

United Nations Development Programme – INDIA
CPAP 2008-2012
Annual Work Plan 2011 (January - December)



Project Title: **Removal of Barriers to Biomass Power Generation in India**

Award ID: 00043810

Project ID: 00051271

Project Start and End Date: 01.04.2007 to 31.03.2010 (extended upto 31.12.2012)

Corresponding CP Outcome(s): Progress towards Meeting National Commitment under Multilateral Environmental Agreements.

Corresponding CP Output(s): National Development Efforts with Co-benefits of Mitigating Climate Change

Project Results description as outlined in approved project brief:

Project outputs	Indicators	Baseline
Technology Package Benchmarking and Validation for different bio-mass power technologies	Review of state-of the-art technologies commercially available worldwide and Documentation of operating performance parameters including 'Good Practices' on various aspects of sub MW biomass power plants	Poor reliability and inadequate information of biomass power technologies, both captive and distributed and on projects available to the major stakeholders.
	Mapping of Biomass for power generation in different states	Non-availability of consistent and dependable data / estimates of surplus biomass for all geographic areas in different states
Enhanced Confidence of Project Promoters, Financial Institutions, Regulators, Policy Makers, SNAs, other Stakeholders through Effective Information Development & Dissemination Program	Review of Policy Framework currently in place for promotion of use of biomass for generation of power and Development of Generic Documents and Guidelines for different types / sub-sectors of biomass power	Wide variation in Policy & Regulatory environment and inadequate information on various aspects of BPP and bagasse cogeneration in sugar industries, to project developers and other key stakeholders
	Organizations of Business Meets & Workshops, Study Tours / Fellowships / participation in International Events for capacity building at national level and in targeted states	Inadequate information, orientation and technical skills available to the major stakeholders
Development of Institutional Framework	Development of Business, Commercial and Support Services Networks for creation of effective Institutional Framework in different states	Inadequate Institutional Framework at National, Regional and Local Levels for large scale multiplication of biomass power technology and projects

Creation of Fund for Contingent Financing	Short listing of specific FIs at National and focused state levels for Creation of Fund for Contingent Financing and Development of restructured financial models	Inadequate skills, experience and commitment to provide finance to biomass power projects
Model Investment Projects (MIPs)	Implementation of MIPs models for demonstration of biomass power technologies	Models for implementing BPP do not exist either for captive or distributed biomass resources
Project Management Unit	Project Staff in place	None

Project and AWP 2011 BUDGET:

UNDP funds	Government funds*	Total
5,650,000	5,240,000	USD 10,890,000 (for entire project duration)
15,08,950	-	USD 15,08,950 (for 2011)

*Mention donor between brackets

* 4,000,000 (GOI)

Project budget	Actual exp in 2007	Actual exp in 2008	Actual exp in 2009	Expected exp in 2010	Budget 2011	Budget 2012
5,650,000	594,870	1,073,330	367,566	-270,000	1,508,950	2,375,284

Agreed by (Implementing Partner): **Ministry of New and Renewable Energy**

Luigi
 गौरी सिंह / Gauri Singh
 संयुक्त सचिव / Joint Secretary
 नवीन और नवीकरणीय ऊर्जा मंत्रालय
 Min. of New and Renewable Energy
 भारत सरकार / Govt of India
 नई दिल्ली / New Delhi-110003

30.12.2012

Agreed by UNDP:

United Nations Development Programme

12/1/2011

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 CAITLIN WIESEN
 COUNTRY DIRECTOR

Project Targets for 2011 Remember to ensure that targets are 'SMART'	PLANNED ACTIVITIES Remember to add M&E activities and procurement activities, as applicable	Indicative month of completion	RESPONSIBLE PARTY (where possible)	Budget (USD)
Technology Improvements	<ul style="list-style-type: none"> Establishment of Test Centre and Regional Test Centres for Performance Evaluation, Benchmarking of Design and Equipment of sub MW biomass system. Development of MW capacity Biomass Gassifier system Study on Utilization of IC Engine Exhaust for Heating and / or Cooling 	Dec. 2011	PMC/MNRE	100,000
Increase Information and Knowledge	<ul style="list-style-type: none"> Preparation of Detailed Project Report for setting up MIPs. Resource and Risk Assessment studies for MIP's. Evaluation of Fuel Supply Networks for Machinery and Equipment Package for harvesting, collection, transportation, processing and storage of biomass / crop residues. Publication of BioEnergy Magazine 	Dec. 2011	PMC/MNRE	1,50,000
Capacity Building	<ul style="list-style-type: none"> Organization of 4-6 dissemination programmes (business meets / workshops) Study tours, fellowship trainings and participation in international events (two each) involving major stakeholders - Project Promoters, Financial Institutions, State Nodal Agencies, Technical Institutions, and Local Entrepreneurs / Self help Groups (SHGs) etc. 	Dec. 2011	PMC/MNRE	50,000
Business and Commercial Networks	<ul style="list-style-type: none"> Organisation of capacity building activities for selected institutions/farmers cooperative/entrepreneurs/Self help Groups (SHGs) for mainstreaming their activities for promotion of Fuel Supply Linkages. 	Dec. 2011	PMC/MNRE	20,000

Creation of Fund for Contingent Financing	Development of Financial Models for MIPs and finalisation of Financial Institutions for Operation of Funds for Contingent Financing.	Dec. 2011	PMC/MNRE	15,000
MIP's	Establishment of MIPs based on Fuel Supply Linkages, 1-2 MW Biomass Cogeneration/DDG, Grid Connected Biomass Power and Cogeneration in small capacity sugar mills.	Dec. 2011	PMC/MNRE	1000,000
Project Management				
Project Management Unit	<ul style="list-style-type: none"> • Two Technical Officers/Project Consultants each @ Rs. 50,000 pm • Technical /Project Assistant @ Rs. 25000 pm • Deployment of Support Staff • Misc PMU support activities 	Dec. 2011	PMC/MNRE	100,000
Communication, Audit, Monitoring and Evaluation	<ul style="list-style-type: none"> • UNDP cost for Communication and Advocacy Activities (1% of Annual Budget) • Travel, Project Monitoring and Capacity Building (2% of Annual Budget) 			43,950
AWP Grand Total in USD				15,08,950

Notes:

As decided in the 3rd meeting of PSC held on 14.12.2010, upto 25 % of the total investment support to be sanctioned for setting up MIPs towards innovative/critical imported components and/or mitigation of investment risk will be met out of GEF funds.