

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



Project Title: **Achieving Reduction in GHG Emissions through Advanced Energy Efficiency Technology in Electric Motors**

Award ID: 00047661
 Project ID: 00057449

Project Start and end date: August 2008 & Aug 2011

Corresponding CP Outcome(s): Progress towards meeting the 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
1. Enabling Technology Centre (ETC) has been set up and is fully functional.	ETC is built and functioning Physical installation of plant and equipments (within one year post project launch)	No ETC exists Principal equipment is vertical die casting machine and associated dies / die inserts
2. CMR technology is assimilated and upgraded.	Successful results on pilot batches of cast copper rotors (at least two rotor sizes). (within 2 years post project launch) Successful alliance formed with at least two manufacturers (within two years of project launch)	In the absence of the high pressure copper die casting technology there is no commercial manufacture of copper die cast rotors in India Today manufacturers use Aluminium die cast rotors
3. Technology is transferred & commercialized	Arrange visits of motor manufacturers to ETC & demonstrate technical feasibility for copper die casting Signed technology transfer agreements (at least with two manufacturers) within three years of project launch)	No knowledge of copper die casting with Indian motor manufacturers Partner organisations indicated willingness to work jointly

	<p>project launch)</p> <p>At least 10 letters of enquiries from end users & OEM s, (within three years of project launch) as a result of market development programs & awareness building exercise</p> <p>At least one bank / financing agency launches a scheme to promote high efficiency motors / products (within three years of project launch)</p>	<p>At present there is no awareness about cast copper rotors</p> <p>Conventional financing arrangements will serve to a certain extent</p>
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Project and AWP 2011 BUDGET:

UNDP funds	Government funds	Donor funds*	Total
250000 USD (GEF)	0	0	USD 250000 (for entire project duration)
57500 USD (GEF)	0	0	USD 57500 (for 2011) (GEF)

*Mention donor between brackets

Project budget	Actual exp in 2008	Actual exp in 2009	Expected exp in 2010	Budget 2011	Budget 2012
250,000	47,690	74,850	69,960	57,500	0

FUND FLOW ARRANGEMENT:

The fund flow arrangement will continue as listed out in 2009 Annual Work Plan. The funds will be routed through separate Bank Account No.02392560000446 opened for this purpose in the name of "International Copper Promotion Council (India)" with HDFC Bank Limited, Powai Branch, Mumbai-400076.

Agreed by (Implementing Partner):



(SANDEEP GARG) 05-01-2011
NPD, BEE

Caitlin
24/1/2011

Caitlin Wiesen
Country Director

Agreed by UNDP:

Project Targets for 2011 <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)
Target 1 for 2011 <i>Successful die casting of copper rotors on 250 ton press</i>	Agreement with a motor manufacturer/rotor die caster company for manufacturing rotors for them	March 2011	ICPCI / NFTDC	500
Total				500
Target 2 for 2011 Successful alliance with at least two manufacturers	Organize seminars at two motor manufacture clusters in order to create awareness about the ETC	Jan, Feb 2011	ICPCI / NFTDC	5000
	Dissemination workshop	Feb 2011	ICPCI / NFTDC	10000
Total				15000
Target 3 for 2010 Bankable project report for technology transfer is made & contacts established with banks & financial institutions	Hire project consultant to prepare bankable project report	Jan 2011	ICPCI	5000
	Contacts with banks / financial institutions. Short list prospective bank/financial institution to launch the scheme for technology transfer	March 2011 Jun 2011	ICPCI/NFTDC	5000
	Terminal Evaluation	July 2011	UNDP	20000
	Project Management	July 2011	ICPCI	10000
Total				40000
ISS				
Communication, M&E, Audit				2000
AWP Grand Total in USD				57500