

Improving the Urban green cover in a city through proper planning and implementation

Potential Climate/ Disaster Impacts addressed and Justification for this Approach

The green spaces will act as carbon sink and thus help in reducing the GHG emissions. Urban green spaces in the city also help in lowering the temperature of the area and thus reducing the impact heat island effects in cities.

Process of Implementation

1. A study was conducted for the identification of gaps and recommendation. Additionally, a roadmap was provided to the city for improving the urban green cover in the city of Coimbatore.
2. The urban design thinking methodology was adopted which uses the gap analysis report, stakeholder consultations and online surveys. A prototype was developed for a pilot area (Marutha Nagar Park) in Coimbatore. Based on the prototype, the project developed a detailed design for a bio park at Marutha Nagar. A concept for GHG Monitoring, reporting and verification mechanism was developed
3. A heat island mapping study was also conducted by the project to identify the heat pockets in the city and how green spaces and water bodies help in mitigating heat effects.

Project Title

Climate Smart Cities Project

Project Number

2019.15.9

Results and Impacts

1. Open space areas (100 +) for converting into mini urban forest parks were identified which was one of the recommendation in the gap analysis. MoUs were designed and facilitated with the City municipal corporation with NGOs, Corporates for adoption of these parks for maintenance under CSR funding
2. The detailed design for the bio park at Marutha Nagar is accepted and under implementation by city through its own fund. The implementation support will be continued under the Urban Act project
3. The heat island mapping has been an important tool in showcasing how urban green spaces help in reducing the temperature of a region and to convince cities to move towards action



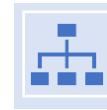
TYPE OF APPROACH

Plan & Strategy Development



COUNTRY

India



LEVEL OF INTERVENTION

city, neighbourhood



TYPE OF RISK MANAGEMENT

N/A



MAIN HAZARDS ADDRESSED

heat wave



URBAN FUNCTION PROTECTED

recreation



SPHERE OF INTERVENTION

socio-political sphere/ governance, environment



RESOURCES REQUIRED

External consultants, Volunteers from college, online survey tool, RWAs



COOPERATION PARTNERS

Coimbatore Municipal Corporation