. |                                        |         |         |         |                                          |                     |                                                |
|                            |                                           | Designated best use - " E " Irrigation, Industrial cooling & controlled waste disposal                                                          |                                        |         |         |         |                                          |                     |                                                |

Note: 1. Standards are mentioned above as per CPCB norms & results pertaining only to the sample tested. Hand written corrections are not valid in this report.  
2. The report shall not be reproduced without the written approval of the laboratory.  
3. BDL - Below Detection Level (Biom-0.5mg/L), mg/L-Milligram per litre NTU-Nepheloturbidity unit, MPN-Most probable Number, mmol/L-Millimoles per litre  
4. Samples will be stored for a period of 10 days from the date of issue of report

Kavitha N  
Smt. Kavitha N  
Scientific officer  
Regional Laboratory-Mysuru

MAP SHOWING THE DETAILS OF SEWAGE WATER FLOW TO LINGABUDI LAKE FOREST











GPS Map Camera  
 Mysuru, Karnataka, India  
 104, 11th Cross 6th Main, Karle Habitat, Lingambudhi Palya,  
 Dattagalli 3rd Stage, Mysuru, Aryajayantahundi, Karnataka  
 570034, India  
 Lat 12.271014° Long 76.60647°  
 30/12/24 01:38 PM GMT +05:30



GPS Map Camera  
 Mysuru, Karnataka, India  
 BS, Vivekananda Nagar, Vivekananda Nagar,  
 Mysuru, Karnataka 570023, India  
 Lat 12.277132° Long 76.622363°  
 30/12/24 01:47 PM GMT +05:30



GPS Map Camera  
 Mysuru, Karnataka, India  
 Laxshmi Nilayam, 1437, Vivekananda Nagar,  
 Mysuru, Karnataka 570023, India  
 Lat 12.273562° Long 76.619266°  
 30/12/24 01:58 PM GMT +05:30



GPS Map Camera  
 Mysuru, Karnataka, India  
 Laxshmi Nilayam, 1437, Vivekananda Nagar,  
 Mysuru, Karnataka 570023, India  
 Lat 12.273562° Long 76.619266°  
 30/12/24 01:58 PM GMT +05:30



GPS Map Camera  
 Mysuru, Karnataka, India  
 Laxshmi Nilayam, 1437, Vivekananda Nagar,  
 Mysuru, Karnataka 570023, India  
 Lat 12.27361° Long 76.619207°  
 30/12/24 01:58 PM GMT +05:30



GPS Map Camera  
 Mysuru, Karnataka, India  
 7th+8th, Dattagalli 3rd Stage, Mysuru,  
 Aryajayantahundi, Karnataka 570023, India  
 Lat 12.272437° Long 76.601315°  
 30/12/24 02:15 PM GMT +05:30



GPS Map Camera  
 Mysuru, Karnataka, India  
 7th+8th, Dattagalli 3rd Stage, Mysuru,  
 Aryajayantahundi, Karnataka 570023, India  
 Lat 12.272428° Long 76.601304°  
 30/12/24 02:15 PM GMT +05:30

**Latest Action Taken Report on Lingabudhi lake with respect to OA No.174 of 2023 (SZ)/24.11.2023**

| Sl. No. | Proposed Remedial measures                                                                                                                                                                                                                                              | Proposed Time line for execution | Action taken report as on 30-12-2024                                                                                                                                                                                                                                                                            |                                                                        |                                |
|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------|--------------------------------|
|         |                                                                                                                                                                                                                                                                         |                                  | MUDA Letter dated on 30-12-2024                                                                                                                                                                                                                                                                                 | Forest Department Letter dated on 26-12-2024                           | MCC Letter dated on 11-11-2024 |
| 1       | Rejuvenation of lake by introducing suitable local Fish species as a biological restoration                                                                                                                                                                             |                                  | NA                                                                                                                                                                                                                                                                                                              | Induction Fish hatchlings have been carried out in this Monsoon season |                                |
| 2       | To monitor the Septic tank provided in 2 Private Layouts located at Western side of the tank and desludging the septic tank regularly as a short term plan. De-sludge water without allowing to over flow and join lake is proposed to transport and treated at MCC STP | Within 6 months                  | At present there is no overflow from the septic tank provided in 2 private layouts located at western side of the tank. These 2 septic tanks will be monitored periodically, once there is overflow De-sludge water will be transported and treated at MCC STP.<br><br>Estimated Cost (Rs. In lakhs)<br>2480.00 | NA                                                                     |                                |

|   |                                                                                                                                                                                                                                                                                    |                 |                                                                                                                                                                                                                                                               |                                                                                                                   |  |
|---|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|--|
| 3 | <p>a.Establishment of Decentralized treatment plant with provision to utilize the treated effluent for gardening (long term plan)</p> <p>b.Connecting the sewer line to ADB main line of MCC located near the Lingambudhi tank and further treat in STP located at Rayanakere.</p> | Within 2 years  | <p>Estimate has been submitted to Secretary, UD Dept. for obtaining Administrative Approval vide letter No. MUDA/Z 7/Lake Development/2023-24 Dated:16.02.2024. Reminder Letter placed on dated: 29.05.2024 &amp; 26.08.2024 for Administrative approval.</p> | NA                                                                                                                |  |
| 4 | To install environmentally friendly floating aerators / surface aerators / diffusers                                                                                                                                                                                               |                 | NA                                                                                                                                                                                                                                                            | 2 Nos surface Aerators have been already installed & two combo submersible aerator & mixer have been proposed now |  |
| 5 | To place the Screen chamber at suitable locations along the Raja Kaluvas for cleaning of sewers periodically.                                                                                                                                                                      | Within 6 months | Tender has been invited vide Tender Notification No.MUDA/SE/PB/TN 14/2023-24 Dated 04.03.2024. None of the bidders have participated in the tender. Hence tender was recalled on dated 09.09.2024 and it is pending for approval                              | NA                                                                                                                |  |
| 6 | Restoration of all natural storm                                                                                                                                                                                                                                                   | Within          | Estimate has been submitted to Secretary, UD Dept                                                                                                                                                                                                             |                                                                                                                   |  |

|   |                                                                                                                         |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                     |  |
|---|-------------------------------------------------------------------------------------------------------------------------|----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--|
|   | water drains by interception and diversion of sewage to the existing nearby STPs or to the new STP of adequate capacity | one year | <p>for obtaining Administrative Approval vide letter MUDA/SE/Lake Rejuvenation/2023-24 No. Dated 05.01.2024. Reminder sent to Govt. As soon as administrative approval is accorded approval tender will be invited and the work will be taken up immediately after the award of contract may be within a period of 1 year. The DPR has been prepared amounting to Rs.24.80Cr. in the DPR provision for 3.96kms of RCC outfall sewer, wet well pumping machineries 6.7kms DI rasing main and allied works to treat the sewage in the existing STP at Rayanakere. The same has been submitted to Govt. vide this office letter Dt. 17-02-2024 for according administrative approval.</p> <p>As soon administrative approval is obtained, tender will be invited and work will be taken up.</p> | NA                                                                                  |  |
| 7 | Periodic De-weeding using mechanical equipment                                                                          |          | NA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Proposed to take up in upcoming summer                                              |  |
| 8 | Provision of Water Sports Like Kayaking, Peddling etc.,                                                                 |          | NA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Feasibility assessment is being conducted for eco-friendly & low noise water sports |  |
| 9 | Periodic De-sludging/De-                                                                                                |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Proposed to take up in                                                              |  |

|    |                                                              |  |    |                                                             |                                                                                                                                                                                           |
|----|--------------------------------------------------------------|--|----|-------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    | silting of lake to enhance capacity of the lake              |  | NA | upcoming summer                                             |                                                                                                                                                                                           |
| 10 | Measurement of inflow at all the drains contributing to flow |  | NA | <b>V notch</b> flow measurement is proposed to be installed |                                                                                                                                                                                           |
| 11 | Missing UGD links                                            |  |    |                                                             | <p>Near Ashraya badavane, TP Bogadi</p> <p>Action taken: Missing link addressed and flow arrested by Bogadhi Town panchayat.</p>                                                          |
|    |                                                              |  |    |                                                             | <p>Near cabana hotel in ward number 44 of Bogadi TP</p> <p>Action taken: Compliance report of Bogadhi Town Panchayat attached.</p>                                                        |
|    |                                                              |  |    |                                                             | <p>Near Deaf &amp; Dum school in ward no.44 of MCC</p> <p>Action taken: Missing link addressed by Mysuru city corporation.</p>                                                            |
|    |                                                              |  |    |                                                             | <p>Linabudi lake road to Udayaravi Road through Dakshineswar Road of MCC (Trunk line sewer for ultimate flow) Measures already taken to nearby manhole and completion of UGD network.</p> |

|    |                                                                                                                                 |  |    |  |                                                                       |
|----|---------------------------------------------------------------------------------------------------------------------------------|--|----|--|-----------------------------------------------------------------------|
|    |                                                                                                                                 |  |    |  | Action taken:<br>Work is in progress, will be completed by 30/04/2025 |
| 12 | To install Screen chamber and silt traps in storm water drains leading to Lingabudhi Lake to arrest floating and silt materials |  | NA |  | Ward no. 44,45 & 46<br><br>LOA Issued                                 |

- NOTE:** 1. Range Forest Office, Forest Department, Mysuru, has submitted action taken report vide letter dated 26-12-2024 is herewith enclosed for kind reference.
2. Mysuru City Corporation, Mysuru, have submitted action taken report vide letter dated 11-11-2024 is herewith enclosed for kind reference.
3. Mysuru Urban Development Authority, Mysuru, have submitted action taken report vide letter dated 30-12-2024 is herewith enclosed for kind reference.
4. KSPCB monitoring reports dated 30-11-2024 are herewith enclosed for kind reference.

Email

Harishankar Y S

From : dcfmdm@gmail.com

Subject : <No Subject>

To : Harishankar Y S <seomys@kspcb.gov.in>

Thu, Dec 26, 2024 05:20 PM

1 attachment

DOC-20241226-WA0012.  
2 MB



**Action Taken Report on Lingabudhi lake with respect to OA No.174 of 2023 (SZ)/24.11.2023**

**46**

| Sl. No. | Proposed Remedial measures                                                                                                                                                                                                                                                  | Proposed Time line for execution | Action taken report as on 30-10-2024                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                        |                                |
|---------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------|--------------------------------|
|         |                                                                                                                                                                                                                                                                             |                                  | MUDA Letter dated on 29-10-2024                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Forest Department Letter dated on 13.11.2024                           | MCC Letter dated on 11-11-2024 |
| 1       | Rejuvenation of lake by introducing suitable local Fish species as a biological restoration                                                                                                                                                                                 |                                  | NA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Induction Fish hatchlings have been carried out in this Monsoon season |                                |
| 2       | To monitor the Septic tank provided in 2 Private Layouts located at Western side of the tank and desludging the septic tank regularly as a short term plan. De-sludge water without allowing to over flow and join lake is proposed to transport and treated at MCC STP     | Within 6 months                  | At present there is no overflow from the septic tank provided in 2 private layouts located at western side of the tank. These 2 septic tanks will be monitored periodically, once there is overflow De-sludge water will be transported and treated at MCC STP.<br><br>Estimated Cost (Rs. In lakhs) 2480.00                                                                                                                                                                            | NA                                                                     |                                |
|         | a.Establishment of Decentralized treatment plant with provision to utilize the treated effluent for gardening (long term plan)<br><br>b.Connecting the sewer line to ADB main line of MCC located near the Lingambudhi tank and further treat in STP located at Rayanakere. | Within 2 years                   | In order to prevent the waste water coming from the development the surrounding areas to the Ayyajayanhudi and Kergalli lakes under the jurisdiction of the Mysore Urban Development Authority, be drainage pipes will provided next to these lakes and the waste water will be led to the sewage treatment plant.<br><br>Estimate has been submitted to Secretary, UD Dept for obtaining Administrative Approval vide letter No. MUDA/Z 7/Lake Development/2023-24<br>Dated:16.02.2024 | NA                                                                     |                                |
|         | To install                                                                                                                                                                                                                                                                  |                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 2 Nos surface                                                          |                                |

|                                                                                                                                                          |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                  |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| friendly floating aerators / surface aerators / diffusers                                                                                                |                 | NA                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                             | combo submersible aerators & mixers have been already installed & DPR has been submitted to install two additional combo submersible aerator 7& mixers to Karnataka Bio-diversity board for the approval of funds & works will be implemented after the approval |  |
| To place the Screen chamber at suitable locations along the Raja Kaluvas for cleaning of sewers periodically.                                            | Within 6 months | <p>Providing Screen Trap to Storm water Drain to stop solid waste to Lingambudhi Lake.</p> <p>Estimated Cost (Rs. In lakhs) 1.80</p> <p>Tender has been invited vide Tender Notification No.MUDA/SE/PB/TN 14/2023-24 Dated 04.03.2024. None of the bidders have participated in the tender. Hence tender will be invited for 2nd call. The work will be taken up after the immediately award of contract within a period of 6 months</p> |                                                                                                                                                                                                                                                                                                             | NA                                                                                                                                                                                                                                                               |  |
| Restoration of all natural storm water drains by interception and diversion of sewage to the existing nearby STPs or to the new STP of adequate capacity | Within one year | <p>1.Construction of storm water drain from Roopa nagar 27th cross junction to falcon factory employees layout, Kergalli village, Mysore Dist.</p> <p>Estimated Cost (Rs. In lakhs) 500.00</p>                                                                                                                                                                                                                                           | <p>For Sl. No. 1 to 4 been submitted to Secretary, UD Dept for obtaining Administrative Approval vide letter MUDA/SE/Lake Rejuvenation/2023-24 No. Dated 05.01.2024. As soon as administrative is accorded approval tender will be invited and the work will be taken up immediately after the award of</p> | NA                                                                                                                                                                                                                                                               |  |
|                                                                                                                                                          |                 | 2.Construction of storm water                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                  |  |

|  |  |                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                        |    |  |
|--|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|--|
|  |  | Rishab siddi layout to Kergalli village, Mysore Dist.<br>Estimated Cost (Rs. In lakhs)<br>500.00                                                                     | contract may be within a period of 1 year.                                                                                                                                                                                                                                                                                                                                                                             | NA |  |
|  |  | 3. Construction of storm water from Abhyodaya drain apartment To Ashwathama layout Kergalli village, Mysore Dist<br>Estimated Cost (Rs. In lakhs)<br>500.00          |                                                                                                                                                                                                                                                                                                                                                                                                                        | NA |  |
|  |  | 4. Construction of storm water                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                        | NA |  |
|  |  | 5. Providing out fall missing link sewer line from Roopa nagar, 27" cross, road junction Co Kergalli, double Mysore Dist.<br>Estimated Cost (Rs. In lakhs)<br>100.00 | Estimate has submitted to KUWS & DB, Mysuru Division Mysuru. For Technical Sanction amounting to 1.00Cr. In the estimate provision has been made only for missing links at 5 locations where already sewer pipeline are laid as outfall.<br><br>Subsequently, as per directions during the meeting chaired by the secretary, urban development held on 03.02.2024 with regard to the writ petition No.127/2020, it was | NA |  |

|                                                         |  |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                            |
|---------------------------------------------------------|--|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|
|                                                         |  |    | <p>directed to KUWS &amp; DB, for preparing the comprehensive UGD system which includes missing links connected to various layouts and villages and submit the DPR to MUDA for onwards submission to Govt. for approval.</p> <p>Further the DPR has been prepared amounting to Rs.24.80Cr. in the DPR provision for 3.96kms of RCC outfall sewer, wet well pumping machineries 6.7kms DI rasing main and allied works to treat the sewage in the existing STP at Rayanakere. The same has been submitted to Govt. vide this office letter Dt. 17-02-2024 for according administrative approval.</p> <p>As soon administrative approval is obtained, tender will be invited and work will be taken up.</p> |                                                            |
| Periodic De-weeding using mechanical equipment          |  | NA |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Proposed to take up in upcoming summer                     |
| Provision of Water Sports Like Kayaking, Peddling etc., |  | NA |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Feasibility assessment is being conducted for eco-friendly |

|   |                                                                         |    |                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|---|-------------------------------------------------------------------------|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|   | Periodic De-sludging/De-silting of lake to enhance capacity of the lake | NA | & low noise water sports                                                                                                                                                                | DPR has been submitted to Karnataka Bio-diversity board for the approval of funds & works will be implemented after the approval                                                                                                                                                                                                                                                                                                                                        |
| 0 | Measurement of inflow at all the drains contributing to flow            | NA | V notch flow measurement is proposed to be installed . DPR has been submitted to Karnataka Bio-diversity board for the approval of funds & works will be implemented after the approval |                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 1 | Missing UGD links                                                       |    |                                                                                                                                                                                         | <p>Near Ashraya badavane, TP Bogadi</p> <p>Action taken: Missing link addressed and flow arrested by Bogadhi Town panchayat.</p> <p>Near cabana hotel in ward number 44 of Bogadi TP</p> <p>Action taken: Compliance report of Bogadhi Town Panchayat attached.</p> <p>Near Deaf &amp; Dum school in ward no.44 of MCC</p> <p>Action taken: Missing link addressed by Mysuru city corporation.</p> <p>Linabudi lake road to Udayaravi road through Dakshineshw Road</p> |

|   |                                                                                                                                 |  |  |    |                                                                                                                                                                                                                                     |
|---|---------------------------------------------------------------------------------------------------------------------------------|--|--|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|   |                                                                                                                                 |  |  |    | <p>of MCC (Trunk line sewer for ultimate flow) Measures already taken to nearby manhole and completion of UGD network.</p> <p>Action taken: Work is in progress, will be completed by 30/04/2025</p> <p>Ward no. 44,45 &amp; 46</p> |
| 2 | To install Screen chamber and silt traps in storm water drains leading to Lingabudhi Lake to arrest floating and silt materials |  |  | NA | LOA Issued                                                                                                                                                                                                                          |

  
**Deputy Conservator of Forests**  
 Mysuru Division, MYSURU

ಮೈಸೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

ನ್ಯೂ ಸಯ್ಯಜಿರಾವ್ ರಸ್ತೆ, ಮೈಸೂರು-570004



**MYSURU CITY CORPORATION**

New Sayyaji Rao Road, Mysore-570004

e-mail: comm.mysurucitycorporation@gmail.com & ka.mysuru.cc@gmail.com

☎ 0821-2418803

website: www.mysurucitymrc.gov.in

ಸಂಖ್ಯೆ/ಸಕಾಲ/ನೀಸ & ಒಚಿ ವಿಭಾಗ(ಪ)/ಮೈಸೂರು/10/2024-25.

ದಿನಾಂಕ: 11/11/2024

To,

Senior Environmental Officer

K.S.P.C.B,

Mysuru.

Subject:- Submission of 3<sup>rd</sup> interim action taken report on Lingabudi lake.

Reference:- 1)1.0.A. No.174/2023(SZ) & I.A No.133/2023(sz) 23-02- 2024.

AD, National Green Tribunal, Southern Zone.

2) ಸಂಖ್ಯೆ/ ಮೈಸೂರು /ಸಕಾಲ/ನೀಸ & ಒಚಿ ಉಪ ವಿಭಾಗ(ಪ)/ಸಕಾಲ /2074 /2023-24.

ದಿನಾಂಕ:18-03-2024.

Adverting to above subject, vide reference (1) as per the directions of Hon' ble NGT court and vide refrence (2) as submitted 2<sup>nd</sup> interim action taken report , please find below the action taken on pending UGD missing links connected to Lingabudi in mysuru city corporation limits for further necessary action and perusal.

| SL NO | Proposed remedial measures                                                                                                     | Location                                                                                                                                                                               | Action Taken                                                        |
|-------|--------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|
| 1     | Missing UGD links                                                                                                              | A. Near Ashraya badavane,TP Bogadi                                                                                                                                                     | Missing link addressed and flow arrested by Bogadhi Town panchayat. |
|       |                                                                                                                                | B. Near cabana hotel in ward number 44 of Bogadi TP                                                                                                                                    | Compliance report of Bogadhi Town Panchayat attached.               |
|       |                                                                                                                                | C. Near Deaf & Dum school in ward no.44 of MCC                                                                                                                                         | Missing link addressed by Mysuru city corporation.                  |
|       |                                                                                                                                | D. Linabudi lake road to Udayaravi road throughDakshineshwara Road of MCC (Trunk line sewer for ultimate flow) Measures already taken to nearby manhole and completion of UGD network. | Work is in progress, will be completed by 30/04/2025                |
| 2     | To install screen chamber and silt traps in storm water drains leading to Lingabudi Lake to arrest floating and silt materials | Ward no.44.45&46                                                                                                                                                                       | LOA Issued                                                          |

Your's faithfully

*[Signature]*  
Commissioner

Mysuru City Corporation, Mysuru.

*[Handwritten notes and signatures at the bottom of the page]*

Email

Harishankar Y S

Report from Muda

From : zo7mudamysore@gmail.com

Thu, Dec 26, 2024 06:20 PM

Subject : Report from Muda

2 attachments

To : Harishankar Y S <seomys@kspcb.gov.in>



IMG-20241226-WA0013.jpg  
66 KB



IMG-20241226-WA0014.jpg  
172 KB



**Latest Action Taken Report on Lingabudhi Lake with respect to OA NO: 174 OF 2023  
(SZ)/24.11.2024**

| Sl. No. | Proposed Remedial measures                                                                                                                                                                                                                                           | Proposed Time line for execution | Action taken report as on 31.10.2024                                                                                                                                                                                                                                                                                                                                                            |                                 |                                |
|---------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|--------------------------------|
|         |                                                                                                                                                                                                                                                                      |                                  | MUDA                                                                                                                                                                                                                                                                                                                                                                                            | Forest Department on 02.09.2024 | MCC Letter dated on 11.11.2024 |
| 2.      | To monitor the septic tank provided in 2 private layouts located at western side of the tank and desludging the septic tank regularly as a short term plan. De-sludge water without allowing overflow and join lake is proposed to transport and treated at MCC STP. | Within 6 months                  | At present there is no overflow from the septic tank provided in 2 private layouts located at western side of the tank. These 2 septic tanks will be monitored periodically, once there is overflow De-sludge water will be transported and treated at MCC STP.                                                                                                                                 |                                 |                                |
| 3.      | a. Establishment of Decentralized treatment plant with provision to utilize the treated effluent for gardening. (long term plan)                                                                                                                                     | Within 2 years                   | Estimate has been submitted to Secretary, UD Dept for obtaining Administrative Approval vide letterNo.: MUDA/Z7/LakeDevelopment/2023-24 Dated: 16.02.2024. Remainder Letter placed on Dated: 29.05.2024 & 26.08.2024 for Administrative approval.                                                                                                                                               |                                 |                                |
|         | b. Connecting the sewer line to ADB main line of MCC located near the Lingambudhi tank and further treat in STP located at Rayanakere.                                                                                                                               | Within 2 years                   |                                                                                                                                                                                                                                                                                                                                                                                                 |                                 |                                |
| 5.      | To place the screen chamber at suitable locations along the Raja Kaluvu for cleaning of sewers periodically.                                                                                                                                                         | Within 6 months                  | Tender has been invited vide Tender Notification No.: MUDA/SE/PB/TN/14 /2023-24 Dated: 04.03.2024. None of the bidders have participated in the tender. Hence tender was recalled on Dated: 09.09.2024 and it is pending for approval.                                                                                                                                                          |                                 |                                |
| 6.      | Restoration of all natural storm water drains by interception and diversion of sewage to the existing nearby STPs or to the new STP of adequate capacity.                                                                                                            | Within one year.                 | Estimate has been submitted to Secretary, UD Dept for obtaining Administrative Approval vide letter No.: MUDA/SE/Lake Rejuvenation/2023-24, Dated: 05.01.2024 & Remainder sent to Govt. As soon as administrative approval is accorded tender will be invited and the work will be taken up immediately after the award of contract may be within a period of 1 year. The DPR has been prepared |                                 |                                |

|  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                              |  |  |
|--|--|--|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
|  |  |  |  | amounting to Rs.24.80Cr. in the DPR provision for 3.96kms of RCC outfall sewer, wet well pumping machineries 6.7kms DI raising main and allied works to treat the sewage in existing STP st Rayana Kere. The same has been submitted to Govt. vide this office letter Dt.17.02.2024 for according administrative approval. As soon as administrative approval is obtained, Tender will be invited and work will be taken up. |  |  |
|--|--|--|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|

  
Superintending Engineer  
Mysuru Urban Development,  
Mysuru.