



## PIMPRI CHINCHWAD MUNICIPAL CORPORATION

### SWACHH MAHARASHTRA/BHARAT(URBAN) PROJECT IMPLEMENTATION CELL

Email – [sbm.ihhlpcmcindia@gov.in](mailto:sbm.ihhlpcmcindia@gov.in) Website – [www.pcmcindia.gov.in](http://www.pcmcindia.gov.in)

Phone 020-67333333 Extension No. 1507



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## Public Notification

### (Swachh Innovative Technology Challenge)

Swachh Maharashtra Mission (Urban) is being implemented in the state on the lines of Central Government's Swachh Bharat Mission (Urban). Pimpri Chinchwad Municipal Corporation has participated in Swachh Survekshan 2022. Under Swachh Survekshan 2022, Pimpri Chinchwad Municipal Corporation has organized 'Swachh Innovative Technology Challenge'. PCMC invites all individuals, start-ups, companies, academic institutions, organizations, citizen groups, IT professionals, etc. to come forward and participate in this Challenge. The Challenge shall include the following –

1. The Challenge shall be conducted only within Pimpri Chinchwad Municipal Corporation
2. Certificates and Prizes will be arranged for first, second and third ranked participants. The nature of the prizes will be as follow –

Sl. No.	Prize level	No. of prizes	Total prize amount (in Rs.)
1	1st Rank	1	Rs. 41,000/-
2	2nd Rank	1	Rs. 31,000/-
3	3rd Rank	1	Rs. 21,000/-

3. Participants shall provide their entries on the following key thematic areas-

- Social Inclusion
- Zero dump/ Garbage Free City
- Plastic Waste Management
- Transparency

The probable list of innovative technology solutions are given below. Participants to note that any other solution other than the ones mentioned below are also welcome.

Sl. No.	Solution Area	Type of Solution (not limited to)
1	Social Inclusion (Resulting in better working condition for sanitation workers and waste pickers)	<ul style="list-style-type: none"><li>• Social innovations for improved <b>waste collection and management</b> in low-income settlements</li><li>• Low-cost efficient mechanical solutions for cleaning septic tanks and sewer lines (Manhole to machine hole)</li><li>• Efficient operation and maintenance of community and public toilets in a hygienic and sustainable manner</li><li>• Safe containment, evacuation, transportation, processing, and disposal of used water and fecal sludge &amp; septage</li></ul>
2	Zero Dump	<ul style="list-style-type: none"><li>• Innovative solutions for tracking segregated door-to-door collection solid waste</li><li>• Processing and recycling of all segregated fractions of Solid Waste</li><li>• Low-cost portable solution for remediation of legacy dumpsites</li></ul>
3	Plastic Waste Management	<ul style="list-style-type: none"><li>• Solution of processing and recycling of plastic waste</li><li>• Solutions to minimize degradation of plastic during recycling</li><li>• Plastic waste management in eco-sensitive regions</li><li>• Innovative methods for collection of multi-layered plastic and its disposal</li><li>• Technology for disposal of plastic from legacy dumpsites</li><li>• Alternatives of single use plastic</li></ul>
4	Transparency	<ul style="list-style-type: none"><li>• Digital solutions to check the overflow of septic tanks and sewer lines</li></ul>

	<ul style="list-style-type: none"> <li>• Citizen engagement including awareness creation and capacity building</li> <li>• IoT based solutions for real time monitoring of operations of Sanitation and Waste Management Infrastructure</li> </ul>
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Participants are required to submit their innovative technological solutions in the following format, along with photos and videos to support their details.

Sl. No.	Parameter	Solution details
1.	Name of the technological innovation/ solution	
2.	Key features of the Solution i) 3R principles - Reduce, Recycle & Reuse ii) Enabling process enhancement iii) Any other USP in-line with the identified solution areas/ solution types	
3.	Key feature of the technologies used - i) Uniqueness, ii) Low cost, iii) Low maintenance, iv) Time and effort saving, v) Contextualized and user-friendly	
4.	Operational Model: Whether a feasible model to operationalize the solution at field exists?	
5.	Commercial Model i) Whether the solution is implemented anywhere commercially? ii) Revenue generation potential for sustainability iii) Whether solution can be monetized?	
6.	Replicability: Whether the solution is easily replicable in similar deploying conditions and can be adapted under different geographical conditions?	
7.	Scalability: Whether the solution can be expanded to reach to the masses?	
8.	Time required for pilot implementation (months)	
9.	Indigenous Technologies: Whether technology can be developed using equipment/ parts easily available in the local market?	

#### Terms and Conditions of the Challenge –

- There is no age limit for this Challenge
- The participant/s should be a resident of Pimpri Chinchwad city.
- The project/ technology solution should be designed for Pimpri Chinchwad city.
- Participants should submit their solution entries as per the 9-point format provided above, along with their name, contact number and e-mail ID.
- The entries shall be submitted on [sbm2020@pcmcindia.gov.in](mailto:sbm2020@pcmcindia.gov.in) by 31<sup>st</sup> December 2021. Entries received post 31<sup>st</sup> December 2021 shall not be considered for evaluation in this Challenge.
- If required, the evaluation committee may ask the participants to present their solution to the committee.
- The decision of the committee regarding the selection process of the winners will be final.
- Hon'ble Commissioner shall have the right to change the terms and conditions relating to the Challenge.

All citizens are informed that, with their cooperation and support in this initiative, a valuable contribution can be made in technological interventions for improving the city's solid waste management system. Pimpri Chinchwad Municipal Corporation requests all individuals, start-ups, companies, academic institutions, organizations, citizen groups, IT professionals, etc. to support PCMC in Swachh Bharat Mission and participate in this 'Swachh Innovative Technology Challenge'. Participants are requested to send in their entries to [sbm2020@pcmcindia.gov.in](mailto:sbm2020@pcmcindia.gov.in) by 30<sup>th</sup> December 2021.

Outward No. SBM/ \ NWS/22-1/2021  
Date: 21/12/2021  
Place: Pimpri

(Rajesh Patil)  
Commissioner  
Pimpri Chinchwad Municipal Corporation