



**United Nations  
Environment  
Programme**

Distr.  
GENERAL

UNEP/OzL.Pro/ExCom/70/29  
6 June 2013

ORIGINAL: ENGLISH



EXECUTIVE COMMITTEE OF  
THE MULTILATERAL FUND FOR THE  
IMPLEMENTATION OF THE MONTREAL PROTOCOL  
Seventieth Meeting  
Bangkok, 1-5 July 2013

**PROJECT PROPOSAL: COMOROS (THE)**

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

Phase-out

- HCFC phase-out management plan (stage I, second tranche)

UNEP

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

**Comoros (The)**

<b>(I) PROJECT TITLE</b>	<b>AGENCY</b>
HPMP (stage I)	UNEP

<b>(II) LATEST ARTICLE 7 DATA</b>	Year: 2012	0.11(ODP tonnes)
-----------------------------------	------------	------------------

<b>(III) LATEST COUNTRY PROGRAMME SECTORAL DATA (ODP tonnes)</b>								<b>Year: 2011</b>	
Chemical	Aerosol	Foam	Fire fighting	Refrigeration		Solvent	Process agent	Lab Use	Total sector consumption
				Manufacturing	Servicing				
HCFC-123									
HCFC-124									
HCFC-141b									
HCFC-142b									
HCFC-22					0.12				0.12

<b>(IV) CONSUMPTION DATA (ODP tonnes)</b>			
2009 - 2010 baseline:	0.1	Starting point for sustained aggregate reductions:	0.14
<b>CONSUMPTION ELIGIBLE FOR FUNDING (ODP tonnes)</b>			
Already approved:	0.05	Remaining:	0.09

<b>(V) BUSINESS PLAN</b>		2013	2014	2015	2016	2017	2018	2019	2020	Total
UNEP	ODS phase-out (ODP tonnes)	0.01			0.01		0.01		0.01	0.04
	Funding (US \$)	39,550	0	0	39,550	0	33,900	0	18,080	131,080

<b>(VI) PROJECT DATA</b>			2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Total
Montreal Protocol consumption limits			n/a	n/a	0.14	0.14	0.13	0.13	0.13	0.13	0.13	0.09	n/a
Maximum allowable consumption (ODP tonnes)			n/a	n/a	0.14	0.14	0.13	0.13	0.13	0.13	0.13	0.09	n/a
Agreed Funding (US\$)	UNEP	Project costs	44,000	0	35,000	0	0	35,000	0	30,000	0	16,000	160,000
		Support costs	5,720	0	4,550	0	0	4,550	0	3,900	0	2,080	20,800
Funds approved by ExCom (US\$)	UNEP	Project Costs	44,000	0	0	0	0	0	0	0	0	0	44,000
		Support Costs	5,720	0	0	0	0	0	0	0	0	0	5,720
Total funds requested for approval at this meeting (US\$)	UNEP	Project Costs	0	0	35,000	0	0	0	0	0	0	0	35,000
		Support Costs	0	0	4,550	0	0	0	0	0	0	0	4,550

<b>Secretariat's recommendation:</b>	Blanket approval
--------------------------------------	------------------

## **PROJECT DESCRIPTION**

1. On behalf of the Government of Comoros (the) UNEP, as the designated implementing agency, has submitted to the 70<sup>th</sup> meeting of the Executive Committee a request for funding for the second tranche of stage I of the HCFC phase-out management plan (HPMP) at a total cost of US \$35,000, plus agency support costs of US \$4,550 for UNEP. The submission includes a progress report on the implementation of the first tranche of the HPMP, and annual implementation plans for 2013 to 2016.

### Background

2. The HPMP for Comoros (the) was approved by the Executive Committee at its 64<sup>th</sup> meeting to reduce HCFC consumption by 35 per cent of the baseline by 2020, at a total funding level approved in principle of US \$160,000, plus agency support costs of US \$20,800 for UNEP. Also at its 64<sup>th</sup> meeting, the Executive Committee approved the first tranche of stage I of the HPMP, at the amount of US \$44,000, plus agency support costs of US \$5,720 for UNEP.

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

3. The licensing and quota system has been established for all ODS, including HCFCs. The Government has amended the legislation to include the accelerated phase-out schedule for HCFCs as per decision XIX/6, and a quota system for HCFCs has been introduced. A license is therefore required for the import of HCFCs.

4. The following activities have been implemented in the refrigeration and air-conditioning servicing sector: 15 customs officers (from the three different islands of Comoros (the)) have been trained on the identification and control of HCFCs and HCFC-based equipment, and two ODS identifiers have been distributed to main ports of entry. Sixty technicians have been trained in good service practices including safety handling of hydrocarbon refrigerants and a code of conduct has been adopted by the Association of Refrigeration Technicians, which has also been involved in the training and certification of technicians. Furthermore, vocational training institutions and a few large repair workshops have been identified across the country to serve as referral centres for the training of technicians and also management of some set of equipment for the technicians in the regions. The project management and monitoring unit has become operational.

5. As of May 2013, of the US \$44,000 approved for the first tranche, US \$38,090 had been disbursed or committed. The balance of US \$5,910 will be disbursed in 2013.

### Annual plans for the second tranche of the HPMP

6. The main activities to be implemented during the second tranche of stage I of the HPMP include: further training of 45 customs and other law enforcement agents (US \$10,000); additional training of 40 refrigeration service technicians, including recovery and recycling of HCFCs and conversion of domestic air-conditioning (US \$20,000); and monitoring and evaluation of activities in the HPMP (US \$5,000).

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

### **COMMENTS**

#### Operational license system

7. In line with decision 63/17, and as required under the Agreement between the Government of Comoros (the) and the Executive Committee, confirmation has been received from the Government that an enforceable national system of licensing and quotas for HCFC imports and exports is in place and that

the system is capable of ensuring compliance with the Montreal Protocol HCFC phase-out schedule for the duration of the Agreement. An import quota of 0.14 ODP tonnes (2.6 mt) has been issued for 2013.

HCFC consumption

8. The HCFC baseline for compliance has been established at 0.1 ODP tonnes, based on the actual consumption reported under Article 7 of the Montreal Protocol for 2009 and 2010 as shown in Table 1. The established baseline is equal to that in the Agreement between the Government of Comoros (the) and the Executive Committee; therefore, no adjustments to the Agreement are required. HCFC consumption decreased from 0.14 ODP tonnes (2.50 mt) in 2009 to 0.11 ODP tonnes (1.98 mt) in 2012.

**Table.1 Consumption of HCFC-22 in Comoros (the) (2006-2012 Article 7)**

HCFC-22	2006	2007	2008	2009	2010	2011	2012	Baseline**
Metric tonnes	1.03	2.10	2.30	2.50	2.46	2.10	1.98	2.48
ODP tonnes	0.06	0.12	0.13	0.14	0.14	0.12	0.11	0.14

(\*) The HCFC baseline for compliance is 0.1 ODP tonnes (based on one decimal digit).

9. Upon a request for additional information on hydrocarbon-based refrigerants, UNEP explained that there are no reports available on the current use of hydrocarbon-based refrigerants and there are also no regulations on their use in the country. However the National Ozone Unit noticed the presence of some hydrocarbon-based equipment and the use of propane (liquified petroleum gas used for cooking) for servicing refrigeration systems. UNEP also indicated that issues related to barriers for the introduction of alternative technologies and refrigerants (including other aspects related to the equipment, such as energy efficiency) during implementation of the HPMP will be discussed at the network meeting of ozone officers in Africa.

10. The Secretariat notes that the consumption of HCFC-22 has been progressively reducing since 2009 and that an import licensing and quota system is operational and will enable consumption reductions in line with the Montreal Protocol's phase-out schedule. The activities in the servicing sector have been developed with the participation of key stakeholders. As reported by UNEP, strengthening the collaboration with the main refrigeration training school and introducing an ozone module on identification and control of ODS in the curricula of the main customs training school will ensure the long-term sustainability of the activities proposed in stage I of the HPMP.

**RECOMMENDATION**

11. The Fund Secretariat recommends that the Executive Committee takes note of the progress report on the implementation of the first tranche of stage I of the HCFC phase-out management plan (HPMP) in Comoros (the), and further recommends blanket approval of the second tranche of stage I of the HPMP for Comoros (the), and the corresponding tranche implementation plan, with associated support costs at the funding level shown in the table below:

	Project Title	Project Funding (US \$)	Support Cost (US \$)	Implementing Agency
(a)	HCFC phase-out management plan (stage I, second tranche)	35,000	4,550	UNEP

-----