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Executive Committee of
the Multilateral Fund for the
Implementation of the Montreal Protocol

Nineteenth Meeting
Montreal, 8-10 May 1996

BILATERAL COOPERATION

PROJECT PROPOSAL MOROCCO

Project Title:

Project Preparation for the formulation of a project to implement a recycling network for CFC-11, CFC-12 and HCFC-22 (US \$20,000)

PROJECT DESCRIPTION

1. The objectives of this proposal will be to assess the technical, technological and financial situation of all industries in an effort to develop a recycling network for Morocco.

SECRETARIAT'S COMMENTS AND RECOMMENDATIONS

COMMENTS

1. Caisse Française de Développement has received an official request from the Government of Morocco for the preparation of a project which will lead to the implementation of a recycling network for CFC-11, CFC-12 and HCFC-22 in Morocco.
2. This request is consistent with Morocco's country programme submitted for approval to this meeting. It does not conflict with other proposals submitted for approval by implementing agencies.

RECOMMENDATIONS

1. The proposal meets the guidelines of the Executive Committee and is recommended for approval in the amount requested, US \$20,000.
2. The Treasurer should offset US \$20,000 against the Government of France's 1996 contributions to the Fund.

PROJECT PROPOSAL SENEGAL

Project title:

Project preparation for projects in the hotel and fisheries industries and recycling (US \$10,000)

PROJECT DESCRIPTION

1. This project preparation proposal considers the possibility of projects in the hotel and fisheries industries and a recycling programme for Senegal.

COMMENTS

1. Caisse Française de Développement has received an official request from the Government of Senegal for the preparation of projects which will lead to conversion from ODS use in the hotel and fisheries industries.

2. This request is consistent with Senegal's country programme, which was approved by the Executive Committee at its 11th Meeting.

RECOMMENDATIONS

1. The proposal meets the guidelines of the Executive Committee and is recommended for approval in the amount requested, US \$10,000.

2. The Treasurer should offset US \$10,000 against the Government of France's 1996 contributions to the Fund.

PROJECT EVALUATION SHEET **ARGENTINA**

SECTOR: Refrigeration and related PUR Foam ODS use in sector (1994): 1,792 metric tonnes

Sub-sector cost-effectiveness thresholds: Commercial US \$15.21/kg.
Domestic US \$13.76/kg

Project Title:

Provision of technical assistance and training on safe designs of hydrocarbon based domestic and commercial refrigeration appliances and of PUR foam installations at factory level, Phase I - Pilot scheme

Project Data		
		Technical assistance
ODS phase-out (ODP tonnes)		N/A
Proposed project duration		6 months
Incremental capital cost (US\$)		242,600
Contingency (%)		N/A
Incremental operational cost (US\$)		-
Total project cost (US\$)		242,600
Local ownership (%)		-
Export component (%)		-
Amount requested (US\$)	{Original	242,600
	{Revised	242,600
Cost effectiveness (US\$/kg)		N/A
National Coordinating Agency		OPROZ (Ozone Programme Office) - National Institute of Industrial Technology (INTI)
Implementing Agency		Swiss Development Cooperation on behalf of the Government of Switzerland
Technical review completed?		N/A

<i>Secretariat's Recommendations</i>	
Amount recommended (US \$)	242,600
Project impact (ODP tonnes)	N/A
Cost effectiveness (US \$/kg)	N/A
Implementing Agency support cost (US\$)	N/A
Total cost to Multilateral Fund	242,600

PROJECT DESCRIPTION

Provision of technical assistance and training on safe designs of hydrocarbon based domestic and commercial refrigeration appliances and of PUR foam installations at factory level, Phase I - Pilot scheme (US \$242,600). This phase will be followed by Phase II and Phase III.

1. This project's objectives are to provide technical assistance and training for the implementation of pilot projects which contribute to the initiation of conversion to hydrocarbon technology in the sector. These pilot projects involve the safe and cost effective design of domestic and commercial refrigeration appliances and adoption of safety standards for PUR foam blowing installations on cyclopentane basis under Argentinean conditions.

2. Phase I is structured in a pilot scheme and a training/workshop module with the following objectives:

- (a) to implement a pilot conversion of one selected refrigerator model to isobutane, with an emphasis on safe designs;
- (b) to conduct a first stage of a comparative study on application of safety standards in cyclopentane based PUR foam conversion: relevant European and Argentinean safety standards shall be identified and comparatively assessed.
- (c) to prepare specific training manuals based on practical experience addressed to manufacturers regarding the safe conversion of appliances designs and PUR foam installations to hydrocarbons;
- (d) to train manufacturers in adopting the guidelines provided by the manuals in two workshops, to disseminate information and contribute to institutional strengthening;
- (e) to identify feasible government policy support options in implementing safety codes for cyclopentane installations in a cost effective manner.

3. Phases II and III, which are not requested in the current proposal would contribute to strengthening the national institutions in charge of project implementation and to provide technical assistance in safe conversion to hydrocarbon technology as needed on a sectoral basis.

SECRETARIAT'S COMMENTS AND RECOMMENDATIONS

COMMENTS

1. The Executive Committee approved ten projects in the domestic refrigeration and one project in the commercial refrigeration sub-sectors in Argentina in which the hydrocarbon technology was chosen either alone or in combination with HFC-134a to be the replacement technology. An additional project in the domestic refrigeration sub-sector is being submitted to the Nineteenth Meeting.
2. Three of the projects approved at the Eighteenth Meeting made reference to obtaining technical assistance through this bilateral proposal. Due to the late submission of the bilateral request, it could not be considered together with these three projects.
3. In one approved project and in the project being submitted to this meeting, the costs due to the bilateral technical assistance were quantified but not included in the budgets of the two projects.
4. The Secretariat had detailed discussions with the Government of Switzerland on whether there was double counting and on how the bilateral request would benefit the approved projects and the conversion of the remaining small users in the domestic and commercial refrigeration sub-sectors.
5. Both the Governments of Switzerland and Argentina, in their responses, insured that there was no double counting.
6. The implementation of Phase I will be achieved in six months, and will be evaluated before submitting Phase II.
7. The Government of Argentina envisages that a final strategy for conversion of all the remaining companies in the two sub-sectors is scheduled to be submitted jointly with Phase II in October 1996.

RECOMMENDATION

1. The proposal meets the guidelines of the Executive Committee and is recommended for approval in the amount requested, US \$242,600.
2. The Treasurer should offset US \$242,600 against the Government of Switzerland's 1996 contributions to the Fund.