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EXECUTIVE COMMITTEE OF  
THE MULTILATERAL FUND FOR THE  
IMPLEMENTATION OF THE MONTREAL PROTOCOL  
Eighty-fourth Meeting  
Montreal, 16–20 December 2019

**PROJECT PROPOSAL: CÔTE D'IVOIRE**

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

Phase-out

- HCFC phase-out management plan (stage I, third and fourth tranches) UNEP and UNIDO

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

**Côte d’Ivoire**

(I) PROJECT TITLE	AGENCY	MEETING APPROVED	CONTROL MEASURE
HCFC phase out plan (Stage I)	UNEP (lead), UNIDO	66 <sup>th</sup>	35% by 2020

(II) LATEST ARTICLE 7 DATA (Annex C Group I)	Year: 2018	45.05 (ODP tonnes)
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(III) LATEST COUNTRY PROGRAMME SECTORAL DATA (ODP tonnes)								Year: 2018	
Chemical	Aerosol	Foam	Fire fighting	Refrigeration		Solvent	Process agent	Lab use	Total sector consumption
				Manufacturing	Servicing				
HCFC-22					45.05				45.05

(IV) CONSUMPTION DATA (ODP tonnes)			
2009 - 2010 baseline:	63.80	Starting point for sustained aggregate reductions:	63.80
CONSUMPTION ELIGIBLE FOR FUNDING (ODP tonnes)			
Already approved:	22.33	Remaining:	41.47

(V) BUSINESS PLAN		2019	2020	Total
UNEP	ODS phase-out (ODP tonnes)	3.42	2.27	5.69
	Funding (US \$)	313,891	208,222	522,113
UNIDO	ODS phase-out (ODP tonnes)	5.63	0	5.63
	Funding (US \$)	492,200	0	492,200

(VI) PROJECT DATA			2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	Total
Montreal Protocol consumption limits			n/a	63.80	63.80	57.42	57.42	57.42	57.42	57.42	41.47	41.47	n/a
Maximum allowable consumption (ODP tonnes)			n/a	63.80	63.80	57.42	57.42	57.42	57.42	57.42	41.47	41.47	n/a
Agreed funding (US\$)	UNEP	Project costs	250,000	0	190,000	0	0	0	0	280,000	0	185,740	905,740
		Support costs	30,260	0	22,998	0	0	0	0	33,891	0	22,482	109,631
	UNIDO	Project costs	460,000	0	0	0	0	0	0	460,000	0		920,000
		Support costs	34,500	0	0	0	0	0	0	32,200	0		66,700
Funds approved by ExCom (US\$)	Project costs		710,000	0	190,000	0	0	0	0	0	0		900,000
	Support costs		64,760	0	22,998	0	0	0	0	0	0		87,758
Total funds requested for approval at this meeting (US\$)	Project costs		0	0	0	0	0	0	0	<b>740,000</b>	0		740,000
	Support costs		0	0	0	0	0	0	0	<b>66,091</b>	0		66,091

Note: Revised agreement to be considered at the 84<sup>th</sup> meeting.

<b>Secretariat's recommendation:</b>	Individual consideration
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## PROJECT DESCRIPTION

1. On behalf of the Government of Côte d'Ivoire, UNEP as the lead implementing agency, has submitted a request for funding for the combined third and fourth tranches of stage I of the HCFC phase-out management plan (HPMP), at a total cost of US \$806,091, consisting of US \$280,000, plus agency support costs of US \$33,891 for UNEP, and US \$460,000, plus agency support costs of US \$32,200 for UNIDO.<sup>1</sup> The submission includes a progress report on the implementation of the second tranche, the verification report on HCFC consumption for 2015 to 2018, and the tranche implementation plan for 2020, and a request for extension of stage I of the HPMP.

### Introduction

2. The third funding tranche of stage I of the HPMP for Côte d'Ivoire, should have been submitted for approval in 2016. However, due to the political unrest prevailing in the country, changes in the national ozone unit (NOU) administration primarily due to delays in appointing the new National Ozone Officer (NOO), and delays in implementing HPMP activities in certain regions of the country during the period 2016 to 2018, phase-out activities could not be implemented and the verification of consumption could not be completed. With the improvement in the situation and appointment of a new NOO, the phase-out activities are in advanced stages of implementation.

3. In order to accelerate the implementation of stage I and meet the compliance targets under its Agreement with the Executive Committee, the Government of Côte d'Ivoire has requested to combine the third and fourth funding tranches and to extend the completion date of the Agreement from 2020 to 2021. Table 1 shows the funding tranche distribution as originally approved and as modified.

**Table 1. Proposed redistribution of the funding tranches of stage I of the HPMP for Côte d'Ivoire (US \$)**

Particulars	2016	2017	2018	2019	2020	2021	Total
<b>Original</b>							
UNEP agreed funding	150,000		130,000	0	185,740		465,740
UNEP support costs	18,156		15,735	0	22,482		56,373
UNIDO agreed funding	460,000		0	0	0		460,000
UNIDO support costs	32,200		0	0	0		32,200
Total funding	610,000		130,000	0	185,740		925,740
Total support costs	50,356		15,735	0	22,482		88,573
Grand total	660,356		145,735	0	208,222		1,014,313
<b>Revised</b>							
UNEP agreed funding			0	280,000	0	185,740	465,740
UNEP support costs			0	33,891	0	22,482	56,373
UNIDO agreed funding			0	460,000	0	0	460,000
UNIDO support costs			0	32,200	0	0	32,200
Total funding			0	740,000	0	185,740	925,740
Total support costs			0	66,091	0	22,482	88,573
Grand total			0	806,091	0	208,222	1,014,313

4. Further to extensive discussions with UNEP and after receiving assurance that both UNEP and UNIDO will be able to assist the Government in implementing the on-going phase-out activities and those proposed under the combined third and fourth funding tranches, the Secretariat is submitting the request by the Government of Côte d'Ivoire for consideration by the Executive Committee.

<sup>1</sup> As per the letter of 7 October 2019 from the Ministère de l'Environnement et du Développement Durable of Côte d'Ivoire to the Secretariat.

Report on HCFC consumption

5. The Government of Côte d'Ivoire reported a consumption of 45.05 ODP tonnes of HCFC in 2018, which is 29 per cent below the HCFC baseline for compliance. The 2014-2018 HCFC consumption is shown in Table 2.

**Table 2. HCFC consumption in Côte d'Ivoire (2014-2018 Article 7 data)**

HCFC	2014	2015	2016	2017	2018	Baseline
<b>Metric tonnes</b>						
HCFC-22	961.61	932.6	892.32	855.68	819.03	1,159.70
HCFC-123	0.03	0.63*	0.00	0.00	0.00	
HCFC-141b	0.04	0.24*	0.00	0.00	0.00	
<b>Total (mt)</b>	<b>961.68</b>	<b>933.47</b>	<b>892.32</b>	<b>855.68</b>	<b>819.03</b>	
<b>ODP tonnes</b>						
HCFC-22	52.89	51.29	49.08	47.06	45.05	63.80
HCFC-123	0.00**	0.01*	0.00	0.00	0.00	
HCFC-141b	0.00**	0.03*	0.00	0.00	0.00	
<b>Total (ODP tonnes)</b>	<b>52.89</b>	<b>51.33</b>	<b>49.08</b>	<b>47.06</b>	<b>45.05</b>	<b>63.80</b>

\*Based on the findings of the verification report, the Government has confirmed that consumption of these substances is zero; confirmation of this was sent by the Government to the Ozone Secretariat.

\*\*Negligible.

6. The consumption of HCFCs is decreasing in the country on account of the HPMP activities including controls on import of HCFC-22, better servicing practices followed by technicians as a result of training, and adoption of alternatives-based equipment in refrigeration and air-conditioning (RAC) sector.

*Country programme (CP) implementation report*

7. The Government of Côte d'Ivoire reported HCFC sector consumption data under the 2018 CP implementation report which is consistent with the data reported under Article 7 of the Montreal Protocol.

*Verification report*

8. The verification report confirmed that the Government of Côte d'Ivoire is implementing a licensing and quota system for HCFC imports and exports. While the Government reported in 2015 consumption of HCFC-123 and HCFC-141b under Article 7 of the Montreal Protocol, the verification report indicated that there were no imports recorded for those substances.

9. The verification report concluded that Côte d'Ivoire is in compliance with the targets set in its Agreement with the Executive Committee for 2015–2018; however, it also recommended the implementation of the following actions: the adoption of an inter-ministerial decree for regulating import, export, transit, re-export, distribution, marketing, possession and use of ODSs; regular market visit to monitor quality of refrigerants and ensure all goods are declared; training on an ongoing basis on controlling and monitoring ODS for customs and enforcement officers and officials of the Ministry of Commerce, Industry and the Promotion of Small and Medium Enterprises; information outreach and sensitisation on ODS controls to different stakeholders in the country; and adoption of extended Harmonized System (HS) code to accommodate the substances controlled under the Kigali Amendment.

Progress report on the implementation of the second tranche of the HPMP*Legal framework*

10. The Government of Côte d'Ivoire has adhered to the Economic Community of West African States' (UEMOA) sub-regional regulations that harmonize the management of controlled substances, including HCFCs. The country has a legislative, regulatory and legal framework in place for controlling HCFC import

and use, including a quota system for HCFCs that entered into force in 2013; import of second-hand HCFC-22-based refrigeration and RAC equipment is prohibited. Issuance of HCFC import quota is handled by the Directorate of Trade after consultation with the NOU.

#### *Refrigeration servicing sector*

11. The following activities have been conducted:

- (a) Eight training workshops for 240 customs officers on controlling and identifying HCFC and HCFC-based equipment, as well as illegal trade;
- (b) Nine training workshops for 315 refrigeration technicians on good practices in refrigeration and in safe handling of hydrocarbon technologies; and
- (c) Procurement of service equipment and tools (e.g., recovery units, leak detectors, refrigerant identifiers, brazing and welding units, vacuum pumps, manifolds and tool sets); and provision of equipment and tool kits to the vocational training centre (Centre de Perfectionnement aux Métiers de Mécanique et d'Electricité (CPMME)); and training of trainers on the usage of the acquired equipment.

#### *Project implementation and monitoring unit (PMU)*

12. The NOU, assisted by one refrigeration expert and one customs expert, monitored the HPMP activities and collected the relevant data including support to independent expert recruited for independent verification. Table 3 provides the details of expenditures incurred by the PMU.

**Table 3. Expenditures incurred by the PMU in Côte d'Ivoire (US \$)**

Particulars	First tranche		Second tranche		Total – Actual
	Budget	Actual	Budget	Actual	
Staff and consultants	35,000	35,000	25,000	25,000	60,000
Rent	0	0	0	0	0
Travel	5,000	5,000	5,000	5,000	10,000
Workshops/meetings	5,000	5,000	5,000	5,000	10,000
Communication	5,000	5,000	5,000	5,000	10,000
Others	0	0	0	0	0
<b>Total</b>	<b>50,000</b>	<b>50,000</b>	<b>90,000</b>	<b>40,000</b>	<b>90,000</b>

#### Level of fund disbursement

13. As of October 2019, of the US \$900,000 approved so far, US \$662,689 had been disbursed (US \$440,000 for UNEP and US \$222,689 for UNIDO) as shown in Table 4. The balance of US \$237,311 will be disbursed by the end of 2020.

**Table 4. Financial report of stage I of the HPMP for Côte d'Ivoire (US \$)**

Agency	First tranche		Second tranche		Total approved	
	Approved	Disbursed	Approved	Disbursed	Approved	Disbursed
UNEP	250,000	250,000	190,000	190,000	440,000	440,000
UNIDO	460,000	222,689	0	0	460,000	222,689
<b>Total</b>	<b>710,000</b>	<b>472,689</b>	<b>190,000</b>	<b>190,000</b>	<b>900,000</b>	<b>662,689</b>
<b>Disbursement rate (%)</b>	<b>67</b>		<b>100</b>		<b>74</b>	

#### Implementation plan for the combined third and fourth tranches of the HPMP

14. The following activities will be implemented between January 2020 and December 2021, with the funding available under the combined third and fourth tranches:

- (a) Ten workshops (in the capital city of Abidjan and the most relevant ports of entry) for 300 customs officers on control and identification of HCFCs and HCFC-based equipment, and on illegal trade of controlled substances (UNEP) (US \$100,000);
- (b) Twelve workshops for about 450 refrigeration technicians on good practices in refrigeration, use of HCFC alternative refrigerants, and servicing of air-conditioning equipment; development of a system for certification of technicians at national and sub-regional levels, which would also be linked to the use of refrigerants by trained certified technicians only, to be operationalised in 2020 (UNEP) (US \$100,000);
- (c) Strengthening of centres of excellence located in two large cities (Yamoussoukro and San Pedro) and major refrigeration service workshops with the provision of additional basic equipment and service tools to training centres and refrigeration workshops (e.g., recovery units, leak detectors, refrigerant identifiers, brazing and welding units, vacuum pumps, manifolds and tool sets); this will include technical support and training of technicians and trainers (UNIDO) (US \$460,000); and
- (d) Project management unit (UNEP) (US \$80,000): To continue monitoring the implementation of the activities under the HPMP, including providing assistance to the NOU in data gathering and reporting, and evaluation. The breakdown of expected expenditures is shown in Table 5.

**Table 5. Funding breakdown of the PMU of stage I of the HPMP for Côte d’Ivoire**

<b>Description</b>	<b>Funding requested (US \$)</b>
Recruitment of two national consultants	25,000
Verification report for 2019–2020	45,000
Staff travel for project coordination	10,000
<b>Total</b>	<b>80,000</b>

## SECRETARIAT’S COMMENTS AND RECOMMENDATION

### COMMENTS

#### Delay in the submission of the third tranche

15. The Secretariat had detailed consultations with UNEP on the overall implementation schedule for the period after 2019, noting that completing remaining activities by 2020 is likely to be very challenging. As a result, it was agreed that additional time would be needed to complete the planned activities in stage I, primarily relating to the servicing sector and enforcement strengthening, with the submission of the last tranche in 2021.

16. In order to accelerate the implementation of stage I of the HPMP in light of the three-year delay due to the difficult circumstances that prevailed in the country, UNEP and UNIDO will work closely with the NOU and other national stakeholders and expeditiously implement training support on good practices covering 450 servicing technicians (instead of 350 technicians, as originally planned), capacity building and training of 300 customs officers (instead of 250 customs officers, as originally planned), fast-track support for strengthening centers of excellence and equipment support for service agencies and other activities for strengthening monitoring and reporting of trade of ODSs.

#### Report on HCFC consumption and verification report

17. Based on the results of the verification report where it was found that the consumption of HCFC-123 and HCFC-141b reported under Article 7 of the Protocol was not recorded in Customs, UNEP

explained that on 29 October 2019, the Government sent an official request to the Ozone Secretariat to revise the 2015 consumption levels of HCFC-123 and HCFC-141b to zero.

18. With regard to the recommendations included in the verification report, UNEP reported that the Government of Côte d'Ivoire will implement the following activities within the third and fourth funding tranches: adoption of the inter-ministerial decree for controlling and monitoring trade of ODSs to strengthen its licensing system; conduct market visits to monitor quality of refrigerants and declaration of goods containing ODSs; continue to implement training of customs officers and officials from the Ministry of Commerce, Industry, and the Promotion of Small and Medium Enterprises on controlling and monitoring ODSs; undertake more outreach activities and work towards the adoption of extended HS code under the Kigali Amendment.

#### *Legal framework*

19. The Government of Côte d'Ivoire has already issued HCFC import quotas for 2019 at 42.9 ODP tonnes, which is lower than the Montreal Protocol control targets. The Government also plans to implement a certification system for refrigeration servicing technicians in 2020 that will result in good practices and safe use of toxic, flammable and high-pressure refrigerants and promote use of refrigerants by trained certified technicians.

#### *Refrigeration servicing sector*

20. Upon a request for information on whether retrofits of HCFC-22-based equipment with flammable refrigerants were being undertaken in Côte d'Ivoire, UNEP indicated that there is no retrofitting of HCFC-22-based equipment to hydrocarbon taking place and that both the Government and the refrigeration servicing sector were not promoting such practices. UNEP also explained that the good refrigeration practices that have been provided to approximately 520 technicians included the safe handling of flammable refrigerants. UNEP also confirmed that the Government of Côte d'Ivoire was fully aware of decisions<sup>2</sup> on this practice.

#### Revision to the HPMP Agreement

21. The Government of Côte d'Ivoire is requesting for a revision of its Agreement with the Executive Committee by combining the third (2016) and fourth (2018) tranches and extending the date of submission of the fifth tranche request to 2021. Accordingly, paragraph 16 and Appendix 2-A of the Agreement between the Government and the Executive Committee have been updated, as shown in Annex I to this document. The full revised Agreement will be appended to the final report of the 84<sup>th</sup> meeting.

#### Conclusion

22. The implementation of the HPMP is progressing since the situation in the country has stabilized. The country's import licensing and quota system is operational, and the consumption of HCFCs for 2018 was 21.5 per cent below the Montreal Protocol control targets; the Government has also committed to implement the recommendations in the verification report. The country commits to complete the activities under stage I by December 2021; towards this, it has requested a revision of its Agreement with the Executive Committee including combining the third and fourth tranches which will speed up implementation of activities. Customs and enforcement officers are provided training on controlling and monitoring of HCFC imports; the Government is considering implementation of a ban on import of HCFC-22-based equipment in the near future and would undertake consultations and development of the ban in 2020 and establishing a certification system of refrigeration technicians by the end of 2020, and strengthening the centres of excellence for training technicians. The refrigeration association is a member of the National Ozone Committee that provides overall monitoring and guidance on implementation of the

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<sup>2</sup> Decisions 72/17 and 73/34

Montreal Protocol and is involved in allocation of HCFC quotas and training programmes for technicians. The funds under the second tranche have been fully disbursed. A combination of monitoring and controlling of HCFC-22 imports, training and capacity building of technicians and training centers and reducing dependence on HCFC-22-based equipment would contribute to long-term sustainability of HCFC phase-out.

## **RECOMMENDATION**

23. The Executive Committee may wish to consider:

- (a) Noting the progress report on the implementation of the second tranche of stage I of the HCFC phase-out management plan (HPMP) for Côte d'Ivoire;
- (b) Approving the extension of the duration of stage I of the HPMP from 2020 to 2021;
- (c) Noting that the Fund Secretariat had revised the updated Agreement between the Government of Côte d'Ivoire and the Executive Committee, contained in Annex I to the present document, specifically Appendix 2-A, to reflect the extension of the duration of stage I and the revised funding schedule which combined the third (2016) and fourth (2018) tranches and changed the funding schedule of the fifth tranche to 2021, and paragraph 16, to indicate that the revised updated Agreement superseded that reached at the 75<sup>th</sup> meeting;
- (d) Approving the combined third and fourth tranches of stage I of the HPMP for Côte d'Ivoire, and the corresponding 2020 tranche implementation plan, in the amount of US \$806,091, consisting of US \$280,000, plus agency support costs of US \$33,891 for UNEP, and US \$460,000, plus agency support costs of US \$32,200 for UNIDO; and
- (e) Requesting the Government of Côte d'Ivoire and UNEP to implement measures recommended in the verification report and to report, through UNEP, to the 86<sup>th</sup> meeting on the adoption of the inter-ministerial decree for regulating import, export, transit, re-export, and trade of ODSs, and other measures on strengthening monitoring and reporting systems relating to HCFC import and export.



Annex I

**TEXT TO BE INCLUDED IN THE REVISED UPDATED AGREEMENT BETWEEN THE GOVERNMENT OF CÔTE D'IVOIRE AND THE EXECUTIVE COMMITTEE OF THE MULTILATERAL FUND FOR THE REDUCTION IN CONSUMPTION OF HYDROCHLOROFLUOROCARBONS**

(Relevant changes are in bold font for ease of reference)

16. This revised updated Agreement supersedes the Agreement reached between the Government of Côte d'Ivoire and the Executive Committee at the 75<sup>th</sup> meeting of the Executive Committee.

**APPENDIX 2-A: THE TARGETS, AND FUNDING**

Row	Particulars	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	Total
1.1	Montreal Protocol reduction schedule of Annex C, Group I substances (ODP tonnes)	n/a	63.80	63.80	57.42	57.42	57.42	57.42	57.42	41.47	<b>41.47</b>	n/a
1.2	Maximum allowable total consumption of Annex C, Group I substances (ODP tonnes)	n/a	63.80	63.80	57.42	57.42	57.42	57.42	57.42	41.47	<b>41.47</b>	n/a
2.1	Lead IA (UNEP) agreed funding (US \$)	250,000	0	190,000	0	<b>0</b>	0	<b>0</b>	<b>280,000</b>	<b>0</b>	<b>185,740</b>	905,740
2.2	Support costs for Lead IA (US \$)	30,260	0	22,998	0	<b>0</b>	0	<b>0</b>	<b>33,891</b>	<b>0</b>	<b>22,482</b>	109,631
2.3	Cooperating IA (UNIDO) agreed funding (US \$)	460,000	0	0	0	<b>0</b>	0	<b>0</b>	<b>460,000</b>	<b>0</b>	<b>0</b>	920,000
2.4	Support costs for Cooperating IA (US \$)	34,500	0	0	0	<b>0</b>	0	<b>0</b>	<b>32,200</b>	<b>0</b>	<b>0</b>	66,700
3.1	Total agreed funding (US \$)	710,000	0	190,000	0	<b>0</b>	0	<b>0</b>	<b>740,000</b>	<b>0</b>	<b>185,740</b>	1,825,740
3.2	Total support costs (US \$)	64,760	0	22,998	0	<b>0</b>	0	<b>0</b>	<b>66,091</b>	<b>0</b>	<b>22,482</b>	176,331
3.3	Total agreed costs (US \$)	774,760	0	212,998	0	<b>0</b>	0	<b>0</b>	<b>806,091</b>	<b>0</b>	<b>208,222</b>	2,002,071
4.1.1	Total phase-out of HCFC-22 agreed to be achieved under this Agreement (ODP tonnes)											22.33
4.1.2	Phase-out of HCFC-22 to be achieved in previously approved projects (ODP tonnes)											0
4.1.3	Remaining eligible consumption for HCFC-22 (ODP tonnes)											41.47