



Factsheet Global Programme Climate Change India

The Global Programme Climate Change (GPCC) of the Swiss Agency for Development and Cooperation (SDC), a directorate of the Swiss Ministry of Foreign Affairs, is represented in India through the Climate Change and Development Division (CCD), Embassy of Switzerland, New Delhi. Since 2011, the cooperation between India and Switzerland focuses on global public goods of climate change with emphasis on co-benefits of reduced emissions and development. The main programmatic focus of the Swiss cooperation in India are:

- Supporting **climate resilient development** through adapting to climate change impacts ('managing the unavoidable')
- Supporting **low-carbon paths to development** ('avoiding the unmanageable')

The focus is on policy dialogue, innovation, and knowledge sharing on the topic of climate change. In order to do so, we build on capitalizing **science based knowledge and research experiences and connecting them** with practice and policy.

Adaptation

The **Climate Change Adaptation** programme supports promotion of adaptive capacities of vulnerable communities and their institutions, state-level stakeholders and the scientific community with a focus on semi-arid regions and the Himalayas. The key elements of the strategies towards **climate resilient development** are:

- Facilitating policy dialogue to integrate climate risks into development plans and strategies at State, Regional and National levels;
- Capacity building on climate science and adaptation planning and implementation;
- Sensitization of communities and local institutions on the climate change impacts;
- Promotion of vulnerability and capacity assessment for enhancing resilience at the local level;
- Testing, piloting, action research, and thematic studies in climate adaptation addressing food, water and ecosystems security, disaster risk reduction, climate insurance and diversified livelihoods.

Ongoing Adaptation Projects:

Indo-Swiss Collaboration in Glaciology and related areas through Indian Himalayas Climate Adaptation Programme *in partnership with Department of Science and Technology, Government of India*: The goal of the bi-lateral cooperation programme is that the resilience of the vulnerable communities in the Himalayas is strengthened and knowledge and capacities of national research institutions and adaptation planning and implementation at state level are connected and enhanced by facilitating policy dialogue between Himalayan States.

Indo-Swiss Collaboration in Biotechnology *in partnership with Department of Biotechnology, Government of India*: The bi-lateral cooperation programme aims at contributing towards enhancing food security through adoption of innovative life sciences and biotechnology approaches which results in supporting sustainable and climate resilient agriculture.

Partnership for Climate Change Adaptation in Semi-Arid regions *in partnership with Watershed Organisation Trust and National Bank for Agriculture and Rural Development*: The project aims at enhancing the capacities of the rural communities in village clusters of Maharashtra, Madhya Pradesh and Andhra Pradesh to adapt to climate change impacts.

Sustainable Civil Society Initiatives to address Global Environmental Challenges *in partnership with Development Alternatives*: The project aims at developing strategies for climate resilient development and mainstreaming of climate change concerns in the development plans and strategies for the Bundelkhand region of Madhya Pradesh.

Planned Projects :

Enhancing Climate Resilience through Risk Transfer *in partnership with Micro Insurance Academy and BASIS*: The project goal is to enhance climate resilience and promote adaptive capacities of vulnerable communities (in Bihar and Maharashtra) through development, testing and promotion of risk transfer options and solutions (climate insurance).



Energy

The **Energy Efficiency Programme** in India focuses on micro, small and medium enterprises (MSMEs) and high energy consuming buildings. In the case of MSMEs, SDC capitalizes on its long engagement in this sector to replicate and scale-up experiences of energy efficient technology development and diffusion. In the building sector, the programme focuses on mobilizing the Swiss know-how and making it available to Indian stakeholders to contribute to India's efforts at developing an energy efficient building sector. The **Renewable Energy Programme** builds on its earlier work on clean technology development in the area of biomass gasification and micro-hydro based power generation. The programme takes advantage of supporting a conducive policy environment and contributes to the development of policy and programmes to enhance the share of renewable energy in an equitable and sustainable manner to improve energy access.

Ongoing Energy Projects:

Indo-Swiss Programme on Building Energy Efficiency in partnership with Bureau of Energy Efficiency, Ministry of Power: The bi-lateral programme focuses on reducing energy consumption in new buildings (residential and public) and promoting best practices in designing and applying energy efficient measures.

Village Electrification through Sustainable use of Renewable Energy in partnership with National Thermal Power Corporation: The project objective is to ensure the sustainability of biomass based decentralized distributed generation and facilitate its emergence as a poverty reduction tool and as a harbinger of socio-economic development in rural India.

Accelerating Use of Biomass based Energy Systems for Clean Energy Services in partnership with The Energy and Resources Institute: The project goal is to accelerate the diffusion and adoption of biomass based energy systems (two-stage power gasifier and thermal gasifier) so that the consumers – rural communities and small-scale enterprises – secure access to clean energy services.

Policy Relevant Research for Development of Renewable Energy in partnership with Prayas Energy Group: The policy-research focused project aims towards contributing to an integrated and comprehensive enabling policy-regulatory framework for renewable energy development in India.

Planned projects :

Scaling up of Energy Efficient Technologies in Small Enterprises in partnership with The Energy and Resources Institute: The project aims at enhancing energy efficiency in the Micro, Small and Medium Enterprise (MSME) sector by providing directions and support to national and state level initiatives for the uptake of energy efficient technologies.

Promoting Alternative Cement Production in partnership with Ecole Polytechnique Fédérale de Lausanne, Universidad Central de las Villas Cuba and Indian Institute of Technology Delhi: The goal of the project is the introduction, proofing of the technology and promoting alternative cement production in the Indian cement sector.

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