

WASTE

THE NEW PROMISE FOR ENTREPRENEURSHIP

06th December 2021

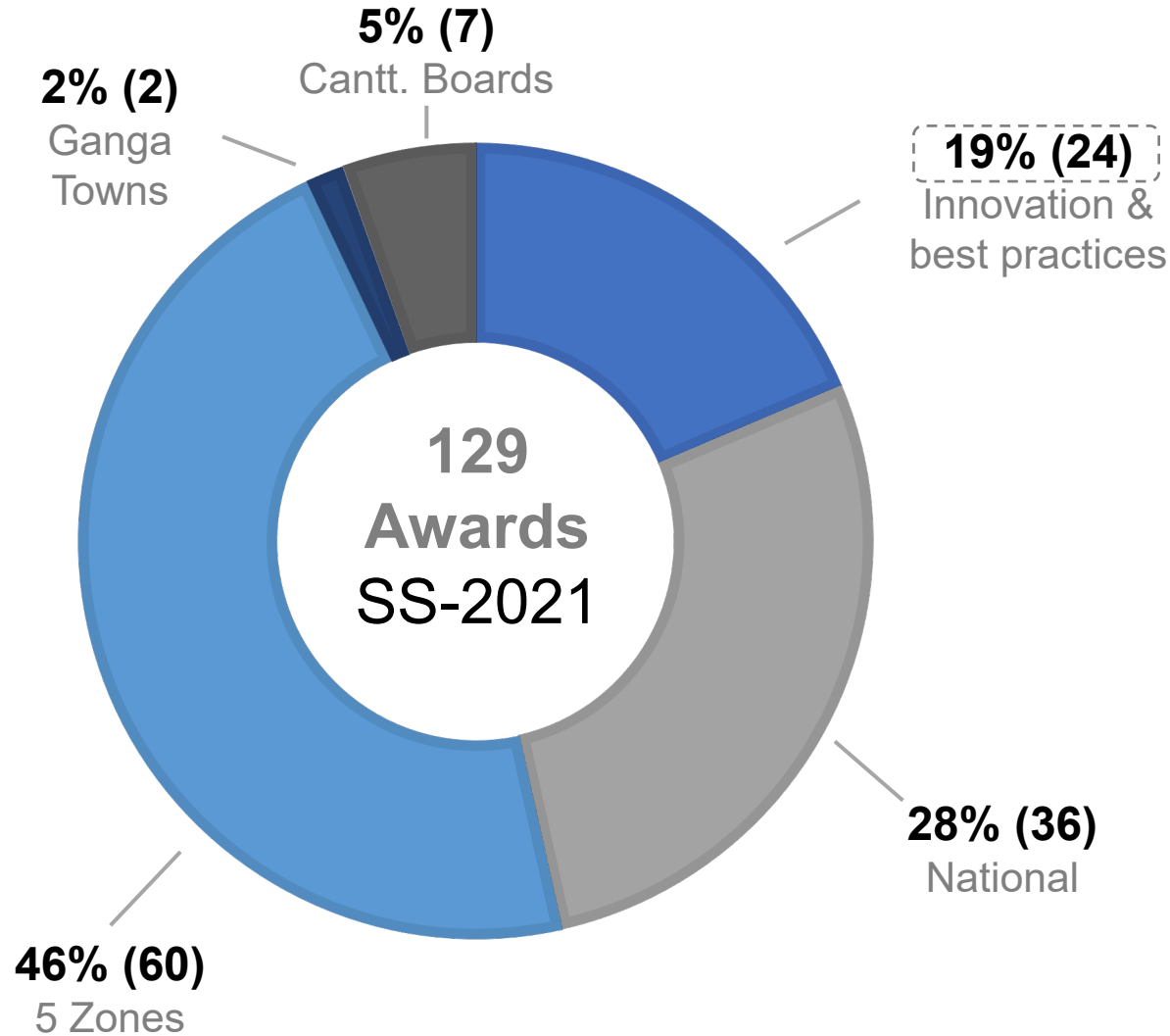
Over the years

- **Innovation and best practices** has been an indicator **under Swachh Survekshan** since 2018.

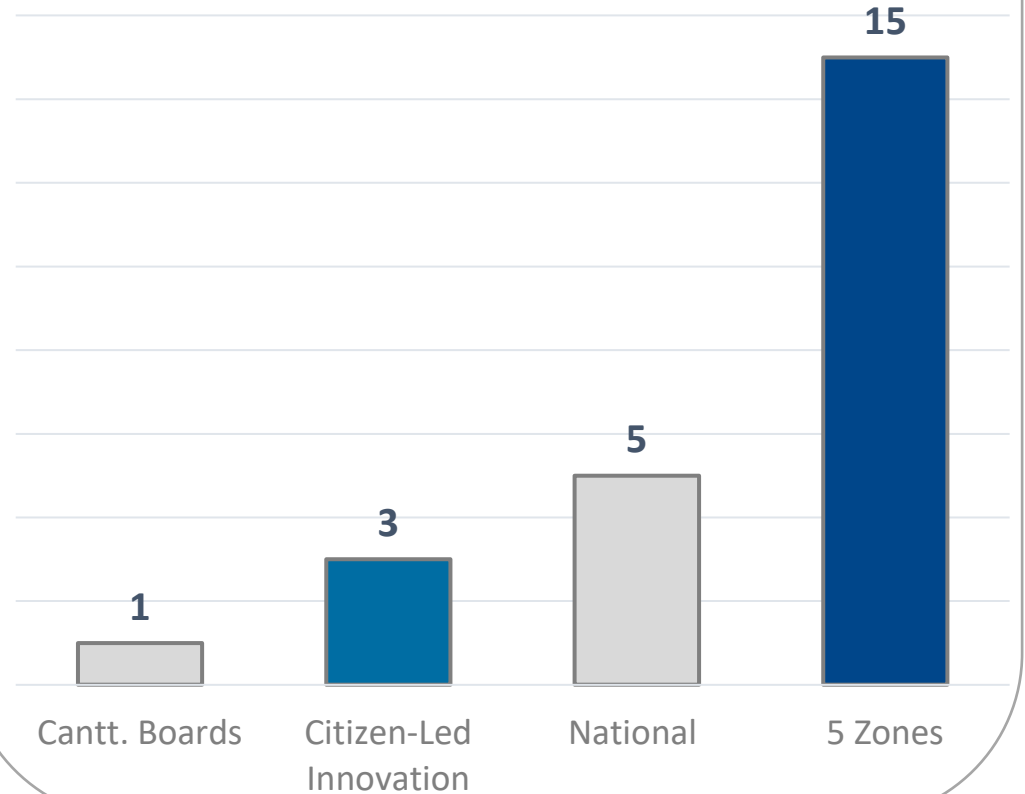
#	Year	Key Innovations & Best Practices
1	SS 2018	Smartwatch for Municipal Workers (Nagpur)
2	SS 2019	i) Bali Vaishya - enhancing the quality of compost (Ambikapur), ii) Waste to Art Park (SDMC), iii) Bio-CNG Plant (Indore), iv) Plastic to Paver Blocks (Korba), v) Kabadiwala.com (next generation e-scavenger) vi) Edible bags (bio-degradable plastic bags)
3	SS 2020	i) Madras Waste Exchange –Online trading platform for segregated waste (Chennai), ii) DUAC High Tech Toilets (Ludhiana), iii) Plastic Free Initiative (Gandhinagar), iv) Beautification point (Petlad)
4	SS 2021	i) Mission Dharavi-Covid Management (Greater Mumbai), ii) Plastic Tourism (Ghaziabad), iii) RagApp (Panvel)

- Above solutions are received in various domain areas including non-technology interventions
- Since technology **promotion and encouragement of social enterprises** is one of the **guiding principles of SBM 2.0**, therefore, an additional indicator of ‘**Swachh Technology Challenge**’ is added under **SS 2022**

Analysis of Innovation and Best Practices Awards SS 2021

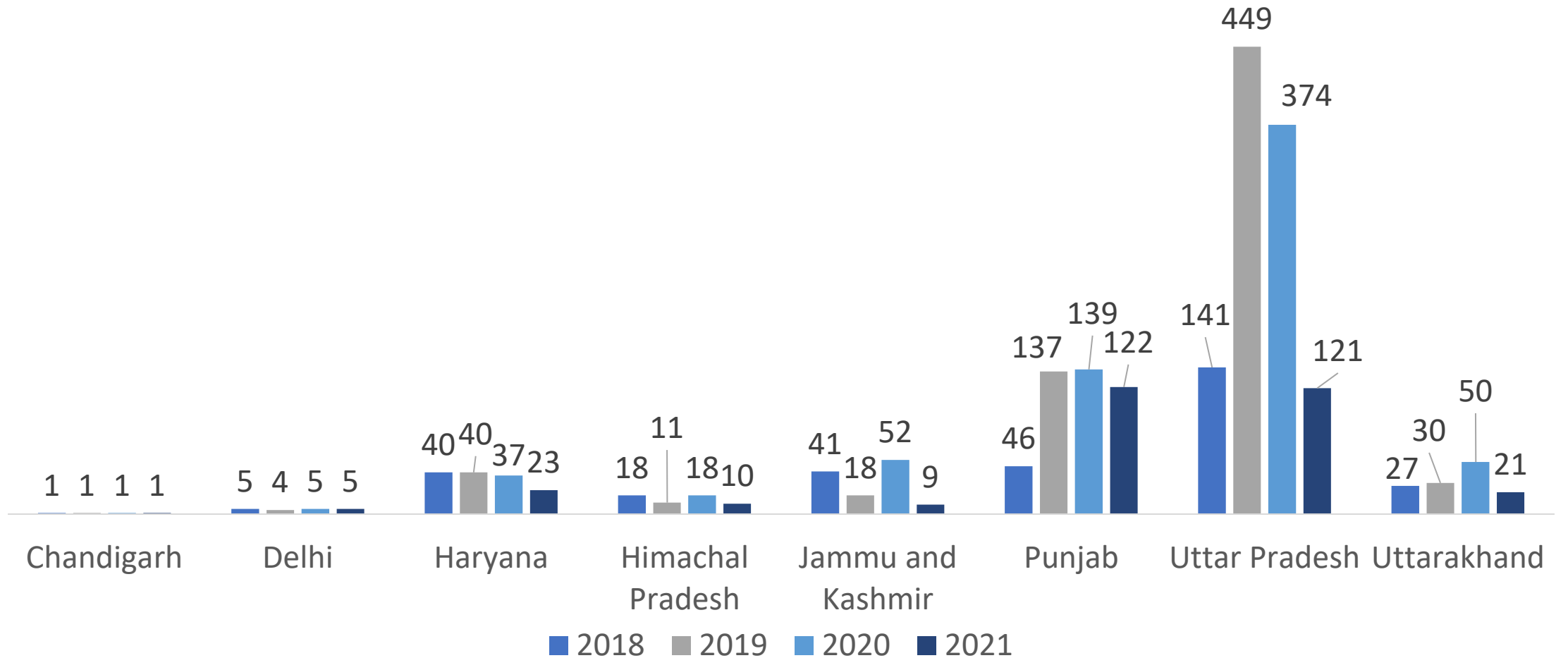


**Innovation and Best Practices allocation
SS-2021**



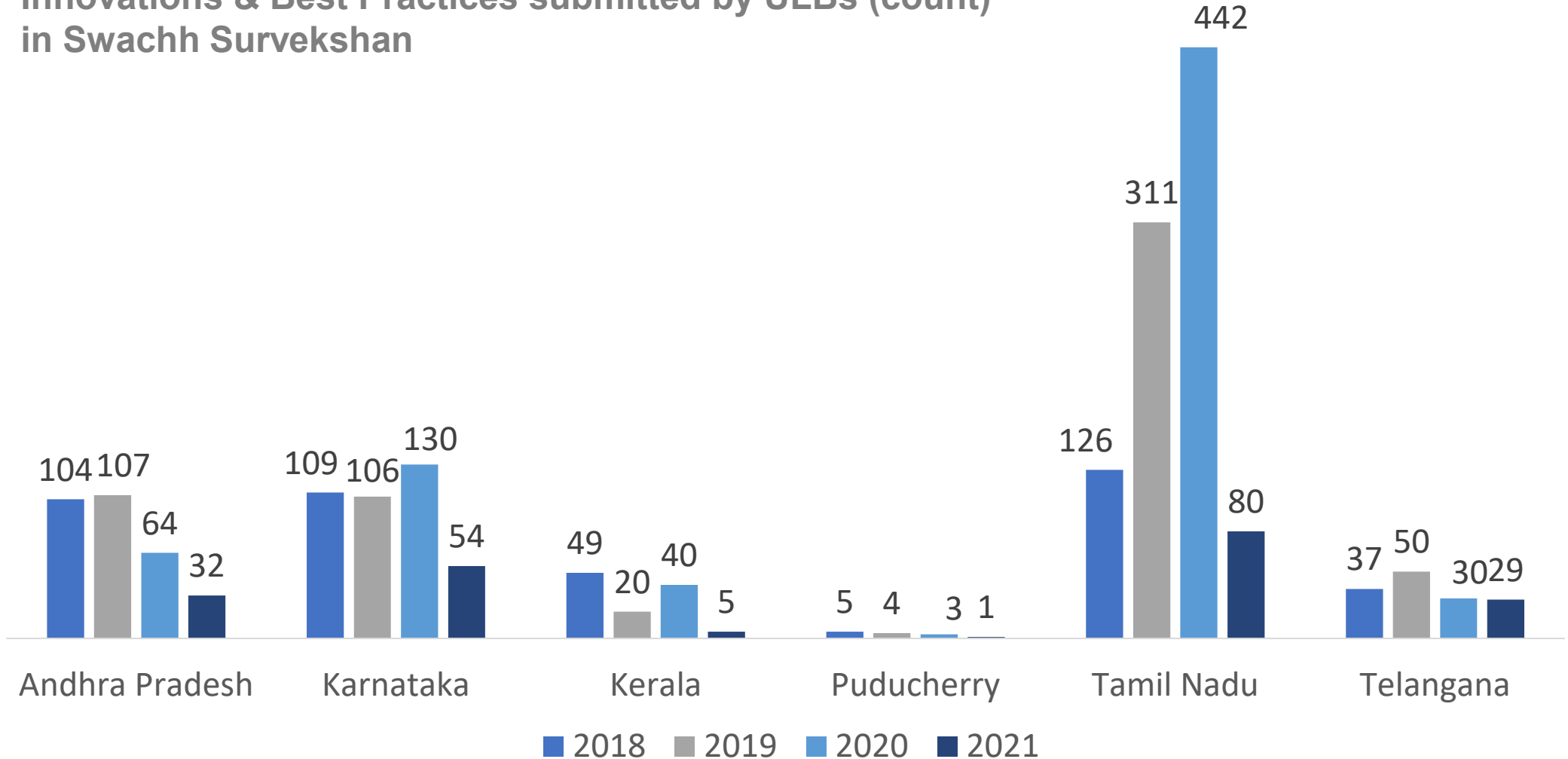
Innovations & Best practices- North Zone

Innovations & Best Practices submitted by ULBs (count) in Swachh Survekshan



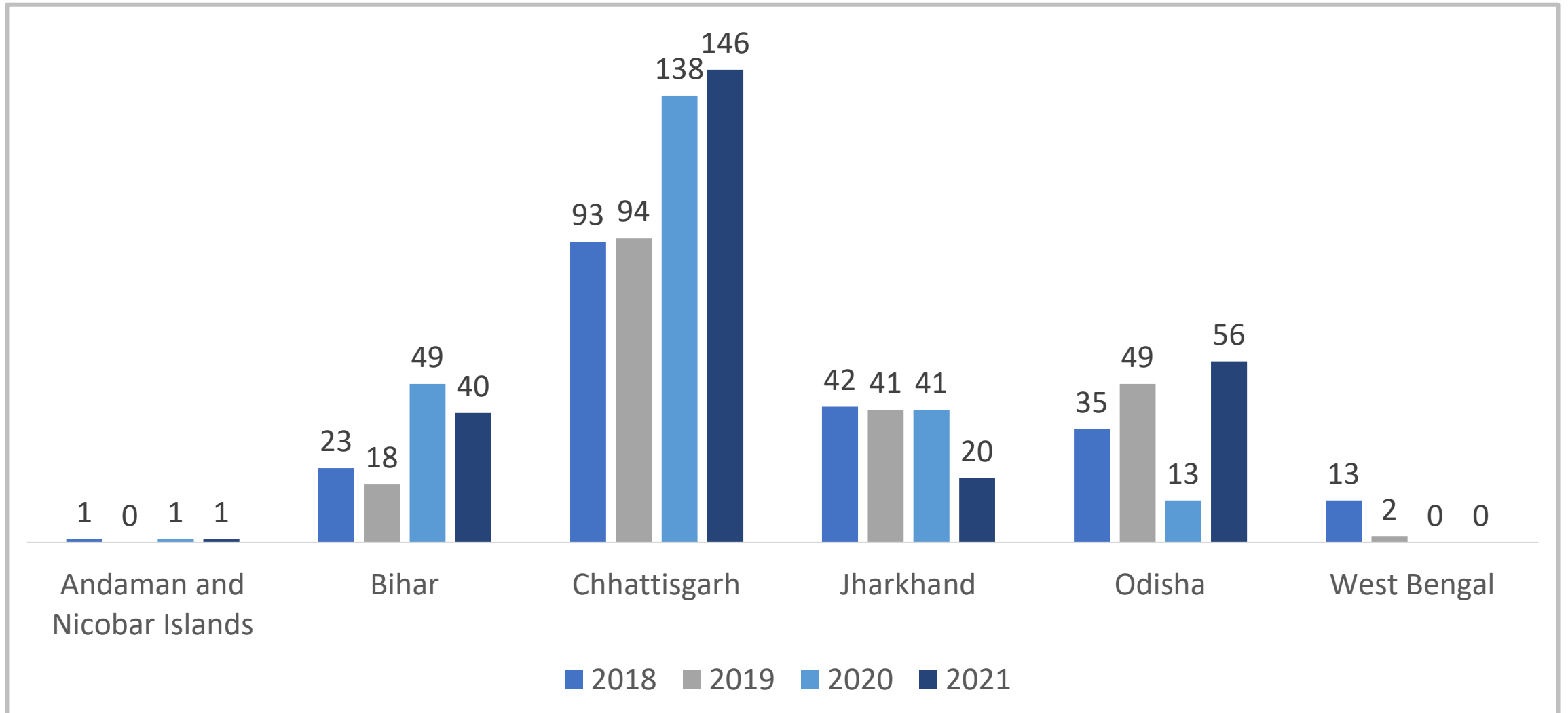
Innovations & Best practices- South Zone

Innovations & Best Practices submitted by ULBs (count)
in Swachh Survekshan



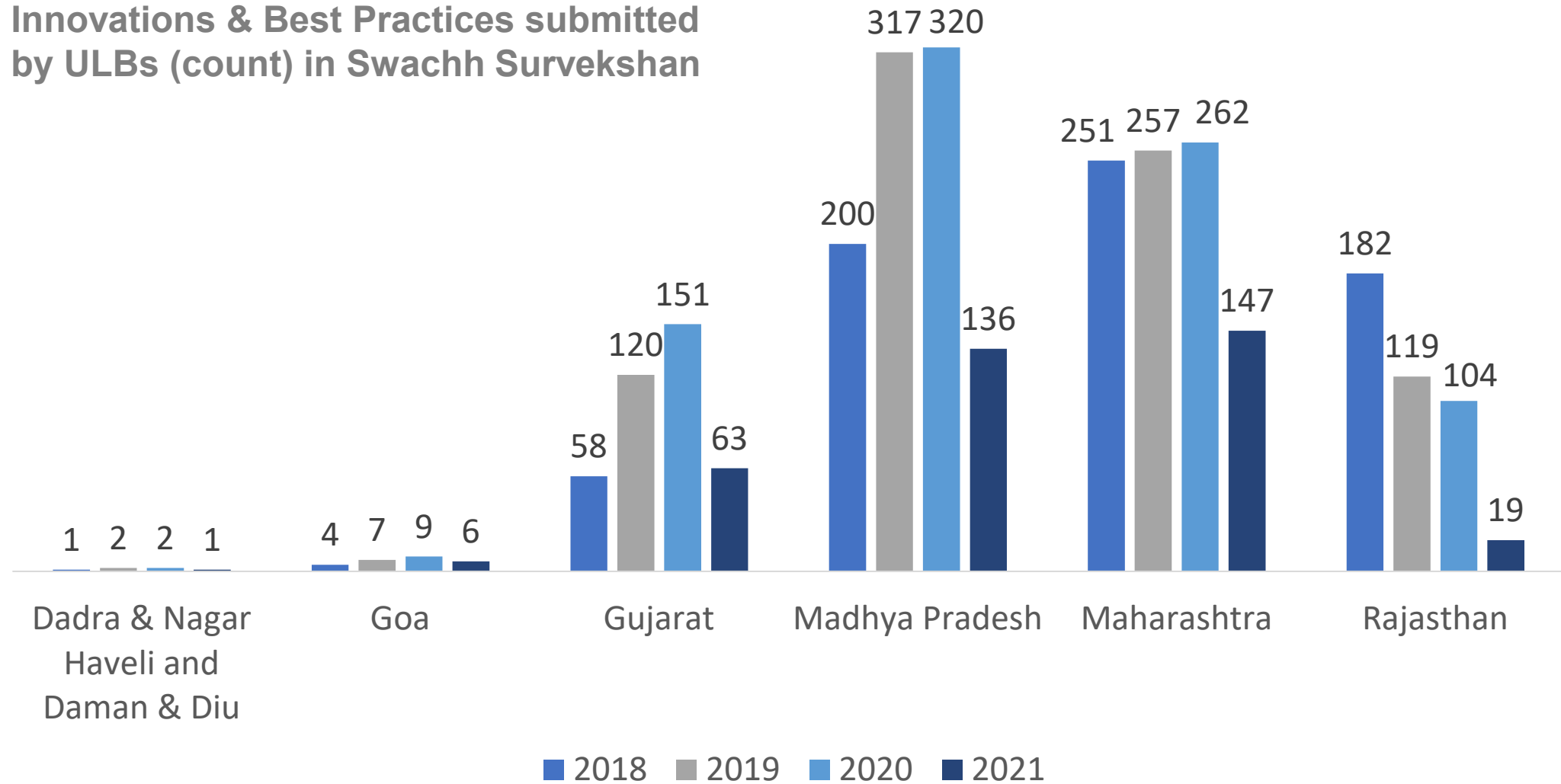
Innovations & Best practices- East Zone

Innovations & Best Practices submitted by ULBs (count) in Swachh Survekshan



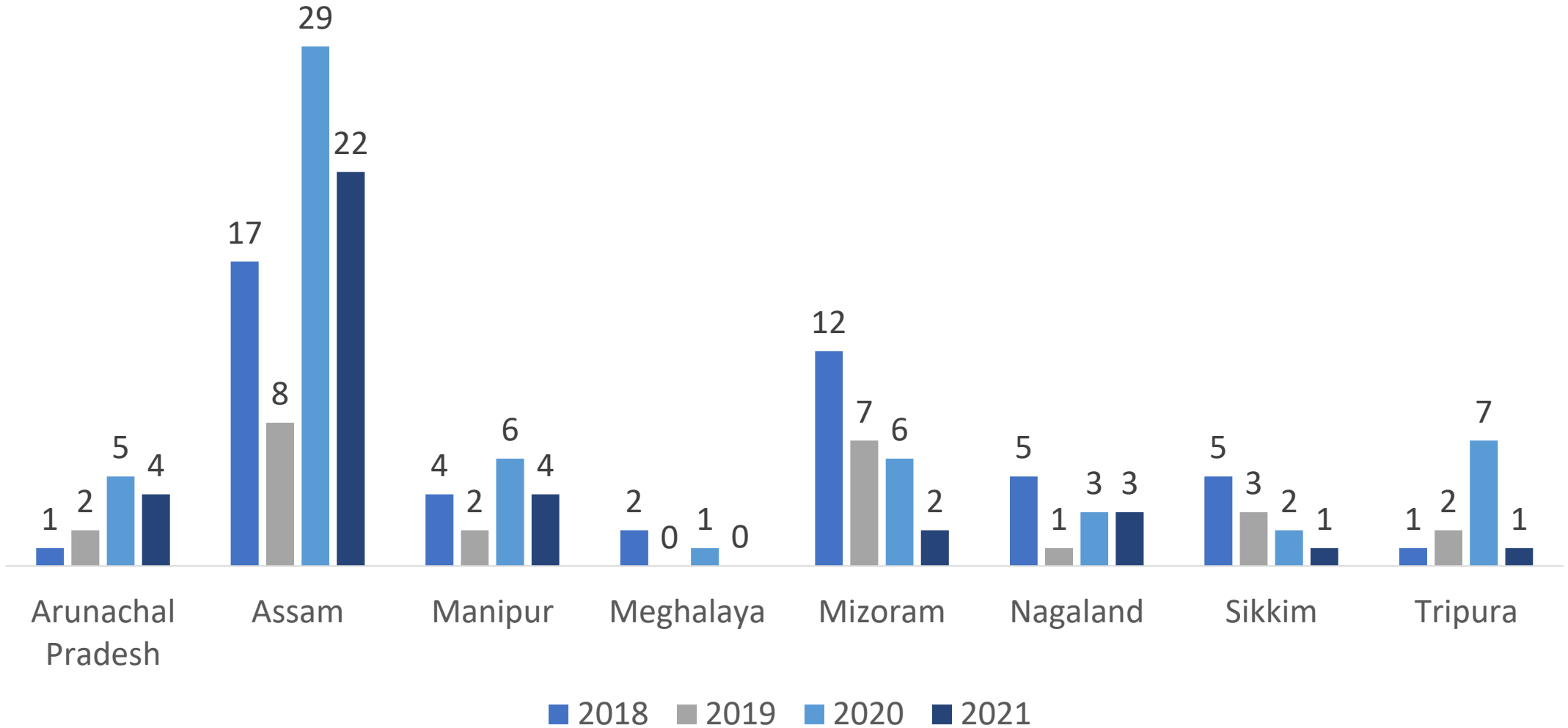
Innovations & Best practices- West Zone

Innovations & Best Practices submitted by ULBs (count) in Swachh Survekshan

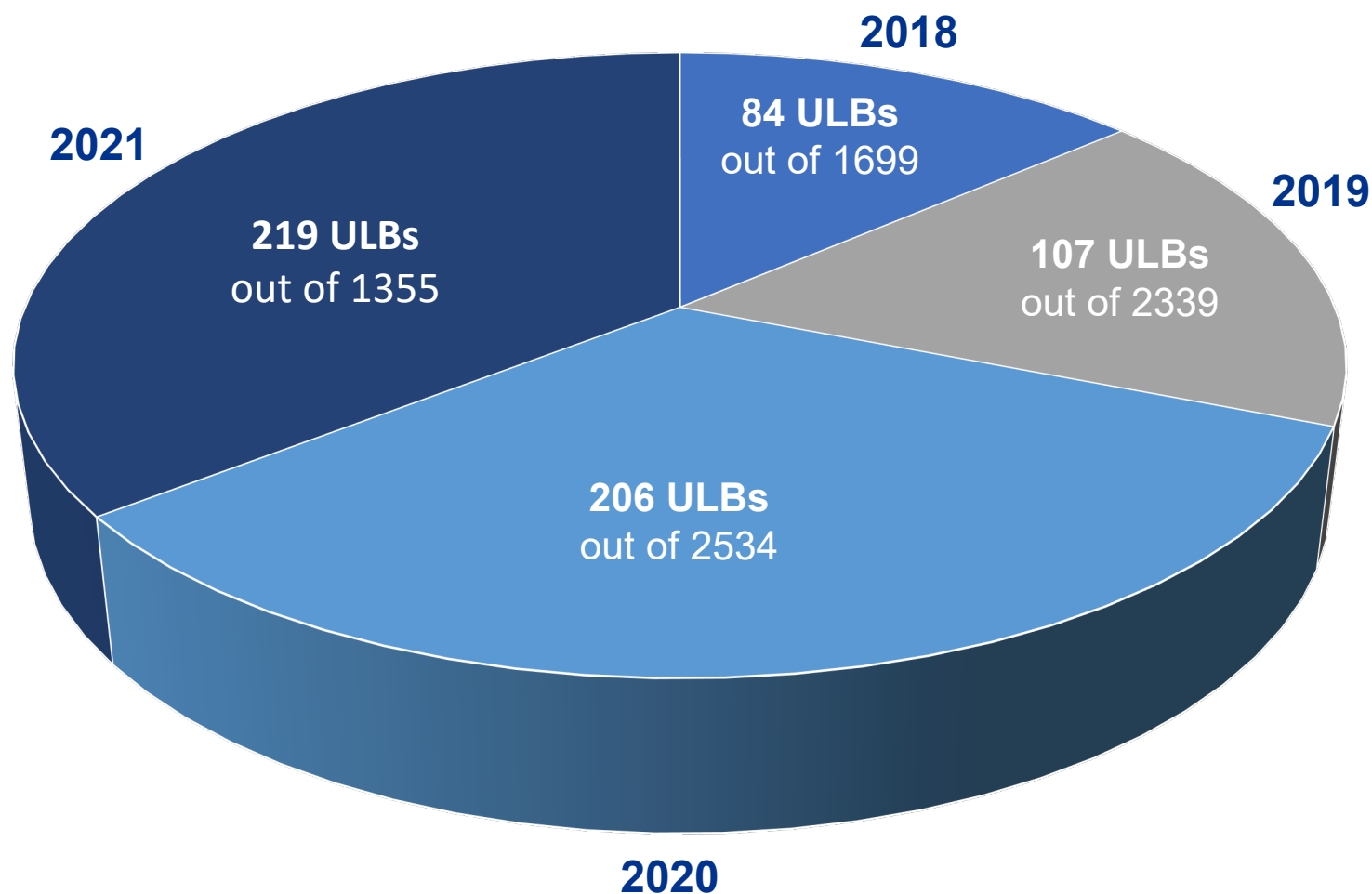


Innovations & Best practices- Northeast Zone

Innovations & Best Practices submitted by ULBs (count) in Swachh Survekshan



No. of ULBs securing more than 50% marks in Innovation and Best Practices



SWACHH TECHNOLOGY CHALLENGE

06th December 2021

Swachh Technology Challenge – Salient Features

To promote an **enabling environment for enterprise development** in the waste management sector we need to capitalize on huge opportunities created by SBM-U 2.0 for 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 Start-up Challenge- 2022**' to be organized by MoHUA in collaboration with AFD



Swachhata Start-up Challenge- 2022

01

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

02

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

03

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 the challenge include:

- i) Social Inclusion**
- ii) Zero Dump**
- iii) Plastic Waste Management**
- iv) Transparency**

Thematic Areas (1/2)

S. 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"> • 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
2	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)

S. No.	Solution Area	Type of Solution (not limited to)
3	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
4	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	1 st Prize	2 nd Prize	3 rd Prize		
	₹ 2.5 lakh	₹ 1.5 lakh	₹ 1 lakh		
State with >100 ULBs	1 st Prize	2 nd Prize	3 rd Prize	4 th Prize	5 th Prize
	₹ 5 lakh	₹ 2.5 lakh	₹ 1.5 lakh	₹ 1 lakh	₹ 75,000

S. No.	Criteria	Marks (Total -100)
1	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
2	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
3	Operational Model: A feasible model to operationalize the solution at field/at the place of deployment exists	10

S. No.	Criteria	Marks (Total -100)
4	Commercial Model i) Whether the solution is implemented anywhere commercially ii) Revenue generation potential for sustainability iii) Potential to monetize the innovative solution	20
5	Replicability: The solution to be easily replicable in similar deploying conditions and amenable to adaptation under different geographical conditions	10
6	Scalability: The solution to be scalable to enable expanding the reach of the solution to masses	10
7	Time for Pilot implementation	<= 3 months – 10 3 to 6 Months – 8 >6 Months – 5
8	Indigenous Technologies: Technologies developed using equipment/parts easily available in the local market should be given preference.	10

At State Level

- ACS/PS/Secretary-Urban Development (**Chair**)
- State Mission Director (**Convener**)
- Representative from State level of Chamber of Commerce - 1
- Representative from Development Partner organizations - 1
- Academician/ Technology Expert -1
- Chief Engineer/ Senior Official from PHE -1

At ULB level

- Municipal Commissioner/ EO (**Chair**)
- Nodal Officer SBM-U (**Convener**)
- Any other 2 members nominated by Municipal Commissioner/ EO out of which at least one external member of repute of technical background

Swachh Technology Challenge Application Form @ Swachhatam Platform

Log on to Swachhatam Platform

Left Navigation Pane

Innovations

Form

The screenshot shows the Swachhatam Platform dashboard. On the left is a navigation pane with the following menu items: Dashboard, Analytics and Reports, Mission Management, State Profile, City Profile, City Progress, Assessments, Action Plans, Community & Public Toilet(CT/PT), Geographical Information System (GIS), Project Management System(PMS), Information, Education & Communication, Sanitation Plan, and Innovations. The main content area is titled 'NOTIFICATION' and includes a breadcrumb trail 'Home / Notification / Notification'. Below this, there are dropdown menus for 'State', 'District', and 'City/ULB'. A text field for 'Name of the Applicant (Individual / organization)' is present. Under 'Type of the Applicant', there are radio buttons for 'Individuals', 'Academic Institutions', 'Parastatals or Municipal bodies', 'Startups', 'Research and Development Centers', 'Others' (selected), 'Company', and 'Civil society organisations'. A text field for 'Others (Please specify)' is also available. Below this, there is a section for 'Is your solution Proven technology or Potential Technology?' with radio buttons for 'Proven Technology' and 'Potential Technology'. At the bottom, the 'CONTACT DETAILS' section includes input fields for 'Full Name', 'Mobile Number', 'Email', and 'Age'.

The screenshot shows the application form for the Swachh Technology Challenge. It includes a 'Postal address / Residential Address' field, followed by 'City', 'State', and 'Postal Code' dropdowns. A section titled 'PLEASE SELECT THE SOLUTION AREA & SOLUTION TYPE' contains 'Solution Area' and 'Solution Type' dropdowns. Below these are three text areas: 'Brief Description of the Solution, showcasing potential to reduce, recycle & reuse, process enhancement, please showcase the USP of the solution etc. (500 Words)' (0/500), 'Proven of Potential Solution – Please detail out if the solution is implemented anywhere commercially (200 words)' (0/200), and 'Please provide key features of the technologies used and operational model for implementation at field level (200 words)' (0/200).

Flow of events – Swachh Technology Challenge

Release of Swachh Technology Challenge

06th Dec 2021

ULBs to popularize the challenge to seek entries from individuals & organizations

06th-31st Dec 2021

Respective ULB to constitute a committee/ jury to evaluate the proposals

By 20th Dec 2021

Individuals & organizations to submit their solutions to the ULB for screening

31st Dec 2021

ULB level committee/ jury to finalize maximum 2 solutions

By 06th Jan 2022

ULB to submit best entries to State on 'Swachhatam' Platform after screening

08th Jan 2022

State to constitute a committee/ jury to finalize top solutions

By 06th Jan 2022

State to felicitate top entries and share the details of solutions with MoHUA

15th Jan 2022

Top solutions from startups can participate in 'Swachhata Start-up Challenge'

15th Jan 2022
onwards



Thank You

Swachh Bharat is a practice, not a project!