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EXECUTIVE COMMITTEE OF
THE MULTILATERAL FUND FOR THE
IMPLEMENTATION OF THE MONTREAL PROTOCOL
Eighty-third Meeting
Montreal, 27– 31 May 2019

OVERVIEW OF ISSUES IDENTIFIED DURING PROJECT REVIEW

1. This document consists of the following sections:
 - (a) An overview of projects and activities submitted by bilateral and implementing agencies;
 - (b) Issues identified during the project review process;
 - (c) Projects and activities submitted for blanket approval; and
 - (d) Investment projects for individual consideration.

Projects and activities submitted by bilateral and implementing agencies

2. Bilateral and implementing agencies submitted 101 funding requests for tranches of approved multi-year agreements, projects and activities amounting to US \$96,021,850 (US \$148,331,866 including amounts requested in principle), including agency support costs, where applicable. The funding requests covered:

- (a) Stage II of the HCFC production phase-out management plan (HPPMP) for one country (to be considered by the Sub-group on the Production Sector);
- (b) Tranches of approved HCFC phase-out management plans (HPMPs) for 19 countries;
- (c) An investment project to phase out HCFC-142b/HCFC-22 in the extruded polystyrene (XPS) foam sector in one country;
- (d) Renewals of institutional strengthening (IS) projects in 28 countries;
- (e) Preparation for stage II of HPMPs for nine countries and for stage III for four countries;
- (f) Control and phase-out of HFC-23 emissions in the production of HCFC-22 in one country (to be considered under agenda item 12(c));¹

¹ Key aspects related to HFC-23 by-product control technologies (decision 82/85).

- (g) An HFC-related investment project for one country;
- (h) Project preparation for HFC-related investment projects in three countries; and
- (i) Enabling activities for HFC phase-down for one country.

3. Following the project review process, 72 projects and activities totalling US \$8,576,869, including agency support costs, are recommended for blanket approval, and 16 projects and activities totalling US \$59,492,567 (including agency support costs), of which US \$31,619,787 is for the third tranches of the XPS foam, industrial and commercial refrigeration (ICR), solvents and refrigeration servicing sector² plans of stage II of the HPMP for China and US \$25,138,537 for the first tranche of stage II of the HPPMP for China, are being forwarded for individual consideration. Together, the projects for blanket approval and those for individual consideration amount to US \$68,069,436.

4. The project for enabling activities for HFC phase-down for one country (Syrian Arab Republic) is recommended for blanket approval and will be funded under the additional contributions.

HPMPs submitted and subsequently withdrawn (Islamic Republic of Iran, Pakistan, Serbia)

5. UNDP, on behalf of the Islamic Republic of Iran, submitted the request for the second tranche of stage II of the HPMP. Upon review of the proposal by the Secretariat and subsequent discussion with UNDP, the request could not be submitted for consideration by the Executive Committee as UNDP was unable to submit a report on the results of the conversion of the first 15 enterprises in the refrigeration and air-conditioning manufacturing sector to low-global-warming-potential alternatives, highlighting the lessons learned and challenges faced (decision 77/44(d)), and as UNIDO was unable to justify the incremental cost of several changes that would take place in the foam sector plan. The tranche request is expected to be submitted to the 84th meeting.

6. In line with decision 76/39(f),³ UNIDO had submitted a project for the conversion of an XPS foam enterprise (Symbol Industry) to dimethyl ether (DME), CO₂, and HFO in Pakistan. The total cost of the project as submitted was US \$871,527, plus support costs of US \$61,007 for UNIDO; with a cost effectiveness of US \$11.36/kg.⁴ Despite exhaustive discussions, UNIDO and the Secretariat could not reach an agreement on the overall cost of the project by the deadline for project negotiation. The Secretariat subsequently requested that this project be resubmitted to the 84th meeting. The Secretariat further noted that deferring the submission of this project would not affect the compliance of the Government of Pakistan with Montreal Protocol obligations, as the Government had already agreed to reduce HCFC consumption by 50 per cent of its baseline by 2020 through the activities included in stages I and II of the HPMP, which did not include the conversion in the XPS foam sector.

7. UNIDO, on behalf of the Government of Serbia, submitted a project for the elimination of R-404A in the manufacturing of industrial freezing tunnels in the enterprise Eko Elektrofrigo. Subsequent to a discussion, the project was withdrawn as it did not appear to meet the criteria listed in decisions 78/3(g) and 79/45. In particular, the application appeared to be in the assembly sub-sector, rather than the manufacturing sector, and the replicability of the technology was limited. Noting that to date no stand-alone HFC projects have been submitted from the Europe and Central Asia region, and that geographic distribution is included amongst the criteria for consideration of HFC stand-alone projects specified in

² The request also includes the Government of Germany's component of the fourth tranche for the refrigeration and air-conditioning servicing sector plan and the enabling programme.

³ The Executive Committee decided to note that during the implementation of stage II of the HPMP, the Government of Pakistan could submit an investment project to phase out the use of HCFC-142b in the extruded polystyrene foam manufacturing sector on the condition that the country's baseline consumption was revised to include HCFC-142b and approved by the Meeting of the Parties to the Montreal Protocol.

⁴ The cost-effectiveness threshold established for the XPS foam sector is US \$10.27/kg.

decision 79/45, the Secretariat suggested that UNIDO consider submitting another project from that region to the 84th meeting that meets the criteria of decision 78/3(g) and decision 79/45.

IS renewal requests

8. The Secretariat reviewed the terminal reports and requests for extension of IS funding for 28 countries against relevant decisions, including decision 74/51(c) on the funding level for IS projects, and decision 74/51(e) on the requirement to include specific performance indicators for planned activities. All requests were cross-checked against: previous IS reports; progress reports on the implementation of country programmes (CP); data reported under Article 7 of the Montreal Protocol; the latest reports on the implementation of HPMPs; bilateral and implementing agencies' progress reports submitted to the 82nd meeting; and relevant decisions on compliance adopted by the Parties to the Montreal Protocol. All countries had 2017 CP implementation data, and 18 countries had submitted the 2018 data as at issuance of the present document. All countries reported that they had achieved all or a majority of the targets set for the specific performance indicators that are part of the progress report for the previous IS phase. The Secretariat recommended all IS projects submitted to the 83rd meeting for blanket approval.

Funding withheld pending submission of verification reports or meeting specific conditions

9. No approved funds are currently being withheld by the Treasurer pending submission of a verification report or meeting a specific condition.

Summary of prices of the controlled substances and alternatives

10. At the 79th meeting,⁵ the Executive Committee requested the Secretariat to include in this document a summary of the prices of the controlled substances and the alternatives to be phased in, as communicated by enterprises requesting funding in any new project proposal, including clarification of any differences between those and the prices reported in the CP data report. No new investment projects are being presented for consideration at the 83rd meeting.

Issues identified during project review

11. No new policy issues for the attention of the Committee were identified during the review of projects submitted for consideration at the 83rd meeting.

Projects and activities submitted for blanket approval

Verification reports of low-volume-consuming (LVC) countries' compliance with their HPMP agreements

12. In line with decision 61/46(c),⁶ the Secretariat selected a sample of 17 countries for the purpose of verifying compliance with the HPMP agreement, as shown in Table 1. One of the criteria used to select the countries for verification was the proximity of the next tranche of their HPMP (between 2020 and 2021) and, where possible, not having been previously selected for verification (this included several Pacific Island Countries). However, noting the limited number of Article 5 countries classified as LVC countries that have not been previously selected to undertake verification, there may be some countries on this list where funding for verification was already provided in the past. In considering these, the Secretariat used additional criteria for selection: that their previous verification should have been approved more than four years ago and was completed, in addition to the criteria of geographic distribution, level of consumption,

⁵ Decision 79/4(c).

⁶ The Secretariat was requested to provide, at the first meeting of each year, a list representing 20 per cent of countries with an HCFC consumption baseline of up to 360 metric tonnes (mt), and with an approved HPMP, to approve funding for them for the purposes of verification of that country's compliance with the HPMP agreement for that year.

and distribution among bilateral and implementing agencies. The countries selected (four in Africa, nine in Asia, two in Europe, and two in Latin America and the Caribbean) are listed below.

Table 1. Sample of Article 5 countries for verification of compliance with their HPMP agreement

No.	Country	HCFC baseline (mt)	Lead/cooperating agency	Next tranche request
1	Angola (stage II)	290.0	UNDP	2021
2	Armenia (stage II)	126.7	UNDP	2020
3	Burkina Faso	525.1	UNEP	2020
4	Cambodia	272.2	UNEP	2020
5	Cook Islands	0.9	UNEP	2020
6	Guatemala	143.8	UNIDO	2020
7	Honduras	344.6	UNIDO	2020
8	Kiribati	1.0	UNEP	2020
9	Lesotho	62.7	Germany	2020
10	Marshall Islands	4.0	UNEP	2020
11	Micronesia (Federated States of)	2.6	UNEP	2020
12	Montenegro	39.0	UNIDO	2020
13	Nauru	0.2	UNEP	2020
14	Niue	0.2	UNEP	2020
15	South Sudan	75.0	UNEP	2019 (from 2018) / 2020
16	Tuvalu	1.6	UNEP	2020
17	Vanuatu	5.1	UNEP	2020

Secretariat's recommendation

13. The Executive Committee may wish to request relevant bilateral and implementing agencies to include in their amendments to their respective work programmes, due for submission to the 84th meeting, funding, in the amount of US \$30,000, plus agency support costs, for verification reports for stage I of the HPMPs for Burkina Faso, Cambodia, Cook Islands, Guatemala, Honduras, Kiribati, Lesotho, Marshall Islands, Micronesia (Federated States of), Montenegro, Nauru, Niue, South Sudan, Tuvalu and Vanuatu, and for verification reports for stage II of the HPMPs for Angola and Armenia.

14. Annex I to the present document lists 72 projects and activities totalling US \$8,576,869, including agency support costs, that are recommended for blanket approval. The approval of these projects would include the relevant conditions or provisions in the corresponding project evaluation sheets, as well as the approval of implementation programmes associated with the relevant tranches of multi-year projects.

Investment projects for individual consideration

15. Sixteen projects/activities totalling US \$59,492,567, including agency support costs, of which US \$31,619,787, including agency support costs, is for the third tranches of the XPS foam, ICR, solvents and refrigeration servicing sector⁷ plans of stage II of the HPMP for China, and US \$25,138,537, including agency support costs, for the first tranche of stage II of the HPPMP for China (US \$109,769,643 including amount requested in principle, of which US \$75,415,613 is for the HPPMP for China), after the review by the Secretariat, are proposed for individual consideration.

16. To facilitate the Executive Committee's consideration of the investment projects for individual consideration, the Secretariat has classified the projects by sector, and has grouped them according to the issues, as shown in Table 2.

⁷ The request also includes the Government of Germany's component of the fourth tranche for the refrigeration and air-conditioning servicing sector plan and enabling programme.

Table 2. Investment projects submitted for individual consideration

Country	Project	Agency	ExCom document number	Issue
Tranche request of stage I, stage II HPMP				
China	HCFC phase-out management plan (stage I, annual progress reports) Room Air-Conditioning	UNIDO	83/22	Proposed scheme to allocate IOCs
China (Overarching)	HCFC phase-out management plan (stage II)	UNDP/UNEP/ UNIDO/World Bank/Germany/ Japan	83/22	Revision of the Agreement (decision 81/45)
China (XPS foam)	HCFC phase-out management plan (stage II, third tranche)	UNIDO/ Germany	83/22	Tranche above 5 million. All technical and cost issues resolved
China (ICR)	HCFC phase-out management plan (stage II, third tranche)	UNDP	83/22	Tranche above 5 million. All technical and cost issues resolved
China (Servicing)	HCFC phase-out management plan (stage II, third tranche)	UNEP/Japan/ Germany	83/22	All technical and cost issues resolved
China (Solvent)	HCFC phase-out management plan (stage II, third tranche)	UNDP	83/22	All technical and cost issues resolved
Kuwait	HCFC phase-out management plan (stage I, third tranche)	UNEP and UNIDO	83/29	Extension of stage I and revision of Agreement. All technical and cost issues resolved
Morocco	HCFC phase-out management plan (stage I, third tranche)	UNIDO	83/32	Extension of stage I and revision of Agreement. All technical and cost issues resolved

List of projects and activities recommended for blanket approval

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Annex I

Project Title	Agency	ODP/Metric (tonnes)*	Funds recommended (US\$)			C.E. (US\$/kg)
			Project	Support	Total	
AFGHANISTAN						
SEVERAL						
Ozone unit support						
Extension of institutional strengthening project (phase IX: 1/2020-12/2021)	UNEP		\$192,000	\$0	\$192,000	
Total for Afghanistan			\$192,000		\$192,000	
ARMENIA						
PHASE-OUT PLAN						
HCFC phase out plan						
HCFC phase-out management plan (stage II, second tranche)	UNEP	1.3	\$51,400	\$6,682	\$58,082	
Total for Armenia			\$51,400	\$6,682	\$58,082	
BANGLADESH						
SEVERAL						
Ozone unit support						
Renewal of the institutional strengthening project (phase IX: 7/2019-6/2021)	UNDP		\$166,400	\$11,648	\$178,048	
Total for Bangladesh			\$166,400	\$11,648	\$178,048	
BHUTAN						
SEVERAL						
Ozone unit support						
Extension of institutional strengthening project (phase VIII: 12/2019-11/2021)	UNEP		\$85,000	\$0	\$85,000	
Total for Bhutan			\$85,000		\$85,000	
BOTSWANA						
PHASE-OUT PLAN						
HCFC phase out plan						
Preparation of a HCFC phase-out management plan (stage II)	UNIDO		\$15,000	\$1,050	\$16,050	
Preparation of a HCFC phase-out management plan (stage II)	UNEP		\$25,000	\$3,250	\$28,250	
Total for Botswana			\$40,000	\$4,300	\$44,300	

* HCFC in ODP tonnes. HFC in metric tonnes

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Project Title	Agency	ODP/Metric (tonnes)*	Funds recommended (US\$)			C.E. (US\$/kg)
			Project	Support	Total	
BURKINA FASO						
SEVERAL						
Ozone unit support						
Extension of the institutional strengthening project (phase XIII: 7/2019-6/2021)	UNEP		\$92,685	\$0	\$92,685	
Total for Burkina Faso			\$92,685		\$92,685	
CAMBODIA						
PHASE-OUT PLAN						
HCFC phase out plan						
HCFC phase-out management plan (fourth tranche) <i>Approved on the understanding that Cambodia had consumption in the servicing sector only; and that the end-user incentive programme would enhance the sustainability of the training of servicing technicians and that end users would provide co-financing to participate in the programme.</i>	UNEP		\$100,000	\$13,000	\$113,000	
HCFC phase-out management plan (fourth tranche) <i>Approved on the understanding that Cambodia had consumption in the servicing sector only; and that the end-user incentive programme would enhance the sustainability of the training of servicing technicians and that end users would provide co-financing to participate in the programme.</i>	UNDP		\$150,000	\$11,250	\$161,250	
SEVERAL						
Ozone unit support						
Extension of institutional strengthening project (phase X:1/2020-12/2021)	UNEP		\$144,214	\$0	\$144,214	
Total for Cambodia			\$394,214	\$24,250	\$418,464	
CHILE						
SEVERAL						
Ozone unit support						
Extension of the institutional strengthening project (phase XIII: 7/2019-6/2021)	UNDP		\$238,784	\$16,715	\$255,499	
Total for Chile			\$238,784	\$16,715	\$255,499	
COLOMBIA						
SEVERAL						
Ozone unit support						
Extension of institutional strengthening project (phase XII: 11/2019-10/2021)	UNDP		\$352,768	\$24,694	\$377,462	
Total for Colombia			\$352,768	\$24,694	\$377,462	

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Project Title	Agency	ODP/Metric (tonnes)*	Funds recommended (US\$)			C.E. (US\$/kg)
			Project	Support	Total	
COMOROS						
PHASE-OUT PLAN						
HCFC phase out plan						
HCFC phase-out management plan (stage I, fourth tranche)	UNEP		\$30,000	\$3,900	\$33,900	
Total for Comoros			\$30,000	\$3,900	\$33,900	
CONGO, DR						
SEVERAL						
Ozone unit support						
Extension of the institutional strengthening project (phase IX: 6/2019-5/2021)	UNEP		\$85,000	\$0	\$85,000	
Total for Congo, DR			\$85,000		\$85,000	
COSTA RICA						
PHASE-OUT PLAN						
HCFC phase out plan						
HCFC phase-out management plan (stage I, fifth tranche)	UNDP	3.5	\$56,000	\$4,200	\$60,200	
<i>The Government and UNDP were requested to submit a progress report at the 85th meeting on the implementation of the work programme associated with the final tranche and the project completion report to the first meeting of the Executive Committee in 2022.</i>						
Total for Costa Rica			3.5	\$56,000	\$4,200	\$60,200
COTE D'IVOIRE						
SEVERAL						
Ozone unit support						
Extension of the institutional strengthening project (phase IX: 6/2019-5/2021)	UNEP		\$136,115	\$0	\$136,115	
Total for Cote D'Ivoire			\$136,115		\$136,115	
CUBA						
SEVERAL						
Ozone unit support						
Extension of institutional strengthening project (phase XI: 7/2019-6/2021)	UNDP		\$190,804	\$13,356	\$204,160	
Total for Cuba			\$190,804	\$13,356	\$204,160	

List of projects and activities recommended for blanket approval

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Project Title	Agency	ODP/Metric (tonnes)*	Funds recommended (US\$)			C.E. (US\$/kg)
			Project	Support	Total	
DJIBOUTI						
PHASE-OUT PLAN						
HCFC phase out plan						
HCFC phase-out management plan (stage I, third tranche)	UNEP	0.2	\$44,000	\$5,720	\$49,720	
<i>Approved on the understanding that UNEP would include as part of the progress report on the implementation of the third tranche of the HPMP, an update on progress toward implementing the recommendations in the verification report submitted to the 83rd meeting, which included: training of Customs officers on the implementation of national and sub regional regulations on ODS imports and distribution; making available training modules on the use of HCFC alternatives to vocational schools; and additional refrigerant identifiers would be requested under stage II of the HPMP.</i>						
Total for Djibouti		0.2	\$44,000	\$5,720	\$49,720	
DOMINICAN REPUBLIC						
PHASE-OUT PLAN						
HCFC phase out plan						
Preparation of a HCFC phase-out management plan (stage III)	UNDP		\$60,000	\$4,200	\$64,200	
Total for Dominican Republic			\$60,000	\$4,200	\$64,200	
ECUADOR						
SEVERAL						
Ozone unit support						
Extension of institutional strengthening project (phase VII: 7/2019-6/2021)	UNEP		\$226,305	\$0	\$226,305	
Total for Ecuador			\$226,305		\$226,305	
ESWATINI						
PHASE-OUT PLAN						
HCFC phase out plan						
Preparation of a HCFC phase-out management plan (stage II)	UNDP		\$10,000	\$700	\$10,700	
Preparation of a HCFC phase-out management plan (stage II)	UNEP		\$20,000	\$2,600	\$22,600	
HCFC phase-out management plan (stage I, fourth tranche)	UNEP	0.4	\$30,000	\$3,900	\$33,900	
<i>The Government, UNEP and UNDP were requested to submit a progress report on the implementation of the work programme associated with the final tranche to the first meeting in 2021 and the project completion report to the second meeting of the Executive Committee in 2022.</i>						

List of projects and activities recommended for blanket approval

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Project Title	Agency	ODP/Metric (tonnes)*	Funds recommended (US\$)			C.E. (US\$/kg)
			Project	Support	Total	
SEVERAL						
Ozone unit support						
Extension of institutional strengthening project (phase VI: 7/2019-6/2021)	UNEP		\$85,000	\$0	\$85,000	
	Total for Eswatini	0.4	\$145,000	\$7,200	\$152,200	
GABON						
PHASE-OUT PLAN						
HCFC phase out plan						
HCFC phase-out management plan (stage I, fourth tranche)	UNEP	5.7	\$50,000	\$6,500	\$56,500	
	Total for Gabon	5.7	\$50,000	\$6,500	\$56,500	
GAMBIA						
SEVERAL						
Ozone unit support						
Extension of the institutional strengthening project (phase X: 7/2019-6/2021)	UNEP		\$85,000	\$0	\$85,000	
	Total for Gambia		\$85,000		\$85,000	
GUINEA-BISSAU						
SEVERAL						
Ozone unit support						
Extension of the institutional strengthening project (phase VI: 6/2019-5/2021)	UNEP		\$85,000	\$0	\$85,000	
	Total for Guinea-Bissau		\$85,000		\$85,000	
GUYANA						
PHASE-OUT PLAN						
HCFC phase out plan						
HCFC phase-out management plan (stage II, second tranche)	UNDP	0.2	\$66,750	\$4,673	\$71,423	
<i>Approved on the understanding that UNEP will include an update on progress towards implementing the recommendations in the verification report submitted to the 83rd meeting, including the process of calculating and allocating annual import quotas; and addressing the shortcomings of the TRIPS statistical software in providing detailed ODS consumption data when submitting the request for the third tranche of the HPMP.</i>						

List of projects and activities recommended for blanket approval

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Project Title	Agency	ODP/Metric (tonnes)*	Funds recommended (US\$)			C.E. (US\$/kg)
			Project	Support	Total	
HCFC phase-out management plan (stage II, second tranche)	UNEP	0.2	\$65,500	\$8,515	\$74,015	
<i>Approved on the understanding that UNEP will include an update on progress towards implementing the recommendations in the verification report submitted to the 83rd meeting, including the process of calculating and allocating annual import quotas; and addressing the shortcomings of the TRIPS statistical software in providing detailed ODS consumption data when submitting the request for the third tranche of the HPMP.</i>						
Total for Guyana		0.4	\$132,250	\$13,188	\$145,438	
HONDURAS						
SEVERAL						
Ozone unit support						
Extension of the institutional strengthening project (phase IX: 7/2019-6/2021)	UNEP		\$85,000	\$0	\$85,000	
Total for Honduras			\$85,000		\$85,000	
KIRIBATI						
SEVERAL						
Ozone unit support						
Renewal of institutional strengthening project (phase VII: 10/2019-9/2021)	UNEP		\$85,000	\$0	\$85,000	
Total for Kiribati			\$85,000		\$85,000	
LIBERIA						
SEVERAL						
Ozone unit support						
Extension of the institutional strengthening project (phase VIII: 11/2019-10/2021)	UNEP		\$109,073	\$0	\$109,073	
Total for Liberia			\$109,073		\$109,073	
MALI						
PHASE-OUT PLAN						
HCFC phase out plan						
HCFC phase-out management plan (stage I, fourth tranche)	UNEP	1.8	\$52,000	\$6,760	\$58,760	
<i>Approved on the understanding that if Mali were to decide to proceed with retrofits and associated servicing to flammable and toxic refrigerants in refrigeration and air-conditioning equipment originally designed for non-flammable substances, it would do so assuming all associated responsibilities and risks and only in accordance with the relevant standards and protocols.</i>						
Total for Mali		1.8	\$52,000	\$6,760	\$58,760	

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Project Title	Agency	ODP/Metric (tonnes)*	Funds recommended (US\$)			C.E. (US\$/kg)
			Project	Support	Total	
MEXICO						
PRODUCTION						
Preparation of project proposal						
Project preparation for the control of HFC-23 by-product emissions in the HCFC production sector	UNIDO		\$45,000	\$3,150	\$48,150	
Total for Mexico			\$45,000	\$3,150	\$48,150	
MONGOLIA						
SEVERAL						
Ozone unit support						
Renewal of the institutional strengthening project (phase XI: 1/2020-12/2021)	UNEP		\$85,000	\$0	\$85,000	
Total for Mongolia			\$85,000		\$85,000	
MONTENEGRO						
PHASE-OUT PLAN						
HCFC phase out plan						
HCFC phase-out management plan (stage I, fourth tranche)	UNIDO	0.2	\$30,000	\$2,250	\$32,250	
Total for Montenegro			0.2	\$30,000	\$2,250	\$32,250
MOZAMBIQUE						
PHASE-OUT PLAN						
HCFC phase out plan						
HCFC phase-out management plan (stage I, third and fourth tranches)	UNIDO	1.2	\$85,000	\$7,650	\$92,650	
<i>Noted that the Agreement between the Government and the Executive Committee had been updated based on decisions XXVI/14 and decision 73/61 that revised the HCFC baseline for compliance and the starting point for sustained aggregate reduction in HCFC consumption to 8.69 ODP tonnes and the level of funding for stage I of the HPMP for Mozambique to US\$332,500, plus agency support costs of US \$36,825, in accordance with decision 60/44(f)(xii). Approved on the understanding that Mozambique had consumption in the servicing sector only; and that the end-user incentive programme would enhance the sustainability of the training of servicing technicians and that end-users would provide co-financing to participate in the programme.</i>						

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Project Title	Agency	ODP/Metric (tonnes)*	Funds recommended (US\$)			C.E. (US\$/kg)
			Project	Support	Total	
HCFC phase-out management plan (stage I, third and fourth tranches)	UNEP	1.6	\$67,500	\$8,775	\$76,275	
<i>Noted that the Agreement between the Government and the Executive Committee had been updated based on decisions XXVI/14 and decision 73/61 that revised the HCFC baseline for compliance and the starting point for sustained aggregate reduction in HCFC consumption to 8.69 ODP tonnes and the level of funding for stage I of the HPMP for Mozambique to US\$332,500, plus agency support costs of US \$36,825, in accordance with decision 60/44(f)(xii). Approved on the understanding that Mozambique had consumption in the servicing sector only; and that the end-user incentive programme would enhance the sustainability of the training of servicing technicians and that end-users would provide co-financing to participate in the programme.</i>						
Total for Mozambique		2.7	\$152,500	\$16,425	\$168,925	
MYANMAR						
PHASE-OUT PLAN						
HCFC phase out plan						
Preparation of a HCFC phase-out management plan (stage II)	UNEP		\$20,000	\$2,600	\$22,600	
Preparation of a HCFC phase-out management plan (stage II)	UNIDO		\$10,000	\$700	\$10,700	
Total for Myanmar			\$30,000	\$3,300	\$33,300	
NICARAGUA						
PHASE-OUT PLAN						
HCFC phase out plan						
Preparation of a HCFC phase-out management plan (stage II)	UNIDO		\$10,000	\$700	\$10,700	
Preparation of a HCFC phase-out management plan (stage II)	UNEP		\$20,000	\$2,600	\$22,600	
Total for Nicaragua			\$30,000	\$3,300	\$33,300	
NIGERIA						
PHASE-OUT PLAN						
HCFC phase out plan						
Preparation of a HCFC phase-out management plan (stage III)	UNDP		\$22,500	\$1,575	\$24,075	
Preparation of a HCFC phase-out management plan (stage III)	UNIDO		\$72,500	\$5,075	\$77,575	
Total for Nigeria			\$95,000	\$6,650	\$101,650	

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Project Title	Agency	ODP/Metric (tonnes)*	Funds recommended (US\$)			C.E. (US\$/kg)
			Project	Support	Total	
PAKISTAN						
PHASE-OUT PLAN						
HCFC phase out plan						
HCFC phase-out management plan (stage II, second tranche) (refrigeration servicing sector)	UNEP	2.4	\$200,000	\$25,976	\$225,976	
<i>Noted that the Agreement between the Government and the Executive Committee had been updated to reflect the country's baseline of 248.11 ODP tonnes as reported under Article 7 of the Montreal Protocol.</i>						
HCFC phase-out management plan (stage II, second tranche) (project management unit)	UNIDO		\$294,500	\$20,615	\$315,115	
<i>Noted that the Agreement between the Government and the Executive Committee had been updated to reflect the country's baseline of 248.11 ODP tonnes as reported under Article 7 of the Montreal Protocol.</i>						
HCFC phase-out management plan (stage II, second tranche) (polyurethane foam sector)	UNIDO		\$570,352	\$39,925	\$610,277	
<i>Noted that the Agreement between the Government and the Executive Committee had been updated to reflect the country's baseline of 248.11 ODP tonnes as reported under Article 7 of the Montreal Protocol.</i>						
HCFC phase-out management plan (stage II, second tranche) (domestic air-conditioning sector)	UNIDO	6.9	\$1,115,000	\$78,050	\$1,193,050	
<i>Noted that the Agreement between the Government and the Executive Committee had been updated to reflect the country's baseline of 248.11 ODP tonnes as reported under Article 7 of the Montreal Protocol.</i>						
Total for Pakistan		9.4	\$2,179,852	\$164,566	\$2,344,418	
PALAU						
SEVERAL						
Ozone unit support						
Renewal of institutional strengthening project (phase VIII: 12/2019-11/2021)	UNEP		\$85,000	\$0	\$85,000	
Total for Palau			\$85,000		\$85,000	
PANAMA						
PHASE-OUT PLAN						
HCFC phase out plan						
Preparation of a HCFC phase-out management plan (stage III)	UNDP		\$60,000	\$4,200	\$64,200	
Total for Panama			\$60,000	\$4,200	\$64,200	

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			Project	Support	Total	
PHILIPPINES						
SEVERAL						
Ozone unit support						
Extension of institutional strengthening project (phase XII: 1/2020-12/2021)	UNEP		\$231,850	\$0	\$231,850	
Total for Philippines			\$231,850		\$231,850	
SAMOA						
SEVERAL						
Ozone unit support						
Extension of institutional strengthening project (phase X: 11/2019-10/2021)	UNEP		\$85,000	\$0	\$85,000	
Total for Samoa			\$85,000		\$85,000	
SIERRA LEONE						
PHASE-OUT PLAN						
HCFC phase out plan						
HCFC phase-out management plan (stage I, fourth tranche)	UNEP		\$21,000	\$2,730	\$23,730	
<i>Approved on the understanding that UNEP would include, as part of the progress report on the implementation of the fourth tranche of the HPMP, an update on progress towards development of an electronic system to enhance efficiency of monitoring the licensing system and an online system for importer registration and application of import allocation and licenses; and that additional refrigerant identifiers would be requested under stage II of the HPMP.</i>						
Total for Sierra Leone			\$21,000	\$2,730	\$23,730	
SOLOMON ISLANDS						
SEVERAL						
Ozone unit support						
Renewal of institutional strengthening project (phase VIII: 12/2019-11/2021)	UNEP		\$85,000	\$0	\$85,000	
Total for Solomon Islands			\$85,000		\$85,000	
SOMALIA						
SEVERAL						
Ozone unit support						
Extension of the institutional strengthening project (phase IV: 7/2019-6/2021)	UNEP		\$85,000	\$0	\$85,000	
Total for Somalia			\$85,000		\$85,000	

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			Project	Support	Total	
SOUTH AFRICA						
PHASE-OUT PLAN						
HCFC phase out plan						
HCFC phase-out management plan (stage I, fourth tranche) (refrigeration servicing, custom training and monitoring)	UNIDO	62.5	\$499,612	\$34,973	\$534,585	
Total for South Africa		62.5	\$499,612	\$34,973	\$534,585	
SURINAME						
PHASE-OUT PLAN						
HCFC phase out plan						
Preparation of a HCFC phase-out management plan (stage II)	UNEP		\$20,000	\$2,600	\$22,600	
Preparation of a HCFC phase-out management plan (stage II)	UNIDO		\$10,000	\$700	\$10,700	
Total for Suriname			\$30,000	\$3,300	\$33,300	
SYRIA						
SEVERAL						
Technical assistance/support						
Enabling activities for HFC phase-down <i>Funded from the additional voluntary contributions of non-Article 5 countries.</i>	UNEP		\$250,000	\$17,500	\$267,500	
Total for Syria			\$250,000	\$17,500	\$267,500	
TANZANIA						
SEVERAL						
Ozone unit support						
Extension of the institutional strengthening project (phase VII: 7/2019-6/2021)	UNEP		\$85,000	\$0	\$85,000	
Total for Tanzania			\$85,000		\$85,000	
TOGO						
PHASE-OUT PLAN						
HCFC phase out plan						
Preparation of a HCFC phase-out management plan (stage II)	UNIDO		\$20,000	\$1,400	\$21,400	

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Project Title	Agency	ODP/Metric (tonnes)*	Funds recommended (US\$)			C.E. (US\$/kg)
			Project	Support	Total	
HCFC phase-out management plan (stage I, fourth tranche) <i>Approved on the understanding that Togo had consumption in the servicing sector only; that the incentive programme to promote conversion of air-conditioning equipment to low-GWP alternatives include associated training and capacity building to ensure sustainable implementation; and that the three participating beneficiaries would provide co-financing to participate in the scheme.</i>	UNEP	2.2	\$40,000	\$5,200	\$45,200	
Preparation of a HCFC phase-out management plan (stage II)	UNEP		\$40,000	\$5,200	\$45,200	
	Total for Togo	2.2	\$100,000	\$11,800	\$111,800	
TONGA						
SEVERAL						
Ozone unit support						
Renewal of institutional strengthening project (phase VIII: 12/2019-11/2021)	UNEP		\$85,000	\$0	\$85,000	
	Total for Tonga		\$85,000		\$85,000	
TRINIDAD AND TOBAGO						
SEVERAL						
Ozone unit support						
Extension of the institutional strengthening project (phase X: 1/2020-12/2021)	UNDP		\$85,000	\$5,950	\$90,950	
	Total for Trinidad and Tobago		\$85,000	\$5,950	\$90,950	
URUGUAY						
PHASE-OUT PLAN						
HCFC phase out plan						
Preparation of a HCFC phase-out management plan (stage III)	UNDP		\$60,000	\$4,200	\$64,200	
	Total for Uruguay		\$60,000	\$4,200	\$64,200	
ZAMBIA						
PHASE-OUT PLAN						
HCFC phase out plan						
Preparation of a HCFC phase-out management plan (stage II)	UNEP		\$20,000	\$2,600	\$22,600	
Preparation of a HCFC phase-out management plan (stage II)	UNIDO		\$10,000	\$700	\$10,700	

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			Project	Support	Total	
SEVERAL						
Ozone unit support						
Extension of the institutional strengthening project (phase VII: 7/2019-6/2021)	UNEP		\$85,000	\$0	\$85,000	
Total for Zambia			\$115,000	\$3,300	\$118,300	
ZIMBABWE						
PHASE-OUT PLAN						
HCFC phase out plan						
Preparation of a HCFC phase-out management plan (stage II)	UNEP		\$40,000	\$5,200	\$45,200	
Preparation of a HCFC phase-out management plan (stage II)	UNDP		\$20,000	\$1,400	\$21,400	
SEVERAL						
Ozone unit support						
Renewal of the institutional strengthening project (phase X: 7/2019-6/2021)	UNEP		\$189,750	\$0	\$189,750	
Total for Zimbabwe			\$249,750	\$6,600	\$256,350	
GRAND TOTAL		90.4	\$8,129,362	\$447,507	\$8,576,869	

* HCFC in ODP tonnes. HFC in metric tonnes