



Ministry of Housing and Urban Affairs
Government of India



SWACHH TECHNOLOGY CHALLENGE

06th December 2021

Swachh Technology Challenge – Salient Features

promote an **enabling environment for enterprise development** in the waste management sector we need to capitalize on huge opportunities created by SBM-U Entrepreneurship

ULBs to conduct the challenge at city level by inviting innovative solutions from individuals, startups, companies, academic institutions, CSOs, parastatals, municipal bodies etc.



- ULBs to evaluate solutions as per defined evaluation criteria and submit maximum 2 solutions to State. Post that, ULB eligible to get marks in SS 2022.
(max. 185 out of 2,250)

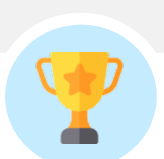


- Respective state to evaluate solutions and share top 3 solutions to MoHUA

- Indicator added in SS 2022 State Ranking



- The top solutions received from Startups to be submitted in '**Swachhata Startup Challenge- 2022**' to be organized by MoHUA in collaboration with AFD



Swachhata Start-up Challenge- 2022

MoHUA to release the 'Swachhata Start-up Challenge' in collaboration with Agence Française de Développement (AFD) in **January 2022**

The challenge will **evaluate and select** innovative **start-ups** and reward with financial support, mentoring and national/ international visibility

Up to 10 selected projects could receive seed funding of approx. **₹25 Lakhs per selected project** and **1 year** dedicated incubation support from French Tech

04

The thematic areas for challenge include:

i) Social Inclusion

ii) Zero Dump

iii) Plastic Waste Man

iv) Transparency

Thematic Areas (1/2)

Solution Area	Type of Solution (not limited to)
Social Inclusion (Resulting in better working condition for sanitation workers and waste pickers)	<ul style="list-style-type: none">• Social innovations for improved waste collection and management in low-income settlements• Low-cost efficient mechanical solutions for cleaning septic tanks and sewer lines (Manhole to machine hole)• Efficient operation and maintenance of community and public toilets in a hygienic and sustainable manner• Safe containment, evacuation, transportation, processing and disposal of used water and fecal sludge & septage
Zero Dump	<ul style="list-style-type: none">• Innovative solutions for tracking segregated door-to-door collection solid waste• Processing and recycling of all segregated fractions of Solid Waste• Low-cost portable solution for remediation of legacy dumpsites

Thematic Areas (2/2)

Solution Area	Type of Solution (not limited to)
Plastic Waste Management	<ul style="list-style-type: none">• Solution of processing and recycling of plastic waste• Solutions to minimize degradation of plastic during recycling• Plastic waste management in eco-sensitive regions• Innovative methods for collection of multi-layered plastic and its disposal• Technology for disposal of plastic from legacy dumpsites• Alternatives of single use plastic
Transparency	<ul style="list-style-type: none">• Digital solutions to check the overflow of septic tanks and sewer lines• Citizen engagement including awareness creation and capacity building• IoT based solutions for real time monitoring of operations of Sanitation and Waste Management Infrastructure

Proposed Outcomes

1

Top solutions from Startups can participate in “Swachhata Start-up Challenge”.

The selected solutions from startups will not undergo initial screening of the challenge.

2

Top 3 solutions in each of the thematic areas across the country will be felicitated with an award in the Swachh Survekshan Award ceremony

3

Top 3 solutions from State will be felicitated with an award by the respective State Govt. (from *SBM Capacity Building Fund*) as per the categories below:

State with
<100 ULBs

1st Prize

2nd Prize

3rd Prize

State with
>100
ULBs

1st Prize

2nd Prize

3rd Prize

4th Prize

5th Prize

Indicative Evaluation Criteria for ULBs & States (1/2)



S.No.	Criteria	Marks (Total -100)
	<p>Key features of the Solution</p> <ul style="list-style-type: none">i) Potential for Reduce, Recycle & Reuseii) Enabling process enhancementiii) Any other USP in-line with the identified solution areas / solution types	15
	<p>Key feature of the technologies used:</p> <ul style="list-style-type: none">i) Uniqueness, ii) Low cost,iii) Low maintenance, iv) Time and effort savingv) Contextualized and user-friendly.	15
	<p>Operational Model: A feasible model to operationalize the solution at field/at the place of deployment exists</p>	10

Indicative Evaluation Criteria for ULBs & States (1/2)



Criteria	Marks (Total -100)
Commercial Model i) Whether the solution is implemented anywhere commercially ii) Revenue generation potential for sustainability iii) Potential to monetize the innovative solution	20
Replicability: The solution to be easily replicable in similar deploying conditions and amenable to adaptation under different geographical conditions	10
Scalability: The solution to be scalable to enable expanding the reach of the solution to masses	10
Time for Pilot implementation	<= 3 months – 10 3 to 6 Months – 8 >6 Months – 5
Indigenous Technologies: Technologies developed using equipment/parts easily available in the local market should be given preference.	10