



联合国
环境规划署



Distr.
GENERAL

UNEP/OzL.Pro/ExCom/72/17
9 April 2014

CHINESE
ORIGINAL: ENGLISH

执行蒙特利尔议定书
多边基金执行委员会
第七十二次会议
2014年5月12日至16日，蒙特利尔

2014年世界银行工作方案

基金秘书处的评论和建议

1. 世界银行要求执行委员会为 2014 年工作方案批准 440,000 美元，加上表 1 所列机构支助费用 30,000 美元。所提要求见本文件附件。

表 1: 2014 年世界银行工作方案

国家	活动/项目	要求的款项(美元)	建议的款项(美元)
A 节: 建议供一揽子核准的活动			
A1: 项目准备			
印度尼西亚	准备氟氯烃淘汰投资活动 (第二阶段) (泡沫塑料行业)	150,000	150,000
越南	准备氟氯烃淘汰管理计划 (第二阶段)	90,000	90,000
	准备氟氯烃淘汰投资活动 (第二阶段) (泡沫塑料行业)	80,000	80,000
	准备氟氯烃淘汰投资活动 (第二阶段) (制冷行业)	60,000	60,000
	准备氟氯烃淘汰投资活动 (第二阶段) (空调行业)	60,000	60,000
A1 小计		440,000	440,000
A1 机构支助费用 (7 % 用于项目准备):		30,800	30,800
A1 共计		470,800	470,800

A 节: 建议供一揽子核准的活动

A1: 准备氟氯烃淘汰管理计划/氟氯烃淘汰投资活动 (第二阶段)

项目说明

2. 世界银行为两个国家提出要求，第二阶段的准备氟氯烃淘汰管理计划 (氟氯烃淘汰管理计划) 和氟氯烃淘汰投资活动: 越南 (世界银行是牵头执行机构) 和印度尼西亚 (环境署¹是牵头执行机构和德国政府²是合作执行机构)。牵头执行机构的工作方案对将在项目准备过程中进行的活动有详细说明。对印度尼西亚来说，除了本要求，环境署和德国政府还正在为其他氟氯烃制造行业提出要求。

3. 世界银行为越南准备氟氯烃淘汰管理计划第二阶段提出说明，要求 290,000 美元，细分如下: 总战略(90,000 美元)，泡沫塑料行业(80,000 美元)，空调行业(60,000 美元)。

秘书处的评论

4. 秘书处在审查这些要求时，考虑到第 71/42 号决议所述为第 5 条国家准备氟氯烃淘汰管理计划第二阶段提供资助的指导原则，并广泛审查氟氯烃淘汰管理计划第一阶段的文件以及在编写

¹ UNEP/OzL.Pro/ExCom/72/14

² UNEP/OzL.Pro/ExCom/72/13

本文件时氟氯烃淘汰管理计划的执行情况。提出了详细评论，以说明为支持项目准备要求提交的资料，并进行了实质性讨论，以了解第二阶段所需要的活动以及目前的筹资情况。

5. 秘书处要求说明以下各点：

- (a) 就要求为泡沫塑料行业进行准备供资提出说明，要考虑到该行业 79.7 吨的 HCFC-141b 中剩下的符合标准的消费主要是由进口的预混多元醇的消费组成，而且已经在第一阶段的泡沫塑料行业中确定和列入；和
- (b) 同样就制冷/空调行业的氟氯烃淘汰管理计划第一阶段说明，确定所有制造企业和充分制定项目提案已经成为第一阶段的一部分，但由于技术原因延迟批准。

6. 世界银行在答复时说明，虽然泡沫塑料行业的企业已经确定，但第一阶段优先考虑大型氟氯烃消费泡沫塑料企业，排除了在制造时只使用以氟氯烃为基础的预混多元醇的许多企业；因此必须核实，才能制定具体提案来改造这些企业。

7. 至于空调和制冷两个行业，世界银行表示，这两个行业的数据是在 2009 年收集，需要更新和核实。特别是，制冷/空调行业要求的资金减少了一些，因为第一阶段的工作已经完成。

8. 世界银行为这三个行业和总战略提出了详细的活动费用。

9. 秘书处还要求说明为印度尼西亚泡沫塑料行业的项目进行准备供资的事。秘书处指出，在审查氟氯烃淘汰管理计划第一阶段后发现，在该行业好像已经做了大量工作。虽然在第一阶段并不是所有泡沫塑料企业都获得资金，但所有氟氯烃消费企业都已经确定。因此，秘书处希望知道还需要为该行业做些什么，并说明费用的理由。

10. 世界银行在答复时强调，尽管泡沫塑料企业的数目已经确定，还需要做大量工作。这些工作包括必须确认氟氯烃消费数据、产品产出数额以及企业在第二阶段要采用的技术。此外，调查是在 2009 年作出，自那时以后印度尼西亚的经济强劲增长，该行业发生了许多改变；因此，必须批准项目的预备性筹资，从而取得最新资料。

11. 经过上述讨论后，秘书处认为这些要求符合第 71/42 号决定的规定。表 1 所列国家需要的数额只是向世界银行提出的数额。其他筹资分别载于其他执行机构的工作方案。

秘书处的建议

12. 基金秘书处建议，一揽子核准印度尼西亚和越南氟氯烃淘汰管理计划/氟氯烃淘汰投资活动（第二阶段）关于项目准备的世界银行组成部分的要求，筹资数额如本文件表 1 所示。

2014 BUSINESS PLAN WORK PROGRAM

**WORLD BANK GROUP-IMPLEMENTED
MONTREAL PROTOCOL OPERATIONS**



**PRESENTED TO THE
72nd MEETING of the EXECUTIVE COMMITTEE
of the MULTILATERAL FUND**

March, 2014

WORK PROGRAM FOR WORLD BANK GROUP-IMPLEMENTED MONTREAL PROTOCOL OPERATIONS

1. This proposed work program for World Bank Group (WBG)-Implemented Montreal Protocol Operations is prepared on the basis of the 2014-2016 WBG Business Plan, also being submitted for the consideration of the Executive Committee at its 72nd meeting.
2. The proposed 2014-2016 WBG Business Plan consists of investment and non-investment activities to assist Article 5 country clients in meeting remaining ODS phase-out obligations, sustaining the 2013 freeze in HCFC consumption, and achieving the 10% HCFC consumption reduction by 2015 and the 35% HCFC consumption reduction by 2020 in a sustainable manner.
3. The 2014-2016 Business Plan includes a number of Stage II HCFC phase-out sector plans and Stage II gradual production phase-out plans that will be put forward for the consideration of the Executive Committee (ExCom). It also includes ongoing work associated with the implementation of annual work programs of sector and national plans, previously approved, to phase out HCFCs and methyl bromide (MB), as well as renewal of institutional strengthening (IS).

2014 BUSINESS PLAN

4. The value of deliverables contained in the proposed current year 2014 WBG Business Plan, including investment and non-investment activities, as well as agency support and core costs, totals US \$34.2 million. Funds will be used to support both new and previously approved activities.
5. The proposed 2014 Business Plan includes deliverables of 5 investment activities in 4 countries (China, Jordan, Thailand and Vietnam), totaling US \$30.1 million, in support of national and sectoral ODS phase-out work. The deliverables are associated with submission of annual work programs for previously approved multi-year projects including, HCFC phase-out management in China, Jordan and Thailand, MB phase-out in Vietnam, as well as 1 sector-specific investment activity associated with a new HCFC production sector phase-out submission in China.
6. The 2014 Business Plan also includes requests for extension of support for implementation of existing institutional strengthening projects supported by the World Bank in Jordan and Thailand.
7. Lastly, the proposed 2014 Business Plan includes a request of US \$1.725 million in agency core unit costs.

2014 WORK PROGRAM – EXCOM 72 AMENDMENT

8. The 2014 Work Program Amendment being submitted for consideration at the 72nd Meeting of the ExCom includes five (5) requests:

- Project Preparation Activities for Stage II of HCFC Foam Sector Plan in Indonesia
- Project Preparation Request for Stage II HPMP in Vietnam
- Project Preparation Activities for three (3) Sector Plans in Vietnam: Foam, Refrigeration and Air-conditioning

Table 1: Activity Requests Submitted for Consideration to the 72nd Meeting of the ExCom

Country	Request (US\$)	Duration	Description
Indonesia	150,000	18-24 months	Project Preparation Activities for Stage II of HCFC Foam Sector Plan [in accordance with ExCom Decision 71/42, paragraph (f) (iv)] <i>*cost breakdown presented in Annex I</i>
Vietnam	90,000	18-24 months	Project Preparation Request for Stage II HPMP [in accordance with ExCom Decision 71/42, paragraph (d) (v)] <i>*cost breakdown presented in Annex II, table 1</i>
	80,000		Project Preparation Activities for Stage II of HCFC Sector Plan in Foam Sector <i>*cost breakdown presented in Annex II, table 2</i>
	60,000		Project Preparation Activities for Stage II of HCFC Sector Plan in Refrigeration Sector <i>*cost breakdown presented in Annex II, table 2</i>
	60,000		Project Preparation Activities for Sector Plan in Air-conditioning Sector <i>*cost breakdown presented in Annex II, table 2</i>
Sub-Total	440,000		
Support Costs	30,800		
TOTAL	470,800		

Annex I

Project Preparation Request: Indonesia Stage II, HCFC Foam Sector Plan

At the request of the Government of Indonesia, and as per ExCom Decision 71/42, the World Bank Group has included a funding request associated with preparation of Stage II of Indonesia's HCFC Foam Sector Plan. While all foam enterprises were identified under Stage I of the HCFC Foam Sector Plan's preparation, a detailed technical assessment has only been completed for the enterprises covered under Stage I. Hence, the proposed preparation for Stage II will involve an update of the overall HCFC consumption in the foam sector and a detailed technical assessment of about 42 enterprises to be covered under Stage II.

Progress of Stage I HCFC Foam Sector Plan

Progress under Stage I has been satisfactory. On 1 July, 2013, the Government of Indonesia signed the Grant Agreement with the World Bank for the implementation of the foam sector plan. Since then, the Ministry of Environment has signed contracts (FTRA- Foam Technology Replacement Agreements) with 3 large foam enterprises (PT Nayati Indonesia , PT Topjaya Antariksa Electronics, and PT Maspion Elektronik) to phase out a 159 MT of HCFC-141b, covering 57% of total consumption of the baseline to be phased-out under Stage I of the foam sector plan. Currently, these enterprises are at different stages of procuring and installing equipment for conversion of their manufacturing facilities.

The value of the 3 FTRA signed to date is US \$1,202,000. As at end December 2013, US \$140,400 has been disbursed to one enterprise (PT Topjaya).

The Government of Indonesia plans to establish FTRA with another 23 foam enterprises in 2014 to phase out the remaining 118 MT of HCFC-141b against the baseline. The NOU is organizing a workshop on 22 March 2014 to which the 23 foam enterprises will be invited in order to expedite implementation of the program. The Government expects to disburse US \$2,306,812 in 2014 (\$2,176,600 to companies/for investment component and \$130,212 for technical assistance including workshop, training and policy support).

Preparation Activities for Stage II of HCFC Foam Sector Plan

Preparation activities will include completion of a survey questionnaire and follow-up site visits, as well as technical assessment and assistance to determine the proper choice of alternatives. Stakeholder consultations will be organized since companies with different levels of consumption may be eligible for different alternatives, given limited funding available from the ExCom.

The approval of the request for project preparation funds will allow the WBG to prepare Stage II of the HCFC foam sector plan to phase-out 400 MT from 42 enterprises that will enable Indonesia to meet its 35% reduction target.

Activity	Particulars	Value in
-----------------	--------------------	-----------------

		USD
Field survey and data collection and analysis	<ul style="list-style-type: none"> • Recruitment of national consultant for field survey and data collection • Field survey and data collection • Survey report preparation 	20,000
Preparation of Stage II of HCFC foam sector plan	<ul style="list-style-type: none"> • Recruitment of international consultant for preparing detailed technical assessment • Preparation of stage II of HCFC foam sector plan including technology options review and selection for phase-out projects and finalization 	100,000
Stakeholder consultations	<ul style="list-style-type: none"> • Consultative workshops with stakeholders 	5,000
Communications and miscellaneous	<ul style="list-style-type: none"> • Communication costs for organization of HPMP survey for investment component • Printing and stationery • Travel and other miscellaneous costs 	25,000
Total		150,000

Annex II

Project Preparation Request: Vietnam Stage II, HPMP

Progress under Stage I HPMP

The agreement between the Government of Vietnam and the Executive Committee of the Multilateral Fund (MLF) for the reduction of HCFCs through a Stage I HCFC Phaseout Management Plan (HPMP) encompasses the period 2011-2015 and allocates resources for HCFC reductions through 2015. This support will enable Vietnam to comply with its maximum allowable consumption target of 199.08 tons in 2015. Reductions expected under Stage I amount to 50.08 ODP tonnes of HCFC consumption – all from the foam sector. Implementation of the Stage I HPMP is well underway and on target for physical completion in late 2015.

The primary Stage I intervention is in the foam sector, specifically for 12 enterprises that consumed 94% of the bulk HCFC-141b imported in 2009. As of mid-March 2014, 11 enterprises have signed subgrant agreements, four of these have equipment contracts, and one has completed its subproject. A second subproject completion is expected by May 2014. The 12th enterprise has withdrawn from the project because of a substantial decrease in foam production and inevitable exiting from the market in the near future. Nine enterprises are scheduled to complete conversion to cyclopentane by the end of 2014. Consequently, disbursement for this project component is expected to increase rapidly in the next six months.

Under the technical assistance component of the HPMP, additional activities completed since last reporting to ExCom (see the biennial tranche implementation report submitted to the Committee's 71st Meeting) consist of four training and awareness workshops, including Customs training in controlling the import and export of HCFCs. A report was completed for the Project Management Unit on existing Government policies in the seafood industry and on a master plan to ban the new installation and expansion of HCFC-based refrigeration equipment. Finally, a consultant has been selected for conducting the consumption verification for 2013. A verification report is expected by mid-year.

In terms of policy measures, the Government of Vietnam has introduced a quota system for controlling HCFCs, in force now since 1 January 2012. The regulation governing the quota also provides for licensing of imported HCFC-based pre-blended polyol. A policy recommendation was issued to prevent the establishment of new, and the expansion of existing HCFC-based manufacturing facilities in the foam and air-conditioning sectors as of 16 January 2014.

Preparation Activities for Stage II of Vietnam's HPMP

The subsequent compliance period requiring support, starting in 2016, will involve new sectors. Experience under the Stage I HPMP indicates that approximately two years are required for the preparation and approval of an HCFC phaseout strategy and sector plans. The WBG is therefore seeking project preparation funding on behalf of the Government of Vietnam to initiate project preparation as outlined in the tables below.

Overall Stage II HPMP Preparation

Activities to be Undertaken and Information to be Collected and Updated

Activity	Information to be Collected/Updated	Cost
Survey work	<ul style="list-style-type: none"> • Data collection including, overall consumption patterns by HCFC substance and sector with emphasis on user level HCFC-22 consumption data that was not funded under Stage I. • Corroboration of survey data through site visits (agreed percentage of users). • Inclusion of servicing sector in survey work to better assess the type/size of typical providers, nature of work and options/readiness for introduction of climate-friendly, potentially flammable replacements. 	55,000
Technology assessment	<ul style="list-style-type: none"> • Consideration of the range of non-ODS, technically proven, and commercially available alternatives in the Vietnamese context, including climate-friendly alternatives to HCFCs; will supplement the requisite assessments at the sector, subsector level. 	10,000
Stakeholder workshops (2) and consultations	<ul style="list-style-type: none"> • Kick-off workshop, including informing non-funded stakeholders of phase-out obligations, replacement technologies and existing and planned regulation. • A second workshop to present the final Stage II strategy and associated data, validate data, and secure stakeholder commitment. 	20,000
Policy development	<ul style="list-style-type: none"> • Initiation of additional policy measures for new HPMP sectors through inter-ministerial and sector-wide consultations, as well as expert legal support. Efforts will focus on initiation of a quota for imported HCFC-141b preblended polyol and measures to control installation of R-22 systems during preparation of Stage II. 	5,000
	Total	90,000

Sector Plan Preparation Requests

Stage II Sector to be Prepared	Amount of Preparation Funding Requested (US\$)	Number of Enterprises	Explanations
Foam Sector	80,000	60+	The Stage I request for project preparation funds in the foam sector was to allow the Bank to cover at least 15% of identified enterprises. All funds were used. Although attempts were made to survey the entire sector, it is known now that not all foam companies were reflected in Stage I. Moreover, in 5 years since the survey there have been changes in the make-up of the sector (some enterprises are no longer in business, new ones may have been established, or some have grown significantly. Additional funds will be used as follow: Sector-survey, consultations and site visits - \$25,000; Detailed technical assessment of enterprises not included under Stage 1 - \$20,000; and international expertise (for technologies, project design) and sector plan preparation - \$35,000
Refrigeration Sector	60,000	25+	The Stage I request for project preparation funds in the refrigeration sector was to allow the Bank to cover at least 15% of identified enterprises. Full project preparation funding was utilized and included a broad survey of the refrigeration and air-conditioning sector. An investment activity was also prepared specifically for the AC manufacturing sector.
Air-conditioning Sector	60,000	5	Investment activities in the AC sector were prepared through project preparation funding for the refrigeration sector (see row above). However, upon consideration of the HPMP by the Executive Committee, the Gov. of Vietnam, through the WB, was requested to remove the AC component from the proposed HPMP and action plan at the 63rd Meeting. Proposed project preparation funding has been discounted to reflect some knowledge of the sector and main players. Given the complexity of the sector (high growth rates, available technologies, types of the enterprises involved, etc.) however, as well as the expectation of changes in the sector, additional preparation funding is necessary as follows: International technical expertise for preparation (new tech. assessment, costing, design, etc.) - \$30,000; consultations with enterprises sector-wide, associations, regulators, and updated data collection at proposed beneficiaries - \$15,000; strategy /sector plan preparation - \$15,000.
TOTAL	20,000		