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Swiss Agency for Development and Cooperation SDC





Udaipur



GHG Emissions (2020-21)







Vulnerability Assessment



- Wards impacted by Four Fragile Urban Systems
- Wards impacted by Three Fragile Urban Systems
- Wards impacted by Two Fragile Urban Systems
- Wards impacted by One Fragile Urban Systems
- Wards not impacted by any Fragile Urban Systems



Critical Urban Systems



Solid Waste Management Lack of planning, segregation is not up to the mark, feasibility of treatment plants.



Sewerage Absence of sludge treatment at STPs, 40% city is still not covered by under ground sewerage network



Water Supply NRW, Stress on water sources, insufficient drinking water supply



Transport ICE based PT and IPT system, unorganized IPT, shortage of PT, dependence on private mode





Climate Action Plan Potential by Sectors (2018-19 to 2022-23)

Estimated annual mitigation potential of 0.22 million tCO₂e over the 2016-17 baseline



Sectorwise GHG Mitigation Potential

Proposed Climate Actions (short term and medium term)



Implementation Status of Climate Resilient City Action Plan (September 2022)

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Baseline Emission (2016 - 17) 1.14 Mn. tCO ₂ e		MILIGATION		Baseline GHG emission 2015-16	1252856
	As of September 2022 87% Target achieved	Climate Mitigation Target	IARGEI 19.7% BY 2022-23	CRCAP target (2022-23) (14% of 2015-16 baseline)	225,195
				Emission reductions achieved until September 2022	195,417
				% of target achieved as of September 2022	87%
19.7% reduction over 2016-17					

Example of Implemented Climate Actions (2019 to 2022)

Climate Smart Solid Waste Management

CapaCITIES supported projects:

- 2 TPD Biomethanation plant
- Methane gas assessment for Teethardi landfill
- Implemented SUNYA approach towards zero waste management in 2 wards

Replication/ projects implemented by the city:

- SUNYA approach towards zero waste management implemented in all wards
- Landfill capping, Teethardi (Scientific Land Capping of 83000 CUM solid waste)
- 20 Tonne per Day (TPD) Biomethanation plant on public private partnership (PPP) basis
- Integrated Compost Plant and MRF plant (60 TPD and 30 TPD capacity)
- 50 TPD MRF plant
- Legacy waste management, Bioremediation at Balicha dumping yard (Total Quantity of Waste- 450000 CUM, Total bio remediated waste: 1,66,000 Cubic Meter till now)







Source of Funding Municipal Budget & Smart Cities Mission

Adaptation Benefits

Reduction in urban flooding due to reduced littering of waste; Reduction in vector borne diseases and environmental contamination

Renewable Energy Deployment

Improvement in Water Supply

24x7 water supply scheme for Walled City Area (Under Smart Cities Mission)



Source of Funding **Municipal Budget & Smart Cities Mission**

Adaptation Benefits

Reduction in Non Revenue Water, thereby enhancing overall water supply coverage and reducing water stress, especially during summer months

Biodiversity

Local Biodiversity Strategy and Action Plan, **Urban Forest Development at Mohta Park**



GHG Mitigation per year Not assessed

Source of Funding Municipal Budget &

CSCAF 2.0

Smart Cities Mission

Improvement in biodiversity, reduction in air pollution and reduction in surface temperature and urban heat island effect

Building CapaCITIES Beyond Climate Actions

National and Global Reporting:

- Climate Smart Cities Assessment Framework 2.0
- Urban Outcomes Framework
- Global Covenant of Mayors for Climate and Energy

Support for sustainable urban development like planning support for

- National Clean Air Action Plan
- Cycles 4 Change Challenge
- Streets for People Challenge
- Atal Mission for Rejuvenation and Urban Transformation
- Swachh Bharat Mission
- Support during Covid pandemic





econcept Research / Consulting / Evaluation



For more information, please contact

 CDP-ICLEI Track National Green Tribunal

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Low Carbon Transport

Development of walled city into Udaipur Green Mobility Zone (GMZ) for promotion of e-mobility adoption and non motorised transport



CapaCITIES supported projects:

• Technical assessment, financial feasibility and bankability report: 1MWp captive

solar plant for institutional municipal

Replication/Implementation by

• Rooftop solar on Municipal buildings

(450kW, decentralised)

• 1 MWp captive solar plant for institutional municipal consumption

consumption

the city:

GHG Mitigation per year

1,200 tCO_e

Adaptation Benefits

Reduction in air, noise pollution, reduction in traffic congestion, decrease in heat sources and associated health benefits in the walled city area

CapaCITIES contribution to India's Nationally Determined Contribution (NDC) by

enabling a 'Lifestyle for Environment', ensuring a climate friendly and cleaner path; contributing to a reduction in emissions intensity of GDP; enhancing renewable energy capacity; enhancing investments in key vulnerable sectors such as water resources; mobilizing domestic and international funds for climate action and building capacities and frameworks for quick diffusion of cutting edge climate technology in India'



Knowledge Partner









Public Private Partnership

GHG Mitigation per year

2,178 tCO₂e

Source of Funding

Municipal Budget &

Smart Cities Mission