

Localizing Plastic Action through Communities (L-PAC)

Achieving Plastic Circularity through Youth, Children
and Communities as Agents of Change

Project supported by Umicore Autocat India Pvt. Ltd.

ANNUAL REPORT
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OUR AIM

Aims and Objectives

To demonstrate **inclusive model/s for circular economy in plastic/dry waste management** with **emphasis on awareness on source segregation and awareness on air pollution** due to illegal burning of waste, with active participation of **youth and children from school /college students and community groups as agents of change** through mobilization of the local NGOs/ waste pickers / local recyclers/ startups in partnership with local bodies and relevant government line departments.

- To assess the **current status of solid waste management value chain** including the wastes market with focus on dry waste and plastic waste management in the selected local bodies of Pune and Satara districts of Maharashtra.
- To **advocate and sensitize the key stakeholders on circularity in plastic waste management and environmental impacts** including air pollution due to its mismanagement with involvement of young people and children in schools and colleges as agents of change.
- To build the capacities, **strengthen the roles and formally engage waste- pickers, sanitation workers, facility operators, youths, school students / teachers and local NGOs etc. in waste management value chain** for effective plastic waste management.
- To **demonstrate a comprehensive approach and self-sustaining model for circular economy** in the plastic waste management value chain at city level
- To **support government through upstream advocacy, and evidence creation** through documentation, and dissemination of the intervention.

OBJECTIVES

Intervention locations

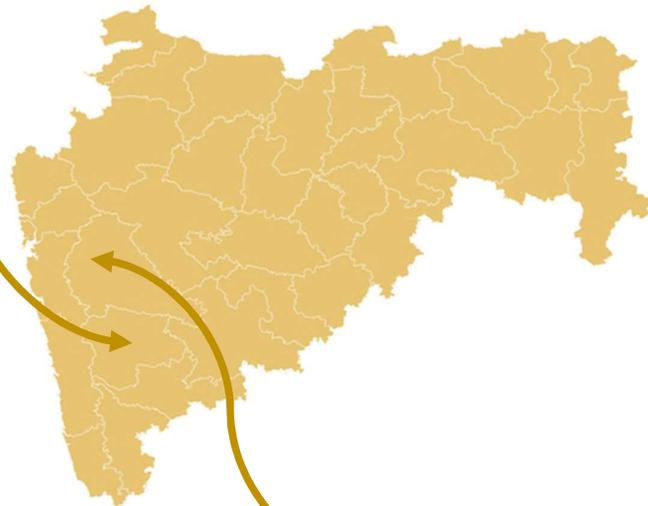


SATARA MUNICIPAL COUNCIL

- Area: **26.55 Sq. Km**
- Number of wards: **25**
- Population:
Current(estimated)- **2,31,885**
As per Census 2011 – **185680**
- Households: **51920**

City of historical background. Gets its name by the seven forts (Sat - Tara) around the city.

- Number of notified Slums: **27**



- Area: **181 Sq. Km**
- Zones - **8**
- Number of wards: **32**
- Population: Current (estimated)-
35,34,382
- As per Census 2011 – **17,65,539**

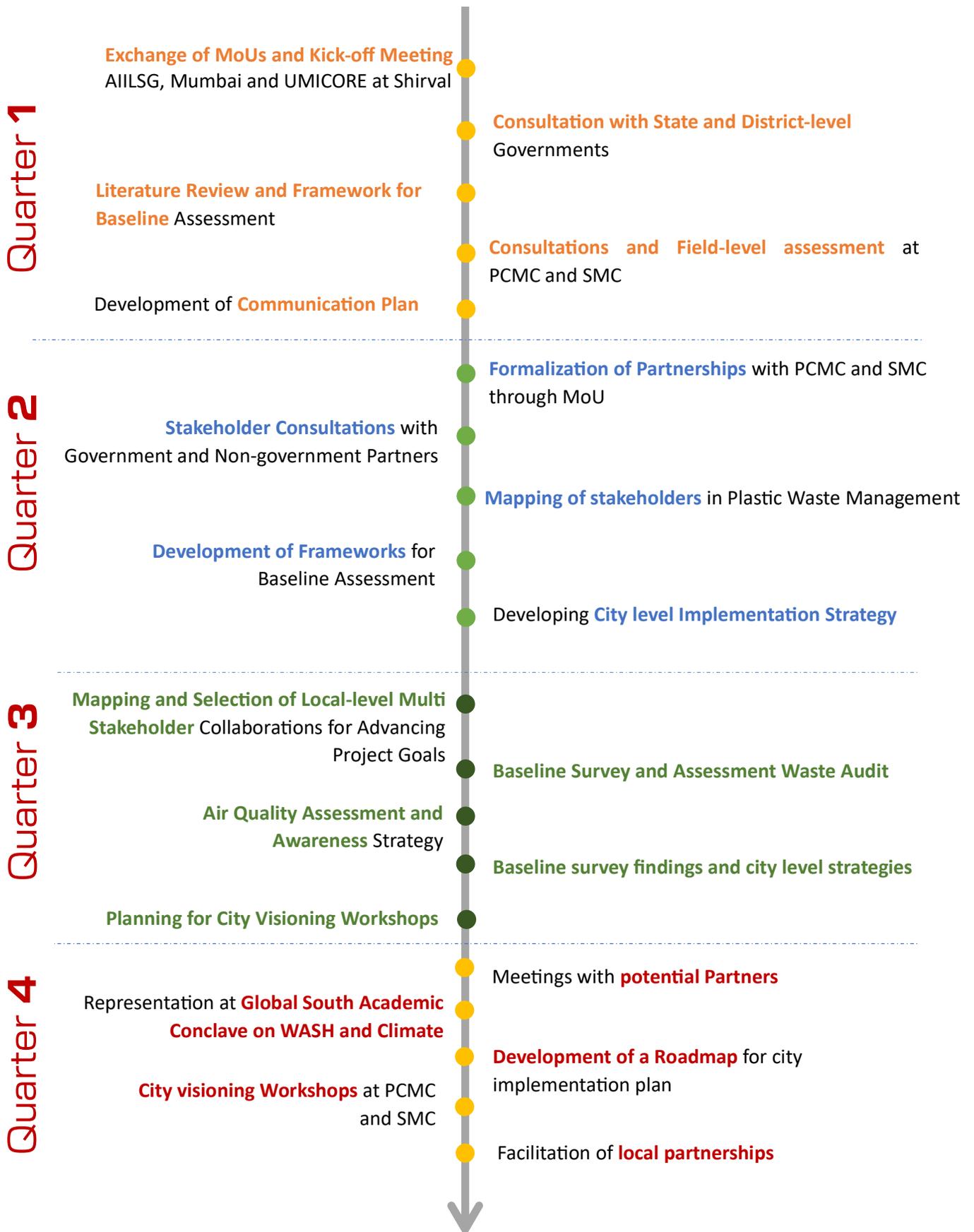
Fifth most populated city in Maharashtra & a prominent industrial hub.

- Number of notified Slums: **71**

PIMPRI CHINCHWAD MUNICIPAL CORPORATION



Key Achievements *in Year 1*



Key Partnerships

CSR Partners



Exchange of MoU between RCUES of AILSG, Mumbai and Umicore Autocat India Pvt. Ltd for implementing the initiative – LPAC - Localizing **Plastic Action through Communities (LPAC) Achieving Circularity through Youth, Children and Communities as Agents of Change**, Contributing to Reduction in Air Pollution in **two selected cities of Pune District**.

ULB - Pimpri Chinchwad Municipal Corporation (PCMC)

Official initiation of the collaboration with PCMC through the **formal exchange of an MoU**, marking the beginning of partnerships with local stakeholders. Setting the foundation for localized actions to achieve project goals by outlining the project's aims, objectives, key interventions by AILSG, Mumbai, and the required support from PCMC.



ULB – Satara Municipal Council (SMC)



Formal collaboration with SMC through the official exchange of an MoU, establishing partnerships for targeted on-ground actions via inter-departmental convergence, **pilot demonstrations of sustainable solutions**, and strengthening local partnerships to achieve project goals. The MoU outlines the project's objectives, key interventions by AILSG, Mumbai, and the support required from SMC to drive impactful and scalable initiatives

Mapping of stakeholders

Mapping and Identifying NGO's, startups, private organisations etc. working in the Plastic Waste Management sector

Organizations in and around PCMC and SMC were mapped to understand their roles in the PWM sector. From this mapping, relevant organizations were identified for further exploration. This process included assessing their ongoing work, conducting meetings and consultations, visiting their facilities, and evaluating their willingness and potential contributions to the initiative.

More than **30+** organisations mapped

Visits, meetings and discussion about potential collaboration with selected organisations



Witnessing circularity of Plastic waste
MLP to bags and sunglasses

Empowering SHG's / Waste Pickers - formalising into PWM systems



Promoting behaviour change

Exploring Tech driven solutions

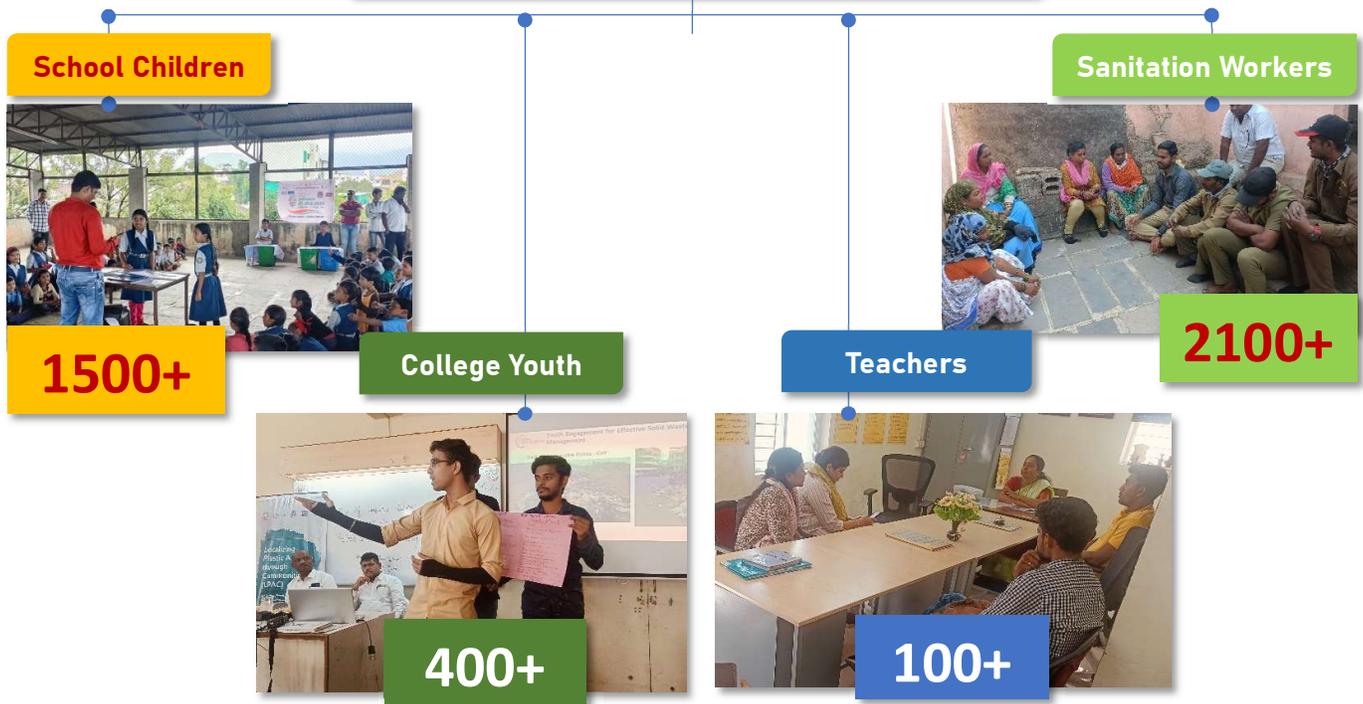


Integrating Youth and Children Perspectives

Mapping and Identifying NGO's, startups, private organisations etc. working in the Plastic Waste Management sector



Outreach in Year 1



Integrating Youth and Children Perspectives

Mapping and Identifying NGO's, startups, private organisations etc. working in the Plastic Waste Management sector

Interactive Games



Snake and ladder – SWM game



Bin It to Win It – Segregation game

Hands on Exercises



Youth brainstormed challenges & solutions for PWM, presenting insights & recommendations.

Awareness & Waste to Art Workshop

Awareness Drives & FGD's



School Children



Sanitation Workers

Key Takeaways

Knowledge Gaps – Basic segregation was familiar, but **plastic circularity concepts needed deeper understanding.**

Hands-on Learning Works – Activities like *waste-to-art* and games **enhanced engagement and comprehension.**

Creative Solutions – Youth proposed **innovative ideas** for recycling and reducing plastic use.

Behavioural Impact – Interactive methods **fostered responsibility and mindset shifts.**

What are we doing next? Roadmap for cities

1

Strengthening and Integrating Existing Initiatives for Plastic Waste Management (PWM)

- **Scaling up existing ULB initiatives across educational institutions**
- **Integrating active SHGs** - in collection, segregation and product making from recycled plastic waste
- **Planning in Phases with Children, youth and communities**

Strengthening system across value chain Plastic waste segregation, collection, processing

2

Establishing forward linkages for demonstrating a pilot

- **Establishing waste processing centres - by integrating SHGs through** Capacity Building and creation of alternate livelihood opportunities
- **Establishing Efficient Linkages**
- **Establishing Efficient Linkages** Between Collected Segregated Plastic Waste and Recyclers

3

Knowledge management and Policy and Advocacy at State and Ministry level

- **Documentation of Good Practices** - informing at the State and Ministry level through in-house publications
- **Local-level Recommendations** - Policy Papers, GRs, By-laws, etc.
- **Research and Publication with local-level data**

Institutionalisation of system at city level