

United Nations Development Programme – INDIA
CPAP 2008-2012
Annual Work Plan 2010 (January - December)



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

Award ID: 00043810

Project ID: 00051271

Project Start and end date: 01.01.2010 to 31.03.2010 (to be extended upto 31.12.2010)

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 2010 BUDGET:

UNDP funds	Government funds	Donor funds*	Total
5,650,000	5,240,000	3,440,000 (Pvt. Sector)	USD 14,330,000 (for entire project duration)
1,545,000	-	-	USD 1,545,000 (for 2010)

*Mention donor between brackets

* **2,000,000 (GOI)**

Kobu

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

K.P. SUKUMARAN
Adviser
& National Project Director
UNDP/GEF Biomass Power Project
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Agreed by UNDP:

United Nations Development Programme

Bengt Messing
Bengt Messing
Deputy Country Director (Operations)

30 December 2009

Project Targets for 2010 <i>Remember to ensure that targets are 'SMART'</i>	PLANNED ACTIVITIES <i>Remember to add M&E activities and procurement activities, as applicable</i>	Indicative month of completion	RESPONSIBLE PARTY (where possible)	Budget (USD)
Technology Improvement	Performance Evaluation, Benchmarking of Design and Equipment of sub MW biomass system.	Sept. 2010	PMC/MNRE	50,000
	<ul style="list-style-type: none"> • Development of Agricultural Machinery / Equipment Package for harvesting, collection, transportation, processing and storage of biomass / crop residues. • Studies on Development of Fuel Supply Networks 	June 2010	PMC/MNRE	30,000
Increase Information and Knowledge	<ul style="list-style-type: none"> • Preparation of Techno – Economic Feasibility / Detailed Project Report for setting up MIPs • Preparation of Energy Purchase, Project Development Agreements; Fuel Supply Agreements; Package for Engineering Procurement and Constructions (EPC) Bid documents, risk assessment studies etc for MIPs • Publication of BioEnergy Magazine 	Dec. 2010	PMC/MNRE	1,50,000
Capacity Building	Organization of 4-6 dissemination programmes (business meets / workshops) and study tours, fellowship trainings and participation in international events(two each) involving major stakeholders - Project Promoters, Financial Institutions, State Nodal Agencies, Technical Institutions, Regulators / Policy Makers and Local Entrepreneurs / Self help Groups (SHGs) etc.	Dec. 2010	PMC/MNRE	1,50,000
Business and Commercial Networking	<p>Establishment of infrastructure – Biomass Depot / Farmer's Cooperative / Entrepreneurs for fuel supply linkages.</p> <p>Organisation of capacity building activities for selected institutions for mainstreaming their activities for promotion of this sector.</p>	Dec. 2010	PMC/MNRE	1,20,000

Creation of Fund for Contingent Financing	<ul style="list-style-type: none"> Finalisation of Financial Institutions for Operation of Fund for Contingent Financing and Development of Financial Models for MIPs Development of projects for selection of MIPs following project configurations / models suggested in the Project Document. 	Dec. 2010	PMC/MNRE	9,50,000
Project Management Unit	<p>Project Management</p> <ul style="list-style-type: none"> Deployment of Project Consultant & Support Staff, Misc PMU support activities Technical Consultant to PMC – M/s. MITCON Consultancy Services Ltd. <p>Monitoring and Evaluation</p> <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) 	Dec. 2010	PMC/MNRE	50,000
				45,000
Communication, M&E, Audit				45,000
AWP Grand Total in USD				15,45,000

Notes:

- Targets (derived from project outputs and indicators) are those which will be uploaded in the 2010 Development Workplan (ERBM) against relevant indicators/outputs which will remain the same as 2009. Pls refer to the 2009 Development work plan on ERBM.
- You can add as many targets as you want.
- Responsible parties may also include: contractors, consultants, institutions, etc.