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EXECUTIVE COMMITTEE OF
THE MULTILATERAL FUND FOR THE
IMPLEMENTATION OF THE MONTREAL PROTOCOL
Forty first Meeting
Montreal, 17 -19 December 2003

PROJECT PROPOSALS: BURUNDI

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

Refrigeration:

- Implementation of the refrigerant management plan: supplementary training and spares to the national programme for recovery and recycling of refrigerants UNDP
- Implementation of the refrigerant management plan: phase II of customs training UNEP
- Implementation of the refrigerant management plan: Phase II of training refrigeration technicians UNEP
- Implementation of the refrigerant management plan: monitoring the activities UNDP

**PROJECT EVALUATION SHEET
BURUNDI**

SECTOR: Refrigeration ODS use in sector (2002): 19.1 ODP tonnes

Sub-sector cost-effectiveness thresholds: n/a

Project Titles:

- (a) Implementation of the refrigerant management plan: supplementary training and spares to the national programme for recovery and recycling of refrigerants
- (b) Implementation of the refrigerant management plan: phase II of customs training
- (c) Implementation of the refrigerant management plan: Phase II of training refrigeration technicians
- (d) Implementation of the refrigerant management plan: monitoring the activities

| Project Data | Refrigerant management plan | | | |
|-------------------------------------|-----------------------------|-----------------------------|---------------|---------------|
| | (a) | (b) | (c) | (d) |
| Enterprise consumption (ODP tonnes) | | | | |
| Project impact (ODP tonnes) | | | | |
| Project duration (months) | 36 | 12 | 18 | 36 |
| Initial amount requested (US \$) | 32,500 | 30,000 | 22,500 | 20,000 |
| Final project cost (US \$): | | | | |
| Incremental capital cost (a) | | | | |
| Contingency cost (b) | | | | |
| Incremental operating cost (c) | | | | |
| Total project cost (a+b+c) | 32,500 | 30,000 | 22,500 | 20,000 |
| Local ownership (%) | 100% | 100% | 100% | 100% |
| Export component (%) | 0% | 0% | 0% | 0% |
| Amount requested (US \$) | 32,500 | 30,000 | 22,500 | 20,000 |
| Cost effectiveness (US \$/kg.) | | | | |
| Counterpart funding confirmed? | | | | |
| National coordinating agency | | Ministry of the Environment | | |
| Implementing agency | UNDP | UNEP | UNEP | UNDP |

| Secretariat's Recommendations | | | | |
|--|--------|--------|--------|--------|
| Amount recommended (US \$) | 32,500 | 30,000 | 22,500 | 20,000 |
| Project impact (ODP tonnes) | | | | |
| Cost effectiveness (US \$/kg) | | | | |
| Implementing agency support cost (US \$) | 2,925 | 3,900 | 2,925 | 1,800 |
| Total cost to Multilateral Fund (US \$) | 35,425 | 33,900 | 25,425 | 21,800 |

PROJECT DESCRIPTION

Servicing Sector

1. In 2002, the total CFC consumption in Burundi was estimated at 19.1 ODP tonnes, used for servicing refrigeration equipment. The CFC baseline for Burundi is 59.0 ODP tonnes.
2. There are over 50 formal (larger) workshops in the country and an unspecified number of smaller ones. These workshops carry out maintenance and repair of domestic, commercial and industrial refrigeration equipment and air conditioning units
3. The current prices of refrigerants per kg are: US \$9.00 for CFC-12, US \$24.00 for HFC-134a and US \$11.00 for HCFC-22.

ODS Regulations

4. The Government of Burundi has introduced Ministerial Orders to control ODS consumption. An ODS licensing system is in operation.

Refrigerant Management Plan (RMP)

5. The Burundi RMP was approved at the 26th Meeting of the Executive Committee. Twenty selected customs officers attended training courses. Others were informed about regulations related to ODS phase-out, ODS identification and record-keeping. ODS identification kits were distributed to the major customs entry points in the country.
6. Fifty selected technicians have attended a refrigeration training programme; through them, refrigeration service technicians were trained in good service and maintenance practices, and the correct handling of non-CFC refrigerants.
7. A recovery and recycling network comprising 22 recovery units and 3 recycling centres for servicing commercial and industrial refrigeration equipment has been established. Hands-on training was provided to 63 service technicians on practical recovery and recycling operations.

RMP Update

8. The RMP update has been submitted in accordance with the provisos of Decision 31/48 and subsequent decisions on RMP proposals. It includes a request for procurement of spare parts and service tools as a complement of the original recovery and recycling project, to assist technicians in performing repairs in a proper manner.
9. The RMP update also includes proposals for additional training for custom officers to enhance the monitoring of ODS and ODS-based equipment at entry points, and training for service technicians in conservation of refrigeration equipment, adequate maintenance and installation of refrigeration systems, recovery and recycling of refrigerants, and assessment of the feasibility for retrofitting equipment to non-CFC.

10. The co-ordination and monitoring of the activities proposed in the RMP update will be undertaken by the Ministry of the Environment through the Ozone Unit. This entity will, among others, check all the equipment that was supplied under the recovery and recycling project and make sure that the required spare parts are properly installed in that equipment. The total cost of the RMP update is US \$105,000.

11. The Burundi RMP project was submitted with a letter from the Government of Burundi stating the Government's commitment to achieve, without further request for funding, at least the 50 per cent reduction in consumption of CFC by 2005 and an the 85 per cent reduction by 2007.

SECRETARIAT'S COMMENTS AND RECOMMENDATION

COMMENTS

12. The Secretariat has noted that the 2002 CFC consumption in Burundi is less than 19.1 ODP tonnes, which is some 10 ODP tonnes below Burundi's 2005 compliance level.

13. It is reported in the RMP project proposal, that "the need for a RMP-update stems from the strategy to continue to contain, recover and recycle refrigerant, making provision for the critical stocks for the service tail through internal conservation techniques as well as external suppliers, if necessary". The Secretariat suggested that, within the available level of funding, UNDP examines the merits of providing more resources for purchasing service tools for the technicians in Burundi and less on international consultants and logistics. The Secretariat was informed that the Government of Burundi is of the opinion that the activities proposed in the RMP update project, as submitted, are necessary to ensure success of the RMP. However, UNDP agreed to reduce costs associated with the international consultant and logistical arrangements for workshops and proportionally increased the funding for service tools.

RECOMMENDATION

14. The Fund Secretariat recommends blanket approval of the projects with associated support costs at the funding level shown in the table below:

| | Project Titles | Project Funding (US\$) | Support Cost (US\$) | Implementing Agency |
|-----|---|------------------------|---------------------|---------------------|
| (a) | Implementation of the refrigerant management plan: supplementary training and spares to the national programme for recovery and recycling of refrigerants | 32,500 | 2,925 | UNDP |
| (b) | Implementation of the refrigerant management plan: phase II of customs training | 30,000 | 3,900 | UNEP |
| (c) | Implementation of the refrigerant management plan: Phase II of training refrigeration technicians | 22,500 | 2,925 | UNEP |
| (d) | Implementation of the refrigerant management plan: monitoring the activities | 20,000 | 1,800 | UNDP |
