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EXECUTIVE COMMITTEE OF
THE MULTILATERAL FUND FOR THE
IMPLEMENTATION OF THE MONTREAL PROTOCOL
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Ouagadougou, 6-8 December 2000

PROJECT PROPOSALS: MALI

This document consist of the comments and recommendations of the Fund Secretariat on the following project proposals:

Refrigeration:

- Implementation of the RMP: national programme for recovery and recycling of refrigerants UNDP
- Implementation of the RMP: monitoring the activities UNDP

**PROJECT EVALUATION SHEET
MALI**

SECTOR: Refrigeration ODS use in sector (1999): 93.96 ODP tonnes
RMP
Sub-sector cost-effectiveness thresholds: n/a

Project Titles:

- (a) Implementation of the RMP: national programme for recovery and recycling of refrigerants
(b) Implementation of the RMP: monitoring the activities

Project Data	RMP	
	(a)	(b)
Enterprise consumption (ODP tonnes)		
Project impact (ODP tonnes)	6.30	
Project duration (months)	36	36
Initial amount requested (US \$)	102,658	15,455
Final project cost (US \$):		
Incremental capital cost (a)	94,598	14,050
Contingency cost (b)	8,060	1,405
Incremental operating cost (c)		
Total project cost (a+b+c)	102,658	15,455
Local ownership (%)	100%	100%
Export component (%)	0%	0%
Amount requested (US \$)	102,658	15,455
Cost effectiveness (US \$/kg.)	16.29	
Counterpart funding confirmed?		
National coordinating agency	Ministere de l'Environnement et de l'eau	
Implementing agency	UNDP	UNDP

Secretariat's Recommendations		
Amount recommended (US \$)	102,658	15,455
Project impact (ODP tonnes)	6.30	
Cost effectiveness (US \$/kg)	16.29	
Implementing agency support cost (US \$)	13,346	2,009
Total cost to Multilateral Fund (US \$)	116,004	17,464

PROJECT DESCRIPTION

- (a) Implementation of the RMP: national programme for recovery and recycling of refrigerants
- (b) Implementation of the RMP: monitoring the activities

1. At its 29th Meeting, the Executive Committee approved the refrigeration management plan (RMP) project for Mali (UNEP/OzL.Pro/ExCom/29/64). The RMP identified two training programmes: (i) training for customs officers, to identify and develop techniques for collecting data on consumption of ODS import and ODS-based refrigeration equipment and a license/quota system for CFC imports; and (ii) a “train the trainers” programme for refrigeration technicians in good management practices, aimed at improving service practices to prevent release of CFCs into the atmosphere. The Committee allocated US \$130,980 to UNEP for its implementation.

2. The RMP also included a sub-project for the establishment of a refrigerant recovery and recycling network for implementation by UNDP. However, the Secretariat and UNDP agreed to defer the recovery and recycling project after ODS-related legislation was put into place in the country and the training programme for refrigeration service technicians was underway.

3. The Government of Mali has submitted a request for the establishment of a recovery and recycling network comprising 25 refrigerant recovery and 3 recycling units for servicing commercial and industrial refrigeration equipment, at a total cost of US \$102,650. This subproject also provides for two training workshops for service technicians to give practical demonstrations on recovery and recycling equipment.

4. Implementation of this project will lead to recovery and recycling of 6.3 tonnes of CFC each year. This amount would be additional to the amount of refrigerant which would be saved from the teaching of good service and maintenance practices at the training seminars.

5. The Ozone Unit will be responsible for the monitoring, co-ordination and implementation of proposed phase-out activities within the approved RMP. It will monitor the overall programme, distribute the recovery equipment and establish the recycling centers, monitor the amount of CFC recycled and redistribute the equipment as necessary. The project also includes a request in the amount of US \$15,455 for engaging a local consultant to collect data from all the service workshops that are included in the recovery and recycling project.

SECRETARIAT’S COMMENTS AND RECOMMENDATIONS

COMMENTS

1. The Fund Secretariat sought clarification from UNDP on whether the Government of Mali was made aware of the commitments, responsibilities and financial implications associated with decision 31/48 (i.e., 50 per cent reduction of CFC baseline by 2005 and 85 per cent reduction by 2007; that all refrigeration sub-sectors have been carefully assessed; and that a system for monitoring and reporting on progress for delivering the phase out targets has been

established). UNDP informed the Secretariat that the recovery/recycling project submitted to the 32nd Meeting should have been presented together with the RMP approved at the 29th Meeting. Work on the proposal started in early 2000 (i.e. before the adoption of decision 31/48). UNDP, however, has had discussions with the Government of Mali on the implications of decision 31/48, and as a result has included in its 2001 Business Plan a request for a complementary project in the end-user sector (in light of decision 31/48).

2. Upon a request by the Secretariat regarding the responsibilities of the implementing agencies in the overall implementation of the RMP, UNDP indicated that, as bound by its agreement with the Committee, it will facilitate compliance with the provisions of the Montreal Protocol by Article 5 countries, through execution of the projects within the RMP project. ODS phaseout resulting from legislative measures and through implementation of activities stipulated in the RMP, are the final responsibility of the countries.

RECOMMENDATION

1. The Fund Secretariat recommends blanket approval of the projects at the funding level indicated below:

	Project Title	Project Funding (US\$)	Support Cost (US\$)	Implementing Agency
(a)	Implementation of the RMP: national programme for recovery and recycling of refrigerants	102,658	13,346	UNDP
(b)	Implementation of the RMP: monitoring the activities	15,455	2,009	UNDP