



**United Nations  
Environment  
Programme**

Distr.  
GENERAL

UNEP/OzL.Pro/ExCom/57/43  
26 February 2009

ORIGINAL: ENGLISH



EXECUTIVE COMMITTEE OF  
THE MULTILATERAL FUND FOR THE  
IMPLEMENTATION OF THE MONTREAL PROTOCOL  
Fifty-seventh Meeting  
Montreal, 30 March-3 April 2009

**PROJECT PROPOSAL: MALI**

This document consists of the comments and recommendation of the Fund Secretariat on the following project proposal:

Phase-out

- Terminal phase-out management plan for CFCs (second tranche)

UNDP/UNEP

**PROJECT EVALUATION SHEET – MULTI-YEAR PROJECTS**

**Mali**

<b>(I) PROJECT TITLE</b>	<b>AGENCY</b>
CFC phase out plan	UNDP, UNEP

<b>(II) LATEST ARTICLE 7 DATA (ODP Tonnes)</b>					<b>Year: 2007</b>
CFC: 11	CTC: 0	Halons: 0	MB: 0	TCA: 0	

<b>(III) LATEST COUNTRY PROGRAMME SECTORAL DATA (ODP Tonnes)</b>											<b>Year: 2007</b>		
Substances	Aerosol	Foam	Halon	Refrigeration		Solvent	Process Agent	MDI	Lab Use	Methyl Bromide		Tobacco fluffing	Total Sector Consumption
				Manufacturing	Servicing					QPS	Non QPS		
CFC					13								13
CTC													0
Halons													0
Methyl Bromide													0
Others													0
TCA													0

<b>(IV) PROJECT DATA</b>			<b>2007</b>	<b>2008</b>	<b>2009</b>	<b>2010</b>	<b>Total</b>
<b>Montreal Protocol Consumption Limits</b>		CFC	16.2	16.2	16.2	0.	
<b>Maximum Allowable Consumption (ODP Tonnes)</b>		CFC	16.2	16.2	16.2	0.	
<b>Project Costs (US\$)</b>	UNDP	Project Costs	172,000.		150,000.		322,000.
		Support Costs	12,900.		11,250.		24,150.
	UNEP	Project Costs	120,000.		78,000.		198,000.
		Support Costs	15,600.		10,140.		25,740.
<b>Total Funds Approved in Principle (US\$)</b>		Project Costs	292,000.		228,000.		520,000.
		Support Costs	28,500.		21,390.		49,890.
<b>Total Funds Released by the ExCom (US\$)</b>		Project Costs	292,000.		0.		292,000.
		Support Costs	28,500.		0.		28,500.
<b>Total Funds Requested for Current Year (US\$)</b>		Project Costs			228,000.		228,000.
		Support Costs			21,390.		21,390.

<b>(V) SECRETARIAT'S RECOMMENDATION:</b>	<b>Blanket approval</b>
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## **PROJECT DESCRIPTION**

1. On behalf of the Government of Mali, UNEP, as the lead implementing agency, has submitted a progress report on the implementation of the first work programme of the Mali terminal phase-out management plan for CFCs (TPMP) to the 57<sup>th</sup> Meeting of the Executive Committee. UNEP has also submitted a request for funding for the second tranche of the TPMP at a total cost of US \$78,000 plus agency support costs of US \$10,140 for UNEP, and US \$150,000 plus agency support costs of US \$11,250 for UNDP.

### **Background**

2. The TPMP for Mali was approved by the Executive Committee at its 53<sup>rd</sup> Meeting, to completely phase out CFC consumption in the country by 2009. Total funding of US \$520,000 plus agency support costs of US \$49,890 was approved in principle by the Executive Committee. At the same meeting, the Executive Committee approved US \$120,000 plus agency support costs of US \$15,600 for UNEP and US \$172,000 plus agency support costs of US \$12,900 for UNDP, for the implementation of the first tranche of the TPMP.

### Progress report on the implementation of the first tranche of the TPMP

3. Following the approval of the TPMP by the Executive Committee, a total of 179 refrigeration technicians and 27 custom officers have been or are in the process of being trained; five hydrocarbon charging stations and 40 service tool kits have been procured. Bidding for purchasing service equipment, tools and alternative refrigerants has been conducted and distribution is expected by April 2009. One service centre has been established at the Bamako training institute, and storage space for all recovered ODS has been made available at no cost to the project by the Government of Mali for a minimum of 4 years. About 200 refrigerant recovery units will be assembled in the country. A team of two local consultants has been hired to assist in the implementation of the activities proposed in the TPMP.

4. As of December 2008, of the US \$292,000 approved for the first tranche, US \$250,908 had been disbursed. An additional US \$41,092 will be disbursed by April 2009.

### Plan of action for the second tranche of the TPMP

5. The Government of Mali commits to implementing the following activities under the second work programme of the TPMP: further training programmes for customs officers and refrigeration service technicians; technical assistance to enhance in-country capacity to independently assemble and maintain recovery systems, to reinforce the capacity to store and recycle ODS, and to develop awareness and access to information; and monitoring and verification activities.

## **SECRETARIAT'S COMMENTS AND RECOMMENDATION**

### **COMMENTS**

6. The 2007 CFC consumption reported by the Government of Mali under Article 7 of the Montreal Protocol of 11.0 ODP tonnes was already 5.2 ODP tonnes below the 16.2 ODP tonnes allowed for that year. The CFC consumption in 2008 has been estimated at 8.1 ODP tonnes.

7. Responding to a question on the retrofit centres, UNEP indicated that these centres will be responsible for managing the equipment and alternative refrigerants being purchased; organizing training workshop on alternative refrigerants and the assembly of refrigerant recovery units; disseminating information on good practices and alternatives; and managing the end-users incentive programme. The

centres will receive a start-up payment to cover part-time costs of a technician, communication costs and management. The main incentive for the centres is the availability of the equipment provided for the training workshops.

8. UNEP also indicated that, through the incentive programme, technicians who convert domestic refrigeration systems to non-CFC refrigerants will receive a new compressor in exchange for the one replaced, upon presentation of verifiable information on the client who has benefited from this service. For the conversion of CFC-based cold rooms and larger refrigeration systems, technicians will receive equipment parts and/or non-CFC refrigerant up to a maximum value of 50 per cent of the cost of the parts of the equipment being replaced, as well as an equivalent quantity of alternative refrigerant as the one being replaced. Technicians will submit a duly completed form signed by the end-user which will be verified by the national consultant, validated by the refrigeration technicians' association, and approved by the Ozone Officer. It is expected that 550 domestic refrigerators, 30 MAC systems and 35 commercial refrigeration systems could be retrofitted through this programme.

9. Noting that training activities for customs officers and refrigeration technicians have been planned for the first quarter of 2009, the Secretariat sought an explanation of the additional training being proposed in the second tranche of the TPMP. UNEP reported that about 100 additional customs officers and 220 refrigeration additional technicians have been scheduled for training during the second phase of the programme.

10. In response to questions on whether the Government of Mali will be able to achieve the complete phase-out of CFCs by the end of 2009 and sustain that level of consumption through the activities proposed in the final tranche of the TPMP, UNEP and UNDP reported that the total phase-out of CFCs will be achieved in view of the current reduction trend in consumption and the technical and financial support to be provided during the second tranche of the TPMP.

11. Further to a suggestion to UNEP to consider advising the Government on undertaking preliminary actions to facilitate the phase-out of HCFCs in due time during the implementation of the final tranche of the TPMP, UNEP noted that it would be advisable for the country to concentrate now on achieving the complete phase-out of CFCs. It also indicated that this suggestion will be discussed in the next network meeting.

## RECOMMENDATION

12. The Secretariat recommends that the Executive Committee:

- (a) Takes note of the progress report on the implementation of the first tranche of the terminal phase-out management plan in Mali; and
- (b) Approves the 2009-2010 annual implementation programme associated with the second tranche.

13. The Secretariat further recommends blanket approval of the 2009-2010 plan associated with the second tranche of the TPMP for Mali, with associated support costs at the funding level shown in the table below:

	Project Title	Project Funding (US\$)	Support Cost (US\$)	Implementing Agency
(a)	Terminal phase-out management plan for CFCs (second tranche)	78,000	10,140	UNEP
(b)	Terminal phase-out management plan for CFCs (second tranche)	150,000	11,250	UNDP

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