



Development and Management of Nationally Appropriate Mitigation Actions (NAMAs) in India- Waste and Forest


giz Deutsche Gesellschaft
für Internationale
Zusammenarbeit (GIZ) GmbH

On behalf of:



Federal Ministry
for the Environment, Nature Conservation,
Building and Nuclear Safety

of the Federal Republic of Germany





Partners

Political Partner:	Ministry of Environment, Forest and Climate Change
Implementation partner:	The Energy and Resources Institute (TERI)
Partners at the City level:	Varanasi Municipal Corporation (VMC), Goa Waste Management Corporation(GWMC) & City Corporation of Panaji

Project Implementation highlights

- ✓ Reduction of 50,609 tonnes of CO₂e emissions by supporting 1 compost, 3 biomet plants & 1 MRF in Varanasi and 3 biomet plants and decentralized composting in Panaji.
- ✓ Outreach to 150,000 people on awareness for source segregation in Varanasi and Panaji
- ✓ Support to MoHUA for development and release of national guidelines on RDF
- ✓ Capacity building of all ULBs in Goa on WM with support from state Urban Department
- ✓ Launch of innovative awareness campaigns such as barter system of waste in Panaji
- ✓ Support to city level policies on waste management and low carbon solutions for waste management in Varanasi and Panaji
- ✓ Capacity building of state level scrap dealers associations in Goa
- ✓ COVID-19 waste handling guidelines for Varanasi and Panaji
- ✓ Awareness building in COVID-19 lockdown through newspaper articles and radio
- ✓ 80 colony waste audits in Panaji
- ✓ Monthly newsletters on waste management to spread awareness & online competition of arts and crafts for children on waste management in Varanasi and Panaji
- ✓ 5 pilot colony activities promoting source segregation with lucky draw for segregating households.
- ✓ Online logo and mascot design competition in Varanasi.

Contribution to SDGs



Development and Management of NAMA in India- Waste



Shop with you waste campaign launch by commissioner(left) and mayor(right) of Panaji



Collection of waste after 2 days of launch Of Shop with your waste campaign



ULB Training on waste management in Goa



State level scrap dealers consultation



Bulk waste generators consultation in Panaji



Commissioner(left) and Mayor(right) of Varanasi inaugurating the Material Recovery Facility (MRF) established with support from NAMA project and Tetrapak



Material Recovery Facility (MRF) in operation



Awareness program in Schools on source segregation and home composting



Training program for bulk waste generators On MSW management



Training program for waste management staff Of Varanasi Municipal Corporation



Partners

Political Partner:	Ministry of Environment, Forest and Climate Change
Implementation partner:	The Energy and Resources Institute (TERI)
Partners at the City level:	Assam Forest Department; Assam Branch for Indian Tea Association; Assam Energy Development Agency

Project Implementation highlights

- ✓ Emission reduction till June 2020 is 1,23,236 tCO₂e from a combination of fuelwood saving; use of alternate technology like LPG, sequestration by plantation and reducing emissions by reducing forest degradation
- ✓ Baseline of Forest Carbon for all 6 six divisions
- ✓ Outreach to 180,000 people on awareness on use of cleaner cooking technologies and benefits of reducing deforestation and forest degradation through Street plays, on site demonstrations, short videos
- ✓ 16085 HHs are the beneficiaries of Improved Cooking Technology
- ✓ Capacity building of all frontline staff and IFS officers of the Assam Forest Department (AFD) of – 200 officers trained
- ✓ A training manual for Capacity Building of Assam Forest Department on Carbon Stock Assessment of Forests has been developed and launched by the AFD. Executive summary prepared and launched in Assamese.
- ✓ Support AFD in conducting baseline scenario for plantations developed as a part of the project – 723 Ha planted and calculation of carbon stock conducted
- ✓ Videos on carbon stock assessment; and deployment of Sukhad model of ICS developed
- ✓ Outreach - At 14th session of UNFF side event was conducted with DG(F) as Chair; Thematic track on Forest NAMA was organised at World Sustainable Development Summit 2020
- ✓ More than 50 individuals covering entire project area are trained for deployment of Improved Cooking Technology.
- ✓ Scientific articles have been submitted for publication. Popular articles are published in print and online media

Contribution to SDGs



Development and Management of NAMA in India- Forest



Training of AFD staff on Carbon Stock Assessment of Forest Ecosystems



Forest NAMA presented at the UNFF 2019 and WSDS 2020



Education & Awareness on Improved Cooking Technology deployment



Local innovations in technology deployment and construction of Improved cookstoves



Street Plays for Awareness Raising



Beneficiary of the deployed LPG and ICS

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