



**United Nations
Environment
Programme**

Distr.
LIMITED

UNEP/OzL.Pro/ExCom/34/43
20 June 2001



ORIGINAL: ENGLISH

EXECUTIVE COMMITTEE OF
THE MULTILATERAL FUND FOR THE
IMPLEMENTATION OF THE MONTREAL PROTOCOL
Thirty-fourth Meeting
Montreal, 18-20 July 2001

PROJECT PROPOSALS: QATAR

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

Refrigeration:

- Implementation of the RMP: monitoring and evaluation of project results in particular the recovery and recycling UNIDO
- Implementation of the RMP: national recovery and recycling project UNIDO
- Implementation of the RMP: training of trainers and technicians training in good refrigerant management practices UNIDO
- Implementation of the RMP: training of customs and NOU in monitoring and control of ODS UNIDO

PROJECT EVALUATION SHEET QATAR

SECTOR: Refrigeration ODS use in sector (2000): 85.8 ODP tonnes

Sub-sector cost-effectiveness thresholds: n/a

Project Titles:

- (a) Implementation of the RMP: monitoring and evaluation of project results in particular the recovery and recycling
- (b) Implementation of the RMP: national recovery and recycling project
- (c) Implementation of the RMP: training of trainers and technicians training in good refrigerant management practices
- (d) Implementation of the RMP: training of customs and NOU in monitoring and control of ODS

Project Data	Refrigerant management plan			
	Monitoring	R&R	RMP	Customs training
Enterprise consumption (ODP tonnes)		85.80		
Project impact (ODP tonnes)		13.00		
Project duration (months)	36	24	24	24
Initial amount requested (US \$)	20,000	262,900	105,000	46,000
Final project cost (US \$):				
Incremental capital cost (a)		257,000		
Contingency cost (b)		38,000		
Incremental operating cost (c)				
Total project cost (a+b+c)	20,000	295,000	105,000	50,000
Local ownership (%)	100%	100%	100%	100%
Export component (%)	0%	0%	0%	0%
Amount requested (US \$)	20,000	295,000	105,000	50,000
Cost effectiveness (US \$/kg.)		22.69		
Counterpart funding confirmed?				
National coordinating agency	National Ozone Unit			
Implementing agency	UNIDO			

Secretariat's Recommendations				
Amount recommended (US \$)	20,000	295,000	105,000	50,000
Project impact (ODP tonnes)		13.00		
Cost effectiveness (US \$/kg)		22.69		
Implementing agency support cost (US \$)	2,600	38,350	13,650	6,500
Total cost to Multilateral Fund (US \$)	22,600	333,350	118,650	56,500

PROJECT DESCRIPTION

Implementation of the RMP: monitoring and evaluation of project results in particular the recovery and recycling

Implementation of the RMP: national recovery and recycling project

Implementation of the RMP: training of trainers and technicians training in good refrigerant management practices

Implementation of the RMP: training of customs and NOU in monitoring and control of ODS

1. Through a survey on the refrigeration sector conducted in 1997, the total CFC consumption in the refrigeration servicing sector in the country was estimated at 154.2 ODP tonnes for servicing domestic refrigerators, commercial and industrial refrigeration equipment and MAC units. In 2000, the consumption of CFCs was reduced to 103.3 ODP tonnes because Hamad Medical Corporation has begun converting its air-conditioning equipment to operate on HFC-134a (existing refrigeration equipment is being recharged with CFC-12 recovered from equipment that has been decommissioned), an oil company (QGPC) has begun to change over to non-CFC refrigerants, and the number of cars with CFC-12 MAC units has reduced and the new cars are based on HFC-134a refrigerant. The price of CFC-12 is US \$2.84/kg and the price of HFC-134a is US \$12.19/kg).

2. All refrigeration and air conditioning systems are imported into the country and serviced by 500 technicians. Industrial refrigeration equipment and large service organisations have well trained technicians while domestic refrigerators and small commercial equipment are serviced by technicians working in small workshops.

3. The Government of Qatar is proposing the following measures to phase-out the use of ODSs: prohibit imports of CFC-based refrigeration equipment; prohibit installation of new enterprises producing and/or assembling equipment, foams, or aerosols using ODS; establish import quotas for ODSs into the existing licensing system; and prohibit venting of CFCs into the atmosphere.

4. The RMP project for Qatar includes a "train the trainers" programme in good service practice for refrigeration technicians, a training programme for customs and staff of the Ozone Unit in monitoring and control of ODS, a refrigerant recovery and recycling programme and additional activities to be determined after monitoring and assessing the impact of the activities included in the RMP. The total cost of the RMP project was estimated at US \$620,850.

5. The Qatar RMP project was submitted with an official letter from the Secretary General of the Supreme Council for the Environment and Natural Resources, stating the Government's commitment to achieve the 50 per cent reduction in consumption of CFCs by 2005 and 85 per cent reduction by 2007, the current and expected future CFC consumption of all sub-sectors have been carefully assessed, and that it will review in 2005 whether or not further assistance would be needed for the post 2007 period over and above the funding level of the RMP.

6. The Ozone Unit will co-ordinate all the sub-projects included in the RMP project.

SECRETARIAT'S COMMENTS AND RECOMMENDATIONS

COMMENTS

7. The Fund Secretariat and UNIDO discussed the level of funding for the Qatar RMP project in light of Decision 31/48 (i.e., the level of funding for a new RMP could be increased up to 50 per cent of the total project cost compared to the level of funding typically approved for other RMPs). Based on the level of funding approved for a number of RMPs projects in Article 5 countries, and taking into consideration that most of the CFC consumption is in the capital city, the total funding level for the Qatar RMP was agreed at US \$470,000, including a sub-project for the monitoring implementation of the RMP.

RECOMMENDATIONS

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

	Project Title	Project Funding (US\$)	Support Cost (US\$)	Implementing Agency
(a)	Implementation of the RMP: monitoring and evaluation of project results in particular the recovery and recycling	20,000	2,600	UNIDO
(b)	Implementation of the RMP: national recovery and recycling project	295,000	38,350	UNIDO
(c)	Implementation of the RMP: training of trainers and technicians training in good refrigerant management practices	105,000	13,650	UNIDO
(d)	Implementation of the RMP: training of customs and NOU in monitoring and control of ODS	50,000	6,500	UNIDO

9. The Executive Committee may also wish to request UNIDO not to disburse the approved funds for the recovery and recycling project until the price of CFC-12 is at least at US \$4.00/kg.
