

Examples of Climate Action in Coimbatore

Renewable Energy

Solar power plant / Solar rooftop 6.25 MW



Finance
Smart City / Municipal budget



GHG Mitigation per year
7,713 tCO₂e



Status of Project
Completed



Implementation period/ Commissioning
2016-20

Floating solar power plant (140 KW + 10 MW)



Finance
Pilot project: CapaCITIES phase II + state scheme



GHG Mitigation per year
13,633 tCO₂e



Status of Project
Proposed



Implementation period/ Commissioning
2023

Waste

Biomining



Finance
Smart City / Municipal budget



GHG Mitigation per year
138,425 tCO₂e



Status of Project
Ongoing



Implementation period/ Commissioning
2019-2023



Adaptation impacts
1) Improved air and groundwater quality
2) Health benefits

Biogas Plants at 6 locations (7.8 TPD Capacity)



Finance
CapaCITIES phase I / Municipal budget



GHG Mitigation per year
3,246 tCO₂e



Status of Project
Completed



Implementation period/ Commissioning
2015-2018



Adaptation impacts
1) Improved air and groundwater quality
2) Health benefits

200 TPD BioCNG Project



Finance
Smart City / Municipal budget



GHG Mitigation per year
27,505 tCO₂e



Status of Project
Proposed



Implementation period/ Commissioning
2023



Adaptation impacts
PPP: Private equity and debt, viability gap funding from City

Water

Lake rejuvenation



Finance
Smart City



Status of Project
Completed



Implementation period/ Commissioning
2016-20



Adaptation Impacts
1) Water conservation
2) Ground water recharge
3) Biodiversity enhanced
4) Improved air quality

Energy Efficiency

Conversion of LED Street Lights (58,878 nos.)



Finance
Smart City



Status of Project
Completed



Implementation period/ Commissioning
2019-20



GHG Mitigation per year
13,492 tCO₂e



Baseline 2015-16	5,316,666
CRCAP target (2022-23) (25% of 2015-16 baseline)	1,369,060
Emission reduction by projects until September 2022	162,877
Target achieved (%)	13%

Contributing to India's NDC

Implemented climate actions contribute 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



Implementing Partners



Knowledge Partner

