

Climate Change Initiatives in Gujarat: Towards Transformation

India is committed to implement the Paris Agreement with all its vitality and resources. For India, climate change is a development challenge and Paris Agreement is a commitment to its own citizen. As a result, many states in India have taken numerous steps to reduce emission and improve as well as scale-up successful adaptation. Gujarat is leading the way among the different states of India to implement innovative climate change initiatives.

The following are key areas in Climate Change that the various departments of the government of Gujarat are implementing.

- A. Climate Change Department:**
 - Installation of Solar Roof Top System
 - Subsidy to students of Smart city/Solar City /Carbon resilient City for purchase of (low speed and high speed) battery operated two wheelers vehicles.
 - Installation of Solar Water Heating Systems at Government hostels and Residential Schools
 - To provide super efficient Fans and LED Tube light in Schools and Hostels of the State.
 - To Promote Waste to Energy and Solid Waste Management
 - Small Grants Programme for Promotion of Small Projects and Research of Climate change.
 - Climate change, Renewable Energy & Gobar Gas Plant
- B. Agriculture and Cooperation Department:**
 - Scheme for Farm Ponds for Water storage in Gujarat State
 - Scheme for Water Harvesting
 - Scheme for Distilling of Village Ponds
- Integrated watershed development programme in tribal area.
- C. Energy and Petrochemicals Department**
 - Assistance to state PSEs for providing solar based non electrified areas of the state
 - Assistance to Gujarat Urja Vikas Nigam Limited for implementing the scheme of solar agriculture pump sets
 - capital contribution to Gujarat Power Corporation Limited for establishment of solar park in the state
 - Assistance to Sardar Patel Renewable Energy Research Institute.
 - Assistance for Energy Conservation
- D. Forest and Environment Department:**
 - Biodiversity conservation and rural livelihood improvement project
 - National Afforestation programme
 - Soil and moisture conservation and afforestation in denuded forest area
 - Gujarat Forestry Development
 - Action plan for creation of Kachchh biosphere reserve
 - Community forestry scheme
 - Grass Development Project
 - Vruksheti Yojana
 - Intensification Forest Management
 - Vermicompost Scheme
 - Action Plan for Creation of Taskforce and Mangrove Plantation
 - Bamboo Forest Management
 - Scheduled Castes Sub Plan Scheme for Fruit Plantations
 - Integrated Development of Destinations
- High Level Cleanliness at Yatradhams/ Drinking Water/ Smart Spritual Destination/ Solar Rooftop/ BoV/ Energy Eff. Light at Yattradham
- E. Industry and Mines Department**
 - Integrated Development of Destinations
 - High Level Cleanliness at Yatradhams/ Drinking Water/ Smart Spritual Destination/ Solar Rooftop/ BoV/ Energy Eff. Light at Yattradham
- F. Urban Development and Urban Housing Department**
 - UDP-Urban Development Mission - Smart City
 - Grant in aid to Municipal Corporation for Atal Mission for Rejuvenation and Urban Transformation (AMRUT)
- G. Kutch:**
 - Installation for Wind Energy
 - Climate Change Adaptation for Natural Resource Dependent Communities in Kachchh, Gujarat. The project aims to enhance the adaptive capacity of natural resource dependent communities (Agriculture, Coastal Fishing and Pastoral communities) to climate change in targeted villages of Kachchh district, Gujarat.

What now needs to be aimed at is greater performance on the ground, reformulating the existing projects and policies to address the needs of the vulnerable people - man and women - of Gujarat; stronger linkages between and among SDGs, NDCs and SFDRR; and transformation of the mainstream economic development information "green and clean" economy.

—GUIDE and AIDMI Teams