का
महोत्सव

सत्यमेव जयते
Ministry of Housing and Urban Affairs
Government of India

स्वच्छ भारत
एक कदम स्वच्छता की ओर

SWACHH TECHNOLOGY CHALLENGE

06th December 2021

Swachh Technology Challenge – Salient Features

promote an **enabling environment for enterprise development** in the wa
nagement sector we need to capitalize on huge opportunities created by SBM-U
entrepreneurship

ULBs to conduct
e challenge at city
vel by inviting
novative solutions
om individuals,
artups, companies,
cademic
stitutions, CSOs,
arastatals,
unicipal 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 Start
up Challenge- 20**
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

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The thematic areas for challenge include:

i) Social Inclusion

ii) Zero Dump

iii) Plastic Waste Mana

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)	• Social innovations for improved **waste collection and management** in low-income settlements • Low-cost efficient mechanical solutions for cleaning septic tanks and sewer line (**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 use water and fecal sludge & septage**
Zero Dump	• Innovative solutions for **tracking segregated door-to-door collection** solid wa • **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	• 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	• 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 an 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**

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

o.	Criteria	Marks (Total -100
	Key features of the Solution i) Potential for Reduce, Recycle & Reuse ii) Enabling process enhancement iii)Any other USP in-line with the identified solution areas / solution types	15
	Key feature of the technologies used: i) Uniqueness, ii) Low cost, iii) Low maintenance, iv) Time and effort saving v) Contextualized and user-friendly.	15
	Operational Model: A feasible model to operationalize the solution at field/at the place of deployment exists	10

ndicative 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