

**IN THE NATIONAL GREEN TRIBUNAL
PRINCIPAL BENCH, NEW DELHI
ORIGINAL APPLICATION NO. 21/2026**

IN THE MATTER OF:

Suyash Kumar Mishra

...APPLICANT

Versus

Union of India and Others

...RESPONDENTS

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State of Karnataka
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Date: 07.03.2026

IN THE NATIONAL GREEN TRIBUNAL
PRINCIPAL BENCH, NEW DELHI
ORIGINAL APPLICATION NO. 21/2026

IN THE MATTER OF:

Suyash Kumar Mishra

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**ACTION TAKEN REPORT ON BEHALF OF RESPONDENT NO. 31
(THE STATE OF KARNATAKA)**

MOST RESPECTFULLY SHOWETH:

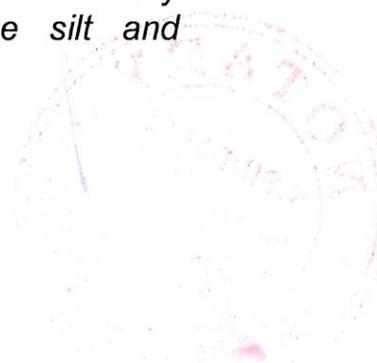
1. That the instant action taken report is being filed to bring on record the various tasks and activities undertaken by the State of Karnataka in order to ensure that the drinking water supplied is free of contamination and conforms to the applicable norms and standards. It is pertinent to note that the Original Application has been filed alleging contamination of municipal drinking water in multiple Indian cities.
2. With respect to the answering State, it has been pleaded as follows:

Bengaluru, Karnataka Incident

41. In early January 2026, residents of KSFC Layout, Lingarajapuram, Bengaluru reported that the water supplied to their homes was foul-smelling, discoloured and visibly contaminated, with residents noticing sewage silt and



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abnormal froth-like contamination in household storage/sumps. Several households reported recurring gastrointestinal illness and fear of a larger outbreak.

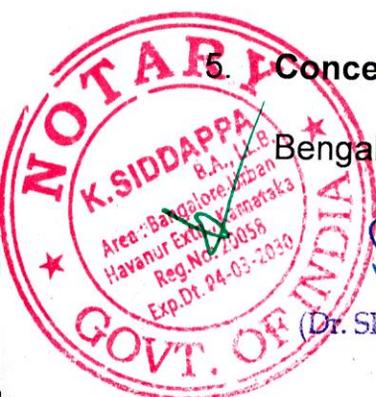
42. A detailed inquiry reported that the contamination was traced to ageing water infrastructure, including a rusted old castiron drinking water pipeline and a leaking sewer connection, which allowed sewage to enter the drinking-water line. The city water board reportedly halted supply as a precaution and initiated replacement of the old pipeline with newer pipes, along with tanker-based alternative supply during repairs.

43. The Bengaluru incident reflects that contamination does not always show up only at the treatment plant level; it often happens inside the distribution network and then accumulates in sumps and storage tanks, exposing entire lanes or blocks. It also shows that old pipelines and poor maintenance can remain unaddressed until residents fall sick and contamination becomes visible.

*The printed copy of the news article covering the incident of the contamination of the water in Bengaluru, Karanataka is annexed herewith and marked as **ANNEXURE: P-5 (COLLY)**.*

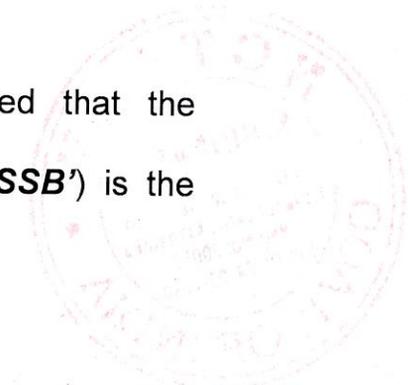
3. It is submitted at outset that the pleadings and allegations made against the answering State are wrong and denied in their totality, unless specifically admitted to herein.
4. Without prejudice to the above, the action taken by the answering State in order to ensure that the drinking water supplied in Bengaluru is free of contamination is as follows:

5. **Concerned Government Agency** – It is submitted that the Bengaluru Water Supply and Sewerage Board (**BWSSB**) is the



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state-run agency in Karnataka, responsible for providing drinking water and sewage disposal within Bengaluru's 800 sq. km area. The Board was established in 1964, and supplies 1900 MLD of Cauvery River water, managing water supply, treatment, and infrastructure, including mandatory rainwater harvesting initiatives.

6. **Action Taken with Respect to Incident of January 2026 at KSFC Layout, Lingarajapuram, Bengaluru** – With respect to the said incident, the action taken by BWSSB is as follows:

- (i) That the BWSSB received a telephonic complaint on 01.01.2026 regarding the issue, and immediately, BWSSB started remedial works on 02.01.2026 to rectify issue.
- (ii) On 02.01.2026, BWSSB cut the pipe and stopped the water supply to the affected area to avoid contamination. As an interim measure, BWSSB supplied drinking water to each and every house through its *Sanchari Kaveri* water tanker service. The contamination point was identified by using robotic camera system, and it was found that the pipeline was corroded. It was further found that there were two corroded house connections through which contaminated water was entering into BWSSB's water supply line.
- (iii) Hence, BWSSB replaced the old cast iron pipeline and old corroded house connection which was cause of contamination by laying new Ductile Iron pipeline and new CPVC house



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connection on 05.01.2026. In doing so, BWSSB has solved the problem permanently and has resumed the supply of clean drinking water supply to this area. BWSSB also tested samples of the supplied water through its Quality Assurance mechanism, and the water was found to be of satisfactory quality for Potable Purpose.

True Copy of the Compliance report with photographs pertaining to the work carried out by BWSSB are annexed herewith as **Annexure R-1**.

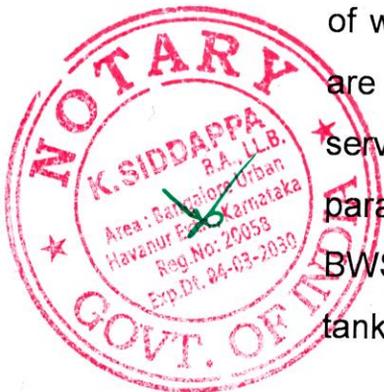
7. Apart from the above, BWSSB is implementing the following schemes in order to ensure that drinking water supplied in Bengaluru is free of contamination:

(i) **Grievance Addressal System** – BWSSB has a robust public live communication and grievance addressal system, with a call centre operating 24x7. The same is also linked with the respective service stations / divisions of the Operations and Maintenance Department of BWSSB. Hence any incident of contamination is immediately tackled by temporary suspension of water supply to the affected area, while remedial measures are carried out, including rectification and resumption of services after verification / certification of the water quality parameters of the supplied water. While the issue is addressed, BWSSB provides water through its *Sanchari Kaveri* water tanker to the affected area till the water supply is resumed.

(ii) BWSSB has a fully automated public grievance and complaints addressal system. Hence, whenever any such instance of

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complaints of foul smell, discoloration, or clustering of gastroenteritis / typhoid-like illness in any locality is received, the public addressal system is immediately activated and advisories are issued through the BWSSB portal, media and also through the local service stations to the affected area. The water samples from the affected are continuously monitored and the contamination if any is rectified on war footing basis, ensuring alternate water supply.

- (iii) **Water Quality Monitoring** – BWSSB has water quality monitoring instruments at every stage of the water supply and distribution system, starting from water treatment plants, clear water reservoirs, ground level reservoirs, pumping stations, overhead tanks, borewells and consumer points within city limits and key points throughout the distribution system. The water quality parameters are tested and the reports are updated in the water Quality Monitoring software in BWSSB website.
- (iv) The water quality parameters are measured through online water quality measuring instruments and the data are communicated through Supervisory Control and Data Acquisition (**SCADA**) system.
- (v) BWSSB is also currently implementing a Centralised SCADA and Management Information System (**MIS**) under the Japan International Cooperation Agency (**JICA**) assisted Cauvery Water Supply Stage V project. Under the same, all data with respect to flow, pressure, levels and water quality data starting from all phases of Water Treatment Plants (Stage I to Stage V),



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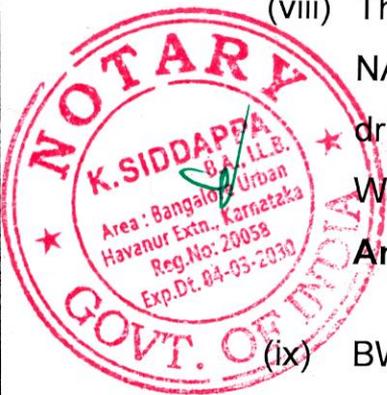
Clear Water Reservoir (CWRs), City Ground Level Reservoir (GLRs), Pumping Stations and 100 strategic locations within the distribution systems will be monitored from the central SCADA centre. Currently the project installations are completed and only the data integration / transfer works are ongoing. This will provide a comprehensive monitoring of all the water quality parameters starting from supply, distribution and also with respect to treated waste water.

(vi) The treated waste water quality from the STPs are also monitored through online monitoring instruments (Real Time Data) which are shared live with the Karnataka State Pollution Control Board.

(vii) **Certifications and Accreditations** – BWSSB is India's first utility Board to achieve Bureau of Indian Standards (BIS) certification for excellence in piped drinking water supply management. True Copy of BIS Certificate of the Bangalore Water Supply and Sewerage Board is annexed herewith as **Annexure R-2**.

(viii) The Water Testing Laboratory (WTL) at Jayanagar has been NABL Accredited for 29 parameters for both borewell and drinking water categories. True Copy of accreditation for the Water Testing Laboratory at Jayanagar is annexed herewith as **Annexure R-3**.

(ix) BWSSB has also received the Geospatial Excellence Award for Urban Water Management at GeoSmart India 2025. Geospatial World, a global leader in advancing geospatial ecosystems, has



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recognized BWSSB for its pioneering initiative BWSSB(GIS)-JALAPATHA, a geospatial insights platform for utility asset management. This recognition comes under the prestigious Application Excellence category of the internationally acclaimed Geospatial World Awards, which have celebrated model practices in the industry since 2007.

- (x) The award underscores BWSSB's exemplary contribution to urban water management, showcasing how geospatial innovation can transform essential services and improve lives. By leveraging advanced geospatial tools, BWSSB has enhanced efficiency, sustainability, and resilience in Bengaluru's water supply system — setting a benchmark for utilities nationwide.
- (xi) **Management and Distribution System** – BWSSB has a comprehensive Geographic Information System ('GIS') based Asset Management System which maps all the water supply and distribution network and also the sewerage networks. BWSSB has a total of 14,384 km of distribution network and 12,000 km of sewerage network mapped in GIS. BWSSB has been maintaining and updating the same for more than 2 decades.
- (xii) The total distribution system has been divided into various District Meter Areas (**DMA**) and the high leakage / Unaccounted for Water (**UFW**) DMAs are identified. BWSSB action plan involves mitigation measures for reduction of leakage, UFW and contamination hazards in these DMA's.



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- (xiii) With the above system in place, BWSSB is supplying drinking water to around 11.5 Lakh consumer connections in the Bengaluru Metropolitan area.
- (xiv) **Operation and Maintenance** – BWSSB has adopted an active leakage detection strategy through DMA (*District Meter Areas*) formation so that high leakage and contamination areas are identified beforehand and immediate corrective actions are taken.
- (xv) BWSSB O&M and leakage reduction strategy is based towards minimisation of Awareness – Locate – Repair (*ALR*) time which is a critical operational parameter which determines the efficiency of O&M.
- (xvi) BWSSB being responsible for both water supply and sewerage networks, the physical segregation of potable water pipeline and drain/ sewer lines are ensured by providing different alignments and levels for the respective pipelines.
- (xvii) In case of any contamination, BWSSB ensures that proper flushing of the affected distribution line is carried out. Only when the water quality in the affected area is tested and found to meet the quality standards, is the same supplied for consumption by the consumer. BWSSB also undertakes root cause analysis of such incidents and takes remedial measures to prevent recurrence of such incidents in future.

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(xviii) BWSSB has taken up various distribution systems improvement projects / UFW reduction projects over the past 2 decades.

(xix) BWSSB took up the pilot UFW project in the year 2000 in the Central Business District of Bangalore covering 32 sqkm (35000 consumer connection) and they UFW levels were reduced from as high as 55% to 30%.

(xx) Subsequently BWSSB has taken up large scale UFW reduction and distribution improvement project covering more than 3.5 Lakhs consumer connection.

(xxi) **Action Taken for Distribution Improvement and UFW/Leakage Reduction** – Over the years BWSSB has taken the following measures in distribution improvement and UFW/Leakage reduction:

- Replacement of old distribution network of 635 km. Minimum size of distribution system was 100mm.
- Replacement of all GI house service connections with HDPE connections.
- Providing of all ferruled / clamped connections to prevent leakage and contamination.
- 100% metered connections to measure the volume of water usage.
- Usage of accurate water meters.

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- Bulk metering for DMA
- Bulk Metering to measure volume of water supplied to slums / low income areas.

(xxii) With all these initiatives BWSSB has successfully maintained a reduced UFW of 30 %.

(xxiii) **Distribution System Improvement** – Recently as well, BWSSB has taken up distribution system improvement works as illustrated below:

- (a) **Modernization of Existing Network & Reduction in Non-Revenue Water in Jayamahal and Ramaswamy Palya funded by Amruth:** In December 2024, BWSSB initiated a modernization of existing network and reduction in non-revenue water Projects in Jayamahal and Ramaswamy Palya in the North-Eastern part of Bengaluru under Amruth funding.

The project covers an area of 2 sq. km and focuses on the replacement of 23 km of incrustated old Cast Iron (CI) pipelines along with 3,600 house service connections. The Jayamahal area is divided in to 3 DMAs and Ramaswamy Palya in to 2 DMAs. The objective of the Project is to reduce UFW from present 37% to 10%. Works are in Progress and expected to complete by June 2026. Details of different dia of proposed DI pipeline lengths are as follows:

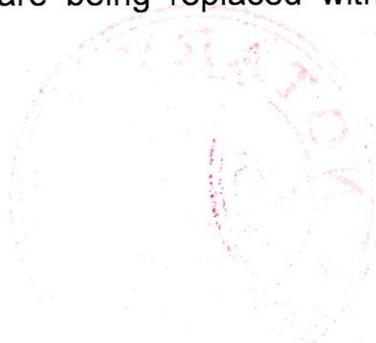
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S. No.	Particulars	Length (Km)
1.	100 mm dia. DI pipeline	19.09
2.	150 mm dia. DI pipeline	0.98
3.	200 mm dia. DI pipeline	1.23
4.	250 mm dia. DI pipeline	0.20
5.	300 mm dia. DI pipeline	1.88
6.	Total length	23.38

- (b) **Performance based Modernization, remodelling of water supply systems & reduction in UFW under Halasuru Service Station, CLR & Johnson Market Service Station and Domaluru & Machalibetta Service Station** – In June 2025, BWSSB initiated a major modernization and remodelling program to improve water supply systems and reduce Unaccounted-for Water (UFW) in the Halasuru Service Station, CLR & Johnson Market Service Station, and Domaluru & Machalibetta Service Station. The project covers an area of 22 sq. km with a total investment of ₹199 crores.

Under these three contracts, 234 km of old cast iron (CI) pipelines, ranging from 100 mm to 300 mm in diameter, are being replaced with ductile iron (DI K9) pipelines



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and 36647 Nos. new household connections will be given. Details of different dia. of proposed DI pipeline lengths are as follows:

S. No.	Particulars	Length (Km)
1.	100 mm dia. DI pipeline	174.00
2.	150 mm dia. DI pipeline	31.50
3.	200 mm dia. DI pipeline	9.60
4.	250 mm dia. DI pipeline	5.10
5.	300 mm dia. DI pipeline	13.46
	Total length	233.66

The objective is to reduce UFW from the current level of 35.60% to 10%. The works are in progress and are expected to be completed by June 2028.

(xxiv) It is submitted that distribution system improvement / rehabilitation and leakage / UFW reduction is not a onetime activity, but is a continuous process. Hence, BWSSB has planned for a phased distribution system improvement plan so as to ensure that high leakage areas get prioritized in the system improvement plan.

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8. It is thus submitted that through the concerned agency, the answering State has been taking active steps to ensure that the drinking-water supplied is free of contamination.
9. The above information is hence placed on record for the consideration of this Hon'ble Court.

Shalini

RESPONDENT NO. 31
STATE OF KARNATAKA
(Dr. SHALINI RAJNEESH)
Chief Secretary

FILED BY

Darpan Km

DARPAN KM
STANDING COUNSEL
STATE OF KARNATAKA

Date: 07.03.2026



**IN THE NATIONAL GREEN TRIBUNAL
PRINCIPAL BENCH, NEW DELHI
ORIGINAL APPLICATION NO. 21/2026**

IN THE MATTER OF:

Suyash Kumar Mishra

...APPLICANT

Versus

Union of India and Others

...RESPONDENTS

AFFIDAVIT

I, Dr. Shalini Rajneesh, aged about 58 years, working as the Chief Secretary to the Government of Karnataka, having office at Vidhanasoudha, Bengaluru, 560 001, Karnataka do hereby affirm and state on oath as under:

1. That I am working as Chief Secretary to the Government of Karnataka and in my official capacity and as verifiable from official records maintained with Government of Karnataka, as also the information provided by the concerned departments of Government of Karnataka, I am familiar with the facts of the case and hence I am swearing to this affidavit.
2. That I have gone through the accompanying Report, drafted on my instructions. I say that the contents thereof are true and correct to the best of my knowledge and belief. Annexures are true copies of their respective originals.

Shalini

DEPONENT

(Dr. SHALINI RAJNEESH)

Chief Secretary

VERIFICATION:

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

Verified at _____ on this _____ day of _____, 2026.

SWORN TO BEFORE ME

K.S.
K. SIDDAPPA, B.A., LL.B.
ADVOCATE AND NOTARY
GOVT. OF INDIA
Reg. No: 20058

No. 682, "Madhuharsha", Havanur Extn.,
Bagalgunte, Nagasandra Post,
BENGALURU Urban - 560073

Shalini

DEPONENT

(Dr. SHALINI RAJNEESH)

Chief Secretary

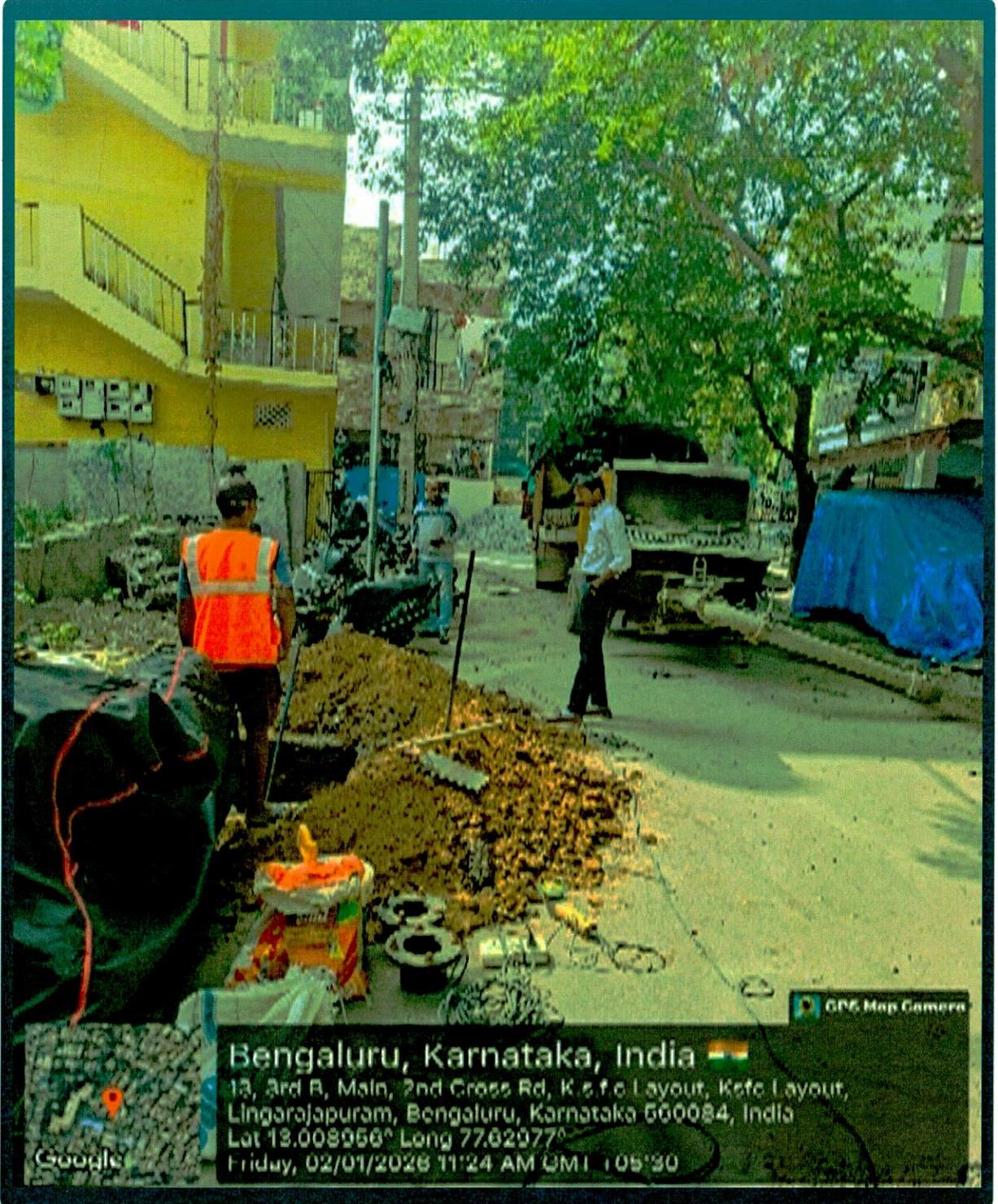


07 MAR 2026

NO. OF CORRECTIONS *three*

Annexure R-1**Compliance report to Suyash vs Union of India OA****Sl.No:09 Annexure:P-3 (colly) copy of the News article covering incident of the contamination of the water in Bengaluru Karnataka**

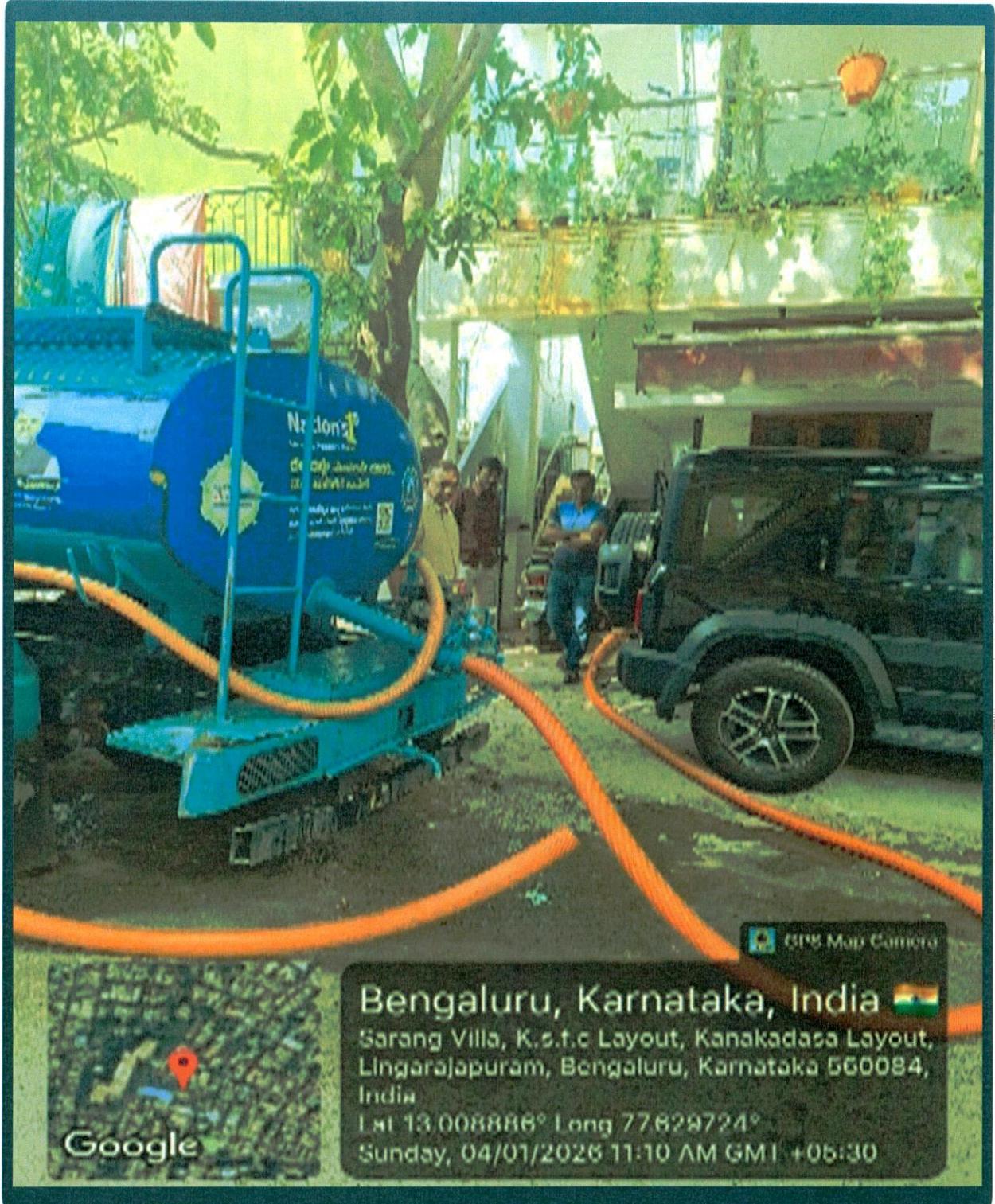
We got a complaint on 01.01.2026 regarding this issue over the phone and immediately we started work i.e 02.01.2026 to rectify this contamination problem. On 02.01.2026 we cut the pipe and stopped the water supply to this area to avoid the contamination problem and we supplied drinking water to each and every house by BWSSB's SANCHARI KAVERI water tanker and after we found out a contamination point by using robotic camera system and found that the pipeline which was present was corroded and also found two corroded house connection through which contaminated water was entering into bwssb's water supply line by which contaminated water supplied to this area.Hence we replaced the old CI pipeline and old corroded house connection which was cause of contamination by laying new DI pipeline and new cpvc house connection on 05.01.2026 and we solved the contamination problem permanently and resumed the clean and clear water supply to this area. we tested the clear supplied water by our BWSSB's QA by taking sample of supplied water and found that the water is satisfactory for Poratable Purpose.

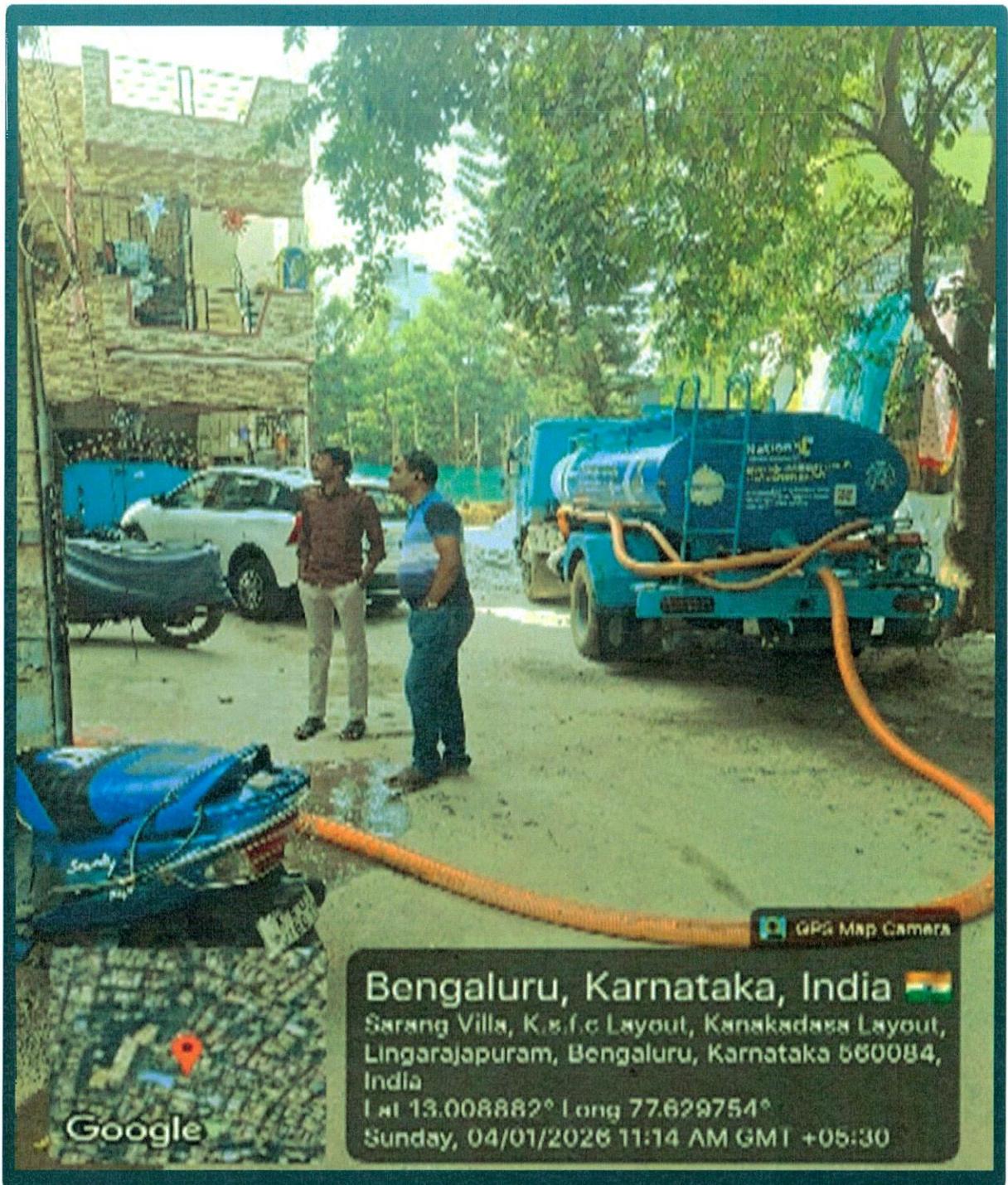


GPS Map Camera



Bengaluru, Karnataka, India 🇮🇳
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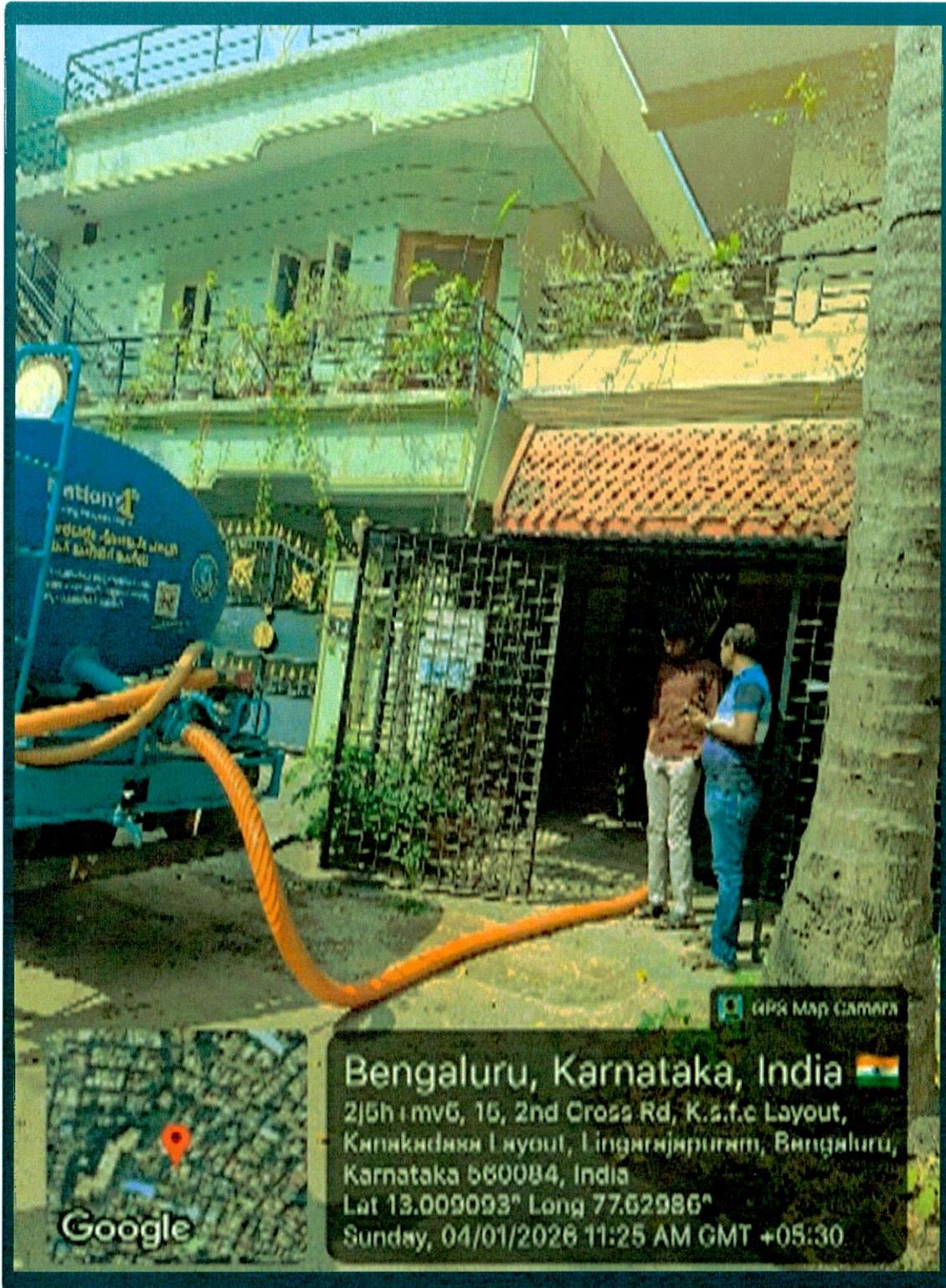


Bengaluru, Karnataka, India

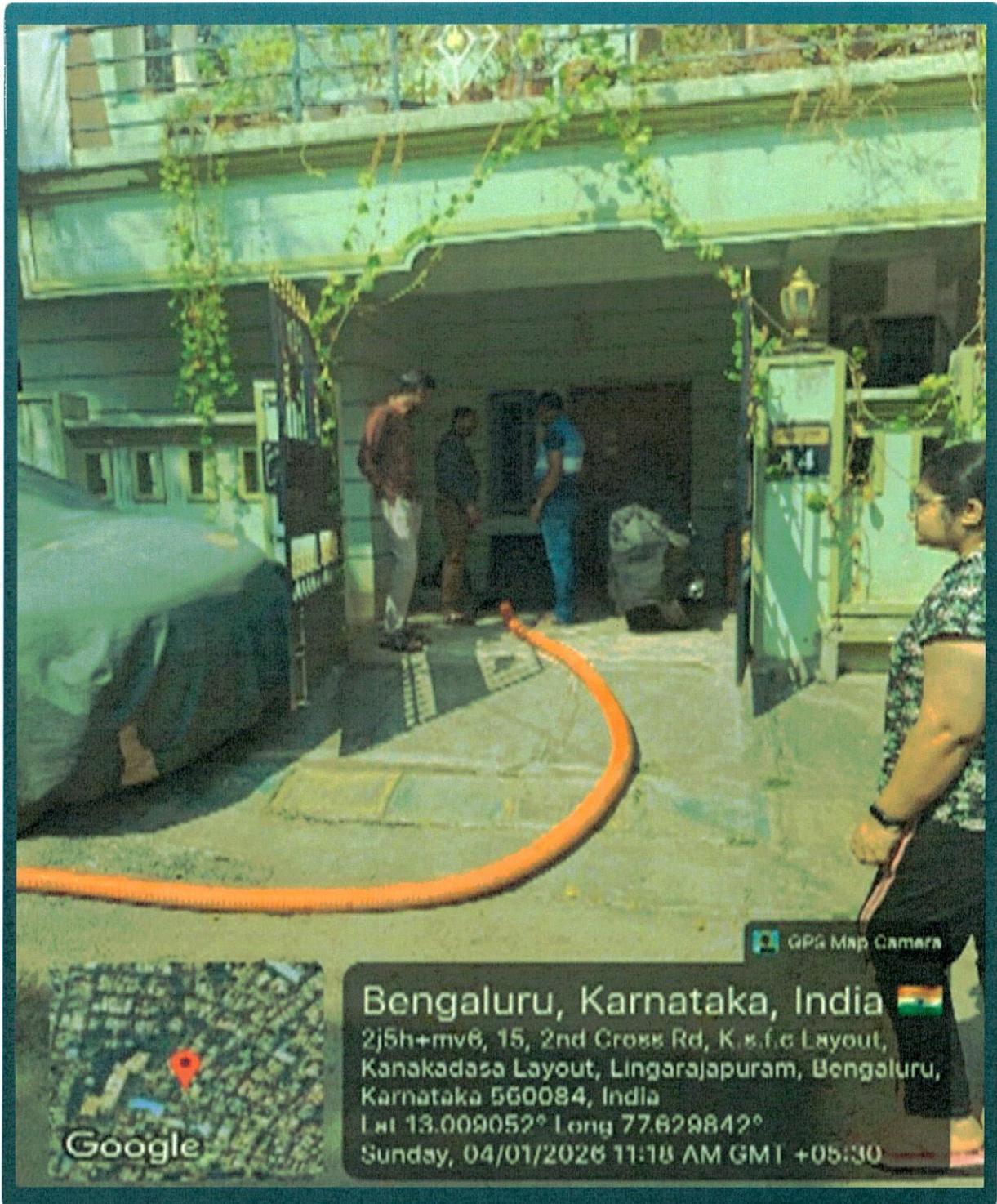
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India

Lat 13.008882° Long 77.629754°

Sunday, 04/01/2026 11:14 AM GMT +05:30



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Bengaluru, Karnataka, India 🇮🇳
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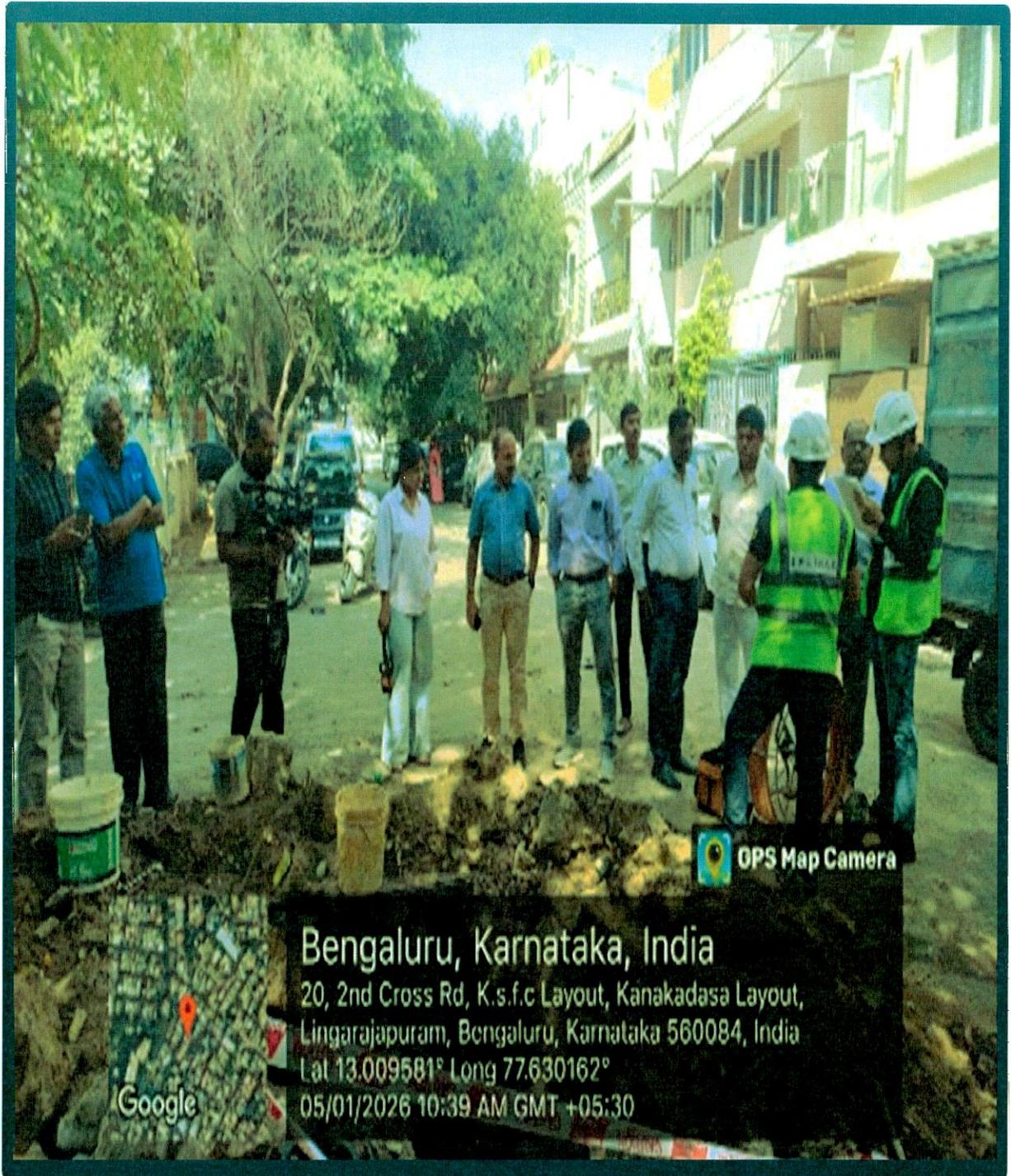


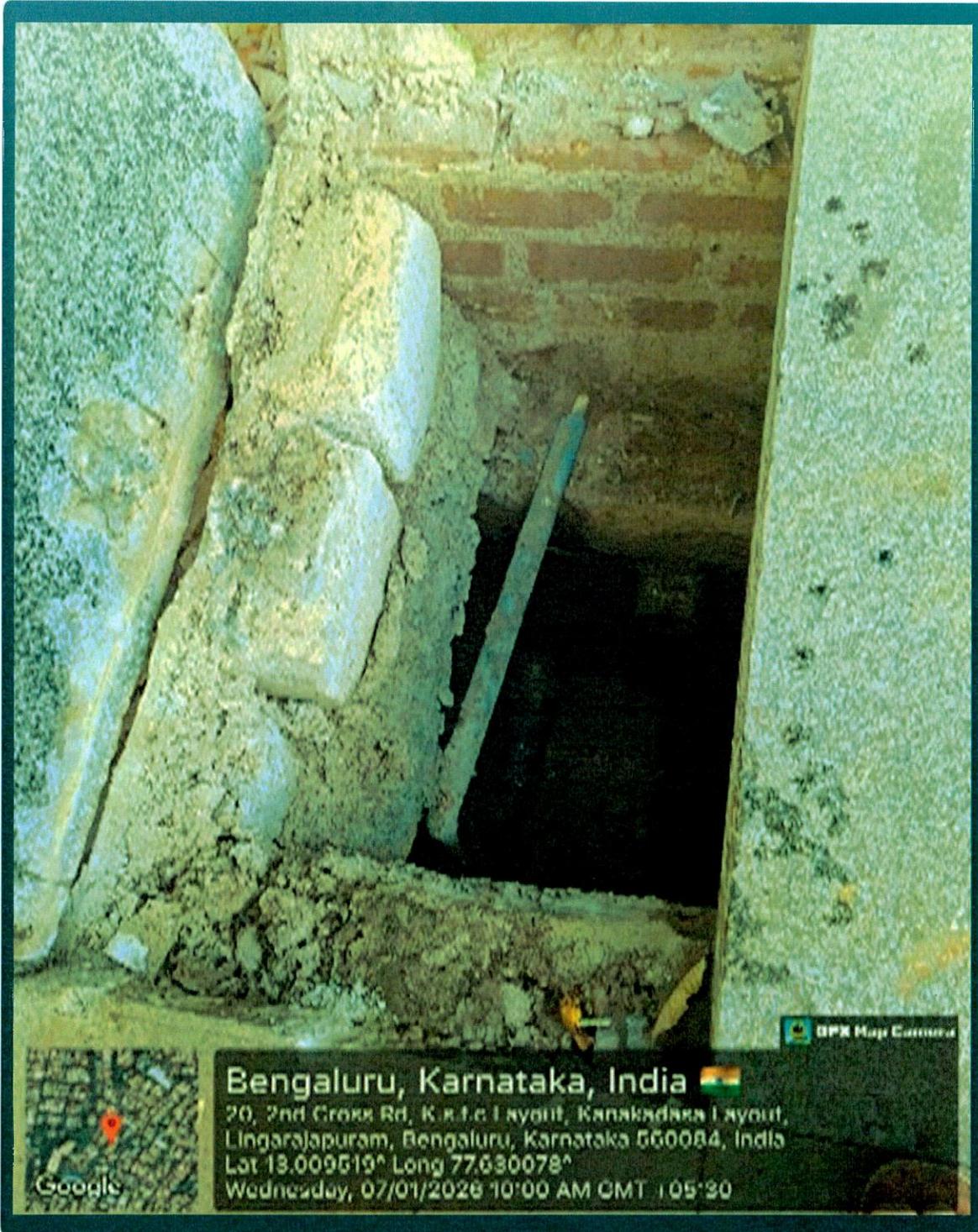
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Bengaluru, Karnataka, India 
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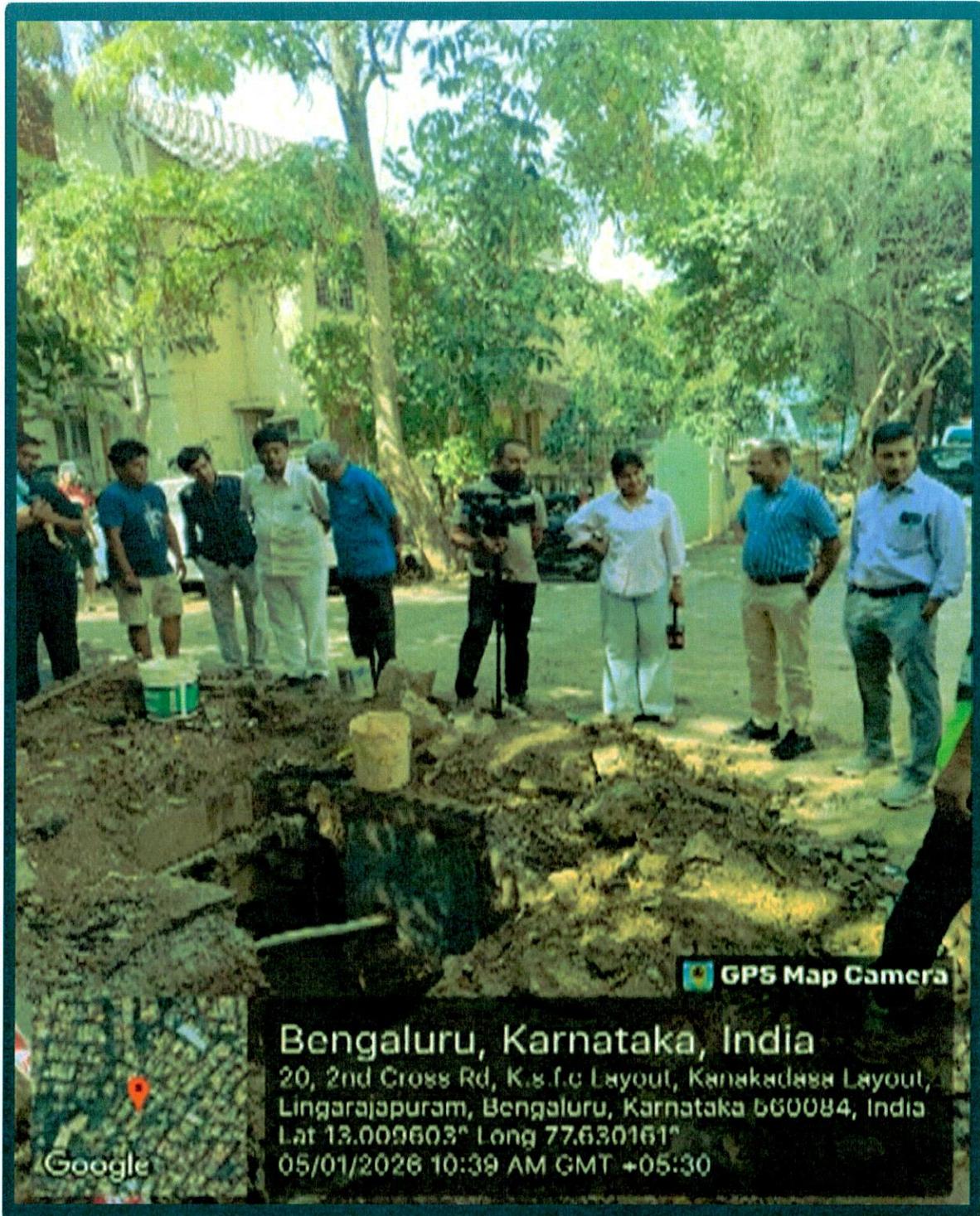




Bengaluru, Karnataka, India 🇮🇳
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OPR Map Camera





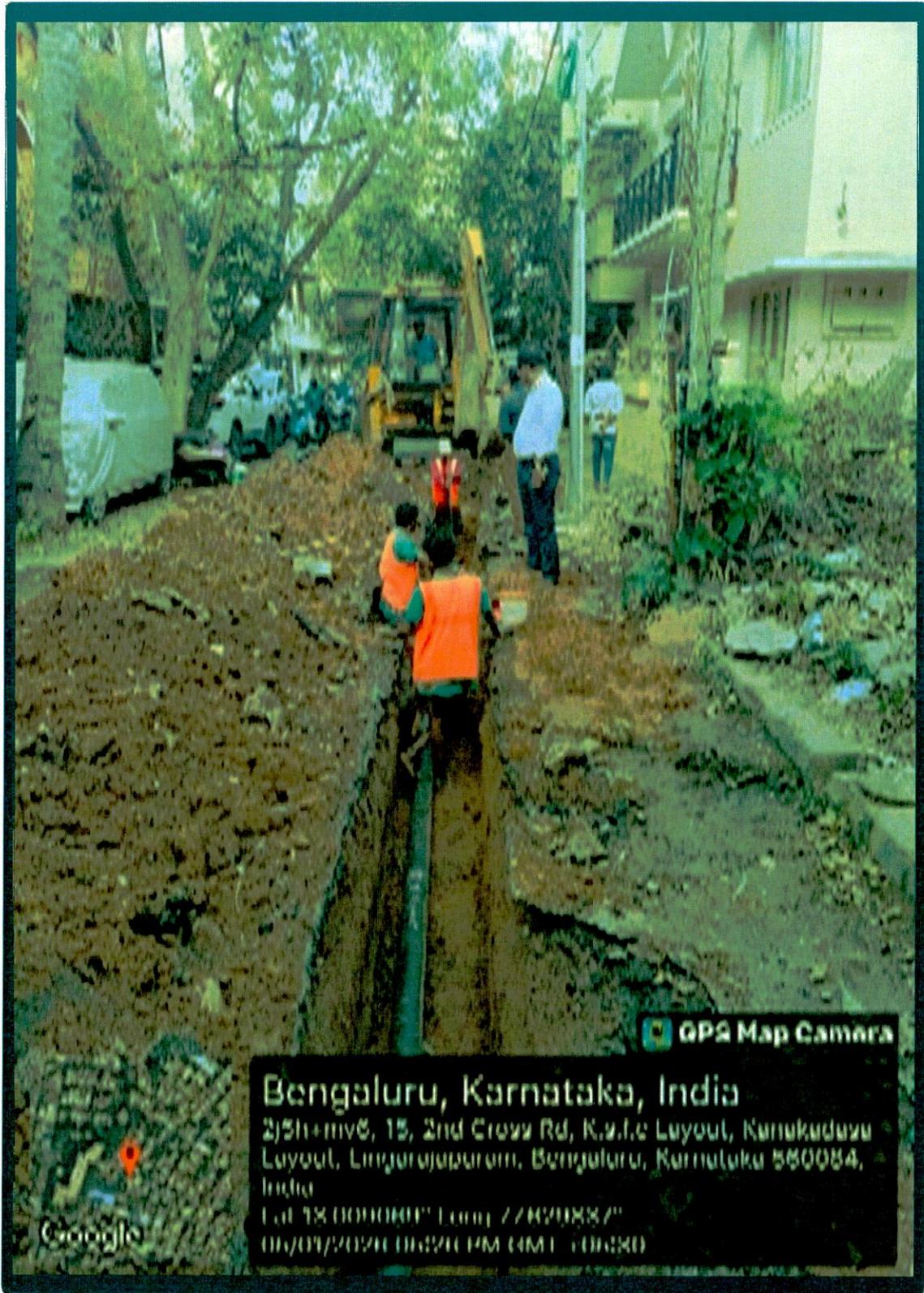
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Bengaluru, Karnataka, India
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GPS Map Camera

Bengaluru, Karnataka, India

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Layout, Lingarajapuram, Bengaluru, Karnataka 560004,
India

Lat 13.000221° Long 77.622704°

05/01/2020 05:15 PM GMT +05:30

Google



BANGALORE WATER SUPPLY & SEWERAGE BOARD

WATER QUALITY REPORT

Date of Sampling	08-Jan-2026	Division	Cast - 2
Analysis Date	08-Jan-2026	Sub-Division	Post 2.2
Analysis Completed On	12-Jan-2026	Service Station	Lingajapuram
DR Number	C-143210	Reference Sample Id	
Address	#17, 3rd A Main, SSPC Layout, Lingajapuram (Complaint Sample)		

Sl.No.	Parameters	Unit	Result	As per IS-10500:2012		Remarks
				Desirable Limit	Permissible Limit	
1	pH		8.61	8.5 - 8.5		
2	TDS	mg/l	NA	500	2000	
3	Turbidity	NTU	2.07	1	5	
4	Hardness	mg/l	NA	200	500	
5	Calcium	mg/l	NA	75	200	
6	Alkalinity	mg/l	NA	200	400	
7	Chloride	mg/l	NA	250	1000	
8	Magnesium	mg/l	NA	30	100	
9	Fluoride	mg/l	NA	1	1.5	
10	Iron	mg/l	NA	1		
11	Aluminum	mg/l	NA	0.05	0.2	
12	Lead	mg/l	NA	0.01		
13	Sulphate	mg/l	NA	200	400	
14	Nitrate	mg/l	NA	45		
15	Residual Chlorine	ppm	0.4	0.2	1	
16	Total Coliform	cf Present/Absent for 1	Absent	Shall not be detectable		
17	Coli	cf Present/Absent for 1	Absent	Shall not be detectable		
18	Manganese	mg/l	NA	0.1	0.3	
19	Free	Mg/l	NA	4	18	
20	Conductivity	uS/cm	441			

Result **NSP**

End of Result

Notes: # - Results applicable only for above samples and tested parameters

#S SPP: Satisfactory for Potable Purpose, NSPP: Not Satisfactory for Potable Purpose

This is an auto-generated report from the WQSMS Software



(फॉर्म III (स्कीम III के पैरा 3 के उप-पैरा (5) को देखें)
Form III (Refer Sub-Para (5) of Para 3 of Scheme III)

भारतीय मानक ब्यूरो BUREAU OF INDIAN STANDARDS

पेयजल आपूर्ति प्रबंधन पद्धति प्रमाणन अनुज्ञप्ति

LICENCE FOR DRINKING WATER SUPPLY MANAGEMENT SYSTEM CERTIFICATION

लाइसेंस सं. पीडीडब्ल्यूएसएमएस/एसआरओ/ल- 2024127269

Licence No. PDWSMS/SRO/L- 2024127269

1. भारतीय मानक ब्यूरो अधिनियम 2016 (2016 का 11) द्वारा प्रदत्त शक्ति के आधार पर, ब्यूरो इसके द्वारा अनुदान/पुनःप्रमाणित करता है

By virtue of the power conferred on it by the Bureau of Indian Standards Act 2016(11 of 2016, the Bureau hereby grants/re-certifies to

बैंगलोर वाटर सप्लाय एवं सीवेज बोर्ड

M/s Bangalore Water Supply & Sewerage Board

कावेरी भवन

Cauvery Bhavan

केम्पेगौडा रोड

Kempegowda Road

बैंगलुरु - 560009

Bangaluru - 560009

कर्नाटक, भारत

Karnataka, India

को (जिन्हें इसके बाद लाइसेंसधारी कहा गया है) इसके साथ लगी अनुसूची में विशेष रूप से वर्णित उत्पादों और/या सेवाओं या प्रक्रमों के संबंध में ब्यूरो के पाइप पेयजल आपूर्ति प्रबंधन पद्धति प्रमाणन के लाइसेंसधारियों के रजिस्टर(रों) में उसी संख्या से सूचीबद्ध होने का अधिकार और लाइसेंस प्रदान/नवीकृत करता है, जो इस लाइसेंस की है। इस प्रकार के उत्पाद और/या सेवाएं या प्रक्रम लाइसेंसधारी द्वारा IS 17482:2020 के अनुरूप पाइप पेयजल आपूर्ति प्रबंधन पद्धति के अनुसार केवल ऊपर बताए गए पते (पत्तों) पर निर्मित/प्रदत्त/प्रचालित किए जाएंगे।

(hereinafter called the Licensee) the right and licence to be listed in the Bureau's register(s) of Licensees of Piped Drinking Water Supply Management Systems Certification in respect of the products and/or services or processes particularly described in the schedule hereto, bearing the same number as this licence. Such products and/or services or processes shall be manufactured/provided/carried out by the Licensee at only the address(es) given above, and under the Piped Drinking Water Supply Management Systems Certification in accordance with IS 17482:2020.

2. यह लाइसेंस इस लाइसेंस का विनियम करने वाले उपरोक्त अधिनियम और उसके अधीन बनाए गए नियमों और विनियमों के संबद्ध प्रावधानों के अंतर्गत स्वीकृत/नवीकृत किया गया और लाइसेंसधारी एतद द्वारा ब्यूरो को उपरोक्त नियमों और विनियमों का विधिवत पालन करने का वचन देता है।

The licence is granted/re-certified subject to the relevant provisions of the above Act and the rules and regulations made thereunder governing the licences referred to above, and the Licensee hereby covenants with the Bureau duly to observe with the said Rules and Regulations.

3. यह लाइसेंस 06 मार्च 2025 से 05 मार्च 2028 तक वैध होगा और इसका विनियमों के अनुसार नवीकरण किया जा सकेगा।

This licence shall be valid from 06 March 2025 to 05 March 2028 and may be renewed as prescribed in the Regulations.

मार्च 2025 के 11 तारीख को हस्ताक्षरित एवं मुहरांकित

Signed, Sealed and Dated on 11th day of March 2025

प्रवीण खन्ना

प्रवीण खन्ना / PRAVEEN KHANNA

(प्रवीण खन्ना)

वैज्ञानिक-जी एवं उप महानिदेशक दक्षिण
Scientist-G & Deputy Director General (South)

वैज्ञानिक जी और उप महानिदेशक (दक्षिणी क्षेत्र)

भारतीय मानक ब्यूरो

कृते भारतीय मानक ब्यूरो

उपरोक्त मामले, खाद्य एवं सार्वजनिक वितरण मंत्रालय

(PRAVEEN KHANNA)

भारत सरकार / Government of India

BUREAU OF INDIAN STANDARDS

Ministry of Consumer Affairs, Food & Public Distribution

Sc 'G' & Deputy Director General (Southern Region)
for BUREAU OF INDIAN STANDARDS

तामिळुनै / Tamil Nadu, Chennai - 600 113

East Certification Agency, N/A. Audit date : 03 to 05 March 2025

Certificate due date : 05 Mar 2028





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लाइसेंस सं. पीडीडब्ल्यूएसएमएस/एसआरओ/ल- 2024127269 की अनुसूची
Schedule to Licence No. PDWSMS/SRO/L- 2024127269

जारी: बेंगलोर वाटर सप्लाय एवं सीवरेज बोर्ड
कावेरी भवन
केम्पेगौडा रोड
बेंगलुरु - 560009
कर्नाटक, भारत

Issued to: M/s Bangalore Water Supply & Sewerage Board
Cauvery Bhavan
Kempgowda Road
Bengaluru - 560009
College Road, Nungambakkam - 600006
Karnataka, India

अनुसूची
SCHEDULE

वे उत्पाद/सेवाएँ/प्रक्रम जिनके संबंध में फर्म को पाइप पेयजल आपूर्ति प्रबंधन पद्धति प्रमाणन लाइसेंस स्वीकृत/ नवीकृत किया गया है :
Products/Services/Processes with respect to which the firm has been granted/re-certified the licence for Piped Drinking Water Supply Management Systems Certification:

“Provision of Urban piped drinking water supply, including the intake from source, treatment, storage, pumping, distribution through a piped network under its Jurisdiction, maintenance, metering and billing to consumers, while ensuring sustainable water resource management, compliance with statutory and regulatory requirements, and adherence to the acceptable limits for drinking water quality standards as per IS 10500”, at Bangalore Water Supply & Sewerage Board, Cauvery Bhavan, Kempgowda Road, Bangalore - 560009, Karnataka, India.

Service Area : BWSSB Jurisdiction Map as per Certification Audit - letter for scope for certification
No. BWSSB/CE(D&QA)TE/ACE/TA/4798/2024-25, dated 05-03-2025

प्रवीण खन्ना / PRAVEEN KHANNA
वैज्ञानिक-जी एवं उप महानिदेशक दक्षिण
Scientist-G & Deputy Director General (South)
भारतीय मानक ब्यूरो
उपभोक्ता मामले, खाद्य एवं सार्वजनिक वितरण विभाग
भारत सरकार / Government of India
BUREAU OF INDIAN STANDARDS
Ministry of Consumer Affairs, Food & Public Distribution
तरमणी, चेन्नै / Taramani, Chennai - 600 113.

प्रवीण खन्ना

(प्रवीण खन्ना)

वैज्ञानिक जी और उप महानिदेशक (दक्षिणी क्षेत्र)

कृते भारतीय मानक ब्यूरो

(PRAVEEN KHANNA)

Scientist-G & Deputy Director General (Southern Region)
for BUREAU OF INDIAN STANDARDS





National Accreditation Board for
Testing and Calibration Laboratories

CERTIFICATE OF ACCREDITATION

JAYANAGAR WATER TESTING LABORATORY

has been assessed and accredited in accordance with the standard

ISO/IEC 17025:2017

**"General Requirements for the Competence of Testing &
Calibration Laboratories"**

for its facilities at

1ST FLOOR, 27TH A CROSS, 10TH MAIN, 4TH BLOCK, BENGALURU, KARNATAKA, INDIA

in the field of

TESTING

Certificate Number: TC-15072

Issue Date: 10/12/2024

Valid Until: 09/12/2028

This certificate remains valid for the Scope of Accreditation as specified in the annexure subject to continued satisfactory compliance to the above standard & the relevant requirements of NABL.
(To see the scope of accreditation of this laboratory, you may also visit NABL website www.nabl-india.org)

Name of Legal Entity: BANGALORE WATER SUPPLY AND SEWAGE BOARD

Signed for and on behalf of NABL



N. Venkateswaran
Chief Executive Officer



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	JAYANAGAR WATER TESTING LABORATORY, 1ST FLOOR, 27TH A CROSS, 10TH MAIN, 4TH BLOCK, BENGALURU, KARNATAKA, INDIA	Page No	1 of 3
Accreditation Standard	ISO/IEC 17025:2017	Last Amended on	-
Certificate Number	TC-15072		
Validity	10/12/2024 to 09/12/2028		

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
Permanent Testing				
1	BIOLOGICAL- WATER	Borewell water	E Coli	IS 15185
2	BIOLOGICAL- WATER	Borewell water	Total Coliform	IS 15185
3	BIOLOGICAL- WATER	Drinking Water	E Coli	IS 15185
4	BIOLOGICAL- WATER	Drinking Water	Total Coliform	IS 15185
5	CHEMICAL- RESIDUES IN WATER	Borewell water	Aluminium as Al	IS 3025 (part 55) method a
6	CHEMICAL- RESIDUES IN WATER	Borewell water	Boron as B	IS 3025 (Part 57), Method a
7	CHEMICAL- RESIDUES IN WATER	Borewell water	Iron as Fe	IS 3025 (Part 53) , method a
8	CHEMICAL- RESIDUES IN WATER	Borewell water	Manganese	IS 3025 (Part 59)
9	CHEMICAL- RESIDUES IN WATER	Drinking water	Aluminium as Al	IS 3025 part 55, Method a
10	CHEMICAL- RESIDUES IN WATER	Drinking Water	Boron as B	IS 3025 (Part 57), Method a
11	CHEMICAL- RESIDUES IN WATER	Drinking water	Iron as Fe	IS 3025 (Part 53), method a
12	CHEMICAL- RESIDUES IN WATER	Drinking Water	Manganese	IS 3025 (Part 59)
13	CHEMICAL- WATER	Borewell water	Acidity as CaCO ₃	IS 3025(Part 22), method a
14	CHEMICAL- WATER	Borewell water	Calcium as Ca	IS 3025 (Part 40), method a
15	CHEMICAL- WATER	Borewell water	Chloride as Cl	IS 3025 (Part 32), method a
16	CHEMICAL- WATER	Borewell water	Colour	IS 3025 (Part 4)
17	CHEMICAL- WATER	Borewell water	Conductivity @ 25 degree C	IS 3025 (part 14)
18	CHEMICAL- WATER	Borewell water	Fluoride as F	APHA 24th Edition 4500 F - C



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

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Accreditation Standard	ISO/IEC 17025:2017	Last Amended on	-
Certificate Number	TC-15072		
Validity	10/12/2024 to 09/12/2028		

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
19	CHEMICAL- WATER	Borewell water	Magnesium as Mg	IS 3025 (Part 46)
20	CHEMICAL- WATER	Borewell water	Nitrate as NO ₃ - N	IS 3025 (Part 34) Sec 1
21	CHEMICAL- WATER	Borewell Water	Nitrite as NO ₂ - N	IS 3025 (Part 34) : Sec 1
22	CHEMICAL- WATER	Borewell water	Odour	IS 3025 (Part 5)
23	CHEMICAL- WATER	Borewell water	Oil & Grease	IS 3025 (Part 39) , method b.
24	CHEMICAL- WATER	Borewell water	pH @ degree C	IS 3025 (Part 11)
25	CHEMICAL- WATER	Borewell water	Phosphorous	IS 3025 (Part 31/Sec) , Method a
26	CHEMICAL- WATER	Borewell water	Silica	IS 3025 (Part 35) Method b ,
27	CHEMICAL- WATER	Borewell water	Sulphate as SO ₄	IS 3025(Part-24/Sec 1) ,Method a
28	CHEMICAL- WATER	Borewell water	Sulphide	IS 3025 (Part 29)
29	CHEMICAL- WATER	Borewell water	Temperature	IS 3025 (Part 9)
30	CHEMICAL- WATER	Borewell water	Total Alkalinity as CaCO ₃	IS 3025(Part23) , method a
31	CHEMICAL- WATER	Borewell water	Total Dissolved Solids	IS 3025(Part16)
32	CHEMICAL- WATER	Borewell water	Total Hardness as CaCO ₃	IS 3025 (Part21), method a
33	CHEMICAL- WATER	Borewell water	Total Solids	IS 3025 (Part 15)
34	CHEMICAL- WATER	Borewell Water	Total Suspended Solids	IS 3025 (Part 17)
35	CHEMICAL- WATER	Borewell water	Turbidity	IS 3025(Part10)
36	CHEMICAL- WATER	Drinking Water	Acidity as CaCO ₃	IS 3025 (Part 22), method a
37	CHEMICAL- WATER	Drinking Water	Calcium as Ca	IS 3025 (Part 40) , method a
38	CHEMICAL- WATER	Drinking Water	Chloride as Cl	IS 3025 (Part 32), method a
39	CHEMICAL- WATER	Drinking Water	Colour	IS 3025 (part 4)



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SCOPE OF ACCREDITATION

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Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-15072	Page No	3 of 3
Validity	10/12/2024 to 09/12/2028	Last Amended on	-

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
40	CHEMICAL- WATER	Drinking Water	Conductivity @ 25 degree C	IS 3025 (part 14)
41	CHEMICAL- WATER	Drinking Water	Fluoride as F	APHA 24th Edition 4500 F - C
42	CHEMICAL- WATER	Drinking water	Magnesium as Mg	IS 3025 (Part 46)
43	CHEMICAL- WATER	Drinking Water	Nitrate as No3	IS 3025 (Part 34) : Sec 1
44	CHEMICAL- WATER	Drinking Water	Nitrite as NO2 - N	IS 3025 (Part 34) : Sec 1
45	CHEMICAL- WATER	Drinking Water	odour	IS 3025 (Part 5)
46	CHEMICAL- WATER	Drinking Water	pH @ 25 degree C	IS 3025 (Part 11)
47	CHEMICAL- WATER	Drinking Water	Phosphorous	IS 3025 (Part 31/Sec 1) , Method a
48	CHEMICAL- WATER	Drinking Water	Residual free chlorine	IS 3025 (Part 26) , method c
49	CHEMICAL- WATER	Drinking Water	Silica	IS 3025 (Part 35) Method b
50	CHEMICAL- WATER	Drinking water	Sulphate as SO4	IS 3025(Part-24/sec 1), Method a
51	CHEMICAL- WATER	Drinking Water	Sulphide	IS 3025 (Part 29)
52	CHEMICAL- WATER	Drinking Water	Temperature	IS 3025(Part 9)
53	CHEMICAL- WATER	Drinking Water	Total Alkanity as CaCO3	IS 3025(Part 23), method a
54	CHEMICAL- WATER	Drinking Water	Total Dissolved Solids	IS 3025(Part 16)
55	CHEMICAL- WATER	Drinking water	Total Hardness as CaCO3	IS 3025 (Part 21), method a
56	CHEMICAL- WATER	Drinking Water	Total solids	IS 3025 (Part 15)
57	CHEMICAL- WATER	Drinking Water	Total Suspended Solids	IS 3025 (Part 17)
58	CHEMICAL- WATER	Drinking Water	Turbidity	IS 3025 (Part 10)