

**BEFORE NATIONAL GREEN TRIBUNAL
PRINCIPAL BENCH, NEW DELHI
ORIGINAL APPLICATION NO. 1219/2024**

IN THE MATTER OF:

Suo Moto based on News Item Titled
“KPSCB Directs BBMP to Redirect
Sewage Flow in Kodichikkanahalli”
Appearing in the Hindu Dated
18.09.2024

Versus

Bruhat Bengaluru Mahanagara Palike and Others

...Respondents

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Filed by



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Date: 23.03.2026

BEFORE NATIONAL GREEN TRIBUNAL
PRINCIPAL BENCH, NEW DELHI
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**ACTION TAKEN REPORT ON BEHALF OF RESPONDENT NO. 7
(BANGALORE WATER SUPPLY AND SEWAGE BOARD)**

MOST RESPECTFULLY SHOWETH:


1. That this Hon'ble Tribunal has taken *suo moto* cognizance based on a newspaper report which states that sewage is being let into a storm-water drain in Kodichikkanahalli, Bangalore ('***the said Storm Water Drain***').
2. The following action has been taken by the answering Respondent with respect to the sewage flowing into the said Storm Water Drain:

Interim Measures

3. It is submitted that as an interim measure, the answering Respondent is carrying out *in situ* treatment at the storm water drain. In order to stop the inflow of sewage, temporary concrete barriers have been placed in the drain for sludge removal.


Chief Engineer (WWM)-East
BWSSB, Cauvery Bhavan,
K.G. Road, Bengaluru - 560 005

4. Further, floating gardens having canna plants have been placed on the drain to carry out phytoremediation. In this regard it is submitted that aggregation of nanoparticles based rapid treatment of effluent results in the formation micro and macro sized particles which also acts as micronutrient for plants.
5. **Clarification Process** – The answering Respondent/Board is also using nanocoagulants and nanoflocculants in order to remove pollutants from the storm water drain. The answering Respondent is thus applying a nanoparticle based aggregation and precipitation followed by sedimentation in a single step. After sedimentation the treated water goes through sand filter and activated carbon filter for flushing and gardening purpose.
6. The above nanotechnology based nano-solution has various advantages such as (a) rapid and simple treatment, hence less time consuming than biological and chemical methods, (b) it is a single step process hence less labour consuming and (c) it does not require aeration or multiple motor pumps, hence it is less power consuming.




Chief Engineer (WWM)-East
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K.G. Road, Bengaluru - 560 009

7. True Copy of photographs of treatment works carried out by BWSSB at the Storm Water Drain is annexed herewith as **Annexure R-1**.
8. It is further submitted that the water samples before and after treatment have been tested by the answering Respondent through an NABL accredited laboratory named SLN Testing Laboratory Pvt Ltd. The results for parameters before and after testing are as follows:

S. No.	Parameter	Before Treatment	After Treatment
1.	Colour, Hazen Units	500	5
2.	Odour	Disagreeable	Agreeable
3.	pH Value	6.97	7.39
4.	Total Dissolved Solids, mg/L	794.0	500.0
5.	Total Suspended Solids, mg/L	184.0	7.0
6.	Dissolved Oxygen, mg/L	1.1	4.9
7.	Biochemical Oxygen Demand (3days @27°), mg/L	170.0	10.0
8.	Chemical Oxygen Demand, mg/L	400.0	60.0
9.	Nitrate as NO ₃ , mg/L	7.9	5.0
10.	Turbidity, NTU	74.1	1.7

True Copy of test report dated 28.02.2026 provided by M/s SLN Testing Laboratory Pvt Ltd is annexed herewith as **Annexure R-2**.

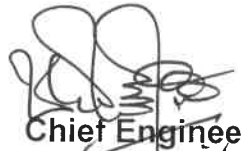

Chief Engineer (WWM)-East
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 K.G. Road, Bengaluru - 560 009

9. It is respectfully submitted that the above test results hence make it evident that the water quality parameters have improved following the interim measures carried out by the answering Respondent at the Storm Water Drain.

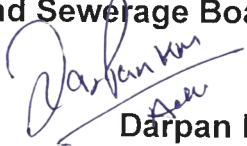
Long Term Measure

10. It is submitted that as a long-term measure, the answering Respondent has undertaken to construct a Sewage Treatment Plant of 75 MLD capacity at Madiwala. The tender notification for the same has been issued on 16.03.2026. True Copy of tender notification dated 16.03.2026 published in *Times of India* is annexed herewith as **Annexure R-3**.
11. It is thus submitted that the answering Respondent has taken the requisite action to ensure that sewage water does not enter the Storm Water Drain. It is thus prayed that this Hon'ble Tribunal may be pleased to dispose of the instant Original Application in light of the action taken.

Chief Engineer (WWM)-East
BWSSB, Cauvery Bhavan,
K.G. Road, Bengaluru - 560 009


Chief Engineer
Waste Water Management-East
Bangalore Water Supply and Sewerage Board

Filed by


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Date: 20.03.2026

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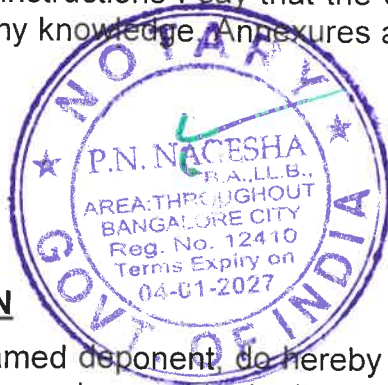
Bruhat Bengaluru Mahanagara Palike and Others ... Respondents

AFFIDAVIT

I, G. Mahadevegowda S/o Govindegowda, age about 58 years, working as the Chief Engineer, Waste Water Management-East, Bangalore Water Supply and Sewerage Board, 5th Floor, Kaveri Bhavan, K.G. Road, Bengaluru – 560 009, Karnataka do hereby solemnly affirm and state as under:

1. That I am working as the Chief Engineer, Waste Water Management-East, Bangalore Water Supply and Sewerage Board and such and in that capacity, I am conversant with the facts and circumstances of the case and also competent to swear this affidavit.

2. That I have gone through the accompanying Report, which has been drafted on my instructions I say that the contents thereof are true and correct to the best of my knowledge. Annexures are the true copies of their respective originals.



DEPONENT

Chief Engineer (WWM)-East
BWSSB, Cauvery Bhavan,
K.G. Road, Bengaluru - 560 009

VERIFICATION

I, the above named deponent, do hereby verify that the contents of my above Affidavit are true and correct to the best of my knowledge and belief, no part of which is false and that nothing material has been concealed therefrom.

Verified at Bengaluru on this the Friday day of 23 03 - 2026.

AFFIXING NOTARY STAMP
 AS DIRECTED BY GOVT. OF KARNATAKA
 W.E.F. 01-04-2003

SWORN TO BEFORE ME

P.N. NAGESHA, B.A., LL.B.,
 Advocate & Notary
GOVT. OF INDIA
 No.77, Notary Hall,
 City Civil Court Complex,
 BENGALURU - 560009

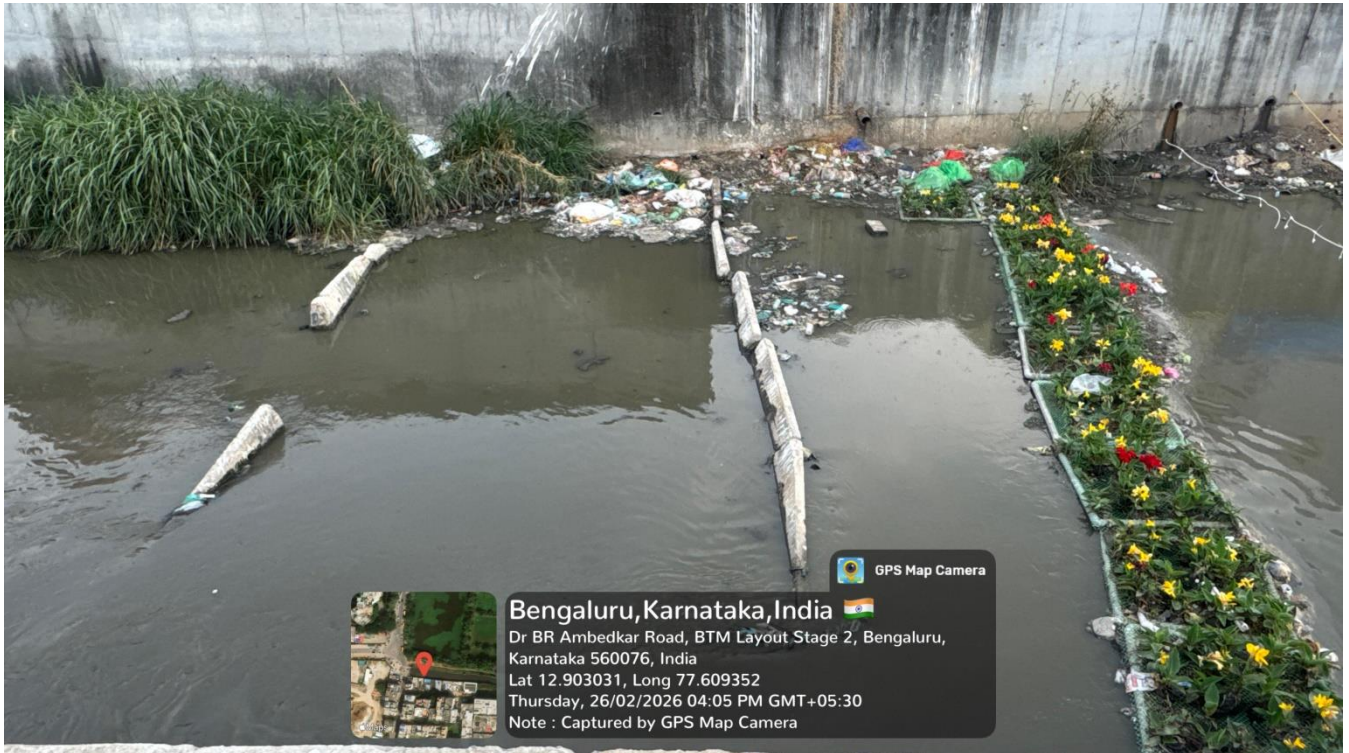
DEPONENT

Chief Engineer (WWM)-East
BWSSB, Cauvery Bhavan,
K.G. Road, Bengaluru - 560 009

NOT OF CORRECTIONS

Annexure R-1**Canna Plants based Floating Garden for Phytoremediation**

Concrete barriers and Floating Garden for Phytoremediation



Floating Barriers for Plastic Debris Removal



Treatment System installed at the Nalla





Before and After Treatment Samples of the Sewage Water at the Nalla





Annexure R-2

10

SLN TESTING LABORATORY PRIVATE LIMITED

No.23, JDN Layout, 10th Cross, Raghavendra Industrial Area, Thigalarapalya Main Road, Peenya 2nd Stage, Bengaluru - 560058, Karnataka, India.



Mob : 9538888098, 9538888097, E - mail: info@slnlabs.com, Web : www.slnlabs.com TC - 14652

Format No: SLNTL/FF/45A

ULR NO: TC146522600003090F

TEST REPORT

Page No. 1 of 1

Report No : SLNTL2600202083	Report Date: 28/02/2026
Issued To: BWSSB Bengaluru	Customer Ref : Verbal
	Date of Sample Collection : 25/02/2026
	Date of Receipt : 25/02/2026
	Date of test start : 25/02/2026
	Date of Completion of test : 28/02/2026
Sample Submitted By : JK Nanosolutions for BWSSB	Sample Particulars: Surface Water
Sampling Method: NA	Sample Condition: Satisfactory
Sample Location: Madiwala Storm Water Drain Near Anugraha Layout,	
Location of Performance: M/s. SLN Testing Laboratory Pvt. Ltd. Bengaluru – 560058.	
Sample Description: Nala Water Before Treatment	

Parameters	Results	Standard as per IS 2296	Test Method
Discipline: Chemical			
Group : Water			
Colour, Hazen Units	500	Not Specified	IS 3025 (Part 4) 2021
Odour	Disagreeable	Agreeable	IS 3025 (Part 5) 2018
pH Value	6.97	5.5 - 9.0	IS 3025 (Part 11) 2022
Total Dissolved Solids, mg/L	794.0	2100 Max	IS 3025 (Part 16) 2023
Total Suspended Solids, mg/L	184.0	100 Max	IS 3025 (Part 17) 2022
Dissolved Oxygen, mg/L	1.1	Not Specified	IS 3025 Part 38: 1989
Biochemical Oxygen Demand (3days @27°C), mg/L	170.0	30 Max	IS 3025(Part-44) 2023
Chemical Oxygen Demand, mg/L	400.0	250 Max	IS 3025(Part-58)2023
Nitrate as NO ₃ , mg/L	7.9	10 Max	IS 3025(Part 34) 1988
Turbidity, NTU	74.1	250 Max	IS 3025 (Part 10) 2023

Name: Venkatesh GT
Designation: Senior Analyst
Verified By



****End of the Report****

Name: Kumara SR
Designation: Quality Manager
Authorized Signatory

- Note :
- The results listed pertain only to the tested samples and applicable parameters in case of the submitted samples and the source conditions at the time & date of sampling when the sampling performed by the laboratory.
 - Samples will be destroyed after 15 days from the date of issue of test certificates unless & otherwise specified and all perishable samples will be destroyed immediately after tests conducted.
 - This report is not be reproduced either wholly or in part and can not be used an evidence in the count of law and should not be used in any advertising media without prior written permission.
 - Sampling not done by us, unless specified.

**SLN TESTING LABORATORY PRIVATE LIMITED**

No.23, JDN Layout, 10th Cross, Raghavendra Industrial Area, Thigalarapalya Main Road,
Peenya 2nd Stage, Bengaluru - 560058, Karnataka, India.



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Format No: SLNTL/FF/45A

ULR NO: TC146522600003091F

TEST REPORT

Page No. 1 of 1

Report No : SLNTL2600202084	Report Date: 28/02/2026
Issued To: BWSSB Bengaluru	Customer Ref : Verbal
	Date of Sample Collection : 25/02/2026
	Date of Receipt : 25/02/2026
	Date of test start : 25/02/2026
	Date of Completion of test : 28/02/2026
Sample Submitted By : JK Nanosolutions for BWSSB	Sample Particulars: Surface Water
Sampling Method: NA	Sample Condition: Satisfactory
Sample Location: Madiwala Storm Water Drain Near Anugraha Layout,	
Location of Performance: M/s. SLN Testing Laboratory Pvt. Ltd. Bengaluru – 560058.	
Sample Description: Nala Water After Treatment	

Parameters	Results	Standard as per IS 2296	Test Method
Discipline: Chemical			
Group : Water			
Colour, Hazen Units	5	Not Specified	IS 3025 (Part 4) 2021
Odour	Agreeable	Agreeable	IS 3025 (Part 5) 2018
pH Value	7.39	5.5 - 9.0	IS 3025 (Part 11) 2022
Total Dissolved Solids, mg/L	500.0	2100 Max	IS 3025 (Part 16) 2023
Total Suspended Solids, mg/L	7.0	100 Max	IS 3025 (Part 17) 2022
Dissolved Oxygen, mg/L	4.9	Not Specified	IS 3025 Part 38: 1989
Biochemical Oxygen Demand (3days @27°C), mg/L	10.0	30 Max	IS 3025(Part-44) 2023
Chemical Oxygen Demand, mg/L	60.0	250 Max	IS 3025(Part-58)2023
Nitrate as NO ₃ , mg/L	5.0	10 Max	IS 3025(Part 34) 1988
Turbidity, NTU	1.7	250 Max	IS 3025 (Part 10) 2023

Name: Venkatesh GT

Designation: Senior Analyst

Verified By



****End of the Report****

Name: Kumara SR

Designation: Quality Manager

Authorized Signatory

- Note :**
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Annexure R-3

 BANGALORE WATER SUPPLY AND SEWERAGE BOARD		
INVITATION FOR TENDER (Only Through KPP Portal)		
BWSSB invites Tenders in Two Stage Tender System from Registered Contractors for the following works.		
Office of the Chief Engineer (Design & QA), 9th Floor, Cauvery Bhavan, K.G. Road, Bengaluru - 560009		
SI No.	Name of the Works	Amount put to Tender EMD Amount
IFT No:BWSSB/CE(D&QA)/ACE/TA/6388/2025-26		Date: 16-03-2026
1.	Tender for the Upgradation of ArcGIS Software Products at BWSSB.	₹ 391.46 Lakhs ₹ 5,87,200/-
For the above Work, The last date and time for Receipt of tenders : 25-03-2026 upto 16:00 hrs. The Technical bids will be Opened on 26-03-2026 at 16:00 hrs. Sd/- Chief Engineer (Design & QA)		
Office of the Chief Engineer (UWP), 5th Floor, Cauvery Bhavan, K.G. Road, Bengaluru - 560009		
IFT No:BWSSB/CE(UWP)/DCE(WWM-E&W)/TA-1/1077/2025-26		Date: 16-03-2026
2.	Tender for the work of Design, Construction, Commissioning of 75 MLD STP based on SBR with BNR with tertiary Treatment and power generation & odour control units at Madiwala including Operation and Maintenance 7 years. (Turnkey contract) Call-2.	₹ 188.09 Crore ₹ 1.88 Crore
For the above Work, The last date and time for Receipt of tenders : 02-04-2026 upto 17:30 hrs. The Technical bids will be Opened on 04-04-2026 at 12:00 hrs. Sd/- Chief Engineer (UWP)		
The details regarding the tender and participation in the e-procurement portal process can be obtained by logging on to https://kppp.karnataka.gov.in For further details contact the above signed office during working hours.		
		DIPR/SI/6295/2025-26