

Plan

Participatory Learning & Action Network

Annual Report 2022-23



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Introduction

PLAN (Participatory Learning and Action Network Foundation) envisions to bridge the gaps in design education through industry connect by educating, motivating and promoting individuals & organisations having keen interest to expand their focus on design thinking. Through hardware and software products, PLAN has been able to create various platforms of convergence for governments, experts, NGOs, academia and citizens for collectively solving the problem of solid waste management in Indian cities.

PLAN has been able to deliver design solutions through its programs like '**Hilldaari**' (Circular Waste Management Program) & **Tree Plantation Program**. These aim to drive collective change by re-imagining & developing inclusive, contextualised and resilient models for creating circular economies & sustainable waste management systems in ecologically sensitive hill and beach cities of India.

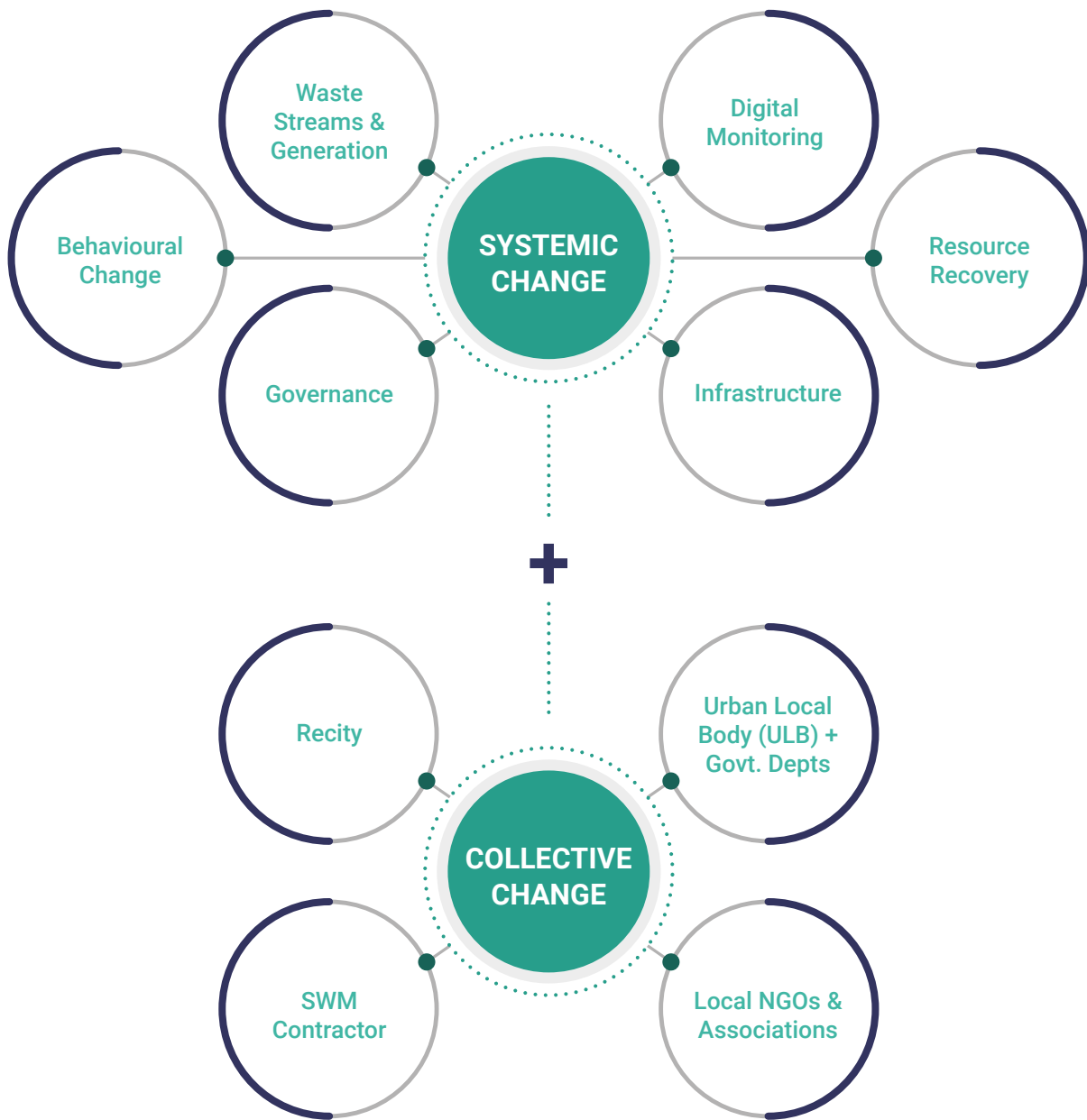
The various locations under the umbrella of PLAN include Mussoorie, Dalhousie, Nainital, Ponda, Mahabaleshwar and Munnar.

Methodology & Approach

PLAN uses a two-pronged approach for its programs

Systemic Change

Collective Change



Abstract

Throughout this year, PLAN has made strategic investments in cutting-edge technology and secured funding for essential infrastructure, enabling urban local bodies (ULBs) to efficiently and sustainably collect, sort, and process waste. Our highly skilled professionals have been unwavering in their dedication to meeting and surpassing all regulatory requirements while ensuring environmentally responsible operations.

Furthermore, we have actively pursued novel avenues to reduce waste and promote recycling. This has involved forging partnerships with local communities and organisations such as Greensole, a collaboration aimed at refurbishing footwear and minimising shoe waste. Additionally, we have successfully onboarded the JK Cement plant to facilitate the proper disposal of low-value plastic waste, contributing to the diversion of a substantial amount of waste from landfills and fostering a cleaner and healthier environment.

As we progress, our steadfast commitment remains focused on delivering sustainable waste management solutions that benefit both communities and waste management professionals. By implementing the SHG-led collection model across various locations and continually exploring innovative alternative livelihood opportunities, we aim to establish a solid foundation for long-term, human-centric design that incentivizes the sector and enhances operational efficiency.



Results And Impact: Hilldaari (April 2022 – March 2023)

Diverted waste from landfills

Cities	Cumulative Waste Diverted (MT)	Dry Waste Diverted (MT)	Wet Waste Processed (MT)
Mussoorie	3258	279	1086
Dalhousie	349	67	222
Nainital + CBN	12	6	6.4
Ponda	4505	1718	2304
Mahabaleshwar + Cluster Villages	145.64	89	0
Munnar	406.4	19	352
Total (MT)	8676.04	2178	3970.4

Clean-up Drives



Clean-up Drive in Nainital & Mussoorie

Cities	No. of Clean-up drives	Waste Collected from the Drives
Mussoorie	5	2.7
Dalhousie	7	1
Nainital + CBN	10	0.7
Ponda	8	1.8
Mahabaleshwar + Cluster Villages	17	2.4
Munnar	7	1.8
Total (MT)	54	10.4

PU's were surveyed for tech implementation across the 6 cities

Cities	Property Units Surveyed
Mussoorie	N/A
Dalhousie	N/A
Nainital + CBN	0
Ponda	1690
Mahabaleshwar + Cluster Villages	0
Munnar	1888
Total	3578

Waste Workers Professionalised



Training Sessions of Waste Workers in Mahabaleshwar

Cities	Mussoorie	Dalhousie	Nainital + CBN	Ponda	Mahabaleshwar + Cluster	Munnar	Total
Upskilled Training Sessions Conducted	12	0	9	14	117	24	176
Occupational IDs	199	9	0	47	0	1	256
Health Camps	1	3	0	4	8	1	17
Safety Gears Distributed	199	6	34	132	8	98	477
Waste Workers Professionalised	214	20	80	87	178	71	650
Government Benefits Availed	1	0	5	51	180	75	312
	waste worker enrolled for disable pension scheme	N/A	e-Shram, Occupational ID, Health ID				

Revenue generated for the ULB

Cities	Revenue
Mussoorie	397,000
Dalhousie	12,12,400
Nainital + CBN	96,000
Ponda	0
Mahabaleshwar + Cluster Villages	7,92,47,417
Munnar	657,615
Total	81,610,432

Number of Residents/ Students/ Tourist Engaged



IEC Activities in Mussoorie (left) & in Mahabaleshwar (right)



IEC Activities in Ponda (left) & in Munnar (right)

Cities	No. of Residents/ Students/ Tourist Engaged
Mussoorie	85
Dalhousie	6595
Nainital + CBN	35,318
Ponda	4447
Mahabaleshwar + Cluster Villages	19,258
Munnar	1035
Total	66,738

Visible Change



Wall mural in Mahabaleshwar (left) & Upcycled benches in Munnar (right)



Dustbin installation in Nainital (left) & Upcycled benches installation in Ponda (right)

Cities	Visible Change
Mussoorie	N/A
Dalhousie	N/A
Nainital + CBN	9 dustbins installed at playscape area
Ponda	4 upcycled bench 2 hoardings of no littering 2 wall murals 2 upcycled benches Vehicles painted
Mahabaleshwar + Cluster Villages	1 upcycled bench & litterbin 8 waste collection vehicles painted cleaning
Munnar	Maintenance of upcycled benches & playscape 2 upcycled benches made of MLP 3 upcycled benches & 3900 upcycled tiles Conversion of GVP to Butterfly Garden

Results And Impact: Tree Plantation (April 2022 - March 2023)

Sapling Plantation Figures



Tree plantation drive conducted in Nainital in which 24,000 saplings were planted

Cities	No. of Saplings Planted
Mussoorie	0
Dalhousie	0
Nainital + CBN	24,000
Ponda	0
Mahabaleshwar + Cluster Villages	0
Munnar	0
Total	24,000

Plan

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www.planfoundation.in



info.plan18@gmail.com



A-703, Golden Chariot, Old Lokhandwala, Andheri (West), Mumbai - 400053