

Transforming Solid Waste Management at Dwarka, Gujarat

Dwarka project is a corporate social responsibility project funded by Tata Chemicals Society for Rural Development (TCSRSD). We are working at Dwarka in collaboration Sampurnearth Environmental Solutions Pvt. Ltd.

Objectives:

1. Ensure door to door collection waste collection
2. Achieve 80% + segregation at source
3. Train safai karmcharis to perform better at their duties

Methodology:

1. **Baseline assessment** was conducted to study existing waste management practices. The study focussed on mapping waste collection route, awareness and motivation level of safai karmchari, knowledge of segregation among residents, waste generation on daily basis, waste picker survey, residents and commercial area survey etc. mapping of GVP and container is crucial in Dwarka because of floating population.
2. **Route mapping and planning:** new route map was prepared considering left out areas. The routes are designed to ensure 100% door to door collection



3. **Capacity building program** for safai karmachari was conducted. Training was delivered as per National Skill Development Corporation (NSDC) guidelines. The major topics covered were the best and safe practices of work, safety habits and interaction with residents. It was first of its kind training program for Safai Karmacharis.
4. **Door to door awareness campaign** - To achieve source segregation, we conducted door to door awareness activity at Dwarka. Segregation stickers were distributed to all the residents during awareness drive.

5. **Garbage vulnerable points (GVP) removal and city beautification** – After ensuring 100% door to door collection of waste. We started with the removal of GVP activity to stop open dumping by residents. And simultaneously started beautification of the city with wall paintings.
6. **PRECIOUS PLASTIC LAB “Seeing is Believing”**

Inspired by Dave Hakkens’ ‘Precious Plastic’ initiative, it is Gujarat’ 1st Plastic Lab to create behaviour change by making people aware

1. about hazards of plastic
2. how segregation at source creates economic value for plastic
3. ways in which people can reduce ‘plastic footprint’



Dwarka SWM			
Sr. No.	Activities	Status	Household Reach
1	Campaign Design and other Creatives		
	1. Sticker	Delivered	NA
	2. Banner	Delivered	
	3. Standee	Delivered	
	4. Jingle	Delivered	
	5. Wall painting /Banner	3000 sqft	
	6.GPS device	4	
2	Safai Karmachari training		
	1. Classroom training	3	NA
	2. PPE distribution	Delivered	
	3. Certificate	Delivered	
3	Competition		
	1. Ward level	10 winners are announced	14,500
4	Awareness event		
	Rallies	5	1,500
	Segregation demonstration	1189	3,578
	Meetings	141	1,125
	Clean up drives	2	1,062
	Street plays	30	3,380
	Sticker distribution	12320	12,320
	Public announcement Jingle	2	7,000
	School / College program	12	1,220
5	Precious Plastic Lab	launched on 20th Sept	3,000
6	GVP events		
	GVP removal events	19	153
7	Monitoring		
	Waste collection monitorig (aggreg		99,626