



Project under National Adaptation Fund for Climate Change (NAFCC) of MoEFCC, GoI



Environmental Planning and Coordination Organization, Department of Environment,
GoMPParyavaranParisar, E-5, Arera Colony, Bhopal

INCREASING ADAPTIVE CAPACITY TO CLIMATE CHANGE THROUGH DEVELOPING CLIMATE-SMART VILLAGES IN SELECTED
VULNERABLE DISTRICTS OF MADHYA PRADESH

Project Name/Title: Increasing Adaptive Capacity to Climate Change through Developing Climate-Smart Villages in Selected Vulnerable Districts of Madhya Pradesh

Name of the Implementing Institution	<p>Additional Information on the contact details:</p> <p>Madhya Pradesh State Knowledge Management Centre on Climate Change (MP SKMCCC), EPCO, Department of Environment, GoMP ParyavaranParisar, E-5, Arera Colony Bhopal-462016, (MP) India Telephone : +91 7552466859 Email: epcoccc@gmail.com</p> <p>Project in-charge Mr.LokendraThakkar Coordinator MP SKMCCC Email: lokendrathakkar@gmail.com Phone No. +91 755 2970499, 2970299</p> <p>Start and close date: 4 years, August 2016 – August 2020</p> <p>Website: http://www.climatechange.mp.gov.in</p>
Name of the Executing Institution	<p>Additional Information on the contact details:</p> <p>Project in-charge Deputy Director Agriculture Department Distt.- Sehore, Satna and Rajgarh, Madhya Pradesh</p>
Details of Project	<p>● Project Cost- INR 24.87Crores</p> <p>● Project objectives-</p> <ul style="list-style-type: none">- Increasing Adaptive Capacity to Climate Change through CSV- Participatory implementation of various climate-smart interventions linking with NAPCC/SAPCC- Strengthen the capacity of farmers, PRIs and other stakeholders

	<ul style="list-style-type: none"> - Facilitate integration and the scaling-up/out the CSV model <p>● Project expected outputs/deliverables-</p> <p>Setting up climate-smart villages in different agro-ecologies of Madhya Pradesh that can facilitate sustainable increase in agricultural productivity and income while building resilience to current climatic variability and future climate change.</p>
<p>Project Relevance</p>	<p>This project aims to establish climate-smart villages in three districts of Madhya Pradesh. A mix of climatically relevant, location specific and science-led livelihood enhancing strategies will be used to develop climate smart villages.</p>
<p>Project Summary / Abstract</p>	<p>This project considers key dimensions of sustainable rural development under climate change and variability through adoption of drought tolerant seeds of field and fodder, agro-forestry, establishment of fodder banks; water conservation techniques; nutrient and energy management technologies; provision of climate information and services; alternative energy; weather based agriculture practices and capacity building in climate change adaptation.</p>
<p>Project methodology, work plan</p>	<p>The key sectoral intervention/ strategies for adapting to climate change are the focus of the project. Major Project Activities include processes like;</p> <p>Selection of project sites:Project sites were selected on the basis of the climate change vulnerability analysis report. Based on vulnerability total 60 villages (20 villages in each) from Sehore, Satna and Rajgarh were selected for the project.</p> <p>Target groups:Small and Marginal farmers</p> <p>Climate Smart Agriculture Practices:</p> <ul style="list-style-type: none"> ○ Seed and crop management <ul style="list-style-type: none"> ○ Sowing drought tolerant variety of field crops ○ Crop diversification with cultivation of drought tolerant fodder crop and Agro-forestry ○ Establish of Fodder bank at community level ○ Water Management <ul style="list-style-type: none"> ○ Construction of lined farm pond ○ Cultivation of crops on Broad bed furrow ○ Energy Management <ul style="list-style-type: none"> ○ Direct seeded rice cultivation ○ Alternate wetting and drying irrigation in rice field ○ Crop residue management ○ Nutrient Management <ul style="list-style-type: none"> ○ Site and crop specific nutrient management based on green-seekers (Leaf colour chart) ○ Promotion of zero tillage ○ Application of macro and Micro-nutrients in farmers field ○ Promotion of crop residue mulching/plastic mulching ○ ICT- Insurance <ul style="list-style-type: none"> ○ Establishment of Agro-advisory ○ Weather based crop Insurance ○ Two-way Information Exchange ○ Installation of Automated Weather Monitoring station ○ ICT based value-added weather advisory

	<ul style="list-style-type: none"> ○ Capacity Building / Knowledge Smart <ul style="list-style-type: none"> ○ Trainings including Gender based capacity building ○ Extension, Exchange experience, exposure trips for CSA ○ Activities to ensure insurance uptakes (financial literacy, extension towards insurance) <p>Convergence: The possibility of convergence with existing institutions and missions will be explored wherever feasible: Linking the climate smart villages with existing marketing structures like producer companies, cooperatives etc. Also converging with different Missions/Schemes with climate smart villages.</p>
Project Implementation results	<ul style="list-style-type: none"> ✓ Enhancing resilience of farmers towards any extreme events and shocks ✓ Improve soil health and increase nutrient and water use efficiency ✓ Reduce pressure on natural resources hence maintain the natural resource cycle. ✓ Integrating policies addressing climate change related issues
Project benefits	<p>The project does focus on building long term Climate Resilience with the adaptation led sectoral interventions to take the rural development through a low carbon development pathway as well as the Training and Capacity building of the rural communities to bring environmental awareness with reference to climate change that will play an essential role in long term benefits for the communities.</p>
Project long term climate benefits	<p>The long term benefits of developing climate smart villages will be in terms of having developed adaptation capacities in key sectors of Rural Development ; Water, Agriculture and Energy.</p>
Project Sustainability	<p>The project will provide the evidence base and act as role model for scaling-up and scaling-out climate smart village programme in Madhya Pradesh.</p>