



**Government of Goa**

**Department of Science,  
Technology & Environment**

**Presentation on  
State Action Plan on Climate  
Change**

**By  
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## Extract of the Budget Speech 2010-11 (25<sup>th</sup> March 2010)

“Sir, as aptly said by Abraham Lincoln, “*You can not escape the responsibility of tomorrow by evading it today*”. The changes in climate and global warming have affected our beautiful little state and its natural resources. I intend to constitute an Action Plan on Climate Change for the State and take measures on this count. We will also pass on the mandate of recommending State Carbon Credit Policy to the Action Plan on Climate Change. ....”



**Shri Digambar V. Kamat, Chief Minister - Goa**

# Objectives for the State Action Plan

1. Provide for protection of our coastal resources and forest reserves including areas rich in biodiversity and Khazan lands.
2. Provide for protection of livelihood of our traditional inhabitants and our local communities along the coast and plains by implementing suitable measures by putting degraded lands to economic use.
3. Conservation and sustenance of natural resources through effective schemes of management.
4. Popularization and installation of renewable sources of energy devices and providing suitable incentives for each household.
5. Increasing green cover, making use of solar energy, making use of energy-conserving devices.
6. Prioritizing eco-friendly techniques in waste management – plastic free Goa and use of alternative materials.
7. Maintain the clean and green environment of Goa and attempt to achieve world standards on environment.

# Framework

**Phase – 1:** Creating mass awareness about the subject of CC and state-specific consequences among student community, representatives from various Local self governments, especially in coastal areas and Western Ghat, NGOs' and general public. All State political parties to be brought on board for effective mass awareness programme.

**Phase – 2:** Strengthening of various Nature / Science / Eco clubs, established in the educational institutions in the State, through State agencies and institutions namely – Directorate of Education, SCERT, Goa state Council of Science & Technology (GSCST), Center for Environment Education (CEE) and provide them with adequate resources for effective dissemination of the subject matter.

**Phase – 3:** Constitution of State-level Steering Committee as well as State Advisory Group (SAG) and identification/designation of a Core Agency for preparation of State-level Climate Change Strategy and Action Plan in consultation with the National Institute of Oceanography (NIO), Dona Paula and National Council of Antarctica and Ocean Research (NCAOR), Vasco.

**Phase – 4:** Formulation of plans to attain the desired objectives considering five-year interval. This is in line with the projections of the recommendations to be made by the Goa Golden Jubilee Development Council (GGJDC) in their Vision Document 2035.

**Phase – 5:** Implementation of the plan



## Activities presently initiated and implemented

The Goa State Council of Science & Technology (GSCST) has already initiated various awareness drives in educational institutions with the help of Directorate of Education and SCERT (about 40 programmes), by organizing various campaigns such as – lecture series, poster exhibition, energy audit programmes and competitions to create mass awareness about the pros- and cons- of the climate change through technical inputs from CPRE, Chennai.

Similarly, the Center for Environment Education (CEE), Goa divisional office, through financial assistance from the DST&E, Goa, has also been working on the issue related to generation of state-specific resource material and various print media such as – posters, brochures, leaflets, etc. as a part of climate change awareness initiatives.

In addition, the DST&E is funding other educational institutions, local bodies, village clubs, organizations and NGOs' to sensitize stakeholders and general public on climate change, climate change related issues and environmental awareness.

Goa Energy Development Agency (GEDA) is propagating use of energy efficient devices, renewable energy sources through various schemes and subsidy related interventions.



## The issue of CC is being addressed by prioritizing following State-specific concerns / initiatives

- A. Coastal erosion and safeguarding eco-sensitive/fragile areas along the low-lying coastal belt of the State -.
- B. Eco-friendly alternatives in waste management – i.e. by composting/vermicomposting, Organic Waste Converter (OWC), etc.
- C. Sustainable utilization of natural resources – i.e. promotion of non-conventional and renewable energy resources such as solar gadgets – through Goa Energy Development Agency (GEDA) by promoting to subsidy pattern to beneficiaries.
- D. Utilization of energy-conserving devices such as use of solar devices, CFL bulbs, natural illumination techniques, Implementation of energy-audit programmes in educational institutions.
- E. Popularization of rainwater harvesting measures for effective groundwater recharge as well as domestic utility in post-monsoon season – a scheme by the Water Resource Department (WRD), Goa. The DST&E has funded educational institutions and Government organizations on rainwater harvesting project. The State has also enacted groundwater Regulation Act to prohibit excessive extraction of water, especially from coastal belt.
- F. Importance of sanitation and health hygiene, especially among rural populace.
- G. Promoting sustainable agricultural practices to optimally utilize available land and bring it under green cover.



## Methodology adopted

As a process to create awareness about the subject of CC, especially in educational institutions, the issue is being dealt with in the following manner

1. The basics of Climate Change – What, When and How?
2. Factors responsible for Climate Change?
3. Reason for its occurrence – Why? Are we responsible and How?
4. Scientific facts / myths about the Climate Change?
5. Can one stop/minimize/control the change hereafter?
6. If yes, in what way?
7. What is an individual's role to address the issue of Climate Change?
8. What is being done at International/National/State level?
9. Are there are measures to slow-down the process?
10. Possible Mitigation and Adaptation measures?
11. In what way our State will be affected?
12. And How we can tackle the issue now?





**THANK YOU.....**

***..Dev Borem Korun.***