

Annual Report 2021-22



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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.

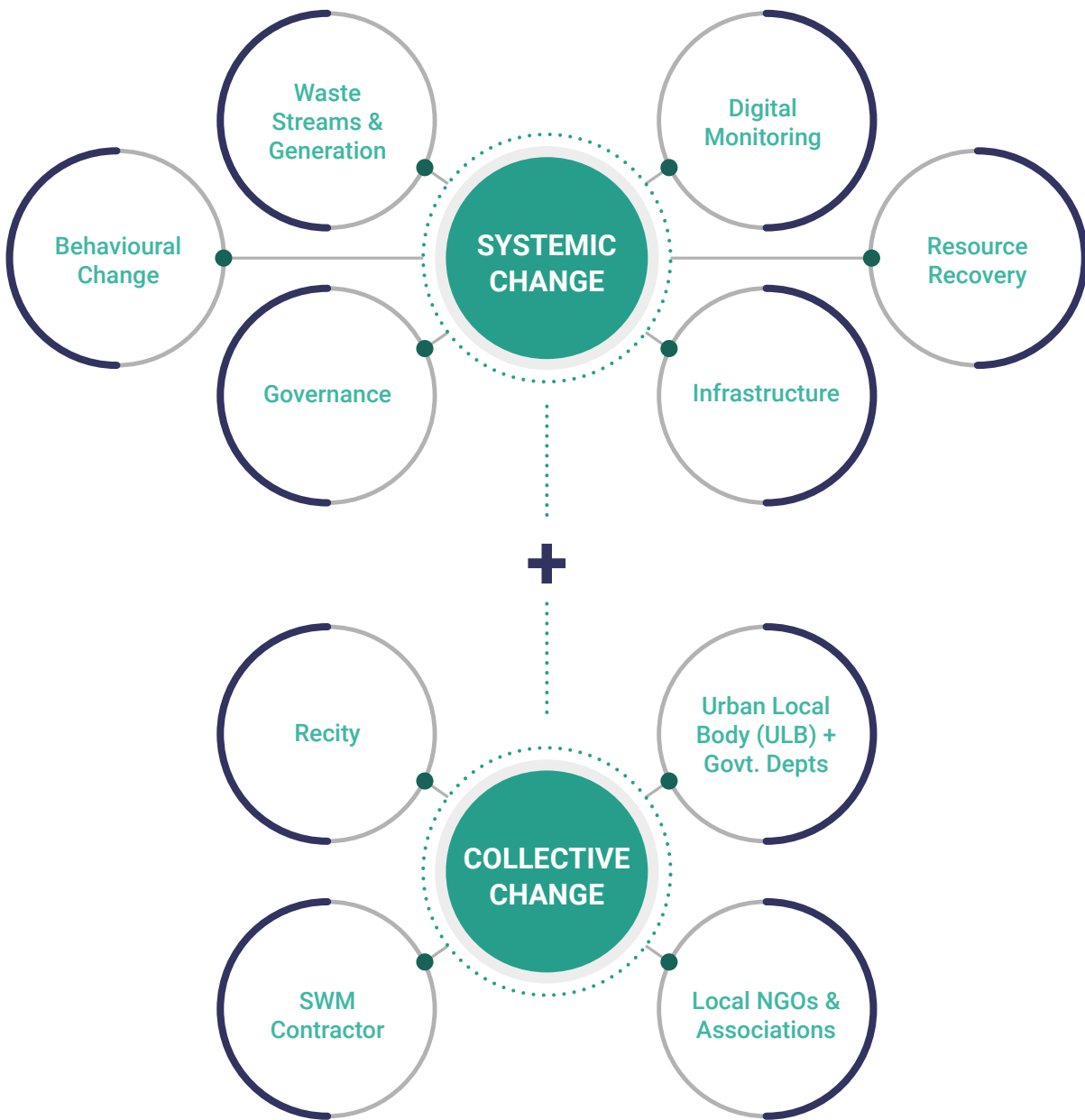
The various locations under the umbrella of PLAN include Mussoorie, Dalhousie, Nainital, Ponda, Mahabaleshwar and Munnar.

Methodology & Approach

PLAN uses a two-pronged approach for its programs

Systemic Change

Collective Change



Abstract

During the year, the country experienced the challenges posed by the second wave of COVID-19, which resulted in a nationwide lockdown again and severe restrictions on movement and resources. These circumstances created significant obstacles for conducting on-ground activities. To address this situation, PLAN devised an innovative approach called the Digital or No Contact IEC program. This program utilised technology and online platforms such as WhatsApp to raise awareness about source segregation and domestic bio-medical waste.

Recognizing the adverse impact of the second lockdown on informal waste pickers, PLAN extended support by providing ration kits to 109 waste pickers and workers in Mussoorie, Nainital, and Ponda. Furthermore, the team successfully completed a baseline study and obtained necessary permissions to conduct property surveys and implement QR codes in Munnar, establishing it as a Hilldaari City.

Aligned with the theme of the year, under its Tree Plantation program, PLAN organised a plantation drive in Mussoorie and Dalhousie, while also conducting a mass clean-up drive in Nainital to restore the ecosystem by collecting littered waste. These initiatives exemplify our commitment to environmental preservation and community engagement.



Results And Impact: Hilldaari (April 2021 – March 2022)

Diverted waste from landfills

Cities	Cumulative Waste Diverted (MT)	Dry Waste Diverted (MT)	Wet Waste Processed (MT)
Mussoorie	2833	141	2630
Dalhousie	125	42	83
Nainital + CBN	40	7	18
Ponda	3460	1490	1118
Mahabaleshwar + Cluster Villages	46	36	0
Munnar	0	0	0
Total (MT)	6504	1716	3849

Clean-up Drives



Clean-up Drive in Mussoorie

Cities	No. of Clean-up drives	Waste Collected from the Drives
Mussoorie	10	3.5
Dalhousie	15	1.4
Nainital + CBN	75	15
Ponda	15	3.5
Mahabaleshwar + Cluster Villages	20	2.4
Munnar	6	0.5
Total (MT)	141	26.3

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

Cities	Property Units Surveyed
Mussoorie	3005
Dalhousie	1127
Nainital + CBN	5427
Ponda	5464
Mahabaleshwar + Cluster Villages	2864
Munnar	760
Total	18,647

Waste Workers Professionalised



Capacity building training sessions in Ponda (left) & Mahabaleshwar (right)



Medical Camp in Munnar (left) & in Ponda (right)



Safety gears distribution in Mussoorie (left) & in Mahabaleshwar (right)

Cities	Mussoorie	Dalhousie	Nainital + CBN	Ponda	Mahabaleshwar + Cluster	Munnar	Total
Upskilled Training Sessions Conducted	32	10	26	26	73	5	172
Occupational IDs	0	7	37	26	112	19	201
Health Camps	1	0	0	3	1	1	6
Safety Gears Distributed	242	129	530	159	296	42	1398
Waste Workers Professionalised	199	14	80	139	173	76	681
	51	0	23	25	188	78	365
Government Benefits Availed	e-Shram	N/A	e-Shram	e-Shram, Health Card, Pradhan Mantri Jeevan Jyoti Bima Yojna (PMJJBY), Pradhan Mantri Suraksha Bima Yojna (PMSBY), Bank Account Opening			N/A

Revenue generated for the ULB

Cities	Revenue
Mussoorie	18,44,676
Dalhousie	780,540
Nainital + CBN	146,646
Ponda	87,20,249
Mahabaleshwar + Cluster Villages	85,00,000
Munnar	17,100
Total	2,00,09,211

Number of Residents/ Students/ Tourist Engaged

Cities	No. of Residents/ Students/ Tourist Engaged
Mussoorie	82,678
Dalhousie	12,256
Nainital + CBN	111,403
Ponda	40,544
Mahabaleshwar + Cluster Villages	17,778
Munnar	270
Total	264,929

Visible Change



Recycled benches installed and installation of playscape in Mahabaleshwar

Cities	Visible Change
Mussoorie	Playscapes 1
Dalhousie	N/A
Nainital + CBN	Playscapes 1
Ponda	Upcycled Benches
Mahabaleshwar + Cluster Villages	Playscapes 1, Benches & Litter Bins
Munnar	N/A

Results And Impact: Tree Plantation (April 2021 - March 2022)

Sapling Plantation Figures



Sapling plantation in Mussoorie

Cities	No. of Saplings Planted
Mussoorie	1000
Dalhousie	15
Nainital + CBN	0
Ponda	0
Mahabaleshwar + Cluster Villages	0
Munnar	0
Total	1015

Plan

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