

C40 Cities Engagements with Bengaluru City



Image: Jagadeesh N.V (Reuters)

September 2025

Bengaluru as a C40 City

[C40](#) is a network of nearly 100 megacities around the world committed to ambitious inclusive climate action. Bengaluru has been a C40 city since 2017, committing to accelerated climate action as a part of C40's membership requirements (known as Leadership Standards). Bengaluru is a signatory to C40's [Clean Air Accelerator](#). Bengaluru is part of C40's networks on Waste Management, Mass Transit, Walking and Cycling, Zero Emission Areas and Zero Emission Freight.

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1. Climate Action Planning

Bengaluru Climate Action Plan

Part of C40's 2021-24 Membership Requirements (called Leadership Standards) required all C40 cities to adopt Paris-agreement aligned Climate Action Plans (CAPs). C40 supported BBMP to develop its CAP with WRI as knowledge partners. On November 15 2023, the city finalised the Climate Action Plan through a meeting chaired by Shri. DK Shivakumar, Hon' Deputy Chief Minister of Karnataka and on November 27, 2023 the Bengaluru Climate Action Plan (BCAP) was launched officially by the city. The development of the BCAP was a critical milestone for Bengaluru and an inspiration for cities in the Global South. It has led towards showcasing how political commitment and leadership is key to driving ambitious climate action. By bringing diverse stakeholders into the discussions, the BCAP encapsulates the collective effort of the city in shaping a sustainable and resilient future.

C40 subsequently invited officials from various city and state government departments and agencies, as well as urban practitioners, civil society organisations and experts together for a Stakeholder Workshop aimed towards the Implementation of Bengaluru Climate Action Plan, in January 2024.

Workshop on Implementation of Bengaluru's Climate Action Plan

The stakeholder workshop was organised with the objective of disseminating the Bangalore Climate Action Plan and jointly charting out pathways towards implementation, under the leadership of UDD, GoK and BBMP on 12th January 2024. The workshop was chaired by Prof. Rajeev Gowda, Former Rajya Sabha MP and Vice Chairman of Karnataka Planning Board along with Shri. Rakesh Singh IAS, Additional Chief Secretary, Urban Development & Water Resources Department, Karnataka. The key findings of BCAP were presented at the workshop, followed by panel discussions on mainstreaming climate into institutional processes, as well as incorporating inclusivity into climate actions. Panel discussions with key stakeholders including KREDL, BBMP, BDA, CSTEP, ISEC, Hasiru Dala and more, including strategic interactive sessions generated pathways for implementation. Full details present in the workshop report [here](#).



Panels from the BCAP Implementation Event

Early in 2024, the BBMP set up the Bengaluru Climate Action Cell (BCAC), which has been the key body regularly meeting and coordinating stakeholders towards implementation, monitoring and mainstreaming of the Bengaluru Climate Action Plan. C40 Cities is officially a knowledge partner to the BCAC and has been working in close collaboration with the Cell towards implementation of identified climate actions.

Climate Action Prioritisation

The Climate Action Cell, through C40 support, led a rigorous prioritisation exercise, to enable all the relevant government stakeholders in identifying high impact actions using C40's [ASAP tool](#). The objective was to help identify actions that deliver high emission reductions, build resilience to risks and are inclusive using parameters around feasibility and co-benefits. Several stakeholder consultations were held with bodies including DULT, BMRCL, KREDL, etc from March-May 2024 (summary of consultations provided in Annex I).

On May 31 2024, a final Climate Action Prioritization workshop was organised by C40 with support from BBMP's Climate Cell. A climate action game was facilitated among all the stakeholders which allowed participants to identify actions based on budget, impact, and implementation time, providing a clearer understanding of the co-benefits and feasibility of each action. Actions were shortlisted sector-wise: In the Energy & Buildings sector, one long-term action that was shortlisted was the adoption of rooftop solar and passive solar design into public buildings. In the Transport sector, measures to boost public transport accessibility, promote vehicle transition and transit oriented development were prioritised in short, medium and long-term. **The full list of prioritised actions by sector can be found [here](#).** Based on the outcomes of the prioritisation exercise, C40 has tailored its current support to the Climate Action Cell.



Sector-wise groups engaging in BCAP Prioritisation 'card game' exercise on May 31, 2024



Participants after the Climate Action game at the Prioritization Workshop

As an outcome of the action prioritisation exercise, C40 is supporting Bengaluru in the implementation and monitor of BCAP Actions through the following projects:

- **Updation of Bengaluru's GHG inventory** and building capacity of the city in monitoring the progress made in reducing its emissions. (October 2024 - March 2025)
- **Energy Transition:**
 - **Solar Energy Transition Roadmap of Municipal Buildings** in Bengaluru (July 2024 - September 2025). Helps the city meet the prioritised BCAP goal of 50% of public buildings' energy requirement coming from renewable energy.
- **Mobility:**
 - **Clean Air Zone Roadmap** for Bengaluru is being developed which will identify a zone in the city that can be transitioned into a Clean Air Zone through strategies like improving public transport, active mobility, congestion pricing and parking management, to improve air quality and public health. (May 2024 - August 2025)
 - **EV Readiness for scaling Electric Freight**
- **Waste Management:**
 - Integration of **Inclusive Climate Action into Bengaluru's Waste Management** practises is a long-standing engagement of C40 in Bengaluru. (2022 - 2025)
 - **Transforming Cities** Waste Management Programme (April - December 2025)
- **Climate Resilience:**
 - **Accelerating Inclusive Heat and Health Action in Bengaluru:** A Technical Assistance to **understand and act on urban heat**, through resilient high impact actions, addressing public health actions and decision-making tools. (Jan 2025 - June 2026)
 - **Resilient and Inclusive Urban Nature** Bengaluru (September 2025 - December 2026)

Bengaluru's GHG Inventory Update

In line with C40's membership requirements (Leadership Standards) 2025-30), all C40 cities must publish GPC-compliant GHG emissions inventory at least every 4 years, based on data no older than 3 years). BBMP's Climate Action Cell in collaboration with C40 is working on updating Bengaluru's GHG inventory from the last inventory which was prepared for the year 2019. C40 is delivering this project on ground in collaboration with Auroville Consulting and Asar.

The project was kicked off on 7 October 2024, and a training and capacity building workshop was held on 8th November 2024, with various government departments and agencies involved in the process of developing inventories.

The project is currently in the data collection phase, and the latest update has been shared with Bruhat Bengaluru Mahanagar Palike (BBMP) during the update of Feb 12, 2025. The required data for the exercise has been received from BESCOM, BMTC and BSWML. We are in the process of collecting data from BWSSB, KSPCB, BMRCL and IOCL. The Data Collection Guide will be finalized once the data collection process is complete, incorporating final sources for Stationary, Transportation, and Waste sectors, as well as On-Road Transportation calculations.



GHG Inventory capacity building workshop held on 8th November 2024

Bengaluru's inventory has been compiled on the City Inventory Reporting and Information System (CIRIS), an Excel-based tool developed by C40 for managing, calculating and reporting city greenhouse gas emissions inventory data. The tool is based on the Global Protocol for Community-Scale Greenhouse Gas Emission Inventories (GPC) standard, and as part of C40's Leadership Standard's all C40 cities must have an inventory compliant with the GPC standard.

<p>Completed</p>	<ul style="list-style-type: none"> ● Activity 1: Updated Data Collection Guide and workplan, including activity, methodology, and letters to request data from data providers ● Activity 2: First version of updated Inventory Management Plan and Delivery of a GHG emissions inventory workshop and brief report summarising the outcomes ● Activity 3 : Draft GHG Inventory preparation ● Activity 4 : GHG Inventory Review
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| | <ul style="list-style-type: none">• Activity 5: Final Report |
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So far 2 GHG inventories for Bengaluru have been prepared. First inventory was prepared for the year 2019-20 under the BCAP and second for the year 2022-23. The 2019 inventory calculated a total of 19.61 MMT CO₂e with a per capita of 1.93MT. The 2022 inventory calculated a total 18.22 MMT CO₂e with a per capita of 1.67 MT. The inventory composition included Stationary Energy- 67%, Transport- 21% and Waste- 12%. Current challenges include data collection boundaries of different departments not matching with BBMP boundary.

2. Energy Transition

Solar Energy Transition Roadmap of Municipal Buildings in Bengaluru

About 68% of Bengaluru's emissions are from the Energy and Buildings sector. The BCAP sets a target of ensuring that 50% of public buildings' energy requirement is met through renewable energy in the medium term. Public buildings, with their substantial energy consumption, play a significant role in the city's energy profile, and decarbonising public buildings will have a high impact. Working closely with BBMP's Climate Action Cell, C40 in collaboration with CSTEP is developing this project towards enabling the city to meet this CAP target. This project will develop two key outputs:

(1) A Comprehensive Technical and Policy Assessment: currently in final design stages has mapped municipal buildings geospatially and created a database based on their current energy usage, solar potential, emissions savings, etc. The objective of the Comprehensive Technical Baseline Assessment report is to establish the solar potential for BBMP's building stock, and review existing policies, identifying strengths and barriers to implementation.

(2) A Roadmap for Rooftop Solar in Municipal Buildings: through stakeholder consultations, and financial and business model analysis, this roadmap will identify suitable areas for pilot projects and in-depth research. Expected to be finalised in September 2025, the roadmap will outline actions, sub-actions, targets, and timelines to achieve the abovementioned BCAP goal.



Project kick-off meeting in August 2024 with BESCOM, BCAC, KREDL, C40 and CSTEP

The project was initiated on July 24th 2024 through an inception meeting with BCAC, BESCOM KREDL and CSTEP. Subsequently, data collection to establish current energy usage in all BBMP buildings across the eight BBMP zones began, accompanied by estimating solar potential of these buildings using geospatial analysis. Stakeholder meetings were held with BBMP, Zonal DCFs, Karnataka Electricity Regulatory Commission (KERC) and BESCOM (in Aug-Dec 2024) to accelerate the data collection efforts, understand the current scenario and challenges faced in solarising public buildings. Data has currently been received from 443 buildings, where 80 buildings have been identified as high priority (with sanctioned

load >10kW), representing 87% of the total sanctioned load for all viable municipal buildings and pre-feasibility reports were generated for all the buildings zone-wise. Site visits were conducted ward-wise to validate findings from the data analysis.

The comprehensive technical and policy assessment has been completed, which showcases that across BBMP buildings in the city's 8 zones, between **3.7 MW to 6.2 MW of solar capacity can be generated in the priority buildings** (whose total Sanctioned Load (SL) is 8.6 MW), depending on the business model that is chosen. The assessment calculates estimates for four business model scenarios: (1) CAPEX meeting the building's energy consumption, with typically the lowest solar potential (2) CAPEX matching building Sanctioned Load, (3) RESCO matching building Sanctioned Load and (4) typically the model with highest estimated capacity, RESCO model saturating all viable rooftop area. Thus, the key finding of the analysis has been that **43 - 72% of the SL of priority municipal buildings can be met through Rooftop Solar**.

Policy analysis identifies barriers to RTS adoption, including absence of allocated budgets for RTS within govt depts, delays in signing of PPA due to intra-departmental coordination challenges, lack of effective O&M practices, older structures of govt buildings that pose structural challenges to RTS installation. The report also recommends some measures that can address these challenges including specifying higher rooftop solar capacity mandates, enabling virtual and group net metering, expanding peer-to-peer energy trading, developing comprehensive retrofitting guidelines, dedicated budget allocations along with the revision of feed-in tariffs, and ensuring budget and follow-through of effecting monitoring and robust O&M protocols. The Implementation Roadmap will then build on these recommendations and stakeholder discussions to chart a phased plan for municipal solar adoption, to meet the BCAP goal.



Pictures from field visits conducted in Dasarahalli and RR Nagar Zones



Screenshots from solar potential analysis for Kengeri Crematorium in RR Nagar using CSTEP's geospatial tool

<p>Completed</p>	<ul style="list-style-type: none"> ● Data collection, drone imagery and analysis of buildings in all BBMP's zones to create a dynamic municipal solar map. ● Zone-wise prefeasibility reports complete ● Stakeholder consultations with KERC, BESCOM, KREDL in Dec '24, June '24 ● Deliverable A: Technical and Policy Assessment completed
<p>In-progress and Next Steps</p>	<ul style="list-style-type: none"> ● Stakeholder workshop with BBMP, BESCOM, KREDL, RTPV developers and other key players- September 25 ● Roadmap Development for Rooftop PV Systems by 20 September 2025

3. Mobility

Roadmap towards Implementation of Clean Air Zones (CAZ)

Across the globe, over 30 C40 cities – including London, Paris, Bogota and Seattle are working to create clean air zones- areas in a city with measures to cut toxic pollution from vehicles, promote active travel like walking, cycling and public transport, and prioritise people over cars. C40 Cities is working with the Bengaluru Climate Action Cell in developing the Clean Air Zone Roadmap 2030 for Bengaluru, aimed at reducing transport-related emissions and improving public health. The roadmap will outline the implementation strategy, focusing on areas with the highest GHG emissions and air pollution levels to maximize public health benefits, with the long-term goal of scaling the CAZ citywide. The BCAP has identified actions focused on reducing emissions from the transport sector through transitioning to cleaner and greener vehicles in both passenger and freight, restriction of vehicle movement to limit tailpipe emissions especially by heavy duty vehicles, improving public transport and non-motorized transport- all of which are the key strategies of clean air zone (CAZ) or zero emission areas in identified hotspots. Implementing such zones in Bengaluru will require a package of mobility measures delivered in a coordinated manner.

To achieve this, C40 is working with key stakeholders including the Directorate of Urban Land Transport (DULT), Bruhat Bengaluru Mahanagara Palike (BBMP), Karnataka State Pollution Control Board (KSPCB), Bangalore Metro Rail Corporation Limited (BMRCL), Bengaluru Traffic Police (BTP) and the Transport Department. C40 is delivering this project in collaboration with Arcadis (IBI Group). The roadmap preparation process involves detailed data analysis, stakeholder consultations, and the identification of priority areas and strategies for phased implementation.

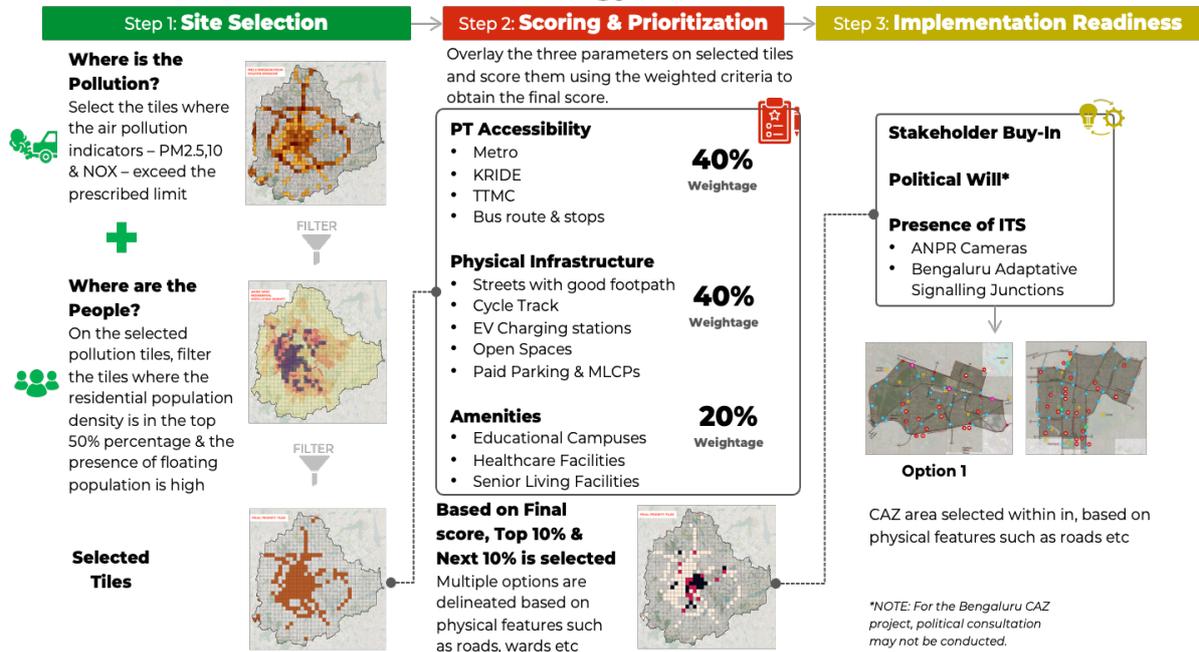


Kick-off meeting with key stakeholders held in BBMP Office on 12 Feb 2025

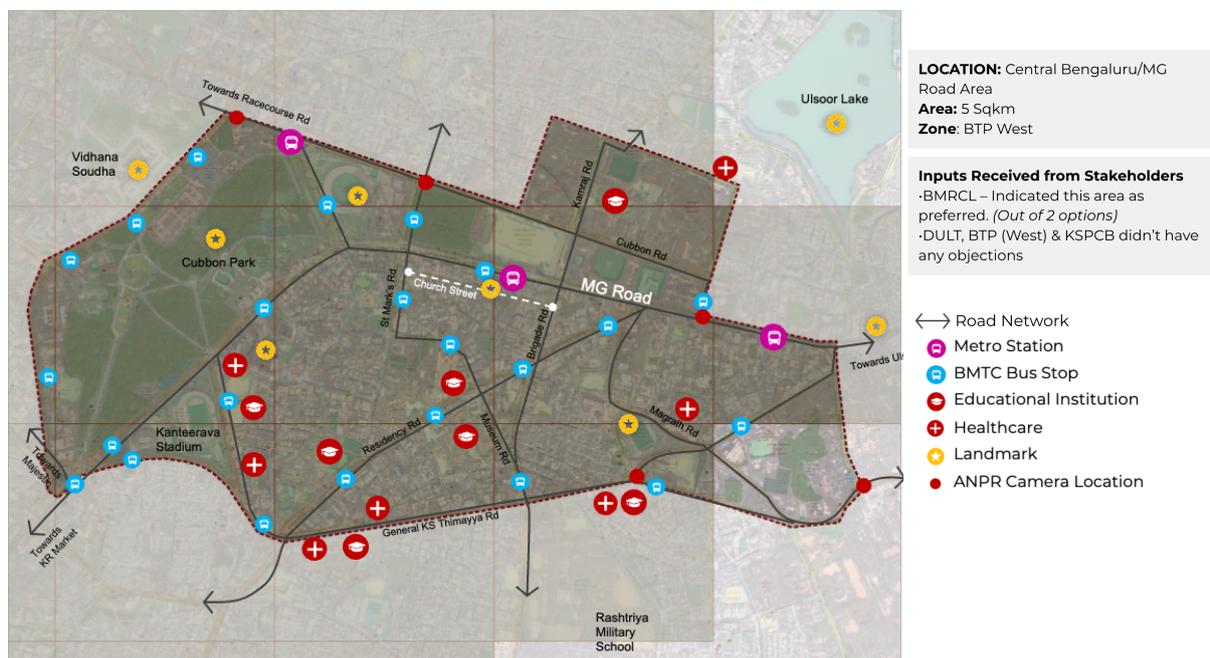
The project was kicked off with preparation of a detailed methodology for roadmap preparation and delineation of the CAZ area. A stakeholder meeting was held in Bengaluru on 12 February 2025 with all key stakeholders to update them about the project and objectives. Following this, one-on-one consultations were organized with key departments to refine the approach, finalize the target area, and identify

critical strategies to be implemented in the identified CAZ. These consultations aim to align the priorities of all stakeholders and gather inputs on the implementation feasibility of proposed CAZ policies. The input and feedback received is valuable in drafting the policy recommendations and implementation roadmap. Below are the details of methodology adopted and inputs received from 1:1 consultations for identified CAZ zone

Revised CAZ Delineation Methodology (Based on inputs)



The project involves multiple phases, including area identification, data collection and analysis to establish a baseline, identifying implementable interventions in the CAZ.



Government stakeholder/ Department	Input/ feedback received
Directorate of Urban Land Transport (DULT)	<ul style="list-style-type: none"> • Using a multi-criteria analysis along with data overlays to select a zone for CAZ delineation. • Considering a mix of population types, the west zone is largely residential.
Bangalore Metro Rail Corporation Limited (BMRCL)	<ul style="list-style-type: none"> • Suggested exploring ways to improve last-mile connectivity • Suggested the CBD as the preferred pilot CAZ site due to its high floating population, metro accessibility, and mixed residential presence • Supports greening vacant lands
Bengaluru Traffic Police- West	<ul style="list-style-type: none"> • Sticker system can be introduced for easy enforcement • Freight movement (heavy goods vehicles) can be controlled • Options for pedestrianization based on feasibility • Suggested exploring a hub-spoke model for movement within the CAZ - Metro station/ e-autos
Karnataka State Pollution Control Board (KSPCB)	<ul style="list-style-type: none"> • Installation of additional CAAQMs would be as per the latest census, with approx. cost of 1.5Cr per monitor • Suggested that both push and pull strategies be employed • State Government in consultation with KSPCB can use the Air Act 1981 to declare a Polluted air zone

Current Status/ Next Steps - Following a baseline assessment and proposed interventions for identified CAZ, We are now in process of convening an in-person meeting with key stakeholders to secure buy-in, prioritise interventions, and finalise the roadmap for CAZ implementation. Request support of BBMP in convening the right stakeholders as we move towards finalising the roadmap.

Completed	<ul style="list-style-type: none"> • Develop a comprehensive methodology to guide the roadmap's formulation. • Establish a structured approach for identifying areas suitable for CAZ interventions. • Identify key stakeholders critical to the planning and implementation process. • Share the proposed approach and methodology to government stakeholders through a kick-off meeting. • Completed 1:1 consultations with identified stakeholder - BBMP - BCAC, BTP, DULT, KSPCB and BMRCL • Based on the consultations and feedback received, updated the methodology and approach for identifying the potential CAZ area. • Status quo and detailed assessment of the identified CAZ area
In-progress and Next Steps	<ul style="list-style-type: none"> • Second consultations with identified stakeholders as a part of a workshop to present them the proposed interventions for identified CAZ zone. • Develop and finalize the CAZ roadmap in close coordination with key government stakeholders. - August - September 2025

EV Charging Infrastructure Readiness for scaling Electric Freight

Cities act as the major trip generation and attraction nodes of freight transportation. These also serve as major commodities consumption and redistribution centers. With rapid urbanization, the demand for urban freight is expected to increase by 140% in India and e-commerce growth will be a key driver for this increase. Urban freight accounts for ~10% of India's freight related CO2 emissions. To address this challenge, the government introduced freight smart cities in 2021, aiming to enhance efficiency in logistics. However, decarbonizing heavy-duty and medium-duty freight vehicles is a complex endeavor, primarily due to factors like upfront costs, battery capacity, payload concerns and need for support infrastructure.

Under the [Laneshift Programme](#), C40 works with city governments, businesses, partners and financial institutions to overcome infrastructure and financing obstacles. The project provides technical assistance for cities to develop zero emission freight initiatives, demonstrates the readiness of electric truck technology with real-world demonstrations and pilot projects, and works with financial institutions to lay the foundations for further growth. With the rapid advancements in the electric medium and heavy duty vehicles, cities have an important role to play in supporting the shift towards electric freight transportation.

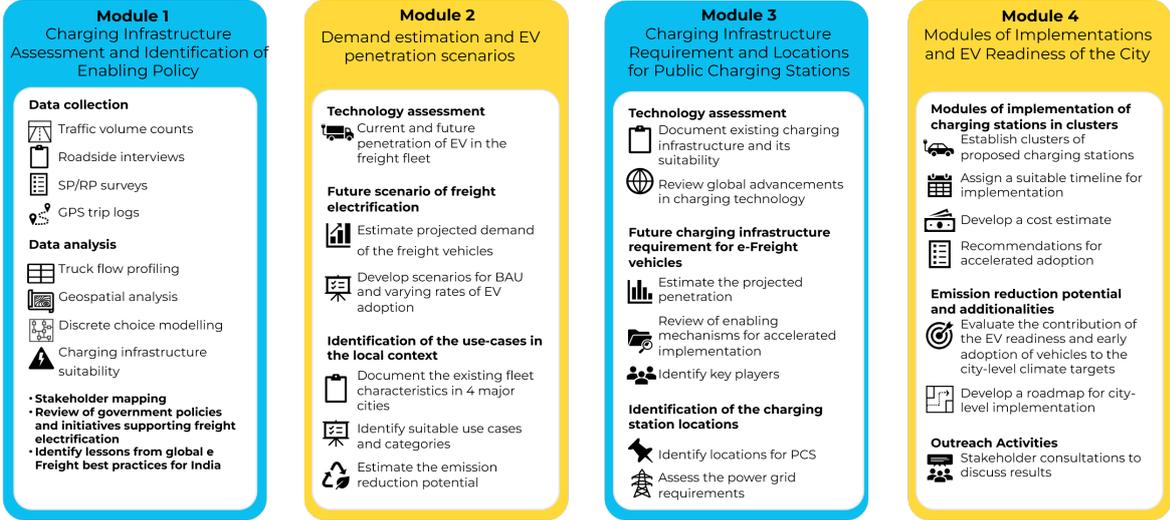
This transition requires a strong network of charging stations, updated city planning policies, and supportive regulations. This ongoing study focuses on understanding the future needs for electric freight vehicle charging infrastructure in four Indian cities - Delhi, Mumbai, Pune and Bangalore. It aims to assess the current freight ecosystem, estimate the demand for electric trucks, and identify where charging stations should be set up. It also plans to develop a city - level roadmap to promote EV Readiness and estimating potential reduced emissions from electrification of freight transport.

This project provides technical assistance with the objectives of:

- Studying the current freight ecosystem, policy landscape, and assessing the EV infrastructure
- Estimating the demand for freight and forecasting the electric freight penetration scenario in freight fleet
- Estimating the charging infrastructure required for freight electrification and identification of the feasible locations for its deployment
- Preparing an implementation plan for electric freight readiness, assess emission reduction potential, and provide policy recommendations.

The study adopts a structured module approach to assess the readiness of four major Indian cities - Delhi, Mumbai, Pune, and Bengaluru for the adoption of electric freight vehicles. The first module focuses on assessing the current freight movement and charging infrastructure in these cities through traffic surveys, roadside interviews, GPS data, and stakeholder consultations. It also examines international best practices to identify suitable policies and strategies. The second module projects future demand for freight vehicles and estimates the potential penetration of EVs by 2030 and 2040. This includes assessing available EV technologies, likely adoption scenarios. Together these modules create a data driven foundation to understand both the present situation and future opportunities for freight electrification.

Building on this the third module identifies the infrastructure needed to support EV adoption, including the type and number of charging stations, their best possible locations, and the impact on the power grid. The final module prepares a city - specific roadmap for implementing charging infrastructure. The approach emphasizes collaboration with stakeholders government agencies, logistics companies, OEMs, charging providers, and utilities to ensure that the recommended solutions are practical, scalable, and aligned with broader sustainability targets.



To achieve this C40 cities is engaged with various private and government stakeholders in these 4 cities. Specifically for Bangalore city, C40 in coordination with PwC have conducted consultations with Karnataka State Pollution Control Board (KSPCB), Bangalore Development Authority (BDA), Bruhat Bengaluru Mahanagar Palike (BBMP), BESCOM, Directorate of Urban Land Transport (DULT).

Stakeholders	Input / Feedback Received
KSPCB	- Recognizes EV freight's environmental and economic benefits but sees challenges in lack of scrapping policies, poor resale value

	<p>and unstable power supply.</p> <ul style="list-style-type: none"> - Suggests subsidies for heavy electric trucks, dedicated power lines for charging and stricter EV - only zones. - Views 45% carbon reduction target by 2030 as ambitious.
BDA	<ul style="list-style-type: none"> - Highlighted challenges in EV adoption due to limited charging infrastructure, long charging times and battery constraints. - Suggested placing charging hubs in outskirts, depots and parking zones to address city centre land limitations. - Recommended advanced fast - charging tech, dedicated power lines and subsidies for freight electrification.
BBMP	<ul style="list-style-type: none"> - Concern raised over competing land use and reliance on private electricity access. - Currently unable to dedicate sufficient spaces exclusively for e freight vehicles
DULT	<ul style="list-style-type: none"> - Notes absence of specific zoning for EV charging; land use remains uncategorized. - Recommends integrated planning by transferring responsibility from Transport Dept to Urban Land Transport - Absence of regulatory process / targets for urban charging networks.
BESCOM	<ul style="list-style-type: none"> - Karnataka leads EV adoption with 2500 plus charging stations and plans 3500 more, shifting from PPP to Capex Model - Identified challenges including land acquisition, station maintenance and approval delays. - Plans single window clearance portal to simplify approvals. - Grid availability and reliability not seen as barriers, but site selection near substations is crucial - Plans to provide subsidies electricity to CPOs with lower tariffs (Rs 4.5 / unit vs Rs 7.5 / unit for residential)
State Transport Dept	<ul style="list-style-type: none"> - Recommends prioritizing LCVs & MDVs (upto 12.5T) for EV adoption as they are key urban polluters. - Suggests focusing on truck terminals (Hospet, Yeshwanthpur) and engaging private players (e.g. Devraja Truck terminals pvt ltd). - Supports policies like revenue - sharing with landowners and coordinations with BBMP / BESCOM for implementation.

Along with this, C40 has also conducted a CPO level workshop to bring together key private stakeholders including CPOs and industry players to discuss how Indian cities can accelerate adoption of electric freight vehicles. The session focused on four cities: Delhi, Mumbai, Pune and Bangalore and aimed to identify priority locations for charging stations while also reviewing policy recommendations. Participants discussed real world challenges such as land availability, grid readiness, high upfront cost and regulatory delays while also highlighting opportunities like policy incentives, partnerships with logistics players. The discussion helped refine the study's location prioritizing framework, ensuring it was aligned with operational realities on the ground.



CPO workshop event in Delhi to gather feedback on identified locations (city wise)

For Bangalore in particular, the workshop highlighted the need to look beyond the city’s core, since heavy trucks face restrictions within urban limits and most freight activity happens around outer clusters. Key locations such as Nelamangala, Bommasandra / Hosur, Hoskote and Devanahalli were identified as priority locations for charging infrastructure. Participants also emphasized that planning must account for warehouse locations, grid capacity and service availability to ensure adoption at scale. Similarly, city specific insights emerged for Delhi (with Sanjay Gandhi Transport Nagar identified as the top site), Mumbai (with hubs like JNPT and MIDC prioritized), and Pune (with Balewadi suggested due to terrain challenges). The workshop reinforced that while challenges remain, targeted site planning, supportive policies and strong public - private collaboration can create a clear pathway for electrifying freight movement in India’s major cities.

Current Status / Next Steps - Following the workshop, we have initiated in person convenings with the State Transport Departments of Karnataka, (in progress - Delhi and Maharashtra), and are engaging with key DISCOMs including BESCO, Adani Electricity Mumbai Ltd, MSEDCL, MahaGENCO, BEST Electricity, BSES (in progress - Delhi), MSEB, and Tata Power to gather their insights on grid reliability and validate the identified priority locations for setting up charging infrastructure across the four cities. These insights and feedback will be incorporated into the final report.

Completed	- Identification of key stakeholders across four cities and completion of
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	<p>initial consultations.</p> <ul style="list-style-type: none"> - Primary survey conducted at cordon points in four cities including traffic volume counts, roadside interviews and surveys for truck activity data. - Data analysis completed on truck profiling, O - D and commodity flow. Vehicle projections and EV adoption scenarios finalized. - 54 priority locations identified across four cities for charging infrastructure based on truck activity and stoppage patterns. - Conducted in person CPO workshop to validate identified charging locations and gather policy recommendations. - In person convenings completed with Karnataka State Transport Department and key DISCOMs (BESCOM, Adani Electricity Mumbai Ltd, MSEDCL, MahaGENCO, BEST Electricity, MSEB, and Tata Power).
<p>In Progress & Next Steps</p>	<ul style="list-style-type: none"> - In person meeting with Delhi and Maharashtra Transport Departments and BSES (Delhi) - D4 - Report on implementation roadmap at city level (in progress - Draft expected by last week August) - Webinar (tentatively planning for 2nd week September, 2024)

4. Waste Management

Inclusive Climate Action (ICA) in Solid Waste Management Practises

In 2022, Bengaluru became the first city in South and West Asia to join **C40's Inclusive Climate Action (ICA) programme** and ever since, has played a critical role in demonstrating that **participatory approaches can deliver strengthened, inclusive, and sustainable waste management practices while addressing the climate action needs in the city**. The programme began before the BCAP was published but has been identified as a priority by the city through the BCAP and the Action Prioritisation exercise.

Engaging waste workers in Bengaluru's climate governance: Bengaluru, through the ICA implementation programme, is building inclusive institutional mechanisms for waste management by engaging with a diverse group of stakeholders, ensuring consideration of formal and informal waste sector workers in the city's climate governance. From June- September 2023 the city undertook a baseline assessment to identify and map all stakeholders in the waste value chain of bulk waste generators (BWG) and a detailed analysis of their vulnerabilities, powers and interests. **This analysis helped create engagement plans for each stakeholder group in climate action dialogues.**

Based on the findings from the [baseline assessment report](#), in early 2024, a second phase of the project focused on the design, development, and implementation of targeted **engagement, upskilling, and training of frontline workers, including city officials** (Junior Health Inspectors), contractors, and waste workers. Over 85 people from these stakeholder groups attended the training sessions conducted in May and June 2024 by local knowledge partner Saahas NGO.



Stakeholder consultation with Junior Health Inspectors in Bommanahalli Zone, August 2023



Training for bulk waste collection staff and contractors, April 2024

National workshop on Participatory Practices for Inclusive Climate Action in Cities

Bengaluru's leadership in integrating frontline waste workers into the city's climate resilience efforts was the springboard for the ICA workshop in India. On July 15th and 16th, 2024, C40 Cities and the BBMP co-hosted a first-of-its-kind national workshop aimed to strengthen Indian city officials' knowledge and skills on Inclusive Climate Action (ICA). By sharing practical, replicable solutions based on Bangalore's pilot experience, the workshop empowered officials to formulate sustainable climate strategies that consider diverse communities and stakeholders, ultimately improving the effectiveness of climate solutions.

The workshop saw over 100 participants - 82 participants representing over 55 organisations in Bengaluru and 31 city delegates from a variety of departments such as Waste, Climate Change Action and Health, and representing 15 cities across 5 states.

The workshop kicked off with an opening ceremony at Vikasa Soudha featuring panel discussions with city officials, experts, and local stakeholders. The following day and a half focused on capacity-building workshops for city officials, showcasing best practices and knowledge exchange on ICA. Participants also engaged in field visits to BBMP-led projects to implement in-situ waste management solutions, material recovery and recycling centres, demonstrating inclusive, participatory approaches to waste management, recycling, and innovative finance mechanisms.



Inclusive Climate Action workshop held at Vikas Soudha, Bengaluru in July 2024

"I had basic knowledge about Inclusive Climate Action, but the workshop has been a learning experience, especially interacting with other city officials from different domains. We currently have a climate budget component, which will be implemented in the coming year's budget, and I have benefited positively from this experience. This was an excellent experience; I felt like a student again!"

- **Pravin Jain**, Chief Accounts & Finance Officer, Pimpri Chinchwad Municipal Corporation

Stakeholder inputs: Government of Karnataka



(Left) Stocktaking meeting with Mr Rakesh Singh, Former ACS UDD, Government of Karnataka Government of Karnataka, 27/05/2024 (Right) Stocktaking meeting with Mr Umashankar, Additional Chief Secretary, Urban Development Department, 21/06/2024

In 2025, training and pilot, expanded across five zones, with over **530 frontline workers (289 men and 245 women) trained, reaching 8.5 million residents**. To address gaps in implementation, monitoring, and coordination across the bulk waste system, the training focused on:

- Climate change impacts
- Solid waste management practices
- The BCAP and BBMP by-laws

Hands-on modules helped build technical knowledge and align efforts with broader climate and waste goals.

Social Dialogue: Embedding participation in governance through social dialogue

From March to June 2025, the city ran a structured Social Dialogue process with 75 frontline workers. This included Marshals, Link Workers, and informal waste workers, who took part in listening sessions and zonal focus group discussions. These conversations surfaced ground-level challenges and helped co-create solutions to improve working conditions, service delivery, and resilience. On 4 July 2025, the final city-level Social Dialogue brought together frontline groups with BBMP and BSWML leadership. It strengthened participatory governance by giving workers a platform to present solutions and shape reform efforts. Those most exposed to climate risks shared lived realities and co-developed actions for safer, more equitable work conditions.

Leadership commitments for action: The Dialogue ended with firm commitments from BBMP and BSWML leadership, led by Mr. Tushar Giri Nath, I.A.S., ACS, UDD, Government of Karnataka, and Chairman of Bengaluru Solid Waste Management Limited.



Social Dialogue

“Effective, sustainable solid waste management requires seamless collaboration among our frontline teams. This capacity-building process enabled Marshals, Junior Health Inspectors, and Link Workers to share field experiences and jointly refine strategies for decentralized waste systems”.

- **Snehal Rayamane, I.A.S.**, Zonal Commissioner (West), BBMP

These agreements include:

- Monthly meetings with frontline workers and zonal managers to promote open dialogue and joint problem-solving.
- Regular health camps for early detection and ongoing healthcare.
- Training and upskilling to build capacity, resilience, and performance.
- Safety gear for workers exposed to climate risks.
- Dedicated operational spaces for Marshals and Link Workers in zonal and ward offices.
- Transition of Link Workers to BSWML as awareness personnel under Swachh Bharat Mission.
- Support for informal workers through ID renewals, entrepreneurship initiatives, and capacity building.

These commitments align with five key actions under the Bengaluru Climate Action and Resilience Plan (BCAP), focused on reducing landfill waste and addressing other priority issues.

Completed	<ul style="list-style-type: none"> • Baseline assessment to understand the existing participatory approaches in Bengaluru solid waste management system • Training and capacity building resources, monitoring and evaluation framework, Facilitator’s Guide • Training Bommanahalli SWM frontline workers and senior city officials (85+) • Scale-up training across five zones, with over 530 frontline workers trained • Zonal-level discussions and social dialogue between frontline workers and city leadership resulting in co-creating solutions and commitments to improve working conditions, service delivery, and resilience in the waste sector
In-progress and Next Steps	<ul style="list-style-type: none"> • City to take next steps towards the commitments made towards improving worker well-being

Addressing Waste Blackspots: Transforming Cities Waste Management Programme

Despite several ongoing efforts by the Bruhat Bengaluru Mahanagara Palike (BBMP) and its dedicated solid waste management agency, Bengaluru Solid Waste Management Limited (BSWML), approximately **85% of the city’s 225 wards** report recurring waste blackspots—areas where uncollected or mismanaged waste accumulates persistently. These blackspots are symptomatic of deeper systemic issues in waste collection, segregation, and processing. Current interventions—such as ward-level monitoring, waste removal drives, and geo-tagging—have yielded only **marginal and short-term improvements**.

Programme Overview:

Under the **C40 Cities “Transforming Cities Waste Management” programme**, supported by the **Global Methane Hub (GMH)**, Bengaluru is receiving **light-touch support** aimed at strengthening the city’s existing capacity, with a focus on sustainable elimination of waste blackspots. This effort is part of a larger initiative engaging Indian and African cities to implement the **Pathway Towards Zero Waste**, with an emphasis on reducing methane emissions from the waste sector.

Project Objectives:

1. **Empower evidence-based decision-making** through improved data systems and strategic planning.
2. **Improve operational efficiency** in waste collection and monitoring at the ward and zone levels.
3. **Reduce methane emissions** by diverting organic and food waste from disposal and enhancing treatment infrastructure.
4. **Eliminate waste blackspots** in a **selected ward or zone**, creating a replicable and scalable model for the rest of the city.

5. Climate Resilience

Accelerating Inclusive Heat and Health Action in Bengaluru

Bengaluru, known for its moderate climate, is experiencing unprecedented temperatures during the summers. In April 2024, temperatures touched close to 40 °C making it the hottest summer since 2016 with the Indian Meteorological Department (IMD) announcing a heatwave alert for the city. This trend is expected to continue and worsen with Bengaluru's Climate Action Plan (CAP) predicting a minimum 12% rise in temperatures by 2050.

Understanding heat as both an environmental and public health risk, coupled with potential productivity losses and increased strain on urban infrastructure and services, point to a need for immediate and sustained action. This project builds on the C40 workstream '[Water, Heat and Nature](#)' which includes city commitments and peer networks like the Cool Cities Network. **The goal of this initiative is to prepare Bengaluru to effectively respond to heat incidents by Summer 2026.**

Roundtable on Heat Impacts in Bengaluru: To initiate this project, a roundtable chaired by Ms. Preeti Gehlot, Special Commissioner, BBMP was organized by the Bangalore Climate Action Cell (BCAC), BBMP, and C40 Cities on March 27, 2025. This roundtable brought together 25 diverse stakeholders working on urban heat in the city including researchers, urban practitioners, civil society organizations, and government agencies to share knowledge, build partnerships, and chart a collaborative and united pathway forward.



Heat Impacts in Bengaluru Roundtable chaired by Ms. Preeti Gehlot, Special Commissioner, BBMP, on March 27, 2025

Following this, a formal **kick-off meeting**, chaired by Mr. Vikas Kishor Suralkar, Special Commissioner, BBMP Health, with participation from BBMP Town Planning and the BBMP Climate Action Cell was convened on June 18, 2025. The objective of the meeting was to initiate coordinated action on heat resilience, with a focus on Heat-Health, and to align on key support requirements for the next steps. A baseline report to identify heat vulnerable areas with potential high impact actions that can be undertaken to respond/mitigate heat is currently under preparation.



C40 Cities with the BBMP team during the meeting chaired by Mr. Suralkar Vikas Kishor, Special Commissioner (Health), and attended by Dr. Maheshwari, Medical Officer and project point of contact.

Urban Heat Risk Project (AI-based heat management): A partnership between C40 - GCoM - GEO - IBM, and cities in India and Brazil, this project aims to co-create a globally scalable, AI-powered tool to assess heat risks and vulnerabilities, and help decision-makers understand actions to take to strengthen resilience and protect communities. Bengaluru is a high-engagement city under this project, which is in the 'minimum-viable-product' (MVP) development stage and BBMP Climate Action Cell along with KSNDMC join calls every 2 weeks with the tool development team to provide insights into the tool.

<p>Completed</p>	<ul style="list-style-type: none"> ● Development of work plan ● Inception Roundtable - 27 March 2025 ● Need & Vulnerability Assessment Methodology ● Kick-Off meeting: Inclusive Heat and Health Action- 18 June 2025 ● State & City level stakeholder mapping & meeting ● Review of existing heat-related work at National & Sub-National level ● Kick-off call: AI-based heat management - June 2025
<p>In-progress and Next Steps</p>	<ul style="list-style-type: none"> ● Baseline Assessment Study ● Health Data collection ● Roundtable workshop proposed in Sept 8th week to present the baseline findings ● Co-creation of MVP with other cities, IBM and partners

Inclusive and Resilient Urban Nature Project

A partnership between C40 Cities, Mars Petcare and 5 cities around the world (including Bengaluru), this project provides a cohort of cities dedicated technical assistance aimed at enhancing urban nature in ways that benefit people, climate resilience, and pets. The goal is that by 2030, C40 and Mars support 10 million people & pets to access inclusive green spaces that promote biodiversity, enhance resilience to climate risks, and improve overall well being. Specifically, we are working with BBMP towards climate resilient and inclusive parks, for people and for pets and the scope of the support is currently being tailored to local needs and opportunities. It can cover Design & Feasibility Studies, Support for Local Partners and Pet-Friendly Enhancements into existing urban nature spaces.

6. Annexures

Annexure 1: Previous C40 engagements with Bengaluru

Mainstreaming Climate Action in Cities - Conference

April 2023

On 21 April 2023, C40, in collaboration with the Ministry of Housing and Urban Affairs (MoHUA), Government of India, and support of the various partner organisations (including Bengaluru Smart City, NIUA, ICLEI, Janaagraha, Omidyar Network India, WRI and The Nature Conservancy), curated a one-day [Conference on Mainstreaming Climate Action in Cities](#). This conference was part of the Urban 20 (U20) cycle of 2023, which is a city-led initiative and official engagement group of the G20, enabling exchanges between cities from G20 countries annually. As permanent co-convenors of the U20, C40 organised this event with the aim of building awareness and understanding amongst city and other government stakeholders of the importance of climate financing, water security, urban resilience, and environmentally responsive behaviour. The event saw 100+ participants, including city governments, partner organisations and more. Masterclasses were held for city participants on Nature Based Solutions and Climate Finance.



Workshop sessions from Conference on Mainstreaming Climate Action in Indian Cities in B'luru on 21 April 2023



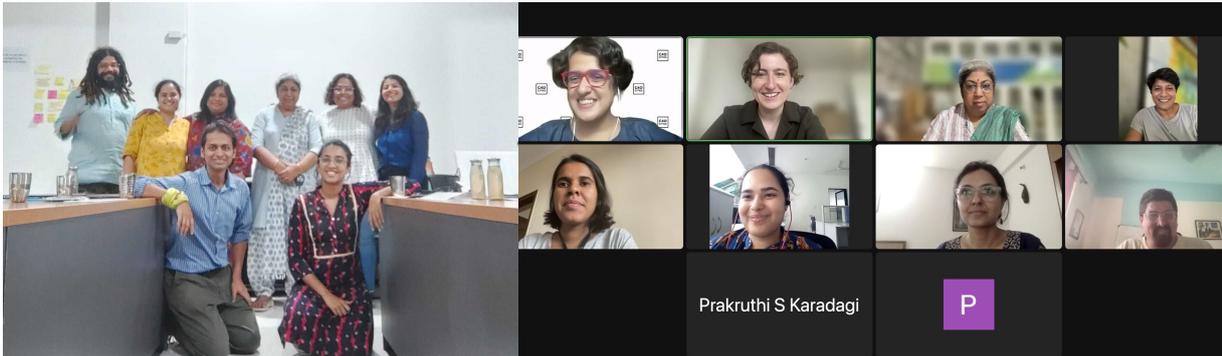
Panels from the Conference on Mainstreaming Climate Action in Indian Cities in B'luru on 21 Apr 2023

Women4Climate Bengaluru

August 2022 - October 2023

[Women4Climate](#) (W4C) was a joint initiative of C40 Cities and the [L'Oréal Foundation](#) in which women from C40 cities develop and implement actions inspired by the "think local, act global" philosophy. This city-led ten-month mentorship programme engaged with resident women to accelerate women-led local climate projects and solutions that contribute to the city climate priorities and action plans. Bengaluru launched the

Women4Climate mentorship programme on 5th August 2022 in a meeting chaired by Ms Manjula Vinjamuri, Commissioner, Directorate of Urban and Land Transport. 12 mentees participated in the programme, with several online events and in-person workshops conducted to support their projects.



In-person and online workshops as part of W4C Bengaluru

Annexure 2: Summary of Stakeholder Engagements

I. Prioritisation Exercise of Bengaluru CAP Actions

Date	Stakeholder	Summary of engagement
06-03-24	Climate Cell Meeting at BBMP War Room attended by BBMP, BWSSB, BDA, BESCOM, BMRCL, Traffic Police, Forest Dept, DULT, Industries and Commerce	Introduction of the Prioritization Exercise and providing templates to the Departments to fill in information with respect to progress
14-03-24	Directorate of Urban Land Transport	Discussion on Action Selection and Action Prioritisation Tool ASAP tool and take stock and update on list of actions
14-03-24	Bangalore Metro Rail Corporation Limited	Discussion on Action Selection and Action Prioritisation Tool ASAP tool and take stock and update on list of actions
14-03-24	Bengaluru Solid Waste Management Limited	Discussion on Action Selection and Action Prioritisation Tool ASAP tool and take stock and update on list of actions
20-03-24	Bangalore Electricity Supply Company Limited	Discussion on Action Selection and Action Prioritisation Tool ASAP tool and take stock and update on list of actions
20-03-24	Karnataka Solar Power Development Corporation Limited	Discussion on Action Selection and Action Prioritisation Tool ASAP tool and take stock and update on list of actions
21-03-24	Town Planning, BBMP	Discussion on Action Selection and Action Prioritisation Tool ASAP tool and take stock and update on list of actions
30-03-24	Bengaluru Traffic Police	Discussion on Action Selection and Action Prioritisation Tool ASAP tool and take stock and update on list of actions
16-04-24	Bengaluru Metropolitan Transport Corporation	Discussion on Action Selection and Action Prioritisation Tool ASAP tool and take stock and update on list of actions
24-04-24	Karnataka Renewable Energy Development Ltd.	Discussion on Action Selection and Action Prioritisation Tool ASAP tool and take stock and update on list of actions

06-05-24	KSPCB	Discussion on Action Selection and Action Prioritisation Tool ASAP tool and take stock and update on list of actions
15-05-24	Engagement with Transport, Urban Planning and Air Quality Management Stakeholders (BBMP, BDA, BMRCL, BMTCL, DULT, DoT, Traffic Police, KSPCB, CPCB)	Discussion on Action Selection and Action Prioritisation Tool ASAP tool and take stock and update on list of actions
30-05-24	Climate Cell Meeting at BBMP attended by BBMP, BWSSB, BDA, BESCOM, BMRCL, Traffic Police, Forest Dept, DULT, Industries and Commerce	Final prioritisation exercise with all stakeholders carried out to arrive on the shortlisted actions through an interactive game based workshop

II. Solar Energy Transition Roadmap of Municipal Buildings in Bengaluru

Date	Stakeholders	Summary of engagement
24-07-24	BBMP (CAC), BESCOM, KREDL	Inception meeting with CSTEP, C40, BCAC, BESCOM, KREDL: to provide project overview and initiate data collection phase
26-08-24	BBMP (CAC), BESCOM, KREDL	CSTEP presented the tool they had developed that has been modified to show solar capacity for BBMP buildings
16-12-24	BBMP (CAC), Zonal Deputy Controllers Finance (DCF)	Meeting convened to inform Zonal DCFs on the project, and the information needed from them to close data gaps in the project
24-12-24	BESCOM	Stakeholder discussion to understand enablers and challenges to RTPV adoption in public buildings of Bengaluru
30-12-24	KERC	Stakeholder discussion to understand enablers and challenges to RTPV adoption in public buildings of Bengaluru
04-03-25	BBMP (CAC), KREDL	CSTEP and C40 provide project updates to BBMP and KREDL on moving project to implementation phase
19-06-25	BBMP (CAC), KREDL, BESCOM	CSTEP and C40 share findings of Technical Assessment, validating findings and finalising next steps for Deliverable B

III. Roadmap towards Implementation of Clean Air Zones (CAZ)

Date	Stakeholder	Summary of engagement
15-05-2024	BMRCL, BBMP KSPCB, CPCB, Horticulture Department, DULT, BBMP Lakes, KRIDE, BMRCL (SEMU), Transport Department, BTP, BMTC	ZEA Consultative Stakeholder Workshop to introduce the concept of ZEAs, assess ongoing and proposed initiatives that align with ZEA principles, and develop a collaborative pathway for ZEA implementation in the city.
20-10-2024	DULT	C40 Cities shared the CAZ methodology and delineation approach for feedback and inputs.
12-02-2025	BMRCL, BBMP DULT, BMRCL, BTP	Kick-off meeting key stakeholders to gather feedback on the CAZ roadmap development methodology and proposed approach for delineation of CAZ.

IV. Bengaluru's GHG Inventory Updation

Date	Stakeholder	Summary of engagement
07-10-2024	BBMP (CAC), Dept of Transport, BMTC, DULT, KSPCB	Project kick-off meeting
08-11-2024	BBMP (CAC), BESCOM, KREDL, BSMWL, BMRCL, BMTC, DULT	The meeting highlighted the importance of regular inventory updates to track emissions and measure climate action impacts, demonstrating the practical use of GHG data in departmental activities.
June/ July 2025		
25-08-2025		

V. Inclusive Climate Action Pilot (Waste)

Date	Stakeholder	Summary of engagement
29-11-2023	Zonal officials <ul style="list-style-type: none"> ■ Zonal Commissioner (ZC), Mrs. Ramya ■ Superintendent Engineer (SE) Mr Mahadesh ■ Assistant Executive Engineer (AEE), Ms Nethra 	The findings from the baseline assessment were presented, followed by the plan for Phase 2 of the C40 pilot project. Officials gave the go-ahead for the scope of work for the next phase.
09-01-2024	Zonal officials	

	<ul style="list-style-type: none"> Zonal Commissioner (ZC), Mrs. Ramya 	<p>ZC was given a print copy of the draft training modules list to review the scope of the training that was planned.</p> <p>Each module and its outcomes were discussed and the list of modules was approved by the ZC.</p>
24-01-2024	<p>Zonal officials</p> <ul style="list-style-type: none"> Zonal Commissioner (ZC), Mrs. Ramya Superintendent Engineer (SE) Mr Mahadesh Assistant Executive Engineer (AEE), Ms Nethra 	<p>Work plan and overview of training and capacity-building modules</p>
09-02-2024	<p>Senior city officials</p> <ul style="list-style-type: none"> Chief General Manager, BSWML, Mr Basavraj Kabade 	<p>The work plan, training modules list and two sample training modules were discussed briefly. The CGM requested time to review the sample training modules and revert with any feedback he might have.</p>
12-02-2024	<p>Senior city officials</p> <ul style="list-style-type: none"> Joint Commissioner SWM, Ms Pratibha 	<p>The JC reviewed the work plan and training modules list. She also reviewed the sample modules closely, asked several questions and was appreciative of the group work and activity-based module design.</p> <p>She signed off on the list of training modules and stated that these modules will be highly beneficial for the capacity building of Junior Health Inspectors (JHIs), as well as other stakeholder groups.</p>
07-03-2024	<p>Zonal officials</p> <ul style="list-style-type: none"> Superintendent Engineer (SE) Mr Mahadesh Assistant Executive Engineer (AEE), Ms Nethra 	<p>Some of the training modules were reviewed and the officials were appreciative of the content and activity and application-based nature of the modules.</p> <p>A consultation on the inclusive monitoring and evaluation framework was carried out; both officials provided inputs on existing reporting and monitoring systems for SWM, past attempts at monitoring BWGs, current efforts, challenges and gaps.</p>
27-03-2024	<p>Zonal officials</p> <ul style="list-style-type: none"> Zonal Commissioner (ZC), Mrs. Ramya 	<p>Review of training resources, facilitator's guile, M&E framework</p>

27-03-2024	City official <ul style="list-style-type: none"> ■ Technical Assistant to the CGM, BSWML, Mrs Chitra Jayaram 	Review of training resources, facilitator's guile, M&E framework
02-04-2024	Senior city officials <ul style="list-style-type: none"> ■ Chief General Manager, BSWML, Mr Basavraj Kabade ■ Technical Assistant to the CGM, BSWML, Mrs Chitra Jayaram ■ Assistant General Manager, BSWML, Mr. Santhosh 	Provided detailed inputs of what systems are likely to work, what are challenging to set in place, possible roadblocks, etc.
04-04-2024	City officials <ul style="list-style-type: none"> ■ Technical Assistant to the CGM, BSWML, Mrs Chitra Jayaram ■ Assistant General Manager, BSWML, Mr. Santhosh 	Review of training resources, facilitator's guile, M&E framework
08-04-2024	Ward contractor <ul style="list-style-type: none"> ■ Mr. Roopesh Kumar 	<p>Discussion on relevant training modules for the workshop for BWG contractors and workshop for waste collection staff.</p> <p>Questions on worker welfare provisions that were listed in Module 2 and expressed interest in distributing a safety kit to his workers.</p>
12-04-2024	Multi-stakeholder	<p>Updates on the training sessions were shared with the Special Commissioner (FECCM), BBMP, Govt of Karnataka and other stakeholders attending the BCAP meeting. She directed the CGM, BSWML to issue a letter on the same.</p> <p>The CGM, BSWML agreed to issue a letter directing zonal officials to help conduct the workshops and issue letters to authorised BWG contractors, directing them to attend the workshop for contractors.</p>
15-04-2024	Senior city officials <ul style="list-style-type: none"> ■ Chief General Manager, BSWML, Mr Basavraj Kabade ■ Technical Assistant to the CGM, BSWML, Mrs Chitra Jayaram 	<p>Submission of a request letter from Saahas.</p> <p>BSWML issued a formal letter to the Bommanahalli zonal office, requesting their support for the upcoming training sessions, with specifications of where zonal officials' involvement is required. The letter that was issued is uploaded here.</p>
16-04-2024	Zonal officials <ul style="list-style-type: none"> ■ Assistant Executive Engineer (AEE), Ms Nethra 	The AEE reviewed each of the 8 final training modules in detail.

		She approved all the training modules and gave us a go-ahead to conduct the training sessions.
02-05-2024	Zonal officials <ul style="list-style-type: none"> ■ Superintendent Engineer (SE) Mr Mahadesh 	<p>The SE confirmed the dates for the BWG contractor workshop and the combined RWA workshop.</p> <p>Additionally, he suggested we have the senior BBMP officials workshop on the same day as the JHI workshop.</p>
04-05-2024	Senior city officials <ul style="list-style-type: none"> ■ Chief General Manager, BSWML, Mr Basavraj Kabade ■ Technical Assistant to the CGM, BSWML, Mrs Chitra Jayaram 	<p>Submission of a request letter from Saahas.</p> <p>BSWML issued a formal letter to BWG contractors, directing them to attend the training session for BWG contracts of Bommanahalli zone. The letter that was issued is uploaded here.</p>
07-05-2024	City officials <ul style="list-style-type: none"> ■ Chief Commissioner, BBMP, Mr Tushar Girinath 	Updates on the upcoming training sessions and the M&E framework were shared.
15-05-2024	Junior health inspectors (JHIs) (training)	<ul style="list-style-type: none"> ■ Improved skills on reading and comprehending the bye-laws, through the use of the pocketbook on bye-laws applicable to BWGs, that was distributed. ■ In-depth comprehension of Solid Waste Management Rules, 2016 and BBMP SWM bye-laws. ■ Enhanced ability to enforce bye-laws, through engagement with case studies and practical situations. ■ Discussion on aspects of the bye-laws that need more clarity, in order to ensure effective implementation.
16-05-2024	Zonal officials <ul style="list-style-type: none"> ■ Assistant Executive Engineer (AEE), Ms Nethra 	<ul style="list-style-type: none"> ■ Confirmation of the workshop for BWG contractors was given. ■ We requested confirmation from BSWML and zonal officials, on whether BWG contractors have been informed of their need to participate in the training session.
17-05-2024	BWG contractors (training)	<ul style="list-style-type: none"> ■ Distribution of the pocketbook on bye-laws applicable to BWGs. ■ Enhanced understanding of BWG mapping, GPS tools for mapping, benefits of BWG mapping, etc.

		<ul style="list-style-type: none"> ■ Increased knowledge on waste worker health and occupational safety under the Bruhat Bengaluru Mahanagara Palike Solid Waste Management (BBMP-SWM Bye-laws, 2019). ■ Improved capacities on inclusion and equity for a just transition in the waste management sector.
20-05-2024	BWG waste collection staff (training)	<ul style="list-style-type: none"> ■ Awareness of central government schemes for worker welfare. ■ Awareness of worker welfare provisions in the BBMP SWM Bye-laws, 2019. ■ Awareness of components of safety kit and first aid kit; importance and usage of each of the items.
22-05-2024	Zonal officials	<ul style="list-style-type: none"> ■ Follow-up meeting to discuss issuance of letters to RWAs and facility managers.
24-05-2024	Zonal officials	<ul style="list-style-type: none"> ■ Follow-up meeting to discuss issuance of letters to RWAs and facility managers.
27-05-2024	Senior city officials <ul style="list-style-type: none"> ■ Additional Chief Secretary, Urban Development Department (ACS,UDD), Mr Rakesh Singh IAS 	<ul style="list-style-type: none"> ■ Presentation on the work done so far under the ICA pilot implementation project. ■ Discussion on existing gaps and challenges, next steps in the pilot implementation project.
28-05-2024	BBMP senior officials (training)	<ul style="list-style-type: none"> ■ Improved understanding of solid waste management in the context of sustainability and climate action. ■ Enhanced understanding of BWG mapping, GPS tools for mapping, benefits of BWG mapping, etc. ■ Increased knowledge on waste worker health and occupational safety under the Bruhat Bengaluru Mahanagara Palike Solid Waste Management (BBMP-SWM Bye-laws, 2019). ■ Improved capacities on inclusion and equity for a just transition in the waste management sector.

VI. Heat

A series of stakeholder consultations have progressed as follows,

Date	Stakeholder	Summary of engagement
08-04-25	Ms. Preeti Gehlot IAS, Special Commissioner, BBMP	Based on the heat roundtable outcomes, Ms. Gehlot recommended focusing on Urban Heat Island (UHI) mitigation, specifically through blue-green infrastructure and spatial planning. She advised the team to collaborate with BBMP's Health and Disaster Management verticals for future heat-health and response interventions, and expressed support for initiatives within her jurisdiction.
16-04-25	Mr. Vikas Suralkar Kishor IAS, Special Commissioner - Health, BBMP	The project was introduced to receive feedback and support. Mr Vikas noted Bengaluru's reactive approach to heat and identified key gaps in data assessment, public engagement, and the use of heat-trapping materials. As next steps, he suggested focusing on community outreach, developing building and neighborhood-level mitigation strategies, and establishing measurable indicators for project success.
24-04-25	Ms. Honnamba IAS, Commissioner, KSDMA & KSNDMC and Mr. Basavareddy, KSDMA	Introduction to the project and state-level support and recommendations required. Ms. Honnamba advised engaging with the State Health Department and Bengaluru district officials and recommended a site visit to KSNDMC. Key suggestions for the project included developing guidelines for heat-resilient buildings, using Miyawaki urban forestry models, and focusing on sustainable mobility and improved waste management.
16-04-25	Mr. Vikas Suralkar Kishor IAS, Special Commissioner - Health, BBMP	Discussion on work plan and data collection. Mr Vikas acknowledged C40's work plan, and nominated Dr. Maheshwari, as the nodal officer, for day-to-day project activities. Insights on data availability and collection were discussed.

29-08-25	Ms. Preeti Gehlot IAS, Special Commissioner - FECC, BBMP	Presentation of the Baseline study and High Impact Action identification. Ms. Preeti acknowledged the work and was in alignment with the findings of the baseline study. She further suggested the same be presented to the Climate Fellows of the Climate Action Cell, BBMP.
02-09-25	Climate Fellows, Climate Action Cell, BBMP	Presentation of the Baseline study and High Impact Action identification. The climate fellows mentioned that alignment can be made with the ongoing ward level climate action planning work.

VII. Women4Climate (W4C) Bengaluru

Date	Stakeholder	Summary of engagement
05/08/2022	W4C cohort (12 mentor-mentee pairs), BBMP C40 Nodal Officer	Women4Climate online program launch
15/06/2023	W4C mentees	In-person training at BWML office
04/10/2023	W4C cohort	Closing on the program (online)