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EXECUTIVE COMMITTEE OF
THE MULTILATERAL FUND FOR THE
IMPLEMENTATION OF THE MONTREAL PROTOCOL
Ninety-second Meeting
Montreal, 29 May to 2 June 2023
Items 9 (c) and (d) of the provisional agenda¹

UNDP's WORK PROGRAMME FOR 2023

¹ UNEP/OzL.Pro/ExCom/92/1

Pre-session documents of the Executive Committee of the Multilateral Fund for the Implementation of the Montreal Protocol are without prejudice to any decision that the Executive Committee might take following issuance of the document.

COMMENTS AND RECOMMENDATION OF THE FUND SECRETARIAT

1. UNDP is requesting approval from the Executive Committee of US \$2,847,144, plus agency support costs of US \$199,900 for its 2023 work programme listed in table 1. The submission is attached to the present document.

Table 1: UNDP's work programme for 2023

Country	Activity/Project	Amount requested (US \$)	Amount recommended (US \$)
SECTION A: ACTIVITIES RECOMMENDED FOR BLANKET APPROVAL			
A1: Renewal of institutional strengthening (IS) projects			
Argentina	Renewal of institutional strengthening project (phase XI)	825,528	825,528
Chile	Renewal of institutional strengthening project (phase XV)	494,283	494,283
Georgia	Renewal of institutional strengthening project (phase XII)	180,000	180,000
Lebanon	Renewal of institutional strengthening project (phase XIII)	410,926	410,926
Venezuela (Bolivarian Republic of)	Renewal of institutional strengthening project (phase XV)	756,407	756,407
Subtotal for A1		2,667,144	2,667,144
Agency support costs		186,700	186,700
Total for A1		2,853,844	2,853,844
A2: Project preparation for HCFC phase-out management plans (HPMPs)			
Lebanon	Preparation of an HPMP (stage III)	60,000	60,000
Subtotal for A2		60,000	60,000
Agency support costs		4,200	4,200
Total for A2		64,200	64,200
A3: Project preparation for Kigali HFC implementation plans (KIPs)			
India	Preparation of a KIP investment project in the refrigeration manufacturing sector for Mech Air Industries	30,000	30,000
India	Preparation of a KIP investment project in the refrigeration manufacturing sector for Rockwell Industries	30,000	30,000
India	Preparation of a KIP investment project in the air conditioner (AC) manufacturing sector for Voltas Limited	30,000	30,000
Subtotal for A3		90,000	90,000
Agency support costs		6,300	6,300
Total for A3		96,300	96,300
SECTION B: ACTIVITIES RECOMMENDED FOR INDIVIDUAL CONSIDERATION			
B1: Technical assistance to prepare a verification report on HCFC consumption			
Fiji	Verification report for stage II of the HPMP	30,000	*
Subtotal for B1		30,000	*
Agency support costs		2,700	*
Total for B1		32,700	*
Total for A1, A2, A3, B1		2,847,144	2,817,144
Agency support costs for A1, A2, A3, B1		199,900	197,200
Grand total		3,047,044	3,014,344

* Recommended for individual consideration

SECTION A: ACTIVITIES RECOMMENDED FOR BLANKET APPROVAL

A1: Renewal of institutional strengthening projects

Project description

2. UNDP submitted requests for the renewal of the institutional strengthening projects for the countries listed in section A1 of table 1. The description for these projects is presented in Annex I to the present document.

Secretariat's comments

3. The Secretariat reviewed the requests for the renewal of the five institutional strengthening projects on behalf of the Governments concerned against the guidelines² and relevant decisions regarding eligibility and funding levels. The requests were cross-checked against the original work plans for the previous phase, country programme (CP) and Article 7 data, the latest report on implementation of their HPMPs, the agency's progress report, and any relevant decisions of the Meetings of the Parties. It was noted that five countries have submitted their 2022 CP data and are in compliance with the control targets under the Montreal Protocol and four have reported annual HCFC consumption that does not exceed the annual maximum allowable consumption indicated in their HPMP Agreements with the Executive Committee.³ Furthermore, all the requests submitted included an assessment of performance indicators and achievement of the IS objectives, in accordance with decision 91/63(b).

Secretariat's recommendation

4. The Secretariat recommends blanket approval of the institutional strengthening renewal requests for Argentina, Chile, Georgia, Lebanon and the Bolivarian Republic of Venezuela at the levels of funding indicated in section A1 of table 1 of the present document. The Executive Committee may wish to express to the aforementioned Governments the comments presented in Annex II to the present document.

A2: Project preparation for HCFC phase-out management plans

Project description

5. UNDP submitted a request for the preparation of stage III of the HPMP for Lebanon as the designated implementing agency. This request is shown in section A2 of table 1.

6. The submission included: justification for the requested project preparation funding; a progress report on the implementation of stage II of the HPMP; and the list of activities to be undertaken during project preparation and the corresponding budgets.

Secretariat's comments

7. In reviewing this request, the Secretariat took into account the guidelines for funding the preparation of stage II of HPMPs for Article 5 countries contained in decision 71/42, the progress on stage II of the HPMP including the status of implementation of the tranches as at the preparation of the present

² Decision 91/63: (b) To approve the revised format for terminal reports and requests for the extension of IS funding and the corresponding performance indicators; and (c) To request Article 5 countries, through the bilateral and implementing agencies, to use the revised format referred to in subparagraph (b) above for all requests for IS renewal as of the first meeting of the Executive Committee in 2023:

³ Argentina's annual HCFC consumption is discussed in document UNEP/OzL.Pro/ExCom/92/21 containing the request for the third tranche of stage II of the HPMP for Argentina.

document; and decision 84/46(e).⁴ The Secretariat noted that the funding requested is in line with decision 71/42 and that the request is in accordance with decision 82/45 allowing submission of requests for project preparation for stage III two years before the end date of stage II of the HPMP.

8. UNDP confirmed that stage III of the HPMP for Lebanon will phase out 100 per cent of the HCFC baseline by 1 January 2030.

Secretariat's recommendations

9. The Secretariat recommends blanket approval for project preparation for stage III of the HCFC phase-out management plan for Lebanon at the level of funding shown in section A2 of table 1.

A3: Project preparation for Kigali HFC implementation plans

Project description

10. UNDP submitted three requests for the preparation of stage I KIP investment projects, two in the refrigeration manufacturing sector and one in the AC manufacturing sector, for India as the designated implementing agency, as shown in section A3 of table 1. India has not received funding for the preparation of an overarching strategy for stage I of the KIP.

Secretariat's comments

11. In reviewing these requests, the Secretariat took into account the guidelines for the preparation of KIPs as contained in decision 87/50, the activities proposed for project preparation and their connection with enabling activities and other HFC-related projects in the country. UNDP provided descriptions of the activities to support the requests for the the preparation of the KIP investment projects, using the format for requests for project preparation for KIPs.

12. The Secretariat observed that:

- (a) The project preparation for the KIP investment projects in the refrigeration manufacturing sector would include conversion at two enterprises as follows: the replacement of R-404A and R-407C with CO₂ at Mech Air Industries and the replacement of HFC-134a with R-290 at Rockwell Industries. The project preparation for the KIP investment project in the AC manufacturing sector would include conversion at one enterprise to replace HFC-134a and R-407C with R-1234ze/R1234yf in chillers at Voltas Limited. The project preparation activities for all three projects would include enterprise level data collection; alternative refrigerant and supply chain assessments; site visits for consumption verification and baseline equipment assessment; project design, validation, and peer review; national consultation, and final proposal development for submission to the Executive Committee.
- (b) HFC consumption data for the country and for the three enterprises were not included in the submission. UNDP noted that India is a group 2 country⁵ and that currently HFC consumption data for India is only available for 2021 and the work is being done to collect sectoral HFC consumption data in the country, which could be submitted once completed. Regarding the consumption data for the individual enterprises, UNDP noted that data on HFC consumption would be collected as part of the proposed project preparation.

⁴ Inclusion of stage III of HPMPs in the business plan is allowed only for those countries with an approved stage II of HPMPs with reduction targets below the 2025 compliance targets.

⁵ Decision XXVIII/2, paragraph 2

13. The Secretariat inquired which products from these enterprises will be included in the conversion to low-GWP alternatives as part of the project preparation requests. UNDP clarified that the products may include: cold storages, blast freezers and ripening chambers for Mech Air Industries; deep freezers, chillers and chest coolers for Rockwell Industries with two manufacturing facilities; and chillers for Voltas Limited.

14. The Secretariat further noted that India has ratified the Kigali Amendment;⁶ that the country has provided an endorsement letter signifying their intention to take action on HFC phase-down; that the funding requested is in accordance with decision 87/50(f)(v) on the preparation of investment projects/sector plans for stage I of KIPs; and that UNDP has confirmed the submission of the overarching KIP strategy which is expected after the completion of the initial assessments currently being implemented under the enabling activities. The Secretariat also noted that the request is in line with decision 79/46(b)(iii),⁷ and as a group 2 country, India's initial reduction obligations will be the freeze in HFC consumption by 2028.

Secretariat's recommendation

15. The Secretariat recommends blanket approval of the preparation of Kigali HFC implementation plan investment projects in the refrigeration manufacturing and the air conditioner manufacturing sectors in India at the level of funding shown in section A3 of table 1.

SECTION B: ACTIVITIES RECOMMENDED FOR INDIVIDUAL CONSIDERATION

B1: Technical assistance to prepare a verification report on HCFC consumption

Project description

16. In line with decision 61/46(c),⁸ the Secretariat drew a sample of 16 low-volume consuming (LVC) Article 5 countries for the purpose of verifying compliance with their HPMP Agreements. The selected countries are listed in table 5 of document UNEP/OzL.Pro/ExCom/92/13 on the overview of issues identified during project review. UNDP as lead implementing agency is requesting funding for the verification of HCFC consumption for stage II of the HPMP for Fiji.

Secretariat's comments

17. In line with the proposal of the Secretariat to streamline the process of approving funding for the verification of HCFC consumption for LVC countries as described in document UNEP/OzL.Pro/ExCom/92/13, the request for funding for Fiji is included in the present document.

18. The Secretariat noted that the funding requested was consistent with the funds approved for similar verifications in previous meetings and that the verification report must be submitted at least 10 weeks prior to the applicable Executive Committee meeting where the next funding tranche for the HPMP is being sought.

19. The Secretariat further noted that the request is contingent on the approval of the list of countries selected for compliance verification contained in document UNEP/OzL.Pro/ExCom/92/13.

⁶ 27 September 2021

⁷ Funding for the preparation of national implementation plans to meet initial reduction obligations for the phase-down of HFCs could be provided, at the earliest, five years prior to those obligations, after a country had ratified the Kigali Amendment and on the basis of guidelines to be approved in the future.

⁸ 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.

Secretariat's recommendation

20. The Executive Committee may wish to consider, in line with the discussion on the verification of compliance of selected low-volume-consuming countries with their HCFC phase-out management plan Agreements under agenda item 9(a), Overview of issues identified during project review, approving the preparation of the verification report for stage II of the HCFC phase-out management plan for Fiji in the amount of US \$30,000, plus agency support costs of US \$2,700, on the understanding that the verification report must be submitted at least 10 weeks prior to the applicable Executive Committee meeting where the next funding tranche for the HPMP is being sought.

Annex I
INSTITUTIONAL STRENGTHENING PROJECT PROPOSALS

Argentina: Renewal of institutional strengthening

Summary of the project and country profile		
Implementing agency:		UNDP
Amounts previously approved for institutional strengthening (US \$):		
Phase I:	Jul-94	359,500
Phase II:	Nov-99	239,700
Phase III:	Nov-02	311,610
Phase IV:	Jul-05	311,567
Phase V:	Nov-07	311,567
Phase VI:	Nov-09	311,568
Phase VII:	Nov-11	311,567
Phase VIII:	Dec-13	311,567
Phase IX:	May-16	398,806
Phase X:	Dec-18	398,806
	Total:	3,266,258
Amount requested for renewal (phase XI) (US \$):		825,528
Amount recommended for approval for phase XI (US \$):		825,528
Agency support costs (US \$):		57,787
Total cost of institutional strengthening phase XI to the Multilateral Fund (US \$):		883,315
Date of approval of country programme:		1994
Date of approval of HCFC phase-out management plan:		2012
Baseline consumption of controlled substances (ODP tonnes):		
(a) Annex B, Group III (methyl chloroform) (average 1998-2000)		65.7
(b) Annex C, Group I (HCFCs) (average 2009-2010)		400.7
(c) Annex E, (methyl bromide) (average 1995-1998)		411.3
Latest reported ODS consumption (2021) (ODP tonnes) as per Article 7:		
(a) Annex B, Group III (methyl chloroform)		0.00
(b) Annex C, Group I (HCFCs)		164.23
(c) Annex E, (methyl bromide)		6.70
	Total:	138.46
Year of reported country programme implementation data:		2022
Amount approved for projects (as at December 2022) (US \$):		98,511,452
Amount disbursed (as at December 2021) (US \$):		77,586,844
ODS to be phased out (as at December 2022) (ODP tonnes):		5,713.99
ODS phased out (as at December 2021) (ODP tonnes):		5,567.28

1. Summary of activities and funds approved by the Executive Committee:

Summary of activities	Funds approved (US \$)
(a) Investment projects:	87,363,997
(b) Institutional strengthening:	3,266,258
(c) Project preparation, technical assistance, training and other non-investment projects:	7,881,197
	Total:
	98,511,452
(d) HFC activities funded from additional voluntary contributions	2,090,755

Progress report

2. During phase X, the Government of Argentina maintained the reductions in HCFC consumption and implemented enabling activities which resulted in the ratification of the Kigali Amendment in

November 2019. Preparatory activities for the implementation of the Kigali Amendment included the modification of the import/export licensing system to include HFCs, preparation of a draft resolution for HFC import quotas, and a survey of legislation and standards for the safe use and handling of flammable refrigerants. Existing ODS regulations were strengthened through HCFC quotas for the years 2020 to 2023. Critical use nominations for methyl bromide were requested for 2020 to 2022 but no nominations are to be requested for future years. The Government of Argentina continued implementing stage II of the HCFC phase-out management plan (HPMP) including training of RAC technicians on flammable alternative refrigerants and initiated the technicians' certification scheme for the safe handling of flammable refrigerants. Public awareness activities included a brochure on the Kigali Amendment and celebration of International Ozone Day. Of the seven IS objectives, five were achieved and two were partially achieved because of the delay in the submission of the fourth tranche of stage II of the HPMP due to the COVID-19 pandemic and the lack of availability and high cost of low-GWP alternatives, and as gender policy had not been included in the work plan (objective 7).

Plan of action

3. Under phase XI, the Government of Argentina will continue efforts to maintain the reductions in HCFC consumption through import controls and the finalization of stage II and implementation of stage III of the HPMP to comply with the HCFC control measure in 2025. In addition, the Government of Argentina will finalize the legislation for HFC quotas to be assigned from 2024 in order to comply with the first HFC control measure as at 1 January 2024, and prepare the Kigali HFC implementation plan (KIP) and other projects. The NOU will continue to coordinate activities with stakeholders, collect and submit country programme (CP) and Article 7 data, participate in regional network and Montreal Protocol meetings, and continue public awareness activities, including celebration of International Ozone Day. Gender mainstreaming will also be integrated into implementation of the next phase of the IS project.

Sustainability and risk assessment:

4. The NOU reported that the achievement of IS objectives had been supported by timely signature of agreements and disbursement of funds. As a result of the implementation of the import and export licensing system for controlled substances, the close collaboration of the NOU with Customs, and consultations with stakeholders/manufacturers, the risk of non-compliance with the Montreal Protocol is minimal and the sustainability of ODS phase-out is ensured. Stable support from the Multilateral Fund ensures the NOU can continue its activities.

Chile: Renewal of institutional strengthening

Summary of the project and country profile			
Implementing agency:			UNDP
Amounts previously approved for institutional strengthening (US \$):			
Phase I:	Jun-92		213,000
Phase II:	Oct-96		113,500
Phase III:	Jul-98		143,500
Phase IV:	Dec-00		143,500
Phase V:	Nov-02		186,550
Phase VI:	Apr-05 and Nov-05		186,550
Phase VII:	Mar-07		186,550
Phase VIII:	Apr-09		186,550
Phase IX:	Apr-11		186,550
Phase X:	Apr-13		186,550
Phase XI:	May-15		186,550
Phase XII:	Jul-17		238,784
Phase XIII:	May-19		238,784
Phase XIV:	Jul-21		238,784
Total:			2,635,702

Summary of the project and country profile	
Amount requested for renewal (phase XV) (US \$):	494,283
Amount recommended for approval for phase XV (US \$):	494,283
Agency support costs (US \$):	34,600
Total cost of institutional strengthening phase XV to the Multilateral Fund (US \$):	528,883
Date of approval of country programme:	1992
Date of approval of HCFC phase-out management plan:	2011
Baseline consumption of controlled substances (ODP tonnes):	
Annex B, Group III (methyl chloroform) (average 1998-2000)	6.4
Annex C, Group I (HCFCs) (average 2009-2010)	87.5
Annex E, (methyl bromide) (average 1995-1998)	212.5
Latest reported ODS consumption (2021) (ODP tonnes) as per Article 7:	
Annex B, Group III (methyl chloroform)	0.00
Annex C, Group I (HCFCs)	14.79
Annex E, (methyl bromide)	0.00
Total:	14.79
Year of reported country programme implementation data:	2022
Amount approved for projects (as at December 2022) (US \$):	22,253,952
Amount disbursed (as at December 2021) (US \$):	17,154,973
ODS to be phased out (as at December 2022) (ODP tonnes):	1,338.3
ODS phased out (as at December 2021) (ODP tonnes):	1,046.7

4. Summary of activities and funds approved by the Executive Committee:

Summary of activities	Funds approved (US \$)
(a) Investment projects:	12,832,861
(b) Institutional strengthening:	2,635,702
(c) Project preparation, technical assistance, training and other non-investment projects:	6,785,389
Total:	22,253,952
(d) HFC activities funded from additional voluntary contributions	150,000

Progress report

5. During phase XIV of the IS project, the NOU of Chile was formally integrated into the Climate Change Division of the Ministry of Environment and worked in close coordination with the Climate Change Office of the Ministry. The NOU continued to successfully coordinate the implementation of the Montreal Protocol despite the challenges of the COVID-19 pandemic. Under the final tranche of stage II and first tranche of stage III the HPMP, the NOU worked in close collaboration with local authorities and stakeholders to train RAC technicians on low-GWP alternatives and good refrigeration practices. HCFC import and export controls, including those for formulated polyols, were enforced. Chile continued to prepare for implementation of the Kigali Amendment including the preparation of draft regulations for the establishment of HFC import control measures, project preparation for the KIP, and coordinated with the National Customs Service to implement the HFC licensing system and develop and HFC quota system. The NOU participated in regional network and Montreal Protocol meetings, carried out public awareness activities including through social media, and made progress on gender mainstreaming in projects and activities. Chile achieved all seven IS objectives.

Plan of action

6. During phase XV of the IS project, the Government of Chile will maintain the ban on CFCs and halons, and the reductions made in the consumption of HCFCs and establish the HFC import quota system. In addition, the NOU will work with public and private stakeholders to enforce control measures on the consumption of HCFCs and HFCs, implement investment projects, provide training on good refrigeration

practices, and continue public awareness activities. In addition, the Government of Chile will implement stage III of the HPMP in collaboration with all stakeholders to meet the agreed targets for reductions in HCFC consumption. The Government of Chile will take steps towards the implementation of the Kigali Amendment including submission of the KIP for Chile and participate in regional network and Montreal Protocol meetings. Gender mainstreaming will be integrated into implementation of the next phase of the IS project including hiring a consultant to support the incorporation of the gender perspective in the work of the NOU and HPMP activities.

Sustainability and risk assessment

7. The NOU reported that the achievement of IS objectives had been maintained by high-level government support, efficient and timely support from UNDP, and timely signature of agreements and disbursement of funds. No risks were identified for the implementation of the IS project as the Government of Chile has a solid legal and institutional framework and effective communication with the private sector vis-à-vis the commitments to reduce the consumption of controlled substances. The NOU is an integral part of the Ministry of Environment and has staff with technical knowledge which minimizes the risks associated with the introduction of new technologies.

Georgia: Renewal of institutional strengthening

Summary of the project and country profile		
Implementing agency:		UNDP
Amounts previously approved for institutional strengthening (US \$):		
	Phase I:	Nov-97 70,000
	Phase II:	Dec-00 46,700
	Phase III:	Apr-03 60,667
	Phase IV:	Apr-05 60,667
	Phase V:	Jul-07 60,667
	Phase VI:	Apr-09 60,667
	Phase VII:	Apr-11 60,667
	Phase VIII:	Apr-13 60,667
	Phase IX:	May-15 60,667
	Phase X:	Jun-18 85,000
	Phase XI:	Jun-20 85,000
	Total:	772,036*
Amount requested for renewal (phase XII) (US \$):		180,000
Amount recommended for approval for phase XII (US \$):		180,000
Agency support costs (US \$):		12,600
Total cost of institutional strengthening phase XII to the Multilateral Fund (US \$):		192,600
Date of approval of country programme:		1997
Date of approval of HCFC phase-out management plan:		2011
Baseline consumption of controlled substances (ODP tonnes):		
(a) Annex B, Group III (methyl chloroform) (average 1998-2000)		0.0
(b) Annex C, Group I (HCFCs) (average 2009-2010)		5.3
(c) Annex E (methyl bromide) (average 1995-1998)		13.7
Latest reported ODS consumption (2021) (ODP tonnes) as per Article 7:		
(a) Annex B, Group III (methyl chloroform)		0.00
(b) Annex C, Group I (HCFCs)		0.92
(c) Annex E (methyl bromide)		0.00
Total:		0.92
Year of reported country programme implementation data:		2022

Summary of the project and country profile	
Amount approved for projects (as at December 2022) (US \$):	3,272,469
Amount disbursed (as at December 2021) (US \$):	2,833,042
ODS to be phased out (as at December 2022) (ODP tonnes):	90.2
ODS phased out (as at December 2021) (ODP tonnes):	90.3

*Including funding approved for phase V at the 51st meeting

8. Summary of activities and funds approved by the Executive Committee:

Summary of activities	Funds approved (US \$)
(a) Investment projects:	1,242,239
(b) Institutional strengthening:	772,036
(c) Project preparation, technical assistance, training and other non-investment projects:	1,258,194
Total:	3,272,469
(d) HFC activities funded from additional voluntary contributions	95,000

Progress report

9. During phase XI of the IS project, Georgia, through the national ozone unit (NOU) of the Ministry of Environmental Protection and Agriculture, successfully carried out the following activities: facilitated the adoption of legal changes including the licensing system for exempt uses of ODS and the mandatory certification of RAC technicians in line with relevant EU regulations; continued to enforce ODS control measures and monitor illegal ODS trade through training customs officers and environmental inspectors; monitored and reported ODS consumption data to the Fund and Ozone Secretariats; completed stage I of the HPMP stage I and started implementation of stage II activities including training RAC technicians in low-GWP alternative alternatives, and building the capacity of vocational schools to incorporate ODS management issues into their curricula; cooperated with private sector representatives on low-GWP alternative demonstration projects; trained public agencies in green procurement of RAC equipment; conducted consultations with stakeholders with regard to the ratification of the Kigali Amendment; public awareness; and actively participated in regional network and Montreal Protocol meetings. Georgia achieved six of the seven IS objectives as efforts to ratify the Kigali Amendment are ongoing.

Plan of action

10. Under phase XII of the IS project the Government of Georgia will update existing legislation on ODS import quotas to include all substances controlled under the Montreal Protocol including the Kigali Amendment which the country expects to ratify in 2023. The NOU will: continue to consult with key stakeholders on the regulatory implications of the ratification of the Kigali Amendment; coordinate the implementation of activities under stage II of the HPMP; improve the Electronic Refrigerant Management System (ERMS) to include refrigerants recovery, recycling, and reclamation operations; ensure timely and accurate reporting on the consumption of controlled substances; organize consultations with private sector representatives on the regulations on mandatory leak checks and ERMS; raise awareness of relevant issues, as well as celebrating International Ozone Day; further strengthen the NOU's capacity. Gender mainstreaming will also be integrated into implementation of the next phase of the IS project including consultation with and training of stakeholders.

Sustainability and risk assessment

11. The NOU of Georgia reported that achievement of IS objectives had been underpinned by high-level government support, efficient and timely support from UNDP, and timely signature of

agreements and disbursement of funds. Risks include the low interest of stakeholders in project activities, insufficient capacity building, technical assistance and awareness raising, and also political support for IS activities. To mitigate these risks, UNDP would provide support from the management level of the UNDP country office through consultations with the NOU, the legal department of the Ministry of Environment on the legislation required to regulate all controlled substances, and further promote consultations with all relevant stakeholders to raise awareness and promote their active participation in activities.

Lebanon: Renewal of institutional strengthening

Summary of the project and country profile		UNDP
Implementing agency:		UNDP
Amounts previously approved for institutional strengthening (US \$):		
Phase I:	May-96	179,000
Phase II:	Jul-00	119,300
Phase III:	Jul-02	155,090
Phase IV:	Dec-04	155,090
Phase V:	Nov-06	155,090
Phase VI:	Nov-08	155,090
Phase VII:	Dec-10	155,090
Phase VIII:	Dec-12	155,090
Phase IX:	Nov-14	155,090
Phase X:	Dec-16	198,515
Phase XI:	Dec-18	198,515
Phase XII:	Dec-20	198,515
	Total:	1,979,475
Amount requested for renewal (phase XIII) (US \$):		410,926
Amount recommended for approval for phase XIII (US \$):		410,926
Agency support costs (US \$):		28,765
Total cost of institutional strengthening phase XIII to the Multilateral Fund (US \$):		439,691
Date of approval of country programme:		1996
Date of approval of HCFC phase-out management plan:		2011
Baseline consumption of controlled substances (ODP tonnes):		
(a) Annex B, Group III (methyl chloroform) (average 1998-2000)		0.0
(b) Annex C, Group I (HCFCs) (average 2009-2010)		73.5
(c) Annex E (methyl bromide) (average 1995-1998)		236.4
Latest reported ODS consumption (2021) (ODP tonnes) as per Article 7:		
(a) Annex B, Group III (methyl chloroform)		0.00
(b) Annex C, Group I (HCFCs)		26.09
(c) Annex E (methyl bromide)		0.00
	Total:	26.09
Year of reported country programme implementation data:		2022
Amount approved for projects (as at December 2022) (US \$):		22,698,546
Amount disbursed (as at December 2021) (US \$):		21,637,945.66
ODS to be phased out (as at December 2022) (ODP tonnes):		1,850.6
ODS phased out (as at December 2021) (ODP tonnes):		1,798.6

12. Summary of activities and funds approved by the Executive Committee:

Summary of activities	Funds approved (US \$)
(a) Investment projects:	17,540,926
(b) Institutional strengthening:	1,979,475
(c) Project preparation, technical assistance, training and other non-investment projects:	3,178,145
	Total:
	22,698,546
(d) HFC activities funded from additional voluntary contributions	1,233,858

Progress report

13. During phase XII of the IS project, the NOU of Lebanon maintained compliance with the Montreal Protocol. The NOU has continued collaboration with government and non-governmental authorities, the industrial, private and public sectors to ensure the phase-out of HCFCs and initiate activities in preparation for the HFC phase-down. The NOU worked closely with the Ministry of Environment providing policy and legislative advice which resulted in the Ministerial decision for the regulations to control HCFCs and HFCs. Activities coordinated by the NOU included: the implementation of stage II of the HPMP to convert the foam and RAC industrial sectors to non-HCFC technologies; enforcement of the regulations for controlled substances including the licensing system to monitor imports of ODS and HFCs; project preparation activities for the Kigali HFC implementation plan and an investment project to adopt low-GWP in the RAC manufacturing sector. The NOU also submitted CP and Article 7 data reports to the Fund and Ozone Secretariats, respectively; actively participated in regional network and Montreal Protocol meetings; and raised public awareness on the Montreal Protocol through seminars and celebration of International Ozone Day. The NOU encouraged all partners and stakeholders to promote the participation of females in Montreal Protocol activities including the RAC sector and a checklist for gender mainstreaming in project planning was prepared. Lebanon achieved all seven IS objectives.

Plan of action

14. Under phase XIII the Government of Lebanon will continue the phase-out of HCFCs and phase-down of HFCs through the following activities: strengthening regulations and enforcing the licensing decree to achieve further reductions of HCFC consumption and the control of HFC imports through quotas; continued monitoring of the enforcement of the regulations and legislation for controlled substances in coordination with relevant national stakeholders; continued monitoring and supervision of the implementation of stage II of the HPMP; awareness raising and capacity building in relation to the Kigali Amendment; outreach activities focussing on the refrigeration servicing sector; and, activities to promote networking and stakeholder engagement. The NOU will finalize preparation of stage I of the KIP for Lebanon for submission to the Executive Committee in 2023 or 2024; attend Montreal Protocol meetings to participate in discussions on the cost guidelines for HFC phase-down, energy efficiency and so on. Gender mainstreaming will be integrated into implementation of the next phase of the IS project including training activities in the RAC sector.

Sustainability and risk assessment

15. The NOU reported that efforts to meet IS objectives had been facilitated by high-level government support, efficient and timely support from UNDP, and timely signature of agreements and disbursement of funds. The NOU also stressed the importance of collaboration with stakeholders. Potential risks were the political and economic instability in the country. To mitigate the risks the NOU plans to monitor the situation and continue consultations with the relevant Government and private sector partners, as well as continuing to monitor the enforcement of regulations and legislation.

Venezuela (Bolivarian Republic of): Renewal of institutional strengthening

Summary of the project and country profile			
Implementing agency:			UNDP
Amounts previously approved for institutional strengthening (US \$):			
Phase I:		Mar-93	329,192
Phase II:	Jul-95 &	May-96	109,800
Phase III:		Oct-96	219,600
Phase IV:		Jul-98	219,600
Phase V:		Jul-00	219,600
Phase VI:		Jul-02	285,480
Phase VII:		Jul-04	285,480
Phase VIII:		Jul-06	285,480

Phase IX:	Nov-08	285,480
Phase X:	Dec-10	285,480
Phase XI:	Dec-12	285,480
Phase XII:	Nov-14	285,480
Phase XIII:	Dec-16	365,414
Phase XIV:	Dec-18	365,414
	Total:	3,826,980
Amount requested for renewal (phase XV) (US \$):		756,407
Amount recommended for approval for phase XV (US \$):		756,407
Agency support costs (US \$):		52,948
Total cost of institutional strengthening phase XV to the Multilateral Fund (US \$):		809,355
Date of approval of country programme:		1995
Date of approval of HCFC phase-out management plan:		2011
Baseline consumption of controlled substances (ODP tonnes):		
Annex B, Group III (methyl chloroform) (average 1998-2000)		4.7
Annex C, Group I (HCFCs) (average 2009-2010)		207.0
Annex E, (methyl bromide) (average 1995-1998)		10.3
Latest reported ODS consumption (2021) (ODP tonnes) as per Article 7:		
Annex B, Group III (methyl chloroform)		0
Annex C, Group I (HCFCs)		0
Annex E, (methyl bromide)		0
Total:		0
Year of reported country programme implementation data:		2022
Amount approved for projects (as at December 2022) (US \$):		53,897,655
Amount disbursed (as at December 2021) (US \$):		49,510,708
ODS to be phased out (as at December 2022) (ODP tonnes):		2,474.97
ODS phased out (as at December 2021) (ODP tonnes):		2,416.50

16. Summary of activities and funds approved by the Executive Committee:

Summary of activities		Funds approved (US \$)
(a)	Investment projects:	43,518,166
(b)	Institutional strengthening:	3,826,980
(c)	Project preparation, technical assistance, training and other non-investment projects:	6,552,509
Total:		53,897,655
(d)	HFC activities funded from additional voluntary contributions	250,000

Progress report

17. During phase XIV of the IS project, the Bolivarian Republic of Venezuela faced severe economic difficulties that on one hand delayed the implementation of activities, and on the other led to a reduction of HCFC imports and the cessation of local HCFC-22 production in 2020. The country continued the application of the quota system for the import of HCFC-141b and enforced the ban on the import of HCFC-22 and HCFC-based equipment. Furthermore, legislation was enacted in April 2023 which will ban the production of HCFC-22, the manufacturing and new installations of all RAC equipment based on HCFC-22, and the import of HCFC-141b, both pure and contained in pre-blended polyols. The Kigali Amendment was ratified on 5 December 2022 and some measures to support future compliance with the Kigali Amendment included the approval of voluntary technical standards for handling fluorinated and flammable refrigerants and their inclusion into relevant training courses. The Government is revising regulations to incorporate the HFC phase-down schedule and HFC licensing regulations and approval is expected by early 2024. The country celebrated International Ozone Day and raised awareness of the Montreal Protocol through social media. Despite the challenges, the country achieved two of the seven IS objectives, and partially achieved five objectives because there was a delay in submitting country programme and Article 7 data, the inter-ministerial coordination process had not been finalized,

implementation of the HPMP had been delayed, and the country was not able to participate in regional meetings, and because there were no gender related activities.

Plan of action

18. During the upcoming phase, the Bolivarian Republic of Venezuela will continue its efforts to maintain reductions in HCFC consumption through the allocation of import quotas and issuance of licenses. The country will start to address the control of HFC by finalizing the HFC licensing and quota system, and preparation of the KIP and projects to comply with the HFC control measures. The NOU will review existing agreements on inter-governmental cooperation mechanisms and establish new agreements to facilitate the implementation of the Montreal Protocol and its Kigali Amendment, including synergies with the Ministry of Eco-socialism's climate and energy departments. The NOU also plans to strengthen the technical capacity for the safe use of alternative refrigerants and conduct information dissemination campaigns to support the implementation of activities especially those related to the Kigali Amendment. Gender mainstreaming will also be integrated into implementation of the next phase of the IS project.

Sustainability and risk assessment

19. The NOU reported that efforts to meet IS objectives had been supported by high-level government support, and efficient and timely support from UNDP. The import and export licensing system substances, direct collaboration with Customs and stakeholders considerably reduce the risk of non-compliance and ensures the sustainability of ODS phase-out. During phase XIV there were changes within FONDOIN, (Fundación Fondo Venezolano de Reconversión Industrial y Tecnológica), which implements the IS project, that caused some implementation delays due the learning curve for the new management; however, this change has also reactivated the project. The main risks for the fulfilment of the project's objectives are related to the economic situation of the country, inflation, and the exchange rate of the national currency and to mitigate these risks the implementing agency will monitor and adjust project implementation procedures as necessary. The IS project staff have strong technical knowledge and experience in the use of new technologies, which minimizes the risks associated with their introduction. Furthermore, the NOU was strengthened with the recruitment of an additional staff member with a technical background in energy and climate.

Annex II

DRAFT VIEWS EXPRESSED BY THE EXECUTIVE COMMITTEE ON RENEWAL OF INSTITUTIONAL STRENGTHENING PROJECTS SUBMITTED TO THE 92nd MEETING

Argentina

1. The Executive Committee reviewed the report submitted with the request for the renewal of the institutional strengthening project for Argentina (phase XI) and noted with appreciation that the Government of Argentina had reported country programme implementation data and Article 7 data to the Fund Secretariat and Ozone Secretariats, respectively, indicating that the country is in compliance with the Montreal Protocol. The Executive Committee further noted that Argentina had taken steps to phase out HCFC consumption including implementation of HCFC import controls through the licensing and quota system, and close collaboration with customs and training of refrigeration technicians. The Executive Committee acknowledged with appreciation the country's ratification of the Kigali Amendment in November 2019 and the modification of the licensing system to include HFCs and is, therefore, confident that the Government of Argentina will continue implementing HCFC phase-out activities and institutional strengthening project and submit the Kigali HFC implementation plan in an effective manner to achieve compliance with the Montreal Protocol control measures.

Chile

2. The Executive Committee reviewed the report submitted with the request for the renewal of the institutional strengthening project for Chile (phase XV) and noted with appreciation that the Government of Chile had reported country programme implementation data and Article 7 data to the Fund Secretariat and Ozone Secretariats, respectively, indicating that the country is in compliance with the Montreal Protocol. The Executive Committee further noted that the Government of Chile has taken steps to phase out ODS consumption; in particular, implementation of HCFC imports controls through the licensing and quota system, and training of customs officers and refrigeration technicians. The Executive Committee also noted with appreciation the activities initiated to facilitate the implementation of the Kigali Amendment. The Executive Committee acknowledged the efforts of the Government of Chile and is, therefore, hopeful that during the next three years, the Government of Chile will implement institutional strengthening activities, the HCFC phase-out management plan, and the Kigali HFC implementation plan in order to sustain the HCFC consumption phase-out already achieved and establish the foundation for the phase-down of HFCs.

Georgia

3. The Executive Committee reviewed the report presented with the request for the renewal of the institutional strengthening project (phase XII) and noted with appreciation that the Government of Georgia had reported country programme implementation data and Article 7 data to the Fund and Ozone Secretariats, respectively, indicating that the country is in compliance with the Montreal Protocol. The Executive Committee acknowledges that Georgia demonstrated its commitment to the gradual phase-out of HCFC consumption by meeting the 2020 control measure of the Montreal Protocol, and the further gradual reductions in HCFC imports and use. The Committee further noted the Government of Georgia's progress towards ratification of the Kigali Amendment. The Executive Committee is, therefore, hopeful that Georgia will achieve compliance with the control measures to reduce its HCFC consumption by 67.5 per cent by 2025 and ratify the Kigali Amendment in the near future.

Lebanon

4. The Executive Committee reviewed the report presented with the request for renewal of institutional strengthening project for Lebanon (phase XIII) and noted with appreciation that the

Government of Lebanon had reported country programme implementation data and Article 7 data to the Fund and Ozone Secretariats, respectively, indicating that the country is in compliance with the Montreal Protocol. The Executive Committee acknowledged the country's efforts in achieving and sustaining the agreed accelerated HCFC reduction targets through the continuous monitoring of the ODS quota and licensing system, implementation of stage II of the HPMP and oversight activities by the Government. The Executive Committee also notes with appreciation the concrete step taken by the Government to phase down HFCs through their inclusion in the licensing system, and is, therefore, hopeful that within the next three years, the Government of Lebanon will continue the implementation of its HCFC phase-out management plan and institutional strengthening project and commence implementation of the Kigali HFC implementation plan to achieve and sustain compliance with the Montreal Protocol obligations.

Venezuela (Bolivarian Republic of)

5. The Executive Committee reviewed the report submitted with the request for the renewal of the institutional strengthening project for the Bolivarian Republic of Venezuela (phase XV) and noted with appreciation the fact that the Government of the Bolivarian Republic of Venezuela reported and country programme implementation data and Article 7 data to the Fund and Ozone Secretariats, respectively, indicating that the country in compliance with the Montreal Protocol. The Executive Committee further noted that the country had taken steps to phase out ODS consumption, including the implementation of HCFC import controls through the licensing and quota system, and training of customs officers and refrigeration technicians. The Executive Committee also noted with appreciation the activities initiated to facilitate the implementation of the Kigali Amendment. The Executive Committee acknowledged the effort required and the challenges faced by the Government of Bolivarian Republic of Venezuela and is, therefore, hopeful that the next three years, the Government will continue implementation of the HCFC phase-out management plan, the preparation for the Kigali HFC implementation plan, and institutional strengthening project activities with success to achieve the agreed 88.8 per cent reduction in HCFC consumption by 1 January 2023 and to establish the foundation for phase-down under the Kigali Amendment.



**92nd Meeting of the Executive Committee of the Multilateral Fund
for the Implementation of the Montreal Protocol**

(29 May – 2 June 2023)

**UNDP
2023 WORK PROGRAMME**

2023 WORK PROGRAMME

I. EXECUTIVE SUMMARY

The present document constitutes UNDP's 2023 Work Programme and is being submitted for consideration of the Executive Committee (ExCom) at its 92nd Meeting. The list of submissions for all funding requests (including investment projects) that will be submitted by UNDP to the 92nd ExCom meeting in Annex 1 to this document is provided for information. Project documentation such as tranche requests under multi-year agreements (MYA), investment and demonstration project proposals and other individual proposals are not included in this document and are submitted separately as per normal practice. Only the following (non-investment) submissions are part of this document.

II. FUNDING REQUESTS PART OF THE WORK PROGRAMME

Institutional Strengthening Extensions

UNDP is submitting the requests for funding the extension of institutional strengthening projects to the 92nd ExCom Meeting as tabulated below. Relevant terminal reports and requests for extension of funding are being submitted separately.

Country	Type	Title	Duration (months)	Amount	Agency Fee	Total
Argentina	INS	Institutional Strengthening Renewal (Phase XI)	36	825,528	57,787	883,315
Chile	INS	Institutional Strengthening Renewal (Phase XV)	36	494,283	34,600	528,883
Georgia	INS	Institutional Strengthening Renewal (Phase XII)	36	180,000	12,600	192,600
Lebanon	INS	Institutional Strengthening Renewal (Phase XIII)	36	410,926	28,765	439,691
Venezuela	INS	Institutional Strengthening Renewal (Phase XV)	36	756,407	52,948	809,355
Total (5 requests)				2,667,144	186,700	2,853,844

Preparation funding request for HPMP stage III

UNDP is submitting the following funding request for the preparation of stage III of HPMP to the 92nd ExCom meeting. The Annex 2 contains the PRP submission.

Country	Type	Title	Duration (months)	Amount	Agency Fee	Total
Lebanon	PRP	PRP for HPMP Stage III	18	60,000	4,200	64,200
Total (1 request)				60,000	4,200	64,200

Preparation funding requests for HFCs Stand-alone Projects

UNDP is submitting the following funding requests for the preparation of stand-alone HFCs Phase-down Investment Projects to the 92nd ExCom meeting. Annex 3 contains the PRP Request submissions.

Country	Type	Title	Duration (months)	Amount	Agency Fee	Total
India	PRP	Replacement of R-404A and R-407C in MechAir	12	30,000	2,100	32,100

Country	Type	Title	Duration (months)	Amount	Agency Fee	Total
India	PRP	Replacement of R-134a in Rockwell Hyderabad	12	30,000	2,100	32,100
India	PRP	Replacement of R-134a In Chillers for Voltas	12	30,000	2,100	32,100
Total (3 requests)				90,000	6,300	96,300

Other requests for non-investment projects

As part of the Work Programme, UNDP is requesting the ExCom to approve the funding for the following countries for verification reports for the HPMPs.

Country	Type	Title	Duration (months)	Amount	Agency Fee	Total
Fiji	TAS	HPMP verification report	12	30,000	2,700	32,700
Total (1 requests)				30,000	2,700	32,700

III. SUMMARY OF FUNDING REQUESTS (WORK PROGRAMME)

The table below summarizes the funding requests for non-investment activities and proposals being submitted to the 92nd ExCom Meeting as part of UNDP's Work Programme for 2023:

Country	Type	Title	Duration (months)	Amount	Agency Fee	Total
Argentina	INS	Institutional Strengthening Renewal (Phase XI)	36	825,528	57,787	883,315
Chile	INS	Institutional Strengthening Renewal (Phase XV)	36	494,283	34,600	528,883
Fiji	TAS	HPMP verification report	12	30,000	2,700	32,700
Georgia	INS	Institutional Strengthening Renewal (Phase XII)	36	180,000	12,600	192,600
India	PRP	Replacement of R-404A and R-407C in MechAir	12	30,000	2,100	32,100
India	PRP	Replacement of R-134a in Rockwell Hyderabad	12	30,000	2,100	32,100
India	PRP	Replacement of R-134a In Chillers for Voltas	12	30,000	2,100	32,100
Lebanon	INS	Institutional Strengthening Renewal (Phase XIII)	36	410,926	28,765	439,691
Lebanon	PRP	PRP for HPMP Stage III	18	60,000	4,200	64,200
Venezuela	INS	Institutional Strengthening Renewal (Phase XV)	36	756,407	52,948	809,355
Total (10 requests)				2,847,144	199,900	3,047,044

ANNEX 1

List of all UNDP submissions for funding to the 92nd ExCom Meeting

No	Country	Type	Description	Funding Request to the 92 nd ExCom (US\$)		
				Amount	Agency Fee	Total
1	Argentina	INS	Institutional Strengthening Renewal (Phase XI)	825,528	57,787	883,315
2	Chile	INS	Institutional Strengthening Renewal (Phase XV)	494,283	34,600	528,883
3	Costa Rica	KIP	Stage I Kigali Implementation Plan - 1st tranche	1,612,749	112,892	1,725,641
4	Cuba	PHA	Stage II HPMP - second tranche	260,000	18,200	278,200
5	Dominican Republic	PHA	Stage III HPMP - second tranche	964,808	67,537	1,032,345
6	Georgia	INS	Institutional Strengthening Renewal (Phase XII)	180,000	12,600	192,600
7	Guyana	PHA	Stage II HPMP - third and fourth tranches	160,000	11,200	171,200
8	Fiji	TAS	HPMP verification report	30,000	2,100	32,100
9	India	PRP	Replacement of R-404A and R-407C in MechAir	30,000	2,100	32,100
10	India	PRP	Replacement of R-134a in Rockwell Hyderabad	30,000	2,100	32,100
11	India	PRP	Replacement of R-134a In Chillers for Voltas	30,000	2,100	32,100
12	Indonesia	PHA	Stage III HPMP - first tranche	3,640,244	254,817	3,895,061
13	Indonesia	PHA	Stage II HPMP - fourth tranche	433,300	30,331	463,631
14	Lebanon	INS	Institutional Strengthening Renewal (Phase XIII)	410,926	28,765	439,691
15	Lebanon	PHA	Stage II HPMP - fourth tranche	259,364	18,155	277,519
16	Lebanon	PRP	PRP for HPMP Stage III	60,000	4,200	64,200
17	Mali	PHA	Stage I HPMP - fifth tranche	28,000	2,100	30,100
18	Mexico	INV	Phase-out of HFCs in Friocima	237,800	21,402	259,202
19	Panama	PHA	Stage III HPMP - second tranche	497,612	34,833	532,445
20	Uruguay	PHA	Stage III HPMP - second tranche	445,318	31,172	476,490
21	Venezuela	INS	Institutional Strengthening Renewal (Phase XV)	756,407	52,948	809,355
22	Zimbabwe	PHA	Stage II HPMP - fourth tranche	150,000	10,500	160,500
Total (22 requests)				11,536,339	812,440	12,348,779

Notes:

- a. All amounts in are in US dollars.
- b. Special reports due (delays, balances, status reports, etc.) as well as other projects not part of the WPA will be submitted separately.

ANNEX 2

Preparation funding request for HPMP stage III

1. Lebanon

**MULTILATERAL FUND FOR THE
IMPLEMENTATION OF THE MONTREAL PROTOCOL
HPMP PROJECT PREPARATION REQUEST FORM
HCFC PHASE-OUT MANAGEMENT PLAN (OVERARCHING STRATEGY)**

Part I: Project Information

Project title:	Preparation of Stage III of the HCFCs Phase-out Management Plan	
Country:	Lebanon	
Lead implementing agency:	UNDP	
Cooperating agency (1):	(select)	Click or tap here to enter text.
Cooperating agency (2):	(select)	Click or tap here to enter text.
Implementation period:	18 months	
Funding requested:		
Agency	Sector	Funding requested (US \$)*
UNDP	Overarching	60,000
(select)	(select)	Click or tap here to enter text.

*Details should be consistent with information provided in the relevant sections below.

Part II: Prerequisites for submission

Item	Yes	No
1. Official endorsement letter from Government specifying roles of respective agencies (where more than one IA is involved)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. Written confirmation – balances from previous PRP funding approved for stage II HPMP had been returned / will be returned (decision 71/42(i))	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<ul style="list-style-type: none"> Specify meeting at which PRP funding balance had been returned/will be returned 	There is no balance from previous PRP funding.	

A. Information required to support PRP funding (Overarching strategy)

1. Montreal Protocol compliance target to be met in <input type="checkbox"/> stage II / <input type="checkbox"/> stage III of the HPMP			
Phase-out commitment (%)	97.5	Year of commitment	2030
<input checked="" type="checkbox"/> Servicing only	<input type="checkbox"/> Manufacturing only	<input type="checkbox"/> Servicing and manufacturing	
2. Brief background on previous stage of the HPMP (i.e., when the HPMP was approved; a description of the progress in implementation of the previous stage of the HPMP to demonstrate that substantial progress had been made.)			
<ol style="list-style-type: none"> The HPMP of Lebanon (Stage I) was approved at the 64th Meeting of the Executive Committee in July 2011 at a total funding level of US\$ 2,495,109, plus agency support costs of US\$ 187,133 for the period of 2011 to 2017 to reduce HCFC consumption by 17.5% of the baseline. Lebanon reduced its HCFC consumption from its freeze level of 73.5 ODP tons to 60.64 ODP tons by the year 2017, thus achieved the target set in compliance with the Montreal Protocol guidelines. To prepare the second stage (Stage-II) of the HPMP, Lebanon requested preparation funding at the 72nd meeting of the Executive Committee held in July 2014. The fund was approved at a level of US\$ 150,000, which was used for conducting the field survey on HCFC consumption levels and trends including update of data collected during HPMP Stage-I, where necessary, and developing a strategy for achieving future targets for HCFC phase-out. The Stage II of HPMP for Lebanon was subsequently approved at the 75th meeting of the Executive Committee of the Multilateral Fund through decision 75/46 for the period 2015 to 2025 to reduce the HCFC consumption by 75 percent of the baseline by 2024, at a total funding level of US\$ 4,203,826 plus agency support costs of US \$294,268. In Stage-II, Lebanon prioritized HCFC phase-out in the foam applications and addressed HCFC consumption in air-conditioning, refrigeration, and servicing sectors. The total phase-out of HCFC-22 will be 26.08 ODP tonnes and HCFC-141b will be 19.64 ODP tonnes. 			

3. Current progress in implementation of previous stage of the HPMP		
Activity	Description	Implementing agency
Legal/regulatory framework	(Completed) The use of HCFC-141b in RAC sector for flushing and cleaning purposes and in Foam sector (sandwich panels and insulation for solar & electric water heaters) were banned in 2018 and 2021. New registration of ODS importers and control of trade of ODS (ODS licensing system) and quota system were established.	UNDP
Manufacturing-Foam PU	(Completed) A total of 265 metric tonnes of HCFC-141b from the aggregated total consumption of Annex C, Group I substances were phased out. This is achieved through successful conversion to the alternative technology of Iso-pentane at 4 large and 2 small sandwich panels manufacturing enterprises, and conversion to HFO polyol blend technology at 11 solar and electric water heaters enterprises.	UNDP
Manufacturing-AC	(Completed) The air conditioning sector completed HCFCs phase-out in December 2020 (zero consumption ever since). A total of 59.63 metric tonnes of HCFC-22 were phased out.	UNDP
Refrigeration servicing sector	(On-going) Due to the COVID pandemic and the political instability in the country since 2019, phase-out activities in the RAC servicing sector was not targeted. However, all infrastructure such as the establishment of RAC training centers, upgraded curricula and a strategy for the phase-out of HCFCs in the servicing sector were in place.	UNDP
Refrigeration servicing sector	(On-going) Three RAC centers were established at three vocational schools, fully equipped with teaching equipment and tools for training and educational purposes targeting the students and the technicians in the sector. Training manuals and curricula were developed for the RAC center at the vocational schools. RAC technician's guidebooks were distributed at the vocational schools to students and technicians. A total of 25 teachers and 75 students and technicians were trained in the three RAC centers.	UNDP
Refrigeration servicing sector	(On-going) Three trainers will be trained in Germany on dealing with HCFCs in HVAC, and on applications of low GWP refrigerants for mainly the commercial refrigeration and industrial A/C systems. This "training the trainers" programme will support the development of training procedure for the technicians and students in Lebanon and enable them to gain knowledge and hands-on experience from trainers. This will also result in better application of the new upgraded curriculum at all vocational schools and enhance technical capacity of the servicing sector in general.	UNDP
Others, specify.	(On-going) continuous implementation and monitoring support delivered by NOU staff.	UNDP

4. Overview of current HCFC consumption in metric tonnes by substance (last three years)				
Substance	Sector	2019	2020	2021
HCFC-22	Manufacturing-AC	32.8	0	0
HCFC-22	Manufacturing-Foam PU	0	0	0
HCFC-22	RAC servicing	470.70	504.55	462.38
HCFC-22	Manufacturing-REF	12.20	12.00	11.50
HCFC-141b	Manufacturing-AC	2.50	0	0
HCFC-141b	Manufacturing-Foam PU	125.57	40.93	0
HCFC-141b	RAC servicing	0	0	0
HCFC-141b	Manufacturing-REF	11.00	11.50	0

(select)	(select)		
5. Based on the consumption data given above, please provide a description of the sector/sub-sector that use HCFCs in the country, including a short analysis and explanation of the consumption trends (i.e., increasing or decreasing)			
In December 2020, the air conditioning sector completed the phase-out of HCFCs (zero consumption since then). Foam sector also completed the phase-out of HCFCs in December 2020. Demand for HCFCs in service sector will continue to grow under the projected scenario till the population of equipment using HCFCs as the refrigerant decreases. It is not expected that the equipment population will continue to increase over the next 2 years (at least) and this will contribute to a decrease in the servicing demand.			
6. Description of information that needs to be gathered and updated. Explain why this has not been undertaken during preparation for the previous stage of the HPMP.			
Information needed	Description	Agency	
Updated data on HCFC consumption in manufacturing/servicing sector	Review data and cross-check “bottom-up” information gathered in the past Country Programmes	UNDP	
Updated sectoral consumption information	Assess granular data per sub-sector/application and better assess downstream trends.	UNDP	
Analysis of types of equipmentt using HCFCs	Update current market profile and trends of use of HCFCs-based equipment	UNDP	
New information on ODS regulations	Review current regulatory framework and carry on a holistic assessment on their effectiveness to better capture lessons learned and identify potential remaining barriers to be removed.	UNDP	
Others, specify.	Carry on proper consultations with stakeholders, validate results of the surveys and the PRP process, draft the updated over-arching strategy and the RAC servicing sector plan, endorse strategies with stakeholders, obtain approvals from institutions responsible for the MP framework in country, translate HPMP-III, submit document to ExCom and follow up negotiation and approval process.	UNDP	
7. Activities to be undertaken for project preparation and funding			
Activity	Indicative funding (US \$)	Agency	
Update HCFCs downstream data.	10,000	UNDP	
Assess HCFCs and HCFCs-based equipment market	10,000	UNDP	
Review Institutional and Regulatory baselines	8,000	UNDP	
Conduct Gender Assessment	7,000	UNDP	
Convene Stakeholders Meetings, (including missions)	20,000	UNDP	
Sundry (draft and translations, printed materials)	5,000	UNDP	
TOTAL	60,000		
8. How will activities related to implementation of the Kigali Amendment to phase down HFCs be considered during project preparation for stage III of the HPMP?			
The overarching strategy will focus on the HCFC phase-out, however the Government of Lebanon is keen to promote ozone-friendly, climate-friendly and energy-efficient technologies to the extent possible within the current guidelines and available funding under the Stage III. The strategy will also support, at the possible extent given the MLF guidelines, to raise awareness of stakeholders on the Kigali Amendment and its future obligations and the relationship with the reduction of HCFC.			
9. How will the Multilateral Fund gender policy be considered during project preparation?			
During the project preparation, gender considerations and actions on gender mainstreaming will be assessed and a proper Gender Management Plan is to be included in the HPMP-III over-arching strategy: the following actions are expected to be carried in the preparation phase:			
<ul style="list-style-type: none"> • To collect data to produce gender-disaggregated indicators • Look into introduction of gender considerations when designing components and activities (presentation of sex-disaggregated data and visuals of women and men where applicable) • To establish a baseline of women technicians in R&AC sector and compare it with the number of women involved in NOU R&AC activities 			

- To incorporate gender aspects in the recruitment of staff for the PRP (emphasizing that female candidates are welcome and encouraged to apply)
- Assurance that consultants and project personnel have the required gender competence to reflect on progress and challenges related to gender.
- Draft a Gender Management Plan to be supported as part of the HPMP-III over-arching strategy

ANNEX 3

Preparation funding requests for HFC phase down Investment Projects:

1. India

**MULTILATERAL FUND FOR THE
IMPLEMENTATION OF THE MONTREAL PROTOCOL
KIGALI-HFC IMPLEMENTATION PLAN (KIP) PROJECT PREPARATION (PRP)
KIP (INV-OTHER)**

Part I: Project information

Project title:	Project 1: Replacement of R-404A and R-407C with CO2 in the Refrigeration Manufacturing sector at Mech Air Industries, Vadodara Project 2: Replacement of R-134a with R-290 in the Refrigeration Manufacturing Sector at Rockwell Industries, Hyderabad Project 3: Replacement of R-134a and R-407C with R-1234ze/R1234yf in the in Chillers at Voltas Limited, Vadodara2029-2032	
Country:	India	
Lead implementing agency:	UNDP	
Cooperating agency (1):	(select)	Click or tap here to enter text.
Cooperating agency (2):	(select)	Click or tap here to enter text.
Cooperating agency (3):	(select)	Click or tap here to enter text.
Implementation period for stage I of the KIP:	2029-2032	
Duration of PRP implementation (i.e., time (in months) from the approval of PRP to submission of the KIP (please specify): 12 months		
Funding requested:		
Agency	Sector	Funding requested (US \$)*
UNDP	INV - REF	60,000
UNDP	INV - AC	30,000
(select)	(select)	Click or tap here to enter text.
(select)	(select)	Click or tap here to enter text.

*Details should be consistent with information provided in the relevant sections below.

Part II: Prerequisites for submission

Item	Yes	No
Official endorsement letter from Government, indicating the specifying roles of respective agencies (where more than one IA is involved)	<input checked="" type="checkbox"/>	<input type="checkbox"/>

A. Information required for PRP funding request for the overarching strategy of the KIP

1. Montreal Protocol compliance target to be met in <input checked="" type="checkbox"/> stage I of the KIP			
Phase-out commitment (%)	10%	Year of commitment	2032
<input type="checkbox"/> Servicing only		<input checked="" type="checkbox"/> Manufacturing only	<input type="checkbox"/> Servicing and manufacturing
2. Brief background/description/information on approved relevant projects and multi-year agreements as follows:			
<ul style="list-style-type: none"> The current progress in implementation of any funded HFC-related project (enabling activities or stand-alone HFC investment projects) The current progress in ongoing HCFC phase-out management plan (HPMPs) Consideration of integrating HFC phase-down activities with HPMP activities taking into account previously approved HFC-related projects, if this information is available. 			
<p>India ratified the Kigali Amendment to the Montreal Protocol on 27 September 2021. The Kigali Amendment came into force for India on 26 December 2021. As per the provisions of the Montreal Protocol, licensing system has been put in place before 26 March 2022. Data reporting on HFCs and blends containing HFCs for the year 2021 was also done during 2022 and will continue. India is in the process of developing a National Strategy including policy framework for HFC phase down in the country, which is expected to be completed by 2023. Regarding HCFC phase out, India has met the 2013, 2015 and 2020 compliance targets as per the accelerated phase out schedule of the Montreal Protocol through implementation of HPMP Stage-1 and HPMP Stage-2 as well as through the policy and regulatory framework put in place for HCFC phase out. India also complied with the provisions of agreement with the ExCom both for HPMP Stage-1 and HPMP Stage-2. The stage-3 of the HPMP was approved in the 91st meeting of the ExCom of the MLF, to meet the 2025 and</p>			

<p>2030 HCFC compliance targets and to be implemented from 2023 to 2030, with complete phase out of HCFCs in the manufacturing sectors by 31.12.2024. Activities in the servicing sector will continue till 2030. Since there is no previous experience of implementing any HFC phase down projects and also considering that the national strategy and policy framework for HFC phase down in line with the Kigali Amendment to the Montreal Protocol is being developed, presently India has not considered integrating HFC phase down activities with HPMP activities. This aspect could be examined once the national strategy and policy framework for HFC phasedown is ready.</p>				
3. Overview of current HFC consumption in metric tonnes by substance (last three years)				
Substance/blend	Sector	2019	2020	2021
(select)	Manufacturing-REF	n/a	n/a	n/a
(select)	Manufacturing-REF	n/a	n/a	n/a
(select)	Manufacturing-AC	n/a	n/a	n/a
(select)	(select)			
(select)	(select)			
(select)	(select)			
(select)	(select)			
(select)	(select)			
(select)	(select)			
4. Based on the consumption data given above, please provide a description of the sector/sub-sector that use HFCs in the country, including a short analysis and explanation of the consumption trends (i.e., increasing or decreasing)				
<p>India is implementing its Enabling Activity Project (EA) that forms part of the national efforts for the development of an overall national strategy for HFCs control. Under this framework, sector specific questionnaires are being applied to collect the referred HFC sector-wise data. Upon this validation, the proper analysis of the trends of HFC production and consumption will be possible to be made. Keeping in view that HFCs have been brought under licensing system only in March 2022, HFC data for the previous years is not readily available. Once the data collection exercise is complete, the information is likely to be available. It is important to note that India is Party to the Group 2 of the Kigali Amendment, in which baseline is establish with different years of consumption than the above.</p>				
5. Description of information that needs to be gathered during project preparation. Explain how this data will be gathered				
Information needed	Description		Agency	
Data on HFC consumption in manufacturing/servicing sector	Collect specific HFC use data at company level for three years, cross-check and validate consumption with Importers/Distributors		UNDP	
Analysis of the types of equipment using HFCs	Assess and verify the company production profile, production output, baseline manufacturing equipment as well as review needs and estimate costs for the modifications needed for technology conversion need to be examined		UNDP	
Others, specify.	Assess the viability for use of the proposed alternatives need to be examined taking into account global experiences as well as national circumstances in terms of local supply chain and servicing sector needs.		UNDP	
(select)	Click or tap here to enter text.		(select)	
6. Activities to be undertaken for project preparation and funding (decision 87/xx(b))				
Activity	Indicative funding (US \$)		Agency	
Data collection for developing project proposals	50,000		UNDP	
Consultations with the 3 enterprises, including site visit for verification of consumption,	30,000		UNDP	

baseline equipment, manufacturing process		
Assess the viability of proposed alternatives and their supply chain, and propose other options to the enterprises, considering the information collected	15,000	UNDP
Finalize project proposals and conduct independent Peer Review and translations to English/Hindi.	25,000	UNDP
Conduct the consultation with nodal line ministries/departments, submit project to Steering Committee and stakeholders. Submit project and follow up negotiation and approval procedures that might require technical experts continued input.	15,000	UNDP
TOTAL	90,000	
7. How will activities related to preparing the KIP be linked to the current stages of the HPMP being implemented in the country? (OPTIONAL)		
Not applicable		
8. How will the Multilateral Fund gender policy be considered during project preparation?		
In line with the decision 84/92, the operational policy on gender mainstreaming would be applied wherever feasible in the preparation of the 3 HFC projects including in the following activities (a) Encouraging participation in the consultative meetings. (b) Promoting awareness to develop staff competency and awareness on gender mainstreaming as part of the consultation exercise. (c) Share experiences and lessons learned on gender mainstreaming.		

B. Information required for PRP funding request for investment projects/sector plans as part of or in advance of the KIP

1. Agency:	UNDP
2. Sector: Refrigeration and AC (Chillers)	Refrigeration
3. HFC consumption in item #2 reported under country programme data?	<input checked="" type="checkbox"/> Yes, please specify reported amount and year: <u>2021</u> <input type="checkbox"/> No
4. Does the enterprise commit to phase out the HFC consumption associated with the proposed investment project, if approved by the Executive Committee?	<input checked="" type="checkbox"/> Yes, please provide support letter <u> </u> <input type="checkbox"/> No
5. If the project preparation is requested in advance of the KIP, did the Government provide a written commitment that the consumption associated with these investment projects, once approved, will be deducted from the country's starting point, once established?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
6. Please explain briefly how the investment project would relate to the overarching strategy for the country, and when the final KIP will be submitted (decision 87/50(e))	The proposed three projects focus on three manufacturing sectors that, globally, are responsible to a relevant use of very-high GWP HFCs (Commercial Refrigeration and Air Conditioning sectors) which are anticipated to be very relevant to India's consumption profile.

	<p>Thus, stand-alone investment projects in these sectors are expected to demonstrate to sector stakeholders what type of mature technologies can be immediately adopted, will support the Government of India to understand the dynamics of the manufacturing sector that uses HFCs and how its supply chain is organized.</p> <p>The projects will also provide additional critical information about conversion (technical and financial) to the MLF which can further support the national HFC phase down Plans to be submitted in the coming years.</p> <p>The experiences from these projects would help in development of overarching strategy of the Stage-1 of the KIPS for India and other countries.</p>				
7. Information on sector consumption (specify previous year HFC consumption)					
Substance		Consumption (metric tonnes) in 2021			
HFC-134a		1,0041.67MT			
Others, specify.		(R-404A)	631.62 MT		
Others, specify.		(R-407C)	1,277.56 MT		
8. Information on enterprise(s) for which funding is being sought					
Enterprise	Year established	HFC consumption (metric tonnes) (last three years)			HFC phase-out to be achieved (metric tonnes and CO ₂ -eq. tonnes)
		2019	2020	2021	
Mech Industries, Vadodara	Air	<i>The detailed information will be collected as part of the questionnaire to be developed for data collection and included in the project proposal for each enterprise.</i>			
Voltas Ltd, Vadodara	Ltd,				
Rockwell industries, Hyderabad					
9. Activities to be undertaken for preparation of the investment project and funding requested					
Activity		Indicative funding (US \$)		Bilateral/implementing agency	
Company Level data collection and Project design		35,000		UNDP	
Project Validation and Peer Review		25,000		UNDP	
Project final verification, national consultation, and endorsement procedures. Project submission and follow ups.		15,000		UNDP	
Alternatives and Supply Chain assessment		15,000		UNDP	
Click or tap here to enter text.					
TOTAL		90,000			