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Executive Committee of
the Multilateral Fund for the
Implementation of the Montreal Protocol

Thirteenth Meeting
Montreal, 25-27 July 1994

UNDP PROGRESS REPORT

This document includes:

- Comments and Recommendations of the Fund Secretariat
- UNDP Progress Report

COMMENTS AND RECOMMENDATIONS OF THE FUND SECRETARIAT

COMMENTS

ODS phase-out

1. In addition to the four projects reported in UNDP's last progress report, three more projects have been reported as completed and commissioned resulting in the phase out of an additional 71.5 tonnes ODP (95 tonnes ODS). One of the three projects, the "Technopol moulded foam project in Egypt", was administered by UNDP from concept to phase-out. The remaining two projects, the main plant at Matsushita and Island Resources projects in Malaysia, were funded retroactively after the conversion activities were underway. Thus far, UNDP is responsible for the phase-out of 388.5 tonnes ODP.

Project documents

2. Of the 70 activities in UNDP's portfolio requiring project document signatures, nine have been previously reported signed, 31 have been signed since the last report and 30 are awaiting signature. For those projects without signature, the average elapsed time since Committee approval is about four months; however, progress toward project document signature was reported for those awaiting signature.

Project execution

3. UNDP has 60 investment/demonstration projects in its current portfolio. The number of projects that have disbursed or have begun disbursing funds since the last reporting period has doubled from 13 to 26. Of those 26 projects currently disbursing funds, five were previously reported as completed, five activities are reported completed during this reporting period, and 16 reported progress. For those activities reporting progress, four projects have committed all funds although the projects are not completed and five projects did not disburse any additional funds during the study period.

4. The Executive Committee has approved approximately US \$38.2 million for UNDP to-date of which US \$25.7 million (67 per cent) was allocated for investment/demonstration projects. Almost US \$2.6 million of this total has been expended on completed projects. Some investment projects slightly exceeded their budget allocations, but no investment project exceeded its original budget by more than 5 per cent. Of the US \$21.7 million allocated for ongoing investment/demonstration projects, US \$4.5 million (21 per cent) has been expended as at 13 June 1994.

5. For the project, "Compagnie Manufacturiere de Produits Cosmetiques, Ltee." (Mauritius), the progress report states that there are two options for the implementation of the project due to the fact that only 50 per cent of the request was approved: (1) partial purchase of needed equipment or (2) incentive payment after project implemented by company itself. At the Twelfth Meeting, the Project Review Sub-Committee recommended that an ad-hoc solution was called for and recommended an incentive payment to the enterprise covering 50 per cent of the project cost requested.

Work programme activities

6. US \$13.9 million was allocated for UNDP work programme activities. All of the 14 institutional strengthening projects, approved for UNDP implementation, have disbursed the first year of funds. Specific activities of the ozone units were reported for 10 projects.

7. Progress was reported on country programme preparation and funds were expended in all country programme preparation efforts except in Venezuela.

8. Additional disbursements were reported for four training activities of the 10 classified as ongoing. Postponements to better facilitate training efforts, especially in the refrigeration sector, were noted for five projects with no activities. Five training projects were reported completed in: Ecuador (refrigerant conversion), Venezuela (workshops on chillers), Latin America (halon recycling), and the global projects, "Participation in workshops at key meetings" and "Technical assistance in aerosols". Although the last two global projects were reported completed, UNDP still plans activities for the projects.

9. Additional efforts were reported during this reporting period for activities that had previously been reported as completed. This was the case for the projects, "Phase-out of CFCs in the refrigeration of Koldair Company (Egypt)" and "Study tours for government and industry officials, and pre-feasibility studies (Egypt)".

10. Progress and disbursements were reported for 13 of the project preparation projects. Two project preparation projects were previously reported completed and project preparation projects for India and Malaysia were reported completed during this reporting period. No activities were reported for project preparation in Iran, Mauritius, and Mexico.

11. Thirteen technical assistance activities were reported as completed in previous reports. The global project, "Technical assistance in halons" was reported completed during this reporting period. Of the remaining 28 activities listed as ongoing, additional disbursements during the reporting period were reported for six activities.

12. Activities that were reported before should not be reported again except as needed for clarity or if they are amended as in the above-mentioned cases. The progress report should clearly distinguish between ongoing activities, newly completed activities, and activities that have been previously reported as completed.

Coordination

13. There was no mention of coordination with the other agencies in preparing a project supervision computerized monitoring system. Since the World Bank and UNIDO is also involved in analysing the requirements for project monitoring, all agencies should coordinate to assure that the consistency of reporting on project supervision to the Executive Committee.

RECOMMENDATIONS

14. The Fund Secretariat recommends that the Executive Committee take note, with appreciation, of the progress report of UNDP.

15. It is further recommended that:

(a) UNDP should ensure that funds remaining unspent after completion of activities should be offset against new requests for project preparation and other activities.

(b) Future progress reports should include information about the activities of ozone units created with institutional strengthening resources from the Fund and ozone units should report progress to implementing agencies for incorporation into the Agency progress reports submitted to each meeting.

(c) UNDP should modify the presentation of its progress report to provide an additional section to its progress report tables which provides activities reported as completed at previous Committee Meetings and provide information about which projects require project documents and when project documents are signed.

(d) UNDP should also be encouraged to cooperate with other agencies in the development of a reporting format for project supervision activities.

**EXECUTIVE COMMITTEE OF THE MULTILATERAL FUND
FOR THE IMPLEMENTATION OF THE MONTREAL PROTOCOL**

(13th Meeting, 25-27 July 1994, Montreal)

PROGRESS REPORT
OF THE
UNITED NATIONS DEVELOPMENT PROGRAMME

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- D. Status Report on Ongoing Projects**

23 June 1994

UNDP PROGRESS REPORT

A. OPERATIONAL/POLICY DEVELOPMENTS

1. UNDP's cumulative project allocations from the Multilateral Fund increased from \$23.15 million at end-1993 to \$38.23 million following the 12th Executive Committee Meeting (28-30 March 1994). As compared to mid-February 1994 when UNDP reported a cumulative figure of \$9.57 million as disbursed/obligated, by mid-June 1994 the cumulative disbursed/obligated figure had risen to \$12.56 million.

2. UNDP's approved activities to date are in the following categories (\$ millions):

	<u>1991-92</u>	<u>1993</u>	<u>1994</u>	<u>TOTAL</u>
CPG (country prog. preparation)	0.819	0.212	-	1.031
DEM (demonstration projects)	0.310	0.100	1.183	1.593
INS (institutional strengthening)	1.333	2.711	0.472	4.516
INV (investment projects)	2.757	7.856	12.824	23.437
PRP (project preparation)	0.300	0.755	0.425	1.480
TAS (technical assistance)	2.696	1.853	0.283	4.832
TRA (training)	1.249	0.093	-	1.342
	=====	=====	=====	=====
TOTAL	9.464	13.580	15.187	38.231

3. UNDP's disbursements to date in the above categories are (\$millions):

	<u>1991-92</u>	<u>1993</u>	<u>1994</u>	<u>TOTAL</u>
CPG (country prog. preparation)	0.795	0.200	-	0.995
DEM (demonstration projects)	0.310	0.100	0.006	0.416
INS (institutional strengthening)	0.526	0.960	0.144	1.630
INV (investment projects)	1.978	4.911	-	6.889
PRP (project preparation)	0.252	0.348	0.064	0.664
TAS (technical assistance)	1.027	0.040	-	1.067
TRA (training)	0.825	0.076	-	0.901
	=====	=====	=====	=====
TOTAL	5.713	6.635	0.214	12.562

4. The Executive Committee, at its 12th Meeting in March 1994 approved an additional \$15.1 million as UNDP's 1994 work programme. Since many of these are investment projects that will be implemented over a period of 12-18 months, disbursements over the first six months for these new projects will be small. This is why UNDP's apparent delivery figure has fallen from 41.4% in mid-February to 32.9% as of mid-June 1994. We see this delivery rate fluctuating as approved projects are completed and new projects take their place.

5. Under the Montreal Protocol, UNDP is at present active in the following 29 countries:

AFRICA/MIDDLE EAST (7):

Egypt, Ghana, Iran, Jordan, Kenya, Mauritius, Nigeria

ASIA/PACIFIC (9):

Bangladesh, China, India, Indonesia, Malaysia, Philippines, Sri Lanka, Thailand, Vietnam

LATIN AMERICA/CARIBBEAN (13):

Argentina, Brazil, Chile, Colombia, Costa Rica, Cuba, Ecuador, Guatemala, Mexico, Panama, Trinidad & Tobago, Uruguay, Venezuela

57 Activities Completed To Date

6. UNDP, as of mid-June 1994, had completed 57 activities as can be seen in the attached table titled "Completed Activities Under UNDP's Montreal Protocol Work Programme". These comprise the following:

ODS SURVEYS:

Bangladesh, Costa Rica, Iran,

COUNTRY PROGRAMMES:

China, Costa Rica, Cuba, India, Iran, Kenya, Philippines, Sri Lanka, Uruguay

NATIONAL WORKSHOPS, TRAINING, TA & DEMONSTRATION PROGRAMMES:

Bangladesh, Brazil, Chile, China, Ecuador, Egypt, Ghana, India, Jordan, Kenya, Malaysia, Nigeria, Philippines, Thailand, Uruguay, Venezuela

REGIONAL WORKSHOPS & DEMONSTRATION PROGRAMMES:

Asia/Pacific, Latin America/Caribbean, Middle East/Africa,

INVESTMENT PROJECTS:

Egypt, Malaysia,

ODS Phaseout Investment Projects Completed

7. UNDP is pleased to report the completion and commissioning of the following 7 ODS phaseout investment projects during the period November 1993 - May 1994 and the ODS tonnes phased out:

	<u>Project</u>	<u>ODS Phased Out</u>
a)	<u>Egypt</u> : Misr Foam moulded foam (EGY/FOA/09/INV/11) (approved March 93, completed 9 Nov. 93)	28 tonnes
b)	<u>Malaysia</u> : Jumaya foam (MAL/FOA/10/INV/11) (approved June 93, completed Dec. 93)	150 tonnes
c)	<u>Egypt</u> : Koldair refrigeration (EGY/REF/08/INV/09) (approved Oct. 92, completed Jan. 94)	18 tonnes
d)	<u>Egypt</u> : Misr Foam flexible (EGY/FOA/08/INV/05) (approved Oct. 92, completed Jan. 94)	121 tonnes
e)	<u>Egypt</u> : Technopol moulded foam (EGY/FOA/08/INV/07) (approved Oct. 92, completed 18 April 94)	55 tonnes
f)	<u>Malaysia</u> : Island Resources foam (MAL/FOA/11/INV/17) (approved Nov. 93, completed 30 April 94)	30 tonnes
g)	<u>Malaysia</u> : MEC (main plant) solvents (MAL/SOL/11/INV/19) (approved Nov. 93, completed 2-3 May 94)	10 tonnes
		= =
	Total	412 tonnes

8. These seven investment projects have thus phased-out 412 tonnes of ODS. It is noteworthy that all these projects were completed ahead of schedule:

<u>Project</u>	<u>Scheduled</u>	<u>Completed</u>
a) Misr Foam moulded (EGY/FOA/09/INV/11)	1Q94	4Q93
b) Jumaya foam (MAL/FOA/10/INV/11)	4Q94	4Q93
c) Koldair refrig. (EGY/REF/08/INV/09)	4Q94	1Q94
d) Misr Foam flexible (EGY/FOA/08/INV/05)	4Q94	1Q94
e) Technopol moulded foam (EGY/FOA/08/INV/07)	4Q94	2Q94
f) Island Resources foam (MAL/FOA/11/INV/17)	3Q94	2Q94
g) MEC (main plant) TCA (MAL/SOL/11/INV/19)	3Q94	2Q94

9. As in our last Progress Report, UNDP would again express its appreciation to the Governments of Egypt and Malaysia and to company management for their superb cooperation and assistance in project implementation at a record pace. The excellent executing ability of UNDP's Office of Project Services (OPS) together with the monitoring and supervision of UNDP's sector experts also deserve special mention in this regard.

Project Monitoring System

10. The 4-page Operations Summary, the 13-page report on "Completed Activities Under UNDP's Work Programme Under the Montreal Protocol", and the 25-page "Status of Ongoing Activities Under UNDP's Work Programme Under the Montreal Protocol" are all from a computerized database system developed by UNDP's Montreal Protocol Unit for more-effective project and programme monitoring and evaluation. In addition, a computerized system has been developed for preparation and reporting of annual financial accounts to the Executive Committee. These two computer programmes will be merged into one consolidated programme in 3Q1994.

Safety Issues

11. The Egyptian Environmental Affairs Agency (EEAA), in its fax to UNDP dated 15 June 1994, reported that a self-ignited fire in the curing area of the Misr Foam Company had occurred. This was one of the companies where UNDP had completed its ODS phaseout project. EEAA informed us that, fortunately, the fire fighting system installed at the recommendation of UNDP's halons sector expert operated perfectly. The fire was extinguished rapidly with minimal damage; without the system in place, the plant itself could have been destroyed.
12. The lessons are clear. Some of UNDP's ODS phaseout investment projects experience delays due to the emphasis by both UNDP and company management on adequate safety measures. We fully realize that safety and health measures are critical components in projects, particularly those where ODS alternatives pose flammability/toxicity risks. For example, the Matsushita solvents project in Malaysia (Port Klang plant) had completed its ODS phaseout but the project completion certificate was withheld since plant management had not fully complied with one of UNDP's stipulated safety/health measures.
13. UNDP has and will always ensure that each project meets all required safety conditions. If during project implementation it is deemed essential that additional safety measures are necessary, UNDP will request needed additional funding from the Executive Committee.

Project Savings

14. According to UNDP's submitted Financial Report as of 31 December 1993, project savings on completed projects amounted to \$520,431. As also stated in the Report, expenses can be submitted for reimbursement up to one year following completion of individual projects due to the settlement of payable billings. Since many of UNDP's 1992 activities were completed only in 1993, only a proportion of the above savings would be available at this time for credit to the Fund.

Interest

15. According to UNDP's Financial Report as of 31 December 1993, the interest earned up to 31 December 1992 was \$202,851. It should be noted that there is a one-year lag in the reporting and crediting of interest under UNDP financial procedures. For the information of the Executive Committee, the estimated interest earned during 1993 is around \$357,000 (additional), which would be officially credited to the Trust Fund only at end-1994.

COUNTRY DEVELOPMENTS: HIGHLIGHTS

ARGENTINA

Meetings were held with the Government in coordination with other implementing agencies. The Government has indicated it would request UNDP assistance in the halons and flexible foam sectors, and potentially the solvents sector.

BANGLADESH

The draft Country Programme has been prepared. The Government had intended to present it at the 13th ExCom Meeting. However, there was insufficient time for internal Government clearances. It is now scheduled for presentation to the 14th ExCom meeting.

BRAZIL

Implementation of the Spray Foams project, approved at the 12th ExCom Meeting, will start in late-June. The final report from ABRAVA on CFC refrigerant reuse was completed. UNDP also assisted the Government in identification of project proposals that were used in finalization of the Country Programme. As requested, UNDP foam and refrigeration sector consultants will visit Brazil in late-June for investment project preparation.

CHILE

Activities completed.

CHINA

A UNDP team comprising MPU and OPS staff and UNDP halons, foam and solvents experts visited China during 16-28 April 1994. Meetings were held with the newly reorganized NEPA staff to: (a) review work programme implementation; (b) identify bottlenecks delaying implementation of nationally executed projects; and (c) recommend solutions to remove the bottlenecks. The main problem identified was inadequate knowledge of international and national procurement processes and overall project implementation procedures. It was agreed that NEPA and the line ministries would receive intensive training on project implementation procedures by UNDP/Beijing. NEPA will decide which projects will be co-executed with OPS

in order to expedite project delivery. UNDP supported the internal travel of 15 Chinese solvents sector technicians to participate at the NEPCON Solvents Exhibition in Beijing during 28-28 April 1994; this enabled them at very low cost to see equipment from all over the world (including Chinese) which could be used in their projects.

COLOMBIA

In early 1994, the Government prepared its Country Programme and UNDP assisted in reviewing it. It was approved at the 11th ExCom Meeting. Several UNDP staff and consultants have visited Colombia over the last three months at Government request to formulate investment projects in the refrigeration and foam sectors. Several of these project proposals are being presented for approval at this 13th ExCom Meeting.

COSTA RICA

Two projects were prepared by Costa Rica in the refrigeration sector. A visit by UNDP's refrigeration consultant is scheduled for July to finalize the documents.

CUBA

UNDP staff has visited Cuba in February 1994, resulting in the finalization of two demonstration projects in the refrigeration and halons sectors, both of which are being presented for approval at this 13th ExCom Meeting.

ECUADOR

Activities completed.

EGYPT

A fourth investment project (Technopol) was commissioned in April 94. A combined project implementation and new project preparation visit was undertaken that same month by UNDP foam and refrigeration sector consultants. Considerable efforts were made to accelerate project implementation including the evaluation of equipment bids for several ongoing projects. Further consultant visits are scheduled for July and early September 1994.

GHANA

The newly approved foam sector project has been initiated following a visit by UNDP's foam consultant in April 1994. The Government also indicated it is now ready to implement technical assistance activities approved earlier in the refrigeration and foam sectors.

GUATEMALA

A UNDP foams sector consultant visited in April 1994 and a UNDP refrigeration sector consultant is scheduled to visit in July 1994. Projects will be identified in these sectors.

INDIA

UNDP staff visited India in late-April 1994. The questionnaire prepared for the survey of ODS use in small-scale industries was reviewed and approved. The Government has indicated to UNDP that all implementing agencies must utilize IDBI (Industrial Development Bank of India) as financial intermediary for project implementation for medium and larger enterprises and the Office of the Development Commissioner for Small-Scale Industries as the intermediary for small-scale enterprises. UNDP and IDBI are drafting a Memorandum of Understanding to cover this modality, following which the three foam sector projects approved at the 12th ExCom Meeting can be implemented. Three foam sector projects and one halons sector project have been submitted for approval to this 13th ExCom Meeting.

INDONESIA

At Government request, UNDP has scheduled visits by its solvents, halons, commercial refrigeration and foam sector consultants during late-June and early-July 1994 for investment project preparation.

IRAN

The Institutional Strengthening project is ongoing. UNDP is awaiting Government approval of a foam sector consultant for an investment project formulation visit.

JORDAN

Activities completed.

KENYA

A UNDP consultant visited Kenya in April 1994 to assist the Government finalize its Country Programme, which is being presented for approval at this 13th ExCom Meeting.

MALAYSIA

Two investment projects were completed during April-May 1994 that in total phased-out 40 tonnes of ODS. Project formulation visits during April and May 1994 by UNDP's foams, solvents and refrigeration sector consultants resulted in the finalization of 9 investment projects in the foams and commercial refrigeration sectors which have been submitted for approval at this 13th ExCom Meeting. During the same visit, solvents project implementation (Proton) was initiated.

MAURITIUS

A UNDP expert visit is scheduled for early-August 1994 to select the appropriate implementation option for the approved COMANU aerosols project. In addition, project preparation in the refrigeration sector will be initiated.

MEXICO

UNDP is cooperating with USEPA in the preparation of projects in the end-user refrigeration, halons and solvents sectors. UNDP's foam sector consultant visited Mexico in March 1994, UNDP refrigeration sector expert in May 1994 and UNDP's foam sector expert and UNDP/MPU staff will visit Mexico again in early-July 1994. The foam and domestic/commercial refrigeration sector projects being finalized should be ready for presentation at the 14th and subsequent ExCom Meetings.

NIGERIA

The Institutional Strengthening project is ongoing. Other activities completed.

PANAMA

A visit by a UNDP foam consultant resulted in the formulation of an umbrella project which is being submitted for approval at this 13th ExCom Meeting. A UNDP refrigeration sector consultant will visit Panama in July 1994.

PERU

At the request of the Government, project identification activities started in April 1994 in the domestic refrigeration and foams sectors.

PHILIPPINES

A solvents sector workshop held during 2-8 May 1994 disclosed that while several large semi-conductor industries had already phased-out ODS use, a large group of small to medium size enterprises needed assistance. The Government has requested a visit by UNDP's solvents sector expert in September 1994. During 1-7 May 1994, UNDP launched a foam sector project preparation visit, as a result of which 4 foam sector project proposals were finalized and have been presented to the 13th ExCom Meeting for approval.

SLOVENIA

A foam sector project preparation visit took place during late-February 1994 at the request of the Government. A foam sector investment project was identified and has been submitted to the 13th ExCom meeting for approval. UNDP is also awaiting confirmation as to the eligibility of Slovenia as an Article 5, para. 1 country.

SRI LANKA

The Country Programme was approved at the 12th ExCom Meeting and the Government is implementing its Institutional Strengthening project. The CP indicates year 2000 as the target to phaseout ODS for new applications and year 2005 as the target for replacement of ODS in existing equipment.

THAILAND

UNDP staff and experts visited Thailand during 17-18 April 1994 for both project implementation and project preparation. Three foam sector projects were identified and prepared and have been submitted to the 13th ExCom Meeting for approval.

TRINIDAD & TOBAGO

A visit in May 1994 by a UNDP consultant resulted in start-up of Country Programme formulation activities.

URUGUAY

Following project preparation visits by UNDP halons and foam sector consultants in April and May 1994, three projects in these sectors are being submitted for approval at this 13th ExCom meeting.

VENEZUELA

Activities are progressing well, including a subcontract with MADOSA to implement a pilot domestic refrigeration programme. Venezuela hosted UNDP's Latin America Regional Workshop and Demonstration Programme on Halons (Caracas, 27-29 April 1994), conducted by UNDP's halons sector expert and UNDP staff in collaboration with USEPA, Environment Canada and the Danish Institute for Fire Technology. Under the Global MAC Project, Venezuela will host a Pilot Demonstration Project for Mobile Air Conditioning; a MAC Workshop in Caracas (26-27 May 1994) was attended by participants from Brazil, Colombia and Ecuador.

VIETNAM

A project identification visit by UNDP's foams sector expert took place during 23-27 April 1994. He found that the largest ODS consuming sector was industrial refrigeration. The critical need is finalization of the Country Programme so that elements of the selected ODS phaseout strategy are determined. UNDP is collaborating with UNIDO and UNEP to avoid duplication of effort and assist Vietnam in a coordinated manner.

REGIONAL/GLOBAL PROJECTS: HIGHLIGHTS

- a) **UNDP's Latin America Regional Workshop and Demonstration Programme on Halons** was held in Caracas, Venezuela, during 27-29 April 1994, conducted by UNDP's halons sector expert and UNDP staff in collaboration with the Government of Venezuela, USEPA, Environment Canada and the Danish Institute for Fire Technology. There were 45 representatives from 19 participating countries. Two halon-1211 recharge/recovery machines were demonstrated and halon-1301 replacement technologies were also covered.
- b) Activities under the Global Halons Project continued with UNDP co-sponsoring a USEPA technical visit China in April 1994 to outline a halon-1211 phaseout strategy for China and develop a data reporting system on the halon-1211 recovery/recycling machines already deployed and to be sent to China. In Ecuador, UNDP supported USEPA's training programme in halon-1211 recovery/recycling machine during 8-14 May 1994. In Panama, UNDP supported a USEPA representatives in development of a fire extinguisher exchange programme during May 1994 with a follow-up visit planned during 12-16 June 1994. Future activities are planned in Argentina, Chile, Fiji, Malaysia, Philippines, Thailand, Uruguay and Venezuela.
- c) Under the Global MAC Project, UNDP has cooperated with USEPA in the initiation and implementation of a project organized jointly by USEPA with Venezuela. This is a Pilot Demonstration Project for Mobile Air Conditioning. The project includes procurement of 20 recycling machines with accessories, spare parts and leak detectors. Observers from three Latin American countries (Brazil, Colombia, Ecuador) attended the MAC Workshop in Caracas (26-27 May 1994). It is expected that information and lessons learned through this effort will support future programme development in Venezuela as well as in other countries.
- d) The three regional MAC recycling training and demonstration programmes (Asia, Latin America, Middle East) have been deferred until late 1994 so that implementing agencies can fully determine what can be funded and what cannot be funded under Executive Committee guidelines. This is an essential prerequisite for preparation of training materials and design of the workshops. The recruitment of UNDP's MAC sector expert has been deferred accordingly; in the interim UNDP's refrigeration sector expert who has significant exposure in this area will also handle MAC-related activities.

MEETINGS ATTENDED AND INTERAGENCY COOPERATION

- a) UNDP/MPU staff (Mr. Jacques van Engel) attended UNEP's "Workshop of ODS Officers Network for South America (ODSONET/LA-S)" held in Montevideo, Uruguay, during 16-20 May 1994 and made presentations on UNDP's work programme and ODS phaseout activities.
- b) A UNDP foams sector consultant (Mr. Jerry Pool) represented UNDP at the OORG's Second Refrigerator/Freezer Insulating Foam Working Group Meeting, World Bank, Washington, D.C., 17 May 1994.
- c) UNDP/MPU staff (Mr. Frank Pinto) had discussions with the Mr. K.M. Sarma, Coordinator, Ozone Secretariat, Nairobi, on 17 May 1994 during Mr. Sarma's visit to New York on official business.
- d) UNDP/MPU staff had discussions on UNDP's work programme in Egypt under the Montreal Protocol with the Chairman-in-Charge, EEAA, Mr. Salah Hafez, on 24 May 1994, during his visit to New York on official business.

- e) UNDP/MPU staff had discussions on UNDP's work programme in India under the Montreal Protocol with Secretary of Environment, Mr. R. Rajamani, on 25 May 1994, during his visit to New York on official business.
- f) The Assistant Resident Representative (Environment), UNDP/China, (Ms. Susan McDade) visited Montreal on 30 May 1994 for discussions with the Fund Secretariat on UNDP's work programme in China under the Montreal Protocol. She then had discussions with UNDP/MPU and UNDP/OPS staff in New York on 31 May and 1 June 1994.
- f) The Deputy Resident Representative, UNDP/Iran, (Mr. J.P. Agarwal) had discussions with UNDP/MPU staff in New York on 7 June 1994 on UNDP's work programme in Iran under the Montreal Protocol.
- g) A representative from TERI, one of the four firms that will be carrying out the review under para 8, Article 5 of the Montreal Protocol, visited UNDP/New York on 21 June 1994 for discussions on UNDP activities in Egypt and India.
- h) The First Meeting of UNDP Sector Experts in the Foams, Halons, Refrigeration and Solvents Sectors will take place during 24-25 June 1994 at UNDP/NY. UNDP/MPU and UNDP/OPS staff will participate at this meeting. The issues discussed will include: present procedures for project formulation; present procedures for project implementation and commissioning; status review of completed, ongoing and recently approved projects; review of projects proposed by UNDP for approval at the 13th ExCom Meeting; comments by OPS on project implementation procedures; briefings by sector experts on recent technological developments and relevance to projects; and the future UNDP work programme under the Montreal Protocol.
- i) UNDP/MPU staff (Mr. Frank Pinto) will represent UNDP at the Seventh Meeting of the Implementation Committee (4 July 1994) and at the Tenth Meeting of the Open-Ended Working Group of the Parties to the Montreal Protocol (5-8 July 1994), both in Nairobi.

UNDP'S MONTREAL PROTOCOL STAFF AND EXPERTS/CONSULTANTS

- o Mr. Luis Gomez-Echeverri (Colombia), Manager, Environment & Natural Resources Group (ENR).
- o Mr. Frank Pinto (India), Principal Technical Adviser, and Chief, Montreal Protocol Unit (MPU), ENR.
- o Mr. Jacques Van Engel (Belgium), Environment Specialist, MPU, covers Latin America/Caribbean, and part of the Middle East and North Africa.
- o Ms. Laurence Reno (Mauritius), will join the MPU in mid/late July 1994 as Programme Officer covering Asia/Pacific, Sub-Sahara Africa and part of the Middle East.
- o Ms. Cecilia Corpus (Philippines), Principal Programme & Administrative Assistant, MPU, covers administrative/programming and financial matters in all regions.
- o Mr. Jessie Reyes (Philippines), MPU Administrative Assistant.

The following UNDP staff work part-time on Montreal Protocol related matters:

- o Ms. Shiao-Yuen Hu-Fazzi, Finance Officer, GEF/ENR
- o Mr. Paul Chan, Principal Finance/Adm. Assistant, GEF/ENR.

The principal executing agency for UNDP in the implementation of its projects is the Office of Project Services (OPS). Staff dealing with Montreal Protocol matters include:

- o Mr. Ingolf Schuetz-Mueller (Germany), Chief, Division for Special and Interregional Programmes and Europe, OPS
- o Ms. Laurence Reno, Programme Management Officer (until mid/late July 1994)
- o Ms. Linda Cauvin (France), Programme Management Officer
- o Ms. Inge Hols (Netherlands), Environmental Specialist/Programme Management Officer
- o Ms. Nahid Chaudhury (Bangladesh), Programme Management Assistant.

Several UNDP Country Offices have strengthened their capabilities to assist implementing agencies in national project and programme implementation. For non-OPS executed projects, UNDP Country Offices coordinate implementation arrangements directly with the Government.

The following sector specialists have retainer expert contracts with UNDP and are responsible for the design, technical implementation, monitoring and evaluation of UNDP projects/programmes in their fields of specialization:

- o Mr. Clinton Norris (USA), President, The Norris Group. UNDP expert in CFC replacement technologies, policies, CP preparation and solvents.
- o Mr. Bert Veenendaal (Netherlands), Principal, Rappa Inc. (Environmental Consultants). UNDP foams sector expert.
- o Mr. Erik Pedersen (Denmark), Danish Institute of Fire Technology. UNDP halons sector expert.
- o Mr. Stuart Kelly (UK), formerly manager with ICI Chemicals and Polymers. UNDP refrigeration sector expert.
- o Mr. Geno Nardini (USA/Mexico), Manager, Instituto Mexico de Aerosoles, Mexico City, Mexico. UNDP aerosols sector expert.

Several other international experts, particularly in the foams and solvents sectors, have also been utilized on many occasions, particularly in project preparation. UNDP has also utilized and continues to utilize several national experts on a part-time basis including those from Brazil, China, Malaysia, Mexico and Venezuela.

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(13ECWP1)

UNDP WORK PROGRAMME UNDER THE MONTREAL PROTOCOL

FINANCIAL SUMMARY

(as of 15 June 1994)

COUNTRY/ REGION	FUND ALLOCATIONS	DISBURSEMENTS/ OBLIGATIONS	REMAINING BALANCE
ARGENTINA	25,000	2,000	23,000
BANGLADESH	80,000	78,850	1,150
BRAZIL	898,100	154,915	743,185
CHILE	25,000	25,000	0
CHINA	8,072,334	1,901,452	6,170,882
COLOMBIA	417,790	130,126	287,664
COSTA RICA	433,400	235,739	197,661
CUBA	192,000	91,000	101,000
ECUADOR	140,000	148,450	(8,450)
EGYPT	8,779,500	4,340,189	4,439,311
GHANA	923,200	85,700	837,500
GUATEMALA	30,000	5,465	24,535
INDIA	2,009,600	448,631	1,560,969
INDONESIA	614,780	338,343	276,437
IRAN	315,550	145,785	169,765
JORDAN	41,000	41,000	0
KENYA	209,850	75,582	134,268
MALAYSIA	6,950,900	2,050,886	4,900,014
MAURITIUS	87,150	0	87,150
MEXICO	125,000	90,557	34,443
NIGERIA	349,650	137,623	212,027
PANAMA	30,000	3,972	26,028
PHILIPPINES	1,858,640	162,117	1,696,523
SRI LANKA	189,680	94,040	95,640
THAILAND	2,280,000	227,046	2,052,954
TRINIDAD/TOBAGO	78,800	56,877	21,923
URUGUAY	385,744	92,486	293,258
VENEZUELA	557,392	281,647	275,745
VIETNAM	100,000	4,000	96,000
=====			
SUBTOTAL (A)	36,200,060	11,449,478	24,750,582
REGIONAL	435,500	235,628	199,872
GLOBAL	<u>1,593,717</u>	<u>876,917</u>	<u>716,800</u>
SUBTOTAL (B)	2,029,217	1,112,545	916,672
GRAND TOTAL	38,229,277	12,562,023	25,667,254
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Note: Cumulative disbursements/obligations rose from \$9.57 million in mid-February 1994 to \$12.56 million by mid-June 1994. The lower delivery rate of 32.9%, as compared to 41.4% in mid-February 1994, is due to the large volume of projects (\$15.1 million), primarily investment projects, approved at the 12th ExCom Meeting in March 1994. As these projects are implemented, the delivery rate will rise accordingly.

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Country	MP-Number	UNDP-Nr	Ex.Ag	Project Title	ODS tonnes	Budget US\$	Disbursed US\$	Date Approved
1 ARGENTINA	ARG/SEV/04/TAS/01	INT/91/G61	OPS	TA for CP preparation	0	25,000	2,000	June 1991
ARGENTINA	's Subtotal :				0	25,000	2,000	
1 BANGLADESH	BGD/SEV/04/TAS/01	INT/91/G61	OPS	ODS reconnaissance survey/train.	0	55,000	53,850	June 1991
2 BANGLADESH	BGD/SEV/06/CPG/02	INT/92/G61	OPS	Country programme preparation	0	25,000	25,000	Feb 1992
BANGLADESH	's Subtotal :				0	80,000	78,850	
1 BRAZIL	BRA/FOA/12/INV/11	BRA/94/G61	Nat	Rigid Spray Foams	72	370,000	0	Mar 94
2 BRAZIL	BRA/REF/06/DEM/01	INT/92/G61	OPS	Demo progr for refrig CFC reuse	0	25,000	25,000	Feb 1992
3 BRAZIL	BRA/SEV/10/INS/09	BRA/93/G61	Nat	Institutional Strengthening	0	403,100	124,665	June 1993
4 BRAZIL	BRA/SEV/11/PRP/10	INT/93/G61	OPS	Project Preparation Assistance	0	100,000	5,250	Nov 1993
BRAZIL	's Subtotal :				72	898,100	154,915	
1 CHILE	CHI/REF/06/DEM/02	INT/92/G61	OPS	Demo progr for techn. in refrig	0	25,000	25,000	Feb 1992
CHILE	's Subtotal :				0	25,000	25,000	
1 CHINA	CPR/ARS/06/TAS/02	INT/92/G61	OPS	Guangdon Aerosols inv. proj.	0	75,000	45,684	Feb 1992
2 CHINA	CPR/FOA/06/TAS/03	INT/92/G61	OPS	TA in flax polyurethane foams	0	70,000	65,000	Feb 1992
3 CHINA	CPR/FOA/06/TAS/04	INT/92/G61	OPS	Quality control; home refriger.	0	65,000	60,019	Feb 1992
4 CHINA	CPR/FOA/06/TAS/05	INT/92/G61	OPS	Quality Contr flex polyur. foam	0	70,000	70,000	Feb 1992
5 CHINA	CPR/FOA/07/TAS/17	CPR/93/G64	OPS	TA for BHEARI	0	480,000	0	June 1992
6 CHINA	CPR/FOA/10/INV/52	CPR/93/G71	Nat	Tianjin conversion--Flex.P.Foam	180	1,080,000	817,240	June 1993
7 CHINA	CPR/FOA/10/TAS/37	CPR/93/G67	Nat	Strategy/action programme foams	0	200,000	0	June 1993
8 CHINA	CPR/FOA/11/INV/54	CPR/93/G72	Nat	BCMF rigid PUF (Spray)	30	435,000	0	Nov 1993
9 CHINA	CPR/FUM/12/TAS/60	CPR/94/G61	Nat	Methyl Bromide Survey	0	87,000	0	Mar 94
10 CHINA	CPR/HAL/06/TAS/06	INT/92/G61	OPS	Halons usage and substitutes	0	40,000	43,345	Feb 1992
11 CHINA	CPR/HAL/10/TAS/39	CPR/93/G69	Nat	Halon phase-out, nat. codes	0	280,000	0	June 1993
12 CHINA	CPR/HAL/10/TAS/40	CPR/93/G70	Nat	Halons, Alternative Systems	0	300,000	0	Jun 93
13 CHINA	CPR/HAL/12/INV/58	INT/94/G61	OPS	Air Compressors for Halons	0	155,000	0	Mar 94
14 CHINA	CPR/REF/06/TAS/07	INT/92/G61	OPS	HFC-134a in MACs and recycling	0	40,000	24,836	Feb 1992
15 CHINA	CPR/REF/06/TRA/08	INT/92/G61	OPS	Reduced ODS for Refrigerators	0	75,000	75,000	Feb 1992
16 CHINA	CPR/REF/09/TAS/27	INT/93/G61	OPS	Chemicals in Refr in South China	0	100,000	0	Mar 1993
17 CHINA	CPR/REF/10/TAS/38	CPR/93/G68	Nat	Design standards -- Cold Storage	0	200,000	0	June 1993
18 CHINA	CPR/REF/11/TAS/55	CPR/93/G63	Nat	Survey of National Policy	0	100,000	0	Nov 1993
19 CHINA	CPR/SEV/06/CPG/12	INT/92/G61	OPS	Country programme preparation	0	200,000	200,000	Feb 1992
20 CHINA	CPR/SEV/06/INS/11	CPR/93/G61	Nat	Institutional Strengthening	0	450,000	180,000	Mar 1993
21 CHINA	CPR/SEV/06/TAS/10	INT/92/G61	OPS	Quality Contr testing in Refr	0	70,000	0	Feb 1992
22 CHINA	CPR/SEV/09/PRP/28	INT/93/G61	OPS	Project preparation assistance	0	100,000	100,000	Mar 1993
23 CHINA	CPR/SEV/09/TAS/29	CPR/93/G62	Nat	Small CFC-plant Conversion	0	90,000	39,853	Mar 1993
24 CHINA	CPR/SEV/11/PRP/51	CPR/93/G74	Nat	Project Preparation Assistance	0	100,000	48,646	Nov 1993
25 CHINA	CPR/SEV/11/TAS/56	CPR/93/G73	Nat	National Qualific. & Standards	0	362,500	0	Nov 1993
26 CHINA	CPR/SOL/06/TAS/09	INT/92/G61	OPS	Electronics Cleaning in 4 lines	0	40,000	41,829	Feb 1992
27 CHINA	CPR/SOL/07/DEM/20	CPR/92/G61	Nat	Dalian precision parts cleaning	86	495,000	45,000	June 1992
28 CHINA	CPR/SOL/07/DEM/21	CPR/92/G62	Nat	Dandong electronic tuner Clean.	25	495,000	45,000	June 1992
29 CHINA	CPR/SOL/10/INV/35	CPR/93/G65	Nat	Nanjing Wire Works	14	409,000	0	June 1993
30 CHINA	CPR/SOL/10/INV/36	CPR/93/G66	Nat	Chengdu Radio Instr. Factory	11	394,700	0	June 1993
31 CHINA	CPR/SOL/12/INV/57	CPR/94/G64	OPS	Cleaning Equipment Manufacturing	0	524,734	0	Mar 94
32 CHINA	CPR/SOL/12/TAS/61	CPR/94/G63	Nat	Cleaning Applications Center	0	489,400	0	Mar 94
CHINA	's Subtotal :				346	8,072,334	1,901,452	
1 COLOMBIA	COL/SEV/12/INS/02	COL/94/G61	Nat	Institutional Strengthening	0	317,790	85,100	Mar 94
2 COLOMBIA	COL/SEV/12/PRP/03	INT/94/G61	OPS	Preparatory Assistance	0	100,000	45,026	Mar 94
COLOMBIA	's Subtotal :				0	417,790	130,126	
1 COSTA RICA	CSR/FOA/08/TRA/05	COS/92/G63	Nat	Seminar/Workshop in foam	0	21,120	10,000	Oct 1992
2 COSTA RICA	CSR/REF/08/TRA/04	COS/92/G63	Nat	Conservation in Refrig. Sect.	0	88,000	40,000	Oct 1992
3 COSTA RICA	CSR/SEV/04/TAS/01	COS/92/G62	OPS	Reconnaissance study	0	20,000	23,422	June 1991
4 COSTA RICA	CSR/SEV/06/CPG/02	COS/92/G62	OPS	Country programme preparation	0	20,000	22,909	June 1992
5 COSTA RICA	CSR/SEV/08/INS/03	COS/92/G61	Nat	Institutional Strengthening	0	213,160	125,608	Oct 1992
6 COSTA RICA	CSR/SEV/08/TRA/07	INT/92/G61	Nat	Ad-hoc consultants for CP	0	50,000	3,800	Oct 1992
7 COSTA RICA	CSR/SOL/08/TRA/06	COS/92/G63	Nat	Seminar in Solvents Sector	0	21,120	10,000	Oct 1992
COSTA RICA	's Subtotal :				0	433,400	235,739	
1 CUBA	CUB/SEV/08/CPG/01	INT/92/G61	OPS	Country programme preparation	0	20,000	15,000	Oct 1992
2 CUBA	CUB/SEV/10/INS/02	CUB/93/G61	Nat	Institutional Strengthening	0	172,000	76,000	June 1993
CUBA	's Subtotal :				0	192,000	91,000	

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1 ECUADOR	ECU/REF/06/TRA/03	INT/92/G61	OPS	CFC refrigerant conversion	0	140,000	148,450	Feb 1992
ECUADOR	's Subtotal :				0	140,000	148,450	
1 EGYPT	EGY/FOA/08/INV/05	EGY/92/G61	OPS	Misr Foams Flex.Polyureth.Foams	121	497,000	500,489	Oct 1992
2 EGYPT	EGY/FOA/08/INV/06	EGY/92/G61	OPS	Taki-Vita rigid polyureth. foam	50	352,500	460,886	Oct 1992
3 EGYPT	EGY/FOA/08/INV/07	EGY/92/G61	OPS	Technopol Co.molded polyurethane	55	645,000	676,211	Oct 1992
4 EGYPT	EGY/FOA/09/INV/10	EGY/92/G61	OPS	Al-Sharif Plastic Factories	75	498,000	13,880	Mar 1993
5 EGYPT	EGY/FOA/09/INV/11	EGY/92/G61	OPS	Misr Foams molded foam	28	275,000	284,431	Mar 1993
6 EGYPT	EGY/FOA/10/INV/15	EGY/93/G61	OPS	MOBICA polyurethane foam	20	434,000	397,029	June 1993
7 EGYPT	EGY/FOA/10/INV/16	EGY/93/G62	OPS	OLYMPIC Electric Rigid PUF	75	940,000	857,529	June 1993
8 EGYPT	EGY/FOA/11/INV/18	EGY/93/G64	OPS	SECC Rigid PUF	15	85,000	75,095	Nov 1993
9 EGYPT	EGY/FOA/11/INV/19	EGY/93/G65	OPS	Dekheila Chemical Flex PUF	130	650,000	440,000	Nov 1993
10 EGYPT	EGY/FOA/11/INV/21	EGY/93/G63	OPS	Horse Foam Flexible PUF	120	385,000	200,000	Nov 1993
11 EGYPT	EGY/FOA/12/INV/22	EGY/94/G62	OPS	Flexible PUF in Two Companies	170	525,000	0	Mar 94
12 EGYPT	EGY/FOA/12/INV/26	EGY/94/G61	OPS	Rigid PUF in Five Enterprises	44	870,000	0	Mar 94
13 EGYPT	EGY/HAL/12/TAS/23	INT/94/G61	OPS	National Halons Action Plan	0	25,000	0	Mar 94
14 EGYPT	EGY/REF/08/INV/09	EGY/92/G61	OPS	Koldair Co. refrigeration	18	272,000	250,021	Oct 1992
15 EGYPT	EGY/REF/12/INV/21	EGY/94/G63	OPS	Commercial Refrigeration (Five)	205	2,100,000	0	Mar 94
16 EGYPT	EGY/SEV/05/TRA/02	INT/91/G61	OPS	Study tours for government	0	51,000	44,090	June 1991
17 EGYPT	EGY/SEV/06/PRP/03	EGY/92/G61	OPS	Prepare investment projects	0	100,000	100,319	Feb 1992
18 EGYPT	EGY/SEV/11/PRP/20	INT/93/G61	OPS	Project Preparation Assistance	0	75,000	40,209	Nov 1993
EGYPT	's Subtotal :				1,126	8,779,500	4,340,189	
1 GHANA	GHA/FOA/08/TAS/03	INT/92/G61	OPS	Technical assistance - Foams	0	85,000	20,500	Oct 1992
2 GHANA	GHA/FOA/12/INV/07	GHA/94/G61	OPS	Flexible PUF Umbrella Project	316	345,000	0	Mar 94
3 GHANA	GHA/REF/04/TRA/02	INT/91/G61	OPS	Refrigeration training programme	0	5,200	5,200	June 1991
4 GHANA	GHA/REF/08/TAS/04	INT/92/G61	OPS	Improved servicing/maint Refg.	0	328,000	0	Oct 1992
5 GHANA	GHA/SEV/08/INS/05	GHA/92/G61	Nat	Institutional Strengthening	0	160,000	60,000	Oct 1992
GHANA	's Subtotal :				316	923,200	85,700	
1 GUATEMALA	GUA/SEV/11/PRP/05	INT/93/G61	OPS	Project Preparation Assistance	0	30,000	5,465	Nov 1993
GUATEMALA	's Subtotal :				0	30,000	5,465	
1 INDIA	IND/FOA/12/INV/16	IND/94/G62	Nat	CAMPOR & ALLIED Polyethylene	120	280,000	0	Mar 94
2 INDIA	IND/FOA/12/INV/17	IND/94/G63	Nat	SUNPRA Rigid PUF Panels	20	414,000	0	Mar 94
3 INDIA	IND/FOA/12/INV/18	IND/94/G61	Nat	EAGLE FLASK Rigid PUF	20	365,000	0	Mar 94
4 INDIA	IND/SEV/08/INS/02	IND/92/G61	Nat	Institutional Strengthening	0	430,600	166,970	Oct 1992
5 INDIA	IND/SEV/08/PRP/01	INT/92/G61	OPS	Assistance in project prep.	0	100,000	81,661	Oct 1992
6 INDIA	IND/SEV/09/CPR/03	INT/93/G61	OPS	Country programme preparation	0	200,000	200,000	Mar 1993
7 INDIA	IND/SEV/11/TAS/11	IND/93/G61	OPS	ODS Survey in Small Scale Ind.	0	120,000	0	Nov 1993
8 INDIA	IND/SEV/12/PRP/19	INT/94/G61	OPS	Project Preparation Assistance	0	100,000	0	Mar 94
INDIA	's Subtotal :				160	2,009,600	448,631	
1 INDONESIA	IDS/SEV/08/CPG/01	INT/92/G61	OPS	Country programme preparation	0	200,000	200,000	Oct 1992
2 INDONESIA	IDS/SEV/10/INS/05	INS/93/G61	Nat	Institutional Strengthening	0	314,780	113,260	June 1993
3 INDONESIA	IDS/SEV/11/PRP/06	INT/93/G61	OPS	Project Preparation Assistance	0	100,000	25,083	Nov 1993
INDONESIA	's Subtotal :				0	614,780	338,343	
1 IRAN	IRA/SEV/04/TAS/01	INT/91/G61	OPS	ODS reconnaissance survey	0	30,350	30,350	June 1991
2 IRAN	IRA/SEV/06/CPG/02	INT/92/G61	OPS	Country programme preparation	0	35,000	35,000	Feb 1992
3 IRAN	IRA/SEV/08/INS/04	IRA/92/G61	Nat	Institutional strengthening	0	200,200	62,500	Oct 1992
4 IRAN	IRA/SEV/08/PRP/05	INT/92/G61	OPS	Project preparation assistance	0	50,000	17,935	Oct 1992
IRAN	's Subtotal :				0	315,550	145,785	
1 JORDAN	JOR/ARS/04/TAS/01	INT/91/G61	OPS	Technical assistance Aerosol	0	29,000	29,000	June 1991
2 JORDAN	JOR/ARS/06/TAS/12	INT/92/G61	OPS	Deodorization of local gas	0	12,000	12,000	Feb 1992
JORDAN	's Subtotal :				0	41,000	41,000	
1 KENYA	KEN/REF/10/TRA/05	INT/91/G61	OPS	Demonstration of Ref and Air/con	0	9,850	9,852	June 1991
2 KENYA	KEN/SEV/06/CPG/02	INT/92/G61	OPS	Country programme preparation	0	25,000	22,730	Feb 1992
3 KENYA	KEN/SEV/09/INS/04	KEN/93/G61	Nat	Institutional strengthening	0	175,000	43,000	Mar 1993
KENYA	's Subtotal :				0	209,850	75,582	
1 MALAYSIA	MAL/ARS/12/TAS/30	MAL/94/G68	OPS	Aerosols Technical Programme	0	145,700	0	Mar 94
2 MALAYSIA	MAL/FOA/10/INV/11	MAL/93/G62	OPS	Jumaya Industries polystyrene	150	235,811	235,873	June 1993
3 MALAYSIA	MAL/FOA/11/INV/15	MAL/93/G63	OPS	KEY ASSET SDN.Bhd Integral Skin	30	690,000	690,000	Nov 1993

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4 MALAYSIA	MAL/FOA/11/INV/16	MAL/93/G65	OPS	INSAFOAM Insulation Company	30	310,000	310,000	Nov 1993
5 MALAYSIA	MAL/FOA/11/INV/17	MAL/93/G66	OPS	Island Resources Company	30	230,000	230,000	Nov 1993
6 MALAYSIA	MAL/FOA/11/INV/21	MAL/93/G64	OPS	Associated Air-Pack Industries	50	234,000	9,589	Nov 1993
7 MALAYSIA	MAL/FOA/12/INV/22	MAL/94/G62	OPS	CYCLE WORLD PUF insulated panel	45	353,000	0	Mar 94
8 MALAYSIA	MAL/FOA/12/INV/23	MAL/94/G65	OPS	PULAI-LAMIPAK elimination of CFC	50	355,000	0	Mar 94
9 MALAYSIA	MAL/FOA/12/INV/24	MAL/94/G63	OPS	P.U.Tech, Skin/Spoiler/Flex-PUF	24	198,000	0	Mar 94
10 MALAYSIA	MAL/FOA/12/INV/25	MAL/94/G66	OPS	P.U. MATE Integral Skin	10	113,000	0	Mar 94
11 MALAYSIA	MAL/FOA/12/INV/26	MAL/94/G64	OPS	PEXAFOAM Flexible Slabstock PUF	120	195,000	0	Mar 94
12 MALAYSIA	MAL/FOA/12/INV/27	MAL/94/G67	OPS	N.Y.L. Slabstock PUF	55	130,000	0	Mar 94
13 MALAYSIA	MAL/FOA/12/INV/33	MAL/94/G70	OPS	Slabstock/Small-Scale Producers	80	1,045,000	0	Mar 94
14 MALAYSIA	MAL/REF/04/TRA/01	INT/91/G61	OPS	Training in MAC sector	0	50,000	0	June 1991
15 MALAYSIA	MAL/REF/12/INV/29	MAL/94/G71	OPS	SHARP-ROXY Home Refrigerators	65	962,000	0	Mar 94
16 MALAYSIA	MAL/SEV/09/INS/08	MAL/93/G61	Nat	Institutional strengthening	0	322,520	115,920	Mar 1993
17 MALAYSIA	MAL/SEV/10/PRP/14	INT/93/G61	OPS	Project preparation assistance	0	50,000	54,438	June 1993
18 MALAYSIA	MAL/SEV/10/TRA/13	INT/93/G61	OPS	National ODS Conference	0	40,000	40,000	June 1993
19 MALAYSIA	MAL/SEV/12/PRP/31	INT/94/G61	OPS	Project Preparation Assistance	0	100,000	14,736	Mar 94
20 MALAYSIA	MAL/SOL/11/INV/18	MAL/93/G67	OPS	Ngai Cheong Metal Industries	23	63,480	63,480	Nov 1993
21 MALAYSIA	MAL/SOL/11/INV/19	MAL/93/G68	OPS	Matsushita Elec.Co. Main Plant	10	113,570	113,570	Nov 1993
22 MALAYSIA	MAL/SOL/11/INV/20	MAL/93/G69	OPS	Matsushita Elec. Co. Port Klang	10	173,280	173,280	Nov 1993
23 MALAYSIA	MAL/SOL/12/INV/21	MAL/94/G69	OPS	PROTON Auto-Bumper Cleaning	19	700,439	0	Mar 94
24 MALAYSIA	MAL/SOL/12/INV/28	MAL/94/G61	OPS	San Matech IC Frame Cleaning	5	141,100	0	Mar 94
MALAYSIA 's Subtotal :					806	6,950,900	2,050,886	
1 MAURITIUS	MAU/ARS/12/INV/03	MAU/94/G61	Nat	COMANU Aerosol Conversion	30	62,150	0	Mar 94
2 MAURITIUS	MAU/SEV/12/PRP/04	INT/94/G61	OPS	Preparatory Assistance	0	25,000	0	Mar 94
MAURITIUS 's Subtotal :					30	87,150	0	
1 MEXICO	MEX/HAL/06/TAS/06	INT/92/G61	OPS	Preparatory study on halons	0	25,000	27,223	Feb 1992
2 MEXICO	MEX/SEV/04/PRP/03	INT/91/G61	OPS	Preparation of Projects	0	50,000	52,277	June 1991
3 MEXICO	MEX/SEV/11/PRP/14	INT/93/G61	OPS	Project Preparation Assistance	0	50,000	11,057	Nov 1993
MEXICO 's Subtotal :					0	125,000	90,557	
1 NIGERIA	NIR/SEV/04/TRA/02	INT/91/G61	OPS	National seminar on industry	0	49,650	26,449	June 1991
2 NIGERIA	NIR/SEV/09/INS/04	NIR/93/G61	Nat	Institutional strengthening	0	300,000	111,174	Mar 1993
NIGERIA 's Subtotal :					0	349,650	137,623	
1 PANAMA	PAN/SEV/11/PRP/03	INT/93/G61	OPS	Project Preparation Assistance	0	30,000	3,972	Nov 1993
PANAMA 's Subtotal :					0	30,000	3,972	
1 PHILIPPINES	PHI/FOA/12/INV/23	PHI/94/G62	OPS	Polystyrene Sheet - 3 companies	24	505,000	0	Mar 94
2 PHILIPPINES	PHI/FOA/12/INV/24	PHI/94/G61	OPS	NIKON Rigid PUF for Thermoware	15	315,000	0	Mar 94
3 PHILIPPINES	PHI/FOA/12/INV/26	PHI/94/G63	OPS	Small Flexible Foam Manufactur.	35	745,000	0	Mar 94
4 PHILIPPINES	PHI/REF/04/TRA/01	INT/91/G61	OPS	Training programme Refrigeration	0	64,000	62,297	June 1991
5 PHILIPPINES	PHI/SEV/08/CPG/05	INT/92/G61	OPS	Country programme preparation	0	79,640	84,820	Oct 1992
6 PHILIPPINES	PHI/SEV/11/PRP/22	INT/93/G61	OPS	Project Preparation Assistance	0	50,000	15,000	Nov 1993
7 PHILIPPINES	PHI/SEV/11/TAS/20	INT/93/G61	OPS	Survey of ODS in SSI	0	100,000	0	Nov. 93
PHILIPPINES 's Subtotal :					74	1,858,640	162,117	
1 SRI LANKA	SRL/SEV/06/CPG/01	INT/92/G61	OPS	Country programme preparation	0	35,000	35,000	Feb 1992
2 SRI LANKA	SRL/SEV/12/INS/02	SRI/94/G61	Nat	Institutional Strengthening	0	154,680	59,040	Mar 94
SRI LANKA 's Subtotal :					0	189,680	94,040	
1 THAILAND	THA/FOA/11/INV/20	THA/93/G62	OPS	Thermaxflex Insulation Asia Co.	30	220,000	0	Nov 1993
2 THAILAND	THA/FOA/12/INV/25	THA/94/G63	OPS	Polystyrene Foam Sheet (2 comp)	100	455,000	0	Mar 94
3 THAILAND	THA/FOA/12/INV/26	THA/94/G62	OPS	HENGER PANEL Insulation Panels	15	257,500	0	Mar 94
4 THAILAND	THA/FOA/12/INV/27	THA/94/G61	OPS	MIC-CELL elimination of CFCs	44	339,500	0	Mar 94
5 THAILAND	THA/FOA/12/INV/29	THA/94/G64	OPS	MODULAR COMPOUND insulat.panels	30	508,000	0	Mar 94
6 THAILAND	THA/SEV/04/TRA/02	INT/91/G61	OPS	Training -Gov't technical staff	0	50,000	53,785	June 1991
7 THAILAND	THA/SEV/09/INS/08	THA/93/G61	Nat	Institutional Strengthening	0	400,000	143,000	Mar 1993
8 THAILAND	THA/SEV/10/PRP/11	INT/93/G61	OPS	Project Preparation Assistance	0	50,000	30,261	June 1993
THAILAND 's Subtotal :					219	2,280,000	227,046	
1 TRINIDAD AND	TRT/SEV/04/TRA/01	INT/91/G61	OPS	Training Gov't Technical Staff	0	53,800	37,877	June 1991
2 TRINIDAD AND	TRT/SEV/06/CPG/03	INT/92/G61	OPS	Country programme preparation	0	25,000	19,000	Feb 1992
TRINIDAD AND 's Subtotal :					0	78,800	56,877	

UNDP PROJECTS UNDER THE MULTILATERAL FUND

printed on: 23/06/94

Country	MP-Number	UNDP-Nr	Ex.Ag	Project Title	ODS tonnes	Budget US\$	Disbursed US\$	Date Approved
1 URUGUAY	URU/REF/12/TAS/04	URU/94/G61	Nat	Demo Programme Recovery/Recycle	22	175,000	0	Mar 94
2 URUGUAY	URU/SEV/04/TAS/01	INT/91/G61	OPS	Consultant -Technical assistance	0	13,050	14,042	June 1991
3 URUGUAY	URU/SEV/08/CPG/02	INT/92/G61	OPS	Country programme preparation	0	23,894	25,444	Oct 1992
4 URUGUAY	URU/SEV/10/INS/03	URU/93/G61	Nat	Institutional strengthening	0	173,800	53,000	June 1993
URUGUAY	's Subtotal :				22	385,744	92,486	
1 VENEZUELA	VEN/HA/09/TAS/09	INT/93/G61	OPS	Workshops-Recycling of Halons	0	26,800	23,100	Mar 1993
2 VENEZUELA	VEN/REF/04/TRA/01	INT/91/G61	OPS	TA in refrigeration sector	0	30,000	19,020	Jun 1991
3 VENEZUELA	VEN/REF/09/PRP/10	INT/93/G61	OPS	Workshops - Ref. Identification	0	19,800	8,400	Mar 1993
4 VENEZUELA	VEN/REF/09/TAS/11	INT/93/G61	OPS	Workshops on non-ODS Air/con	0	26,200	13,200	Mar 1993
5 VENEZUELA	VEN/REF/09/TAS/12	INT/93/G61	OPS	Pilot Domestic Refr. MADOSA	8	100,000	100,000	Mar 1993
6 VENEZUELA	VEN/REF/12/DEM/14	INT/93/G61	OPS	Pilot Programme in MAC	0	13,400	6,700	Mar 94
7 VENEZUELA	VEN/SEV/09/INS/08	VEN/92/G61	Nat	Institutional strengthening	0	329,192	111,227	Oct 1992
8 VENEZUELA	VEN/SEV/11/CPG/17	INT/93/G61	OPS	Venezuela Country Program	0	12,000	0	Nov 93
VENEZUELA	's Subtotal :				8	557,392	281,647	
1 VIETNAM	VIE/SEV/12/PRP/01	INT/94/G61	OPS	Project Preparation Assistance.	0	100,000	4,000	Mar 94
VIETNAM	's Subtotal :				0	100,000	4,000	
1 REGIONAL	AFR/FOA/06/TRA/03	INT/92/G61	OPS	Low-CFC foam (M.E./Africa)	0	52,500	38,087	Feb 1992
2 REGIONAL	ASP/FOA/06/TRA/05	INT/92/G61	OPS	Low-CFC Foams (Asia & Pacific)	0	52,500	36,828	Feb 1992
3 REGIONAL	ASP/REF/06/TRA/03	INT/92/G61	OPS	MAC recycling-(M.E. and Asia)	0	45,000	0	Feb 1992
4 REGIONAL	GLO/HA/06/TRA/16	INT/92/G61	OPS	Two Halons Reduction (Afr/M.E.)	0	60,000	39,012	Feb 1992
5 REGIONAL	GLO/REF/06/TRA/03	INT/92/G61	OPS	MAC recycling demo Pr (Middle E)	0	45,000	0	Feb 1992
6 REGIONAL	LAC/FOA/06/TRA/02	INT/92/G61	OPS	Low-CFC foam (Latin America)	0	52,500	53,812	Feb 1992
7 REGIONAL	LAC/HA/06/TRA/03	INT/92/G61	OPS	Halons reduction - (Latin Am.)	0	60,000	44,842	Feb 1992
8 REGIONAL	LAC/REF/06/TRA/04	INT/92/G61	OPS	MAC CFC-recycling (Latin Am.)	0	45,000	0	Feb 1992
9 REGIONAL	LAC/REF/06/TRA/05	INT/92/G61	OPS	Industrial Refri. Latin America	0	23,000	23,047	Feb 1992
REGIONAL	's Subtotal :				0	435,500	235,628	
1 GLOBAL	GLO/ARS/06/TAS/05	INT/92/G61	OPS	Technical assistance in aerosols	0	60,000	44,212	Feb 1992
2 GLOBAL	GLO/FOA/06/TAS/08	INT/92/G61	OPS	Tech Assistance - Flexible PUF	0	40,000	40,000	Feb 1992
3 GLOBAL	GLO/FOA/06/TAS/17	INT/92/G61	OPS	Tech Assistance Rigid PUF	0	60,000	60,000	Feb 1992
4 GLOBAL	GLO/HA/06/DEM/04	INT/92/G61	OPS	Procure 40 halon recyl. machines	0	250,000	250,000	June 1992
5 GLOBAL	GLO/HA/06/TAS/10	INT/92/G61	OPS	Technical Assistance in Halons	0	70,000	70,000	Feb 1992
6 GLOBAL	GLO/HA/08/TAS/23	INT/92/G61	OPS	Global Halons Project	0	345,133	41,765	Oct 1992
7 GLOBAL	GLO/REF/06/TAS/06	INT/92/G61	OPS	Technical Assistance in MAC	0	50,000	13,623	Feb 1992
8 GLOBAL	GLO/REF/06/TAS/07	INT/92/G61	OPS	Technical Assistance- Refrig.	0	90,000	66,000	Feb 1992
9 GLOBAL	GLO/REF/08/TAS/24	INT/92/G61	OPS	Global MAC project	0	318,584	82,340	Oct 1992
10 GLOBAL	GLO/SEV/06/TRA/11	INT/92/G61	OPS	Three National Policy Workshops	0	45,000	27,240	Feb 1992
11 GLOBAL	GLO/SEV/06/TRA/12	INT/92/G61	OPS	Two Study-Tours for Indus. Rep.	0	50,000	0	Feb 1992
12 GLOBAL	GLO/SEV/06/TRA/13	INT/92/G61	OPS	Participation at Workshops	0	140,000	131,737	Feb 1992
13 GLOBAL	GLO/SEV/12/TAS/63	INT/94/G61	OPS	Safety Pre- and Post-Assessment	0	25,000	0	Mar 94
14 GLOBAL	GLO/SOL/06/TAS/09	INT/92/G61	OPS	Technical Assistance in Solvents	0	50,000	50,000	Feb 1992
GLOBAL	's Subtotal :				0	1,593,717	876,917	

GRAND TOTAL :

3,179 38,229,277 12,562,023

COMPLETED ACTIVITIES UNDER UNDP'S WORK PROGRAMME UNDER THE MONTREAL PROTOCOL
(as of 13 June 1994)

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Project Number, Sector and Type	Project Title	ODS to be phased out (tonnes)	Approved Funding (US\$)	Disbursed Obligated (US\$)	Date of Approval	Date of Completion Proposed/Expected	STATUS (Progress/Delay)
<u>BANGLADESH</u>							
BGD/SEV/04/TAS/01: Sector: Sev Type: CPG	<u>ODS reconnaissance survey and training</u>	0	55,000	53,850	June 1991	4Q92 2Q93	Completed. Reconnaissance study completed in February 1993 and training activities completed in mid-1993. Reconnaissance study was used as the basis for country programme preparation and a draft CP report is under review. The balance of the funds (\$1,150) would be used during CP preparation.
<u>BRAZIL</u>							
BRA/REF/06/DEM/01: Sector: Ref Type: DEM	<u>Demonstration programme for analysis of refrigerant CFC reuse technologies & processes</u>	0	25,000	25,000	Feb 1992	4Q92 2Q94	Completed. The study was completed in May 1994 and comprised three phases: first, a study on relevant US conditions, second, a study on Brazilian conditions, and third, comparison and evaluation of the results with recommendations for future sectoral programmes in Brazil. The final report has been received recently and will be commented upon by UNDP's refrigeration sector expert during his upcoming visit to Brazil during late-June 1994.
<u>CHILE</u>							
CHI/REF/06/DEM/02: Sector: Ref Type: DEM	<u>Demonstration programme for technicians in refrigerator</u>	0	25,000	25,000	Feb 1992	4Q92 3Q93	Completed. A national workshop and demonstration programme was held during 21-22 June 1993. The proceedings were prepared (in Spanish) and distributed to all participants.
<u>CHINA</u>							
CPR/FOA/06/TAS/04: Sector: Foam Type: TAS	<u>Quality control testing on CFC-11 substitute technology in a production line for home refrigerators</u>	0	65,000	60,019	Feb 1992	4Q92 3Q93	Completed. Technologies used in the US and Japan were evaluated for relevance in China. The result of this technical assistance has been to significantly boost the ODS phaseout investment programme in the refrigerator sector. Several investment projects are under preparation and will use a one-step rather than a two-step ODS phaseout process.

COMPLETED ACTIVITIES UNDER UNDP'S WORK PROGRAMME UNDER THE MONTREAL PROTOCOL
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Project Number, Sector and Type	Project Title	ODS to be phased out (tonnes)	Approved Funding (US\$)	Disbursed Obligated (US\$)	Date of Approval	Date of Completion Proposed/Expected	STATUS (Progress/Delay)
CPR/FOA/06/TAS/05: Sector: Foam Type: TAS	<u>Technical Assistance for CFC-11 substitute technology in rigid polyurethane foam</u>	0	70,000	70,000	Feb 1992	4Q92 3Q93	Completed. Technology assessment visit during August 28 - 17 September 1993 on rigid spray and pipe insulation. Several European (Belgium, Denmark, Germany and Netherlands) industries using CFC-free technologies in their plants were visited. The team attended the Congress on CFC-free Technologies in Aarhus, Denmark. Both technology assessment visits will result in demonstration projects in this area to be submitted in 1994. The information received during the mission will allow the design of projects for CFC-free technology instead of 50% CFC-reduced technology.
CPR/HAL/06/TAS/06: Sector: Halon Type: TAS	<u>Technical study on halons usage and applications of halons substitutes</u>	0	40,000	43,345	Feb 1992	4Q92 2Q93	Completed. The technology review team visited Denmark, Germany and the UK in June/July 1993 to examine the use of halon alternatives, to review the practical problems on replacing halons in critical applications, and to evaluate new technology development. The information obtained is being used to develop China's halons sector phaseout strategy.
CPR/REF/06/TAS/07: Sector: Ref Type: TAS	<u>Feasibility study on the application of HFC-134a technology in MACs and CFC recycling</u>	0	40,000	24,836	Feb 1992	4Q92 4Q93	Completed. Activity undertaken by the China National Automotive Industry Corporation (CNAIC). Cooperating bodies were the China Automotive Technology and Research Center, the Shanghai Automobile Institute and the Changchun Automobile Research Institute. A technology assessment mission to Europe and Asia took place during 20 September - 10 October 1993. Final report has been received. Some financial obligations are still outstanding.
CPR/REF/06/TRA/08: Sector: Ref Type: TAS	<u>Evaluation on the use of reduced ODS and ODS-free technologies in the manufacture of refrigerators</u>	0	75,000	75,000	Feb 1992	1Q93 3Q93	Completed. Two technology assessment missions undertaken in August 1993. Evaluation of European recycling technologies resulted in several project proposals being prepared. Evaluation of technologies in the refrigeration area covering foams as well as refrigerants in Europe, Japan and USA were combined for financial reasons.
CPR/SEV/06/CPG/12: Sector: Sev Type: CPG	<u>Country programme preparation</u>	0	200,000	200,000	Feb 1992	1Q93 1Q93	Completed. Country Programme prepared with UNDP as lead implementing agency. It was approved by the ExCom at its 9th Meeting in March 1993.

COMPLETED ACTIVITIES UNDER UNDP'S WORK PROGRAMME UNDER THE MONTREAL PROTOCOL
(as of 13 June 1994)

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Project Number, Sector and Type	Project Title	ODS to be phased out (tonnes)	Approved Funding (US\$)	Disbursed Obligated (US\$)	Date of Approval	Date of Completion Proposed/Expected	STATUS (Progress/Delay)
CPR/SEV/09/PRP/28: Sector: Sev Type: PRP	<u>Project preparation assistance</u>	0	100,000	100,000	Mar 1993	4Q93 3Q93	Completed. UNDP technical sector experts in halons, foams & solvents and other UNDP consultants have assisted the Government in developing and technically reviewing project proposals. Two foams projects (\$1,280,000), two solvents projects (\$803,700), one halons project (\$280,000) and one refrigeration sector project (\$200,000) were approved at the 10th ExCom in June 1993 and are being implemented. One foam project (\$435,000), one CFC recycling project (\$100,000), and a national standards project (\$362,500) were approved at the 11th ExCom in November 1993.
CPR/SOL/06/TAS/09: Sector: Solvent Type: TAS	<u>Prefeasibility study to phaseout CFC-113 in electronics cleaning in four production lines</u>	0	40,000	41,829	Feb 1992	4Q92 1Q93	Completed. The associated solvents technology evaluation visit in Dec. 1992 evaluated alternative CFC-113 replacement technologies for different production lines and products. Two demonstration production line projects (Dalian, Dandong) were approved by the ExCom in June 1992 and two additional ones (Chengdu, Nanjing) were approved in June 1993.
<u>COSTA RICA</u>							
CSR/SEV/04/TAS/01: Sector: Sev Type: CPG	<u>Reconnaissance study</u>	0	20,000	23,422	June 1991	4Q91 2Q92	Completed. Two missions were undertaken and the ODS reconnaissance study was completed in 2Q1992 and used as a direct input into CP preparation.
CSR/SEV/06/CPG/02: Sector: Sev Type: CPG	<u>Country programme preparation</u>	0	20,000	22,909	June 1992	4Q92 3Q92	Completed. Country programme was finalized in advance of schedule with UNDP as lead agency. It was approved at the 8th ExCom Meeting in October 1992.

CUBA

COMPLETED ACTIVITIES UNDER UNDP'S WORK PROGRAMME UNDER THE MONTREAL PROTOCOL
(as of 13 June 1994)

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Project Number, Sector and Type	Project Title	ODS to be phased out (tonnes)	Approved Funding (US\$)	Disbursed Obligated (US\$)	Date of Approval	Date of Completion Proposed/Expected	STATUS (Progress/Delay)
CUB/SEV/08/CPG/01: Sector: Sev Type: CPG	<u>Country programme preparation</u>	0	20,000	15,000	Oct 1992	2Q93 2Q93	Completed. Following completion of the ODS reconnaissance study, the preparation of the CP started immediately thereafter. The CP was completed very rapidly and was presented and approved at the 10th ExCom Meeting in June 1993. A project identification mission requested by the Government was implemented by a UNDP/MPU staff in February 1994 resulting in two project proposals submitted for approval to the 13th ExCom Meeting.
<u>ECUADOR</u>							
ECU/REF/06/TRA/03: Sector: Ref Type: TRA	<u>CFC refrigerant conversion and materials handling training programme</u>	0	140,000	148,450	Feb 1992	2Q94 2Q94	Completed. The original amount approved in 1992 was \$100,000. Two initial workshops were held in aerosols, foams, halons and refrigeration. The workshops, at which the World Bank also played a key role, had several participants from Governmental agencies and NGOs. An additional \$40,000 was approved in July 1993. The following additional workshops were completed: Solvents (Quito, 1-2 March 94, Guayaquil, 3-4 March 94), Aerosols (Quito, 7-8 March 94, Guayaquil, 10-11 March 94), Refrigeration/MAC (Quito, 14-16 March 94, Guayaquil, 17-18 March 94) and one in Foams (Quito, 21-23 March 94). Workshop reports are expected shortly.
<u>EGYPT</u>							
EGY/FOA/08/INV/05: Sector: Foam Type: INV	<u>Phaseout of CFC-11 in the manufacturing of flexible polyurethane foam at Mizr Foam Factory</u>	121	497,000	500,489	Oct 1992	4Q94 1Q94	Completed. Implementation started in March 1993. The project objective was to phaseout CFC-11 on a slabstock foam machine using methylene chloride as an auxiliary blowing agent. Missions were undertaken in Sept93, Nov93 and Jan94. Construction and installation activities were completed and additional safety systems installed. A completion certificate was issued in January 1994 and, through a Hand-Over Protocol, the equipment was officially transferred to the company through the Government. 121 tonnes/year of CFC-11 were phased-out through this project, which was completed almost one year ahead of schedule.

COMPLETED ACTIVITIES UNDER UNDP'S WORK PROGRAMME UNDER THE MONTREAL PROTOCOL
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Project Number, Sector and Type	Project Title	ODS to be phased out (tonnes)	Approved Funding (US\$)	Disbursed Obligated (US\$)	Date of Approval	Date of Completion Proposed/Expected	STATUS (Progress/Delay)
EGY/FOA/08/INV/07: Sector: Foam Type: INV	<u>Phase-out of CFC-11 in the manufacture of molded polyurethane foams at Technopol Co.</u>	55	645,000	676,211	Oct 1992	4Q94 2Q94	Completed. The project replaced CFC-11 by switching to an all-water blown technology. Equipment supplied included a urethane dispensing machine and associated equipment for the molding operation. Equipment installation and staff training has been completed. The project was commissioned on 18 April 1994, half a year ahead of schedule and has phased-out 55 tonnes/year of CFC-11.
EGY/FOA/09/INV/11: Sector: Foam Type: INV	<u>Phaseout of CFC-11 in molded foam manufacturing at Mizr Foam Factory</u>	28	275,000	284,431	Mar 1993	1Q94 4Q93	Completed. The objective was to eliminate CFC-11 use through high-pressure molding machines using an all-water blown system. UNDP foam experts visited the project site in Sept93 and Nov93. Equipment installation, startup and national staff training were completed. The completion certificate was issued and equipment was handed over to the company through the Government on 9 November 1993, ahead of schedule. Through this project, 28 tonnes/year of CFC-11 were phased-out.
EGY/REF/08/INV/09: Sector: Ref Type: INV	<u>Phaseout of CFCs in refrigeration at Koldair Company</u>	18	272,000	250,021	Oct 1992	4Q94 1Q94	Completed. Equipment procured and installed. Following a mission by UNDP's refrigeration sector expert in Jan94, the project was commissioned, the completion certificate was issued and equipment was handed over to the company through the Government in January 1994. 18 tonnes/year of ODS were phased-out through recycling and recovery during maintenance of refrigeration units. The project was completed almost a year ahead of schedule. Since our last status report, additional training (through a consultant) on safety issues has taken place and refrigeration tanks were purchased. The consultant recommended additional safety equipment which is under review.
EGY/SEV/05/TRA/02: Sector: Sev Type: TRA	<u>Study tours for government and industry officials, and pre-feasibility studies</u>	0	51,000	44,090	June 1991	2Q92 2Q92	Completed. Study tours were completed in Nov91 (ozone policy implementation) and in Feb92 (refrigeration). Pre-feasibility studies were prepared mainly by national experts and EEAA staff and led to the formulation of refrigeration and foam sector investment projects. \$75,000 from the original budget was transferred to activity EGY/SEV/11/PRP/20 (see below) as approved at the 11th ExCom Meeting in Nov 93. The increase in cost compared to the previous report is to cover the expense of a visit by UNDP's refrigeration consultant in April 94 as a follow-up to one of the older pre-feasibility studies.

COMPLETED ACTIVITIES UNDER UNDP'S WORK PROGRAMME UNDER THE MONTREAL PROTOCOL
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Project Number, Sector and Type	Project Title	OOS to be phased out (tonnes)	Approved Funding (US\$)	Disbursed Obligated (US\$)	Date of Approval	Date of Completion Proposed/Expected	STATUS (Progress/Delay)
EGY/SEV/06/PRP/03: Sector: Sev Type: PRP	<u>Preparation of investment projects</u>	0	100,000	100,319	Feb 1992	3Q93 3Q93	Completed. Three UNDP expert/staff visits completed by Jan. 1993 during which several foam sector investment projects were formulated. A fourth project preparation visit was completed in April 1993. A fifth combined project implementation and preparation visit was completed in early September 1993. 11 investment projects amounting to \$5.03 million were approved by the 8th, 9th, 10th and 11th ExCom Meetings between Oct92 and Nov93 as a direct result of this activity.
<u>GHANA</u>							
GHA/REF/04/TRA/02: Sector: Ref Type: TRA	<u>Refrigeration training programme for servicing technicians</u>	0	5,200	5,200	June 1991	4Q92 4Q92	Completed. It was agreed that UNEP/Paris would implement this activity with UNDP transferring the remaining funds (\$93,800 + support costs) to UNEP/Paris. The funds were decreased accordingly, and the remaining US\$ 5,200 covers a visit by UNDP's refrigeration training consultant, undertaken before the transfer of funds took place.
<u>INDIA</u>							
IND/SEV/08/PRP/01: Sector: Sev Type: PRP	<u>Assistance in project preparation</u>	0	100,000	81,661	Oct 1992	4Q93 1Q94	Completed. A workshop on project preparation was funded during 31 March - 2 April 1993. UNDP sector experts working on the country programme also assisted in project preparation thereby economizing on travel costs. Eight foams sector projects, two halons sector projects and small scale industry project were identified. The small-scale industry survey was approved at the 11th ExCom and 3 foam sector projects totalling \$1.06 million were approved at the 12th ExCom. Four projects totalling \$1.58 million have been submitted for approval at the 13th ExCom. UNDP staff visited New Delhi during 2-4 February 94 for new project finalization and to discuss implementation details of ongoing projects.
IND/SEV/09/CPR/03: Sector: Sev Type: CPG	<u>Country programme preparation</u>	0	200,000	200,000	Mar 1993	3Q93 3Q93	Completed. Presented at the 11th ExCom meeting in November 1993.

COMPLETED ACTIVITIES UNDER UNDP'S WORK PROGRAMME UNDER THE MONTREAL PROTOCOL
(as of 13 June 1994)

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Project Number, Sector and Type	Project Title	ODS to be phased out (tonnes)	Approved Funding (US\$)	Disbursed Obligated (US\$)	Date of Approval	Date of Completion Proposed/Expected	STATUS (Progress/Delay)
<u>INDONESIA</u>							
IDS/SEV/08/CPG/01: Sector: Sev Type: CPG	<u>Country programme preparation</u>	0	200,000	200,000	Oct 1992	4Q93 4Q93	Completed. Country Programme was approved at the 12th Executive Committee Meeting. UNDP was lead agency for CP preparation.
<u>IRAN</u>							
IRA/SEV/04/TAS/01: Sector: Sev Type: CPG	<u>ODS reconnaissance survey</u>	0	30,350	30,350	June 1991	4Q91 2Q92	Completed in 2Q1992 and used as input to the Country Programme.
IRA/SEV/06/CPG/02: Sector: Sev Type: CPG	<u>Country programme preparation</u>	0	35,000	35,000	Feb 1992	4Q92 2Q93	Completed. Country Programme approved at 10th ExCom Meeting in June 1993.
<u>JORDAN</u>							
JOR/ARS/04/TAS/01: Sector: Aerosol Type: TAS	<u>Technical assistance and study in the aerosols sector</u>	0	29,000	29,000	June 1991	4Q91 1Q92	Completed. The two Finnish experts completed their assignments in Feb 1992. The results were used by the World Bank in the development of an aerosols investment project and in specification of additional technical assistance in aerosols and other sectors.
JOR/ARS/06/TAS/12: Sector: Aerosol Type: TAS	<u>Feasibility study on deodorization of local gas as a CFC substitute in cosmetics</u>	0	12,000	12,000	Feb 1992	4Q92 2Q93	Completed. The feasibility study was done based on experience obtained from a technology evaluation visit to Egypt by Jordanian aerosols staff during 12-18 June 1993.

COMPLETED ACTIVITIES UNDER UNDP'S WORK PROGRAMME UNDER THE MONTREAL PROTOCOL
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Project Number, Sector and Type	Project Title	ODS to be phased out (tonnes)	Approved Funding (US\$)	Disbursed Obligated (US\$)	Date of Approval	Date of Completion Proposed/Expected	STATUS (Progress/Delay)
<u>KENYA</u>							
KEN/REF/10/TRA/05: Sector: Ref Type: DEM	<u>Demonstration and training unit for maintenance and recharge of refrigeration and air conditioning equipment</u>	0	9,850	9,852	June 1991	4Q92 4Q92	Completed. It was agreed that UNEP/Paris would implement this activity with UNDP transferring the remaining funds (\$105,248 + support cost) to UNEP Paris. The funds were decreased accordingly, and the remaining \$9,852 covers a visit by UNDP's refrigeration training expert who undertook a training mission to Kenya in late 1992.
KEN/SEV/06/CPG/02: Sector: Sev Type: CPG	<u>Country programme preparation</u>	0	25,000	22,730	Feb 1992	3Q93 2Q94	Completed. Initial mission by UNDP expert in Feb. 93 working with two national experts. A first draft CP was reviewed; it was found that additional work was needed. A UNDP consultant visited Kenya in March 1994 and successfully assisted the counterpart complete the country programme which is being submitted for approval at the 13th ExCom Meeting.
<u>MALAYSIA</u>							
MAL/FOA/10/INV/11: Sector: Foam Type: INV	<u>Elimination of CFC-12 in the manufacture of extruded polystyrene foam sheet at Jumaya Industries</u>	150	235,811	235,873	June 1993	4Q94 4Q93	Completed. Hand-Over Protocol was signed on 4 December 1993. The project phased-out 150 tonnes/year of CFC-12. It was completed almost one year ahead of schedule.
MAL/FOA/11/INV/17: Sector: Foam Type: INV	<u>Elimination of CFC-11 in the manufacture of integral skin PUF at Island Resources Company</u>	30	230,000	230,000	Nov 1993	3Q94 2Q94	Completed. Hand-Over Protocol was signed on 30 April 1994. The project was completed 4-5 months ahead of the targeted 3Q1994 completion date.
MAL/SEV/10/PRP/14: Sector: Sev Type: PRP	<u>Project preparation assistance</u>	0	50,000	54,438	June 1993	1Q94 1Q94	Completed. A second project identification and preparation mission in November 1993 resulted in 7 foam projects, 2 solvents projects, 1 aerosols project and 1 refrigeration sector project approved at the 12th ExCom Meeting for UNDP implementation with a total budget of \$4.34 million.

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Project Number, Sector and Type	Project Title	ODS to be phased out (tonnes)	Approved Funding (US\$)	Disbursed Obligated (US\$)	Date of Approval	Date of Completion Proposed/Expected	STATUS (Progress/Delay)
MAL/SEV/10/TRA/13: Sector: Sev Type: TRA	<u>National ODS Conference</u>	0	40,000	40,000	June 1993	3Q93 3Q93	Completed. Conference held during 20-21 July 1993. 400 national participants were informed on the national phaseout strategy, project preparation modalities and provided with updates on the latest available ODS phaseout technologies.
MAL/SOL/11/INV/19: Sector: Solvent Type: INV	<u>Elimination of the use of TCA (methyl chloroform) in home appliance parts manufacturing at Matsushita Electric Company main plant</u>	10	113,570	113,570	Nov 1993	3Q94 2Q94	Completed. Hand-Over Protocol signed during 2-3 May 1994. The project was completed ahead of the targeted 3Q1994 date.
<u>NIGERIA</u>							
NIR/SEV/04/TRA/02: Sector: Sev Type: TRA	<u>National seminar on industry & protection of the ozone layer</u>	0	49,650	26,449	June 1991	1Q92 4Q92	Completed. The seminar was conducted by UNDP's refrigeration training sector expert, five national consultants, and other resource persons in November 1992. The Government informed UNDP that it was pleased with the effectiveness of the seminar.
<u>PHILIPPINES</u>							
PHI/REF/04/TRA/01: Sector: Ref Type: TRA	<u>Training programme in the refrigeration sector</u>	0	64,000	62,297	June 1991	2Q92 4Q92	Completed. Five training courses and one seminar/conference were completed during 2Q92-3Q92 and all project activities were completed by Dec 1992. Over 150 service centre technicians were trained in refrigeration servicing and recycling procedures so as to cut CFC emissions. National consumer protection groups observed the training programme and have made recommendations for the expansion of this programme to all small-scale production, installation and repair service firms that use CFCs in the refrigeration sector. Copy of the final report given to the Fund Secretariat.
PHI/SEV/08/CPG/05: Sector: Sev Type: CPG	<u>Country programme preparation</u>	0	79,640	84,820	Oct 1992	2Q93 2Q93	Completed. Country Programme approved at the 10th ExCom Meeting in June 1993.

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<u>SRI LANKA</u>							
SRL/SEV/06/CPG/01: Sector: Sev Type: CPG	<u>Country programme preparation</u>	0	35,000	35,000	Feb 1992	2093 4Q93	Completed. Country Programme approved during the 12th ExCom Meeting.
<u>THAILAND</u>							
THA/SEV/04/TRA/02: Sector: Sev Type: TRA	<u>Training of Government staff</u>	0	50,000	53,785	June 1991	2Q92 4Q92	Completed. Several staff trained in CFC replacement technologies and national ODS phaseout policy implementation. Through this activity the Government was able to initiate coordination and monitoring of Protocol-related activities in Thailand using a sector coordinator.
<u>URUGUAY</u>							
URU/SEV/04/TAS/01: Sector: Sev Type: TAS	<u>Consultant mission to assess technical assistance requirements</u>	0	13,050	14,042	June 1991	4Q91 4Q92	Completed. Consultancy visit in October 1992. In addition to assessing technical assistance requirements, the consultants prepared the outline for an ODS reconnaissance study. UNDP's foams consultant visited in April 94 at Govt. request, and these costs will be reversed to the project preparation activity once approved at the 13th ExCom Meeting.
URU/SEV/08/CPG/02: Sector: Sev Type: CPG	<u>Country programme preparation</u>	0	23,894	25,444	Oct 1992	2Q93 2Q93	Completed. The ODS reconnaissance study was undertaken and CP formulation started in February 1993. The CP was finalized in April 1993, and was presented and approved during the 10th ExCom meeting in June 1993. The CP has been translated into English. A late invoice for a translation service requested earlier is responsible for the small cost increase as compared to our previous progress report.

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<u>VENEZUELA</u>							
VEN/HAL/09/TAS/09: Sector: Halon Type: TRA	<u>Workshops for the recycling and banking of halons</u>	0	26,800	23,100	Mar 1993	1094 2094	Completed. UNDP sent an expert to participate at a halons conference in Caracas to discuss new substitutes listed in the NFPA 2001 report. A national, working on halons, attended the Halon Alternatives Workshop in New Mexico (11-13 May 1993) to review halon replacements and alternatives; this will directly assist the design and implementation of future activities in this sector. Another workshop was held in early November 1993 on new substitutes for halons, the report of which is being finalized. This will be the last activity under this project.
VEN/REF/04/TRA/01: Sector: Ref Type: TRA	<u>Technical assistance and training of servicing technicians in the refrigeration sector</u>	0	30,000	19,020	Jun 1991	1092 2092	Completed. Two national seminars on CFC usage in refrigeration systems and alternatives to CFCs were held in June 1992 in Caracas and Valencia. A training videotape produced will be used as a training aid for similar programmes in Latin America.
VEN/REF/09/TAS/11: Sector: Ref Type: TRA	<u>Workshops on conversion and installation of new non-ODS central A/C systems</u>	0	26,200	13,200	Mar 1993	2094 2094	Completed. Two seminars held on 15 April and 14 May 1993 covered technological and financial systems directed to the conversion of plants to alternative substances. Four more seminars are under consideration by the Government. The Government has requested transfer of some of the remaining funds to Halons Project (VEN/REF/12/DEM/14) which was approved at the 12th ExCom Meeting. The budget amount of this project has been decreased accordingly.
<u>REGIONAL</u>							
AFR/FDA/06/TRA/03: Sector: Foam Type: TRA	<u>One of three low-CFC foam training and demonstration programmes (Middle East/Africa)</u>	0	52,500	38,087	Feb 1992	4092 4093	Completed. The Middle East/North Africa Regional Workshop was held in Cairo, Egypt during 2-4 November 1993. The workshop demonstrated project applications using low-CFC foam technologies. Several participants praised UNDP on the high technical content of the workshop. Workshop report finalized.

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ASP/FOA/06/TRA/05: Sector: Foam Type: TRA	<u>One of three low-CFC Foams training and demonstration programme (Asia and Pacific)</u>	0	52,500	36,828	Feb 1992	4Q92 4Q93	Completed. The Asia/Pacific Regional Workshop was held during 7-8 December 1993 in Bangkok, Thailand. Eleven countries participated (10 from Asia and 1 from Africa) who sent two representatives each (one from Government and one from industry). Participants said that the workshop had clarified their technical and operational questions as to the most effective ODS phaseout options and their funding eligibility.
GLO/HAL/06/TRA/16: Sector: Halon Type: TRA	<u>One of two halons reduction - recycling training & demonstration programmes (Africa and Middle East)</u>	0	60,000	39,012	Feb 1992	4Q92 4Q93	Completed. UNDP's Middle East/North Africa Regional Demonstration Programme was held during 6-8 Nov. 1993 in Cairo, Egypt, with the assistance of EEAA and the Danish Institute for Fire Protection Technology. Ten countries from the Middle East area and three from Africa participated. The programme helped raise the awareness of alternative fire extinguishing techniques and halon banking/recycling programmes. Halon-1211 recycling/recovery machines were demonstrated.
LAC/FOA/06/TRA/02: Sector: Foam Type: TRA	<u>One of three low-CFC foam training and demonstration programme (Latin America)</u>	0	52,500	53,812	Feb 1992	4Q93 4Q93	Completed. The South America Regional Foams Workshop was held in Sao Paulo, Brazil, during 15-17 Dec 1993. While 45 participants were expected, 85 showed up, and many of them informed us that the technical content, case studies and incremental cost calculation examples, presented at the workshop were highly appreciated and would be utilized accordingly.
LAC/HAL/06/TRA/03: Sector: Halon Type: TRA	<u>One of two halons reduction - recycling training and demonstration programmes (Latin America)</u>	0	60,000	44,842	Feb 1992	1Q94 2Q94	Completed. The Latin America Regional Workshop and Demonstration Programme on Halons was held in Caracas, Venezuela, during 27-29 April 1994. Two Halon-1211 recycling/recharging machines were demonstrated. Halon-1301 replacement technologies were also covered. USEPA and the Danish Institute for Fire Technology participated and contributed to the substantive content of the workshop.
LAC/REF/06/TRA/05: Sector: Ref Type: TRA	<u>One training and demonstration programme in commercial/ industrial refrigeration in Latin America</u>	0	23,000	23,047	Feb 1992	3Q92 3Q92	Completed. The Latin America regional programme that focused on centrifugal chillers was jointly sponsored by USEPA, UNDP and Mexico and was held during 27-28 July 1992 in Mexico City. In addition to several representatives from Mexico, technical representatives attended from Argentina, Brazil, Panama, Uruguay and Venezuela.

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<u>GLOBAL</u>							
GLO/FOA/06/TAS/08: Sector: Foam Type: TAS	<u>Technical assistance in flexible polyurethane foam sector</u>	0	40,000	40,000	Feb 1992	4Q92 4Q93	Completed. The UNDP foams sector expert during 1992-1993 provided advisory services to China, Egypt, India, Indonesia, Malaysia and Thailand. Ghana was also assisted. In addition, the sector expert was responsible for coordinating technical and organizational arrangements for the three regional foams sector training/demonstration programmes in Asia, Middle East/Africa and Latin America. Other foam consultants have also been recruited to help review projects and assist in provision of technical assistance. Activity completed in 4Q1993.
GLO/FOA/06/TAS/17: Sector: Foam Type: TAS	<u>Technical Assistance in rigid polyurethane foam sector</u>	0	60,000	60,000	Feb 1992	4Q92 4Q93	Completed. See comments on flexible polyurethane foams
GLO/HAL/06/DEM/04: Sector: Halon Type: DEM	<u>Procurement of 40 halon recycling machines for demonstration</u>	0	250,000	250,000	June 1992	2Q93 3Q93	Completed. Procurement of halons recycling equipment completed. This has been of great value particularly with respect to UNDP/USEPA training initiatives in the use of the machines implemented under the Global Halons Project. 27 machines have already been shipped and the remaining 15 will be shipped following the completion of arrangements within countries for their utilization.
GLO/HAL/06/TAS/10: Sector: Halon Type: TAS	<u>Technical assistance in halons</u>	0	70,000	70,000	Feb 1992	4Q92 2Q94	Completed. The UNDP halons sector expert provided advisory services to China, Egypt, India, Indonesia, Malaysia and Thailand. In addition, the sector expert was responsible for the technical content of the Middle East/Africa halons reduction/recycling training and demonstration programme held in Cairo during 6-8 November 1993 and for the Latin American one held in Caracas during 27-29 April 1994.
GLO/SOL/06/TAS/09: Sector: Solvent Type: TAS	<u>Technical assistance in solvents</u>	0	50,000	50,000	Feb 1992	4Q92 3Q93	Completed. UNDP's solvents sector expert during April 1992 to September 1993 provided advisory services to China, India, Indonesia, Malaysia and Thailand. Other countries are being assisted on request. The sector expert is coordinating closely with World Bank and bilateral programmes in the solvents sector.

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<u>ARGENTINA</u>							
ARG/SEV/04/TAS/01: Sector: Sev Type: CPG	<u>Technical assistance for CP preparation</u>	0	25,000	2,000	June 1991	4Q92 3Q94	The Govt. had previously requested UNDP to defer any activity, which delayed implementation. Meetings were held in Buenos Aires in late-February and late-May 1994 attended by UNDP/MPU staff, where the use of the funds were agreed upon. Project implementation will take place in July/August 1994 with visits by UNDP's halons, foams and possibly solvents sector experts.
<u>BANGLADESH</u>							
BGD/SEV/06/CPG/02: Sector: Sev Type: CPG	<u>Country programme preparation</u>	0	25,000	25,000	Feb 1992	3Q93 3Q94	The Government has requested postponement of the submission of the Country Programme for the 14th ExCom meeting so to allow sufficient time for internal CP clearance by the various Ministries.
<u>BRAZIL</u>							
BRA/FOA/12/INV/11: Sector: Foam Type: INV	<u>Conversion to CFC-Free Technology in the Manufacture of Rigid Polyurethane Foam (Spray)</u>	72	370,000	0	Mar 94	2Q95 2Q95	Recently approved. Discussions on project implementation modality were carried out, and the Govt. has selected the national execution modality. Activities including equipment specification and bidding process will start in late-June 1994 with a visit by UNDP's foams sector expert.
BRA/SEV/10/INS/09: Sector: Sev Type: INS	<u>Institutional Strengthening</u>	0	403,100	124,665	June 1993	3Q96 3Q96	Activities started in September 1993 with the establishment of GTO. It assumed its role as a focal point for ozone-related activities and also contributed to a large extent to the finalization of Brazil's country programme and related project identification work. Funds are being disbursed as per budget schedule.
BRA/SEV/11/PRP/10: Sector: Sev Type: PRP	<u>Project Preparation Assistance</u>	0	100,000	5,250	Nov 1993	4Q94 4Q94	A project formulation mission is scheduled for end-June 1994 covering the foams and refrigeration sectors. An earlier mission in the solvents sector was undertaken in May 1994. Recruitment of a national consultant to help in data collection for preparation of projects is under discussion with the Government. Funds disbursed so far only reflect the above-mentioned solvents mission.

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CHINA							
CPR/ARS/06/TAS/02: Sector: Aerosol Type: TAS	<u>Technical assistance for Guandong aerosols investment project and investigation of non-ODS filling technology and LPG purification</u>	0	75,000	45,684	Feb 1992	4Q92 3Q94	Most activities completed in 1993 including investigation of Egyptian experiences in aerosol filling equipment and LPG purification systems. Delay in the procurement of a small filling machine for testing purposes. Completion in 3Q94.
CPR/FOA/06/TAS/03: Sector: Foam Type: TAS	<u>Technical assistance for CFC-11 substitute technology in flexible polyurethane foam</u>	0	70,000	65,000	Feb 1992	4Q92 3Q94	Two technology assessment visits completed in 1993, the first covering flexible foams and the second covering polystyrene and polyethylene foams. The approved \$1.08 million Tianjin flexible foam project was one result and a pipeline of upto nine projects has been identified for World Bank and UNDP implementation. Additional technical assistance will be provided in 3Q1994 to complete this project.
CPR/FOA/07/TAS/17: Sector: Foam Type: TAS	<u>Technical assistance for the Beijing Household Electric Appliances Research Institute (BHEARI)</u>	0	480,000	0	June 1992	4Q95 4Q95	Technical mission in October 1993. A detailed workplan was prepared in January 1994 was revised in March 1994 and further discussed during the visit of the UNDP mission team in April 1994. Implementation and disbursement of funds tied to progress of World Bank investment project.
CPR/FOA/10/INV/52: Sector: Foam Type: INV	<u>Tianjin conversion to CFC-free technology in the manufacture of flexible polyurethane foam</u>	180	1,080,000	817,240	June 1993	3Q94 3Q94	Project signed 26 August 1993 and implementation ongoing. Project implementation was discussed during the April 1994 UNDP team visit. The major project component of international procurement has been completed by UNDP/OPS and the equipment is due to arrive in mid-June 1994. The project authorities are preparing the local site for equipment installation. Commissioning of the project is expected in 3Q1994.
CPR/FOA/10/TAS/37: Sector: Foam Type: TAS	<u>Strategy and action programme for the elimination of CFCs in the manufacture of foams</u>	0	200,000	0	June 1993	3Q94 1Q95	The project is nationally executed. UNDP's foam sector expert recommended amendments to the workplan prepared by project authorities. The workplan was revised accordingly during the visit by the UNDP mission team in April 1994. The revision has been cleared by NCLI and is awaiting clearance by NEPA. Implementation starts immediately thereafter.

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CPR/FOA/11/INV/54: Sector: Foam Type: INV	<u>Conversion to CFC-free technology in the manufacture of rigid PUF (Spray) at Beijing Commercial Machinery Factory (BCMF)</u>	30	435,000	0	Nov 1993	4Q94 1Q95	Project implementation was discussed during the UNDP team visit in April 1994. Project document is ready for signature. NEPA has confirmed its agreement to OPS execution. Project implementation should start in July 1994.
CPR/FUM/12/TAS/60: Sector: Others Type: TAS	<u>Survey of Production and Consumption of Methyl Bromide to Facilitate Planning of a Future Phaseout Programme</u>	0	87,000	0	Mar 94	2Q95 2Q95	Approved in March 1994. Project authorities have been requested to prepare the work plan and a detailed budget disbursement schedule so implementation can start.
CPR/HAL/10/TAS/39: Sector: Halon Type: TAS	<u>Implementation of the halon phaseout plan for China: current situation, revision of national codes, and education and training</u>	0	280,000	0	June 1993	3Q96 3Q96	The workplan and budget disbursement schedule were endorsed by UNDP's halons sector expert during the UNDP team visit in April/May 1994. As a result, NEPA and MPS are preparing a subcontract to implement the project.
CPR/HAL/10/TAS/40: Sector: Halon Type: TAS	<u>Implementation of the halon phaseout plan for China: transfer of technology on alternatives to halon fire protection systems</u>	0	300,000	0	Jun 93	4Q96 4Q96	The signed project document is being revised since NEPA and MPS have proposed OPS execution of the international procurement component of the project following discussions with UNDP's halons sector expert in April/May 1994.
CPR/HAL/12/INV/58: Sector: Halon Type: DEM	<u>Acquisition of Local Air Compressors for Halons Recycling Machines</u>	0	155,000	0	Mar 94	2Q95 2Q95	Approved in March 1994. Procurement already being initiated through assistance of OPS.
CPR/REF/09/TAS/27: Sector: Ref Type: TAS	<u>Testing for applications of CFC substitute chemicals in the refrigeration sector in Southern China</u>	0	100,000	0	Mar 1993	1Q94 2Q94	Project activities are almost completed. Substitutes were imported for testing in 1993 and test reports are being prepared. NEPA is sending a payment request.

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CPR/REF/10/TAS/38: Sector: Ref Type: TAS	<u>Revision of design standards for cold storage</u>	0	200,000	0	June 1993	3Q95 3Q95	There was a change in the national project director and as a result part of the project has been revised. UNDP's sector expert has reviewed and endorsed the revision and workplan. The project authorities have conducted some part of the survey on existing cold storage facilities with government budget. A detailed list of equipment and potential international consultants is being prepared.
CPR/REF/11/TAS/55: Sector: Ref Type: TAS	<u>Survey and development of a national policy to promote CFC recovery and recycling in China</u>	0	100,000	0	Nov 1993	1Q95 1Q95	Document with NEPA awaiting signature by all parties. Implementation to start in July 1994.
CPR/SEV/06/INS/11: Sector: Sev Type: INS	<u>Institutional Strengthening</u>	0	450,000	180,000	Mar 1993	2Q96 2Q96	Progress was discussed with NEPA during the UNDP team visit in April 1994. The 1994 workplan is being prepared by NEPA including plans for equipment procurement under the project. A working session of China's Leading Group for Ozone Layer Protection under the Vienna Convention and Montreal Protocol has been held, the purpose of which is to review developments in this area, discuss and approve amendments to the Country Programme, and to discuss guidelines which NEPA has developed on management and implementation of MP projects.
CPR/SEV/06/TAS/10: Sector: Sev Type: TAS	<u>Establishment of a quality control testing plant for using CFC-12 substitute technology in refrigeration</u>	0	70,000	0	Feb 1992	4Q92 4Q94	Sector expert's visit delayed to 3Q94.
CPR/SEV/09/TAS/29: Sector: Sev Type: TAS	<u>Survey and assessment of small CFC plants conversion possibilities</u>	0	90,000	39,853	Mar 1993	1Q94 3Q94	Survey questionnaires have been developed and sent to the plants and information dissemination to as many small scale industries as can be reached had been implemented. Data compilation and analysis expected to start in 3Q1994.

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CPR/SEV/11/PRP/51: Sector: Sev Type: PRP	<u>Project preparation assistance</u>	0	100,000	48,646	Nov 1993	4Q94 4Q94	UNDP's solvents sector expert and UNDP/OPS visited China during 16-28 April to follow-up nationally executed projects experiencing implementation delays and for new project identification. NEPA, UNDP/NY, UNDP/Beijing and OPS jointly identified and resolved various bottlenecks causing delays in project implementation. UNDP's halons sector expert visit during April/May 1994 covered implementation of two approved halon projects and to develop a project proposal near Guangdong. A visit by UNDP's foam sector expert during 7-20 June 1994 reviewed the status of foam sector project implementation as well as preparation of new project proposals on integral and rigid foam. Four projects amounting to \$1.26 million were approved at the 12th ExCom Meeting. Five projects totalling \$2.4 million have been submitted to the 13th ExCom.
CPR/SEV/11/TAS/56: Sector: Sev Type: TAS	<u>National product qualification and standards evaluation for non-ODS alternatives to CFC applications.</u>	0	362,500	0	Nov 1993	1Q95 1Q95	Project document including detailed workplan and budget disbursement schedule have been finalized. After final review by the sector expert in mid-June, the project document will be signed and implementation will commence.
CPR/SOL/07/DEM/20: Sector: Solvent Type: INV	<u>Dalian precision parts cleaning line demonstration project</u>	86	495,000	45,000	June 1992	4Q94 4Q94	A national survey has been carried out and the survey report is available. Delay in delivery due to Government policy on international procurement. Project authorities are preparing for international equipment procurement through ICB (international competitive bidding) process. Dalian has sent samples to foreign companies for cleaning tests. Following the UNDP expert visit in April/May 1994 aimed at resolving the reasons for delay in implementation, NEPA has agreed to sign a Letter of Agreement with OPS to do the international procurement in order to speed-up project delivery.
CPR/SOL/07/DEM/21: Sector: Solvent Type: INV	<u>Dandong electronic tuner aqueous cleaning line demonstration project</u>	25	495,000	45,000	June 1992	4Q94 4Q94	A national survey has been carried out. Delay in equipment delivery due to the necessity for Government counterpart to receive tax and/or duty concessions for imported project equipment. Project authorities are preparing for international equipment procurement with UNDP assistance.
CPR/SOL/10/INV/35: Sector: Solvent Type: INV	<u>Elimination of CFCs in cleaning operations at Nanjing Wire Works (demonstration project)</u>	14	409,000	0	June 1993	4Q95 4Q95	Project document including detailed workplan and budget disbursement schedule complete. After final review in mid-June, project document will be signed and implementation will commence.

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CPR/SOL/10/INV/36: Sector: Solvent Type: INV	<u>Elimination of CFCs in cleaning operations at the Chengdu Radio Instrument Factory (demo. project)</u>	11	394,700	0	June 1993	4Q95 4Q95	Project document with detailed workplan and budget are disbursement schedule is complete. After final review in mid-June, document will be signed and implementation will commence.
CPR/SOL/12/INV/57: Sector: Halon Type: DEM	<u>ODS-Free Cleaning Equipment Manufacturing Center for Phasing Out ODS in the Solvents Sector across China.</u>	0	524,734	0	Mar 94	2Q96 2Q96	Approved in March 1994. Workplans and budget disbursement schedule being finalized. Implementation has started by initiating contact with vendors for equipment specification.
CPR/SOL/12/TAS/61: Sector: Solvent Type: DEM	<u>Cleaning Applications Deployment Center for Replication of ODS-Free Processes across China.</u>	0	489,400	0	Mar 94	2Q95 2Q95	Approved in March 1994. Workplan and budget disbursement schedule being finalized. Implementation has started by initiating contact with vendors for equipment specification.
<u>COLOMBIA</u>							
COL/SEV/12/INS/02: Sector: Sev Type: INS	<u>Institutional Strengthening</u>	0	317,790	85,100	Mar 94	2Q97 2Q97	Recently approved. The project document was finalized and has already been signed. The 1994 funds were disbursed according to the budget schedule. Implementation ongoing.
COL/SEV/12/PRP/03: Sector: Sev Type: PRP	<u>Project Preparation Assistance</u>	0	100,000	45,026	Mar 94	2Q95 2Q95	Recently approved. Missions were undertaken by two foams consultants, UNDP's refrigeration consultant and UNDP/MPU staff in March 1994, followed by a visit by a butane-safety consultant needed for formulation of one of the polystyrene projects, and by a second follow-up mission by the same refrigeration consultant in May 1994. As a result two umbrella projects in the domestic refrigeration sector and one in polystyrene foams with a combined budget request of \$10.9 million have been submitted to the 13th ExCom Meeting. A follow-up mission in the commercial refrigeration sector is scheduled for July 1994.

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<u>COSTA RICA</u>							
CSR/FOA/08/TRA/05: Sector: Foam Type: TRA	<u>Seminar/Workshop in the foam sector</u>	0	21,120	10,000	Oct 1992	3Q94 3Q94	Activity is part of UNDP project number COS/92/G63 which was signed in May 94 and is nationally executed. Activities will be implemented from June 1994 onwards tied to project preparation activities. Funds will be disbursed as per budget schedule.
CSR/REF/08/TRA/04: Sector: Ref Type: TRA	<u>Conservation and Training in the Refrigeration Sector</u>	0	88,000	40,000	Oct 1992	3Q94 3Q94	Activity is part of UNDP project number COS/92/G63 which was signed in May 94 and is nationally executed. Activities will be implemented from June 1994 onwards and funds will be disbursed as per budget schedule.
CSR/SEV/08/INS/03: Sector: Sev Type: INS	<u>Institutional Strengthening</u>	0	213,160	125,608	Oct 1992	4Q95 4Q95	Project document signed. Implementation has started. Funds corresponding to the first year's budget requirements have been disbursed and will be spent according to budget schedule.
CSR/SEV/08/TRA/07: Sector: Sev Type: TAS	<u>Ad-hoc consultants for implementation of CP</u>	0	50,000	3,800	Oct 1992	4Q95 4Q95	A consultant visited Costa Rica in Feb. 1994 to evaluate two refrigeration sector projects. However the documents need further review which will take place when UNDP's refrigeration sector expert visits in July 1994. Other missions will be programmed later since this budget is to be expended over a three-year period.
CSR/SOL/08/TRA/06: Sector: Solvent Type: TRA	<u>Seminar/Workshop in the Solvents sector</u>	0	21,120	10,000	Oct 1992	2Q94 3Q94	Activity is part of UNDP project number COS/92/G63 which was signed in May 1994 and is nationally executed. Activities will be implemented from June 1994 onwards and funds will be disbursed as per budget schedule.
<u>CUBA</u>							
CUB/SEV/10/INS/02: Sector: Sev Type: INS	<u>Institutional Strengthening</u>	0	172,000	76,000	June 1993	3Q96 3Q96	The project document has been signed. The government has set up its ozone layer coordinating body. Funds corresponding to the first year's budget have been disbursed and will be expended as per the budget schedule.

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EGYPT							
EGY/FOA/08/INV/06: Sector: Foam Type: INV	<u>Phaseout of CFC-11 in the manufacture of molded, semi-rigid and rigid polyurethane foam at Taki-Vita Factory</u>	50	352,500	460,886	Oct 1992	1Q95 4Q94	Implementation started in March 93. The project will phaseout CFC-11 by switching to an all water blown system in molded foam cushions. Selection of equipment was carried out in consultation with the company in June 93. Funds covering the 40% share owned by the mother-company (\$214,703) have been received by UNDP/OPS. This is why the expenditure figure shown is significantly higher than the budget allocated by the Fund. The equipment is expected to arrive in Egypt in late-July 94. Commissioning is scheduled for 4Q1994.
			US \$352,500 (from Fund)				
			US \$214,703 (from Enterprise)				
			US \$567,203 (available for disbursement)				
EGY/FOA/09/INV/10: Sector: Foam Type: INV	<u>Elimination of CFC-12 in the manufacture of extruded polystyrene foam at Al-Sharif Plastic Factories</u>	75	498,000	13,880	Mar 1993	2Q94 3Q94	The project will replace CFC-12 in polystyrene foams by switching to butane. Production equipment has to be modified, butane tanks have to be installed, safety equipment has to be procured, and building modifications will have to be carried out. Specifications for equipment procurement have been finalized. The company has solicited quotes for local works and has to inform EEAA and UNDP which items can be procured locally. The company is requesting additional information on safety and product quality issues.
EGY/FOA/10/INV/15: Sector: Foam Type: INV	<u>Elimination of CFC-11 in the manufacture of molded flexible polyurethane foam at Modern Building Carpentry Co. (MOBICA)</u>	20	434,000	397,029	June 1993	4Q94 4Q94	Ongoing. The project will replace CFC-11 in the molded flexible process using full water blown technology. Equipment to be procured includes two high-pressure foaming machines and auxiliary equipment. MOBICA has entered into a technical agreement with Woodbridge (Canada) and has agreed to absorb the price difference between a more expensive "Elastogran Machine" and the lowest acceptable bid received. Project implementation is on schedule.
EGY/FOA/10/INV/16: Sector: Foam Type: INV	<u>Elimination of CFC-11 in the manufacture of molded rigid polyurethane foam at Cairo Light Industries Co.(OLYMPIC ELECTRIC)</u>	75	940,000	857,529	June 1993	4Q94 4Q94	Ongoing. The project will replace CFC-11 in rigid foams used for water heaters. Equipment to be procured include four high pressure foam machines and leak detectors. Building modifications are presently being carried out. The equipment procurement contract was issued in June 94. Project on schedule.

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EGY/FOA/11/INV/18: Sector: Foam Type: INV	<u>Conversion to CFC-11 free technology in the manufacture of rigid PUF at Specialized Engineering Contracting Co. (SECC)</u>	15	85,000	75,095	Nov 1993	4Q94 4Q94	Ongoing. This project will replace CFC-11 with HCFC-141b (interim solution) and later switch to full water blown technology for spray foams used for insulation of buildings, pipelines, tanks, etc. Three new spray foam machines will be procured. Specifications were prepared, bids received and evaluated, the order was placed, and the equipment shipped on 10 June 94 to Egypt. Installation in 3Q94. Project is on schedule.
EGY/FOA/11/INV/19: Sector: Foam Type: INV	<u>Conversion to CFC-11 free technology in the manufacture of flexible PUF at Dekheila Chemical Industries Corp.</u>	130	650,000	440,000	Nov 1993	3Q94 3Q94	Ongoing. The project will phase out CFC-11 by switching to an all-water blown system or methylene chloride on the slabstock machine. A problem related to royalties was resolved and final contractual procedures are underway for the RapidCure equipment. The purchase order should be issued shortly. Meanwhile, the Danish Fire Institute was asked to approve the plans for the fire extinguishing system designed by the company, following which local works can proceed.
EGY/FOA/11/INV/21: Sector: Foam Type: INV	<u>Conversion of CFC-11 free technology in the manufacture of flexible PUF at Horse Foam Company</u>	120	385,000	200,000	Nov 1993	4Q94 4Q94	Ongoing. Project would replace CFC-11 on the slabstock machine by putting on a new methylene chloride metering system and improving the ventilation. In the company's molded flexible foam area, the project will phase out CFC-11 by replacing the low-pressure machine by a high-pressure one. Bids for the molding machine were received, evaluated and an order placed in June 94. Meanwhile, the company was requested to provide specifications for the hood and powered conveyor in connection with the safety aspects related to the use of methylene chloride. Project on schedule.
EGY/FOA/12/INV/22: Sector: Foam Type: INV	<u>Conversion to CFC-free Technology in the Manufacture of Flexible Polyurethane Foam.</u>	170	525,000	0	Mar 94	2Q95 2Q95	Newly approved umbrella flexible foam sector project covering two companies. Following an initial visit by UNDP's foams consultant, "FOAM INDUSTRIAL" is presently preparing the specifications for the sprinkler system in the curing area and for the fume hood on the foam machine. Regarding "HYMA", drawings are being prepared by UNDP's foams consultant which will be used to initiate the local subcontract for construction and installation of the fume hood for the foam machine.

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EGY/FOA/12/INV/26: Sector: Foam Type: INV	<u>Conversion to CFC-free Technology in the Manufacture of Rigid Molded and Miscellaneous PUF (Five Enterprises)</u>	44	870,000	0	Mar 94	2Q95 2Q95	Newly approved umbrella rigid foam project covering five companies. Requests were made to all major producers of foams machines to send their catalogues to the five participating Egyptian companies. During the upcoming mission by UNDP's foams consultant in July 94, equipment specifications will be prepared.
EGY/HAL/12/TAS/23: Sector: Halon Type: TAS	<u>Technical Assistance to prepare a National Halons Action Plan and Project Development</u>	0	25,000	0	Mar 94	2Q95 2Q95	Newly approved. A letter was sent to EEAA proposing actions to start implementation of this activity. It is expected that activities will start in July/August 94 when UNDP's halons sector expert visits Egypt.
EGY/REF/12/INV/21: Sector: Ref Type: INV	<u>Conversion to CFC-free Technology in the Commercial Refrigeration Sector (Five Enterprises)</u>	205	2,100,000	0	Mar 94	3Q95 3Q95	Newly approved. Discussions with the companies on safety-related implementation aspects on the use of cyclopentane have delayed project startup. UNDP will send a cyclopentane expert in July/August 1994 to review company concerns and initiate implementation.
EGY/SEV/11/PRP/20: Sector: Sev Type: PRP	<u>Project Preparation Assistance (Re-allocated Funds)</u>	0	75,000	40,209	Nov 1993	4Q94 4Q94	Ongoing. New projects were prepared in Jan 94 in the foams sector as a result of a visit by three consultants. This project is using unspent funds (savings) from other completed UNDP activities in Egypt as requested by the 11th ExCom Meeting. Further visits are scheduled throughout 1994.
<u>GHANA</u>							
GHA/FOA/08/TAS/03: Sector: Foam Type: TAS	<u>Technical assistance for technology transfer for CFC-11 phaseout in flexible foam</u>	0	85,000	20,500	Oct 1992	4Q94 4Q94	Ongoing. UNDP's foams expert visited in Jan94 where on-the-job training and technical advice was provided to four continuous and one single block flexible foam plants. An urgent need was identified in all plants visited for the installation of health/safety equipment. A project formulated to address this issue was approved at the 12th ExCom Meeting. A follow-up expert visit in April 94 was used to start up this new project (see below). Remaining funds under this activity would provide equipment for testing fume levels inside the plants, carry out safety audits, train factory inspectorate staff to evaluate safety in the plant, etc.

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GHA/FOA/12/INV/07: Sector: Foam Type: INV	<u>Umbrella Project for Continuation of CFC-free Technology in the Manufacture of Flexible Polyurethane Foam.</u>	316	345,000	0	Mar 94	3Q95 3Q95	Newly approved. Further to a consultant visit in April 94, drawings are being prepared by UNDP's foam sector expert which will be used to initiate local subcontracts for construction and installation of fume hood for the foams machines. A second visit is being scheduled for August 94.
GHA/REF/08/TAS/04: Sector: Ref Type: TAS	<u>Improved servicing and maintenance within the refrigeration sector</u>	0	328,000	0	Oct 1992	4Q95 4Q95	Ongoing. In a fax dated 27 May 1994, the Government informs UNDP that with the establishment of the National Refrigeration Demonstration Center (NRDC) and the implementation of training activities under phase 1 (training of 30 technicians by UNEP) almost complete, UNDP can now start implementation of phases 2 and 3 under this project. These two phases cover the purchase of 35 additional recovery and recycling machines and the training of 500 additional refrigeration technicians. The details of the proposal will be worked out in June 94 and implementation should start soon after.
GHA/SEV/08/INS/05: Sector: Sev Type: INS	<u>Institutional Strengthening</u>	0	160,000	60,000	Oct 1992	4Q95 4Q95	Ongoing. Scheduled activities are being implemented. Funds corresponding to the first year's expenditures have been disbursed and are being spent as per the budget schedule.
<u>GUATEMALA</u>							
GUA/SEV/11/PRP/05: Sector: Sev Type: PRP	<u>Project Preparation Assistance</u>	0	30,000	5,465	Nov 1993	4Q94 4Q94	Ongoing. Assistance was requested in foams, industrial refrigeration, MAC, and halons for essential uses. UNDP's foams consultant visited Guatemala in April 94 and provided technical assistance to several companies visited. However, none of the plants seem to be eligible for projects that could be funded under Multilateral Fund guidelines. UNDP's refrigeration sector expert is scheduled to visit in July 94.

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INDIA							
IND/FOA/12/INV/16: Sector: Foam Type: INV	<u>CAMPBOR & ALLIED PRODUCTS LTD</u> <u>phase out of the use of CFCs in</u> <u>the manufacture of extruded</u> <u>polyethylene foam sheet.</u>	120	280,000	0	Mar 94	2Q95 2Q95	Approved in March 1994. Following UNDP/MPU Task Manager's visit to India in end-April 1994, UNDP has been informed by the Government that all implementing agencies must utilize the Industrial Development Bank of India (IDBI) as financial intermediary for implementation of all approved Montreal Protocol projects. Negotiations on a draft memorandum of understanding between UNDP and IDBI are ongoing. Project implementation will start as soon as the MOU is finalized.
IND/FOA/12/INV/17: Sector: Foam Type: INV	<u>SUNPRA Ltd phase out of the use</u> <u>of CFCs in the manufacture of</u> <u>rigid PUF panels.</u>	20	414,000	0	Mar 94	3Q95 3Q95	Approved in March 1994. Status same as for Camphor and Allied project above.
IND/FOA/12/INV/18: Sector: Foam Type: INV	<u>EAGLE FLASK INDUSTRIES LTD</u> <u>phase out of the use of CFCs in</u> <u>the manufacture of rigid PUF</u> <u>for thermoware.</u>	20	365,000	0	Mar 94	2Q95 2Q95	Approved in March 1994. Status same as for Camphor and Allied project above.
IND/SEV/08/INS/02: Sector: Sev Type: INS	<u>Institutional Strengthening</u>	0	430,600	166,970	Oct 1992	1Q96 1Q96	The Ozone Cell within the Ministry of Environment and Forests (the national counterpart) has been established. Several staff are working under the direction of the Deputy Secretary (Ozone). The Ozone Cell is supporting both the Technology and Finance Standing Committee as well as India's Montreal Protocol Steering Committee in all project and programme related matters under the Protocol including implementing agency coordination.
IND/SEV/11/TAS/11: Sector: Sev Type: TAS	<u>Survey of ODS use in the</u> <u>small-scale(including tiny) and</u> <u>informal sectors, data base</u> <u>generation and ODS transition</u> <u>management planning</u>	0	120,000	0	Nov 1993	4Q94 4Q94	As of April 1994, survey questionnaires have been prepared, reviewed by UNDP staff and then sent to small scale industries. Interviewers are being recruited and trained to recognize different types of ODS use in small and tiny enterprises and in use of the proper reporting format. The survey should be done by end-1994 and the report available soon thereafter.

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IND/SEV/12/PRP/19: Sector: Sev Type: PRP	<u>Project Preparation Assistance</u>	0	100,000	0	Mar 94	2Q95 2Q95	Approved in March 1994. UNDP's staff visited India during 23-27 April 1994 to discuss with the Government project implementation details of approved projects and new project finalization for the 13th and subsequent ExCom Meetings.
<u>INDONESIA</u>							
IDS/SEV/10/INS/05: Sector: Sev Type: INS	<u>Institutional Strengthening</u>	0	314,780	113,260	June 1993	4Q96 4Q96	Operational. Funds corresponding to the first year's expenditure were disbursed earlier. A detailed operational report is awaited.
IDS/SEV/11/PRP/06: Sector: Sev Type: PRP	<u>Project Preparation Assistance</u>	0	100,000	25,083	Nov 1993	4Q94 4Q94	UNDP's halons sector expert visited Indonesia from 4-8 April 1994 to conduct a halons project preparation workshop as a follow-up to the newly approved Indonesia Country Programme. Meetings were held with the Government, halons users and the fire equipment industry. The aim of the workshop was to help stop new uses of halons within 3 years. Follow-up project preparation visits will take place in the next few months by UNDP's foams, refrigeration, solvents and halons sector experts.
<u>IRAN</u>							
IRA/SEV/08/INS/04: Sector: Sev Type: INS	<u>Institutional strengthening</u>	0	200,200	62,500	Oct 1992	1Q96 1Q96	There was significant delay in project implementation as the Government was setting up its Montreal Protocol internal machinery. The project document was finally signed in March 1994. Funds corresponding to the first year's expenditure have been disbursed.
IRA/SEV/08/PRP/05: Sector: Sev Type: PRP	<u>Project preparation assistance</u>	0	50,000	17,935	Oct 1992	4Q93 4Q94	The original budget for this activity was \$100,000. At the 9th ExCom Meeting, UNDP was requested to transfer \$50,000 (+ support costs) to UNIDO. While UNDP will help prepare foam sector projects, UNIDO will help prepare refrigeration sector projects. Transfer of funds was processed on 7 May 1993. UNDP foam sector project preparation missions scheduled between mid-1993 to March 94 could not proceed due to inability to obtain entry visas for recommended experts. Alternative foam sector experts have been proposed.

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<u>KENYA</u>							
KEN/SEV/09/INS/04: Sector: Sev Type: INS	<u>Institutional strengthening</u>	0	175,000	43,000	Mar 1993	4Q96 4Q96	Ongoing. Project document signed in June 94 after incorporation of a detailed workplan and budget disbursement schedule. Fnds disbursed according to budget schedule.
<u>MALAYSIA</u>							
MAL/ARS/12/TAS/30: Sector: Aerosol Type: TAS	<u>Safety and Technical Programme to aid Manufactures of Aerosol Products.</u>	0	145,700	0	Mar 94	2Q96 2Q96	Approved in March 1994. Project Document finalized and sent to the Government for signature. The Government's proposal for a detailed workplan and budget disbursement schedule is awaited.
MAL/FOA/11/INV/15: Sector: Foam Type: INV	<u>KEY ASSET SDN.BHD elimination of CFC-11 and methyl chloroform in the manufacture of integral skin polyurethane foam</u>	30	690,000	690,000	Nov 1993	4Q94 4Q94	Nearing completion. Procurement activities were finalized in early 1994. Equipment contracts were also awarded at that time and equipment delivery is expected in July 1994. Project commissioning should take place on schedule.
MAL/FOA/11/INV/16: Sector: Foam Type: INV	<u>Elimination of CFC-11 in the manufacture of pre-insulation pipe panel and slabstock PUF at Insafoam Insulation Company</u>	30	310,000	310,000	Nov 1993	3Q94 3Q94	Procurement activities were finalized in early 1994. Equipment delivery expected in end-August 1994. Project commissioning should take place within the specified 3Q1994 target period.
MAL/FOA/11/INV/21: Sector: Foam Type: INV	<u>Elimination of CFC-12 in the manufacture of extruded polystyrene and polyethylene foam sheet at Associated Air-Pack Industries</u>	50	234,000	9,589	Nov 1993	4Q94 4Q94	Project document signed by all parties on 28 April 1994. A UNDP process consultant is currently assisting in the finalization of contracts, procurement, finalization of specifications and review of first batch of bids. Project completion and commissioning expected in 4Q1994.
MAL/FOA/12/INV/22: Sector: Foam Type: INV	<u>Cycle World Sdn Bhd elimination of CFCs in the manufacture of the polyurethane insulated panel.</u>	45	353,000	0	Mar 94	2Q95 2Q95	Approved in March 1994. Project document finalized and sent to Government for signature. Finalization of equipment specifications and elaboration of the procurement process is underway.

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MAL/FOA/12/INV/23: Sector: Foam Type: INV	<u>Pulai Lamipak Industries Sdn Bhd elimination of CFC-12</u>	50	355,000	0	Mar 94	2Q95 2Q95	Approved in March 1994. Project Document finalized and sent to Government for signature. UNDP's process consultant is currently assisting in the finalization of contracts, procurement process and modification and finalization of specifications and review of first batch of bids.
MAL/FOA/12/INV/24: Sector: Foam Type: INV	<u>Elimination of CFC-11 in the manufacture of integral skin, spoiler and moulded flexible foam at P.U. Tech Sdn Bhd</u>	24	198,000	0	Mar 94	2Q95 2Q95	Approved in March 1994. Project document finalized and sent to the Government for signature. In the meantime finalization of specifications and equipment procurement costing now being done.
MAL/FOA/12/INV/25: Sector: Foam Type: INV	<u>P.U. MATE Sdn Bhd elimination of CFCs in the manufacture of Integral Skin Polyurethane Foam</u>	10	113,000	0	Mar 94	2Q95 2Q95	Approved in March 1994. Project document finalized and sent to the Government for signature. In the meantime finalization of specifications and procurement costing now being done.
MAL/FOA/12/INV/26: Sector: Foam Type: INV	<u>PEXAFOAM Sdn Bhd elimination of CFC-11 in the manufacture of flexible polyurethane foam (Slabstock)</u>	120	195,000	0	Mar 94	2Q95 2Q95	Approved in March 1994. Project document finalized and sent to the Government for signature. It is expected that project completion may take place before the targeted 2Q1995 date.
MAL/FOA/12/INV/27: Sector: Foam Type: INV	<u>N.Y.L. Sdn Bhd elimination of CFC-11 in the manufacture of flexible polyurethane foam (slabstock).</u>	55	130,000	0	Mar 94	2Q95 2Q95	Approved in March 1994. Project document finalized and sent to the Government for signature. This will be a retroactive payment. This project is part of a combined investment project by the company which is expected to be completed at the end of the year.
MAL/FOA/12/INV/33: Sector: Foam Type: INV	<u>Phaseout of the use of CFCs in the manufacture of flexible polyurethane foam (slabstock) at small-scale producers.</u>	80	1,045,000	0	Mar 94	3Q95 3Q95	Approved in March 1994. Project document finalized and sent to the Government for signature. In the meantime a preliminary workplan is being prepared and bids are under review for the survey work and installation system components that have to be done locally.
MAL/REF/04/TRA/01: Sector: Ref Type: TRA	<u>Training in MAC sector</u>	0	50,000	0	June 1991	4Q92 4Q94	Schedule of training programme now being discussed between the Government and UNDP. For cost effectiveness, it was agreed that the training will coincide with other technical and policy assessment activities to be held during October 1994.

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MAL/REF/12/INV/29: Sector: Ref Type: INV	<u>Elimination of CFC-11 and CFC-12 in the manufacture of home refrigerators at SHARP-ROXY.</u>	65	962,000	0	Mar 94	2Q96 2Q96	Approved in March 94. Project document finalized and sent to the Government for signature. In the meantime, specifications being finalized for sub-contracting.
MAL/SEV/09/INS/08: Sector: Ref Type: INS	<u>Institutional strengthening</u>	0	322,520	115,920	Mar 1993	3Q96 3Q96	Government requested to submit their detailed workplan to UNDP/Kuala Lumpur in support of the Ozone Office created under this Project.
MAL/SEV/12/PRP/31: Sector: Sev Type: PRP	<u>Project Preparation Assistance</u>	0	100,000	14,736	Mar 94	2Q95 2Q95	Approved in March 1994. Project implementation and preparation mission was undertaken during April/May 1994 for project identification and project implementation of approved solvents and foam projects. The team comprised UNDP sector experts in foams, solvents and refrigeration, consultants, and representatives from UNDP/OPS. UNDP's halons sector expert also went to Malaysia for project identification and preparation.
MAL/SOL/11/INV/18: Sector: Solvent Type: INV	<u>Conversion of metal cleaning processes from TCA(methyl chloroform) solvents to non-ODS organic solvents at Ngai Cheong Metal Industries</u>	23	63,480	63,480	Nov 1993	4Q94 4Q94	The project is operational. A slight delay experienced in procurement of equipment. Company now in the process of identifying two used machines and will submit quotes for review by the sector expert. Completion expected during 4Q1994.
MAL/SOL/11/INV/20: Sector: Solvent Type: INV	<u>Elimination of the use of TCA (ethyl chloroform) in home appliance parts manufacturing at Matsushita Electric Company Port Klang Plant</u>	10	173,280	173,280	Nov 1993	3Q94 3Q94	Partially completed. The major component has been completed for which a Hand-Over Protocol was signed during 2-3 May 1994. The ODS phaseout has taken place. The company has to install exhaust ducts to carry hot air from the machine to the outside. This will be completed on schedule.
MAL/SOL/12/INV/21: Sector: Solvent Type: INV	<u>Elimination of the use of 111 TCA in the automobile bumper cleaning processes at Perusahaan Otomobil Nasional Bhd (PROTON)</u>	19	700,439	0	Mar 94	1Q96 1Q96	Approved in March 1994. Project document finalized and sent to the Government for signature. During UNDP's team visit during 28 April - 2 May 1994, project implementation started. Contract bid evaluation is now taking place.

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MAL/SOL/12/INV/28: Sector: Solvent Type: INV	<u>Elimination of the use of CFC-113 in the Integrated Circuit Lead Frame Cleaning Processes at San Matech Sdn Bhd</u>	5	141,100	0	Mar 94	4Q95 4Q95	Approved in March 1994. Project document finalized and sent to the Government for signature. During the UNDP team visit during 28 April - 2 May 1994, the company informed the team that it requires further testing before implementation can begin.
<u>MAURITIUS</u>							
MAU/ARS/12/INV/03: Sector: Aerosol Type: INV	<u>Compagnie manufacturiere de produits cosmetiques Itée (COMANU)</u>	30	62,150	0	Mar 94	2Q95 2Q95	Newly approved. Only half of the requested funds to implement this project were approved by the 12th ExCom Meeting. The company has to decide how to proceed. The two options are: (a) purchasing part of the equipment needed; or (b) incentive payment after completion of the project by the company itself. A visit to Mauritius by one of UNDP's consultants will take place in July/August 1994 during which this matter will be resolved.
MAU/SEV/12/PRP/04: Sector: Sev Type: PRP	<u>Preparatory Assistance</u>	0	25,000	0	Mar 94	2Q95 2Q95	Newly approved. Visits by UNDP's refrigeration and foams consultants are scheduled for July/August 94.
<u>MEXICO</u>							
MEX/HAL/06/TAS/06: Sector: Halon Type: TAS	<u>Preparatory study on halons inventory and proposals for revisions of existing standards</u>	0	25,000	27,223	Feb 1992	4Q92 3Q94	Ongoing. In its fax dated 12 May 1993, the Instituto Nacional de Ecologia, Direccion General de Normatividad Ambiental, sent a proposal for implementation of this activity. A national consultant is working on this study, and the Govt. informs UNDP that the study should be ready in July 94. It is hoped that UNDP's halons sector expert will visit Mexico in late August 1994 to discuss the study and jointly plan follow-up projects.
MEX/SEV/04/PRP/03: Sector: Sev Type: PRP	<u>Preparation of terms of reference for investment projects identified in the country programme</u>	0	50,000	52,277	June 1991	4Q92 3Q94	Ongoing. The national expert has drafted the first 11 project proposals to be implemented by the World Bank. Another 10 project proposals are currently being drafted by the same national consultant. Finalization of the proposals is presently being accelerated through the assistance of UNDP's refrigeration sector consultant. Projects should be ready for consideration at the 14th and 15th ExCom Meetings.

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MEX/SEV/11/PRP/14: Sector: Sev Type: PRP	<u>Project Preparation Assistance</u>	0	50,000	11,057	Nov 1993	4Q94 4Q94	Ongoing. At Government request, UNDP cooperates closely with USEPA in this activity and has supported USEPA technical visits in the halons, MAC, commercial refrigeration (for end-users) and solvents sectors. Some of the formulated projects will be implemented by UNDP. In addition, UNDP's refrigeration consultant visited Mexico twice and UNDP's foams consultant once under this project.
<u>NIGERIA</u>							
NIR/SEV/09/INS/04: Sector: Sev Type: INS	<u>Institutional strengthening</u>	0	300,000	111,174	Mar 1993	3Q96 3Q96	Project document has been signed. Implementation has started. Funds corresponding to the first year's expenditure have been disbursed.
<u>PANAMA</u>							
PAN/SEV/11/PRP/03: Sector: Sev Type: PRP	<u>Project Preparation Assistance</u>	0	30,000	3,972	Nov 1993	4Q94 4Q94	One of UNDP's foams consultant has visited Panama in April 94, and has provided technical assistance to a variety of plants producing foams. In addition, an umbrella investment project has been prepared resulting from this mission, which is being presented at the 13th Executive Committee Meeting. A mission by UNDP's Refrigeration Consultant is scheduled for July 94.
<u>PHILIPPINES</u>							
PHI/FOA/12/INV/23: Sector: Foam Type: INV	<u>Elimination of the residual use of CFCs in the manufacture of extruded polystyrene foam sheet in the Philippines (three companies)</u>	24	505,000	0	Mar 94	2Q95 2Q95	Approved in March 1994. Project document finalized and given to the Government for signature during UNDP mission to the Philippines from 1- 8 May 1994. Project implementation discussed with the newly reconstituted Ozone Desk of the Department of Environment. Process consultant visited plants and prepared equipment specifications.

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PHI/FOA/12/INV/24: Sector: Foam Type: INV	<u>NIKON INDUSTRIAL CORPORATION phaseout of the use of CFCs in the manufacture of rigid PUF for thermoware.</u>	15	315,000	0	Mar 94	2Q95 2Q95	Approved in March 1994. Project document finalized and given to the Government for signature during UNDP mission from 1-8 May 1994. Project implementation discussed with the newly reconstituted Ozone Desk in the Department of Environment. Process consultant visited the plant for equipment specification. A national consultant is being recruited to implement this project and discussions with Government are ongoing.
PHI/FOA/12/INV/26: Sector: Foam Type: INV	<u>Technical Assistance Programme for the elimination of CFC use at small manufacturers of flexible foam.</u>	35	745,000	0	Mar 94	2Q95 2Q95	Approved in March 1994. Project document finalized and given to the Government for signature during UNDP mission from 1-8 May 1994. Project implementation discussed with the newly reconstituted Ozone Desk of the Department of Environment.
PHI/SEV/11/PRP/22: Sector: Sev Type: PRP	<u>Project preparation assistance</u>	0	50,000	15,000	Nov 1993	4Q94 4Q94	Project preparation visits during Dec93/Jan94 led to preparation and approval at the 12th ExCom Meeting of 3 foam sector projects with a total budget of \$1.565 million. A follow-up visit during 1-8 May 1994 reviewed project implementation and also finalized 4 foam sector projects that have been submitted to the 13th ExCom for approval with a total budget of \$2.175 million. A solvents sector workshop was also conducted at that time. UNDP sector experts in foams and solvents were joined by UNDP/MPU and UNDP/OPS representatives.
PHI/SEV/11/TAS/20: Sector: Others Type: TAS	<u>Survey of ODS usage, data base generation and technical assistance for ODS phase-out for small scale enterprises using ODS</u>	0	100,000	0	Nov. 93	4Q94 4Q94	During the UNDP team visit to the Philippines during 2-8 May 1994, the Government informed UNDP on the reconstitution of the Ozone Desk. There will be a consequent delay in the implementation of this project as the reconstituted Ozone Unit will review the existing project document and workplan.
<u>SRI LANKA</u>							
SRL/SEV/12/INS/02: Sector: Sev Type: INS	<u>Institutional Strengthening</u>	0	154,680	59,040	Mar 94	2Q97 2Q97	Approved in March 1994. Project document signed by the Government on 29 April 1994. Funds corresponding to the first year's expenditure disbursed.

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THAILAND							
THA/FOA/11/INV/20: Sector: Foam Type: INV	<u>Elimination of CFC-114 in the manufacture of extruded polystyrene foam sheet and profiles at Thermaflex Insulation Asia Company</u>	30	220,000	0	Nov 1993	4Q94 4Q94	Slight delay in the commissioning due to non-installation of safety features. Commissioning is scheduled for 4Q94. The project is somewhat ahead of schedule.
THA/FOA/12/INV/25: Sector: Foam Type: INV	<u>Elimination of the use of CFCs in the manufacture of polystyrene foam sheet in Thailand (Phase 1: Two Companies).</u>	100	455,000	0	Mar 94	2Q95 2Q95	Approved in March 1994. Project document finalized and sent to the Government for signature. This will be implemented under the retroactive modality. For Polyseal, the machine has been installed, while for Food Box, equipment procurement is being done. Commissioning to take place in 2Q95 on schedule.
THA/FOA/12/INV/26: Sector: Foam Type: INV	<u>HENGER PANEL Elimination of the use of CFCs in the manufacture of laminated rigid polyurethane foam insulation panels.</u>	15	257,500	0	Mar 94	2Q95 2Q95	Approved in March 1994. Project document finalized and sent to the Government for signature. In the meantime, specification of equipment has been finalized.
THA/FOA/12/INV/27: Sector: Foam Type: INV	<u>MIC-CELL CO Ltd elimination of CFC-12 and CFC-114.</u>	44	339,500	0	Mar 94	2Q95 2Q95	Approved in March 1994. Project document finalized and sent to the Government for signature. Process consultant is currently assisting in the finalization of contracts, procurement, specification of equipment and review of first batch of bids.
THA/FOA/12/INV/29: Sector: Foam Type: INV	<u>MODULAR COMPOUND elimination of the use of CFCs in the manufacture of laminated rigid polyurethane foam insulation panels.</u>	30	508,000	0	Mar 94	2Q95 2Q95	Approved in March 1994. Project document finalized and sent to the Government for signature. In the meantime, specification of equipment is being finalized.
THA/SEV/09/INS/08: Sector: Sev Type: INS	<u>Institutional strengthening of the Ozone Layer Protection Unit</u>	0	400,000	143,000	Mar 1993	2Q96 2Q96	An Ozone Layer Protection Unit was created under this institutional strengthening project. The Unit has recruited professional staff and a technical consultant. A workplan has been developed and is being implemented. Funds amounting to the first year's budget have been disbursed.

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THA/SEV/10/PRP/11: Sector: Sev Type: PRP	<u>Project preparation assistance</u>	0	50,000	30,261	June 1993	2Q94 2Q94	A project preparation and identification mission in December 1993 led to 4 foam sector projects approved at the 12th ExCom Meeting with a total budget of \$1.56 million. A second UNDP expert team visit including UNDP/OPS during 18-27 April 1994 finalized 3 foam projects totalling \$1.86 million that have been submitted for approval to the 13th ExCom Meeting. UNDP's halons sector expert participated in a national workshop for major halons users, and covered issues including halon bank management. UNDP has been requested to develop project proposals in the halons sector.
<u>TRINIDAD AND TOBAGO</u>							
TRT/SEV/04/TRA/01: Sector: Sev Type: TRA	<u>Training of Government technical staff and preliminary work on country programme</u>	0	53,800	37,877	June 1991	4Q92 4Q94	Long delays due to changes in Government and national counterparts. Govt. has finally specified that CARIRI had been selected as the consulting body for CP formulation. Following a visit by a UNDP consultant assisting with CP preparation in May 94, the terms of reference with CARIRI were finalized and are now ready for signature. Implementation is expected through end-1994.
TRT/SEV/06/CPG/03: Sector: Sev Type: CPG	<u>Country programme preparation</u>	0	25,000	19,000	Feb 1992	4Q92 4Q94	Ongoing. Following innumerable delays, activities have finally been initiated following a UNDP consultant visit in May 1994 to attempt to start the CP formulation exercise. Follow-up action is expected in July or August, after sufficient data collection by CARIRI has taken place.
<u>URUGUAY</u>							
URU/REF/12/TAS/04: Sector: Ref Type: INV	<u>Technical Assistance for the conservation of refrigerant and Demonstration Programme - Installation for Recovery and Recycling of CFC-12.</u>	22	175,000	0	Mar 94	2Q96 2Q96	Newly approved. The project document was signed by UNDP and the Government under the national execution modality. A UNDP consultant visit is scheduled for end-June 94 to prepare the 4 workshops that will take place by end-August. The bidding for the purchase the recovery and recycling equipment will take place in July 1994.
URU/SEV/10/INS/03: Sector: Sev Type: INS	<u>Institutional strengthening</u>	0	173,800	53,000	June 1993	3Q96 3Q96	Ongoing. Project document was signed in October 1993 and implementation started immediately. Funds corresponding to first year's expenditures have been disbursed and will be spent according to budget schedule.

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<u>VENEZUELA</u>							
VEN/REF/09/PRP/10: Sector: Ref Type: PRP	<u>Workshops for identification of projects in the refrigeration sector</u>	0	19,800	8,400	Mar 1993	4Q93 3Q94	Ongoing. At Govt. request, UNDP sent its refrigeration training sector expert to conduct a refrigeration workshop on 12 May. The workshop covered alternative refrigerants and technologies for protecting the ozone layer and identification of alternative conversion refrigerants and technologies for the domestic and commercial refrigeration industry. One larger or two smaller workshops are to be held in 1994, but implementation is awaiting the outcome of a consultant visit by the World Bank to develop an overall action plan in this sector. The Govt indicated that it might request UNDP's refrigeration consultant to visit Venezuela during 3Q94.
VEN/REF/09/TAS/12: Sector: Ref Type: DEM	<u>Pilot programme in recovery and recycling of CFC-12 in domestic refrigeration</u>	8	100,000	100,000	Mar 1993	2Q94 4Q94	Ongoing. The programme will be implemented through MADOSA, one of the largest producers of refrigerators in Venezuela. Recovery machines will be purchased and demonstration workshops will be held. The terms of reference were received by UNDP in May, and contractual arrangements were initiated by UNDP/OPS in June 94.
VEN/REF/12/DEM/14: Sector: Ref Type: DEM	<u>Pilot Programme in Recovery and Recycling of CFC-12 in Mobile Airconditioning</u>	0	13,400	6,700	Mar 94	1Q95 1Q95	Newly approved. National consultant was recruited following the TOR prepared by FONDOIN. Activity ongoing.
VEN/SEV/09/INS/08: Sector: Sev Type: INS	<u>Institutional strengthening</u>	0	329,192	111,227	Oct 1992	2Q96 2Q96	Ongoing. The project document was signed in June 1993. Implementation is ongoing. Funds corresponding to the first year's expenditures have been disbursed.
VEN/SEV/11/CPG/17: Sector: Sev Type: CPG	<u>Finalization of the Venezuela Country Program</u>	0	12,000	0	Nov 93	4Q94 4Q94	Ongoing. Activity includes recruitment of national consultant for four months and translation services to enable Venezuela to finalize its Country Programme. Work includes finalization of three remaining sectoral reports, compilation of basic elements of the eight sectoral reports into the CP, finalization of the phaseout strategy and the list of projects and translation of documents into English.

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VIETNAM

VIE/SEV/12/PRP/01: Sector: Sev Type: PRP	<u>Project Preparation Assistance.</u>	0	100,000	4,000	Mar 94	2Q95 2Q95	Newly approved. UNDP's foams consultant visited Vietnam in April/May 94 and held in-depth discussions with Government counterpart institutions and industries about future activities in Vietnam in the foams and other sectors. Follow-up visits are scheduled in end-July/August by two foams consultants and one halons consultant to start project identification. Since this exercise is of direct interest to UNEP which is lead agency for CP preparation, UNDP is coordinating closely with UNEP. We have also kept UNIDO informed in view of their interest in refrigeration sector ODS phaseout programmes in Vietnam.
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REGIONAL

ASP/REF/06/TRA/03: Sector: Ref Type: TRA	<u>One of three MAC recycling training / demonstration programmes (Asia)</u>	0	45,000	0	Feb 1992	4Q92 4Q94	Deferred. Awaiting further guidance from the Executive Committee on what is fundable in this sector so materials can be prepared and the workshop designed accordingly.
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GLO/REF/06/TRA/03: Sector: Ref Type: TRA	<u>One of three MAC recycling training / demonstration programmes (Middle East)</u>	0	45,000	0	Feb 1992	4Q92 4Q94	Deferred. Same reason as for the Asia regional MAC workshop.
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LAC/REF/06/TRA/04: Sector: Ref Type: TRA	<u>One of three MAC CFC-recycling programmes (Latin America)</u>	0	45,000	0	Feb 1992	4Q92 4Q94	Deferred. Same reason as for the Asia MAC regional workshop.
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GLOBAL

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GLO/ARS/06/TAS/05: Sector: Aerosol Type: TAS	<u>Technical assistance in aerosols</u>	0	60,000	44,212	Feb 1992	4Q92 4Q94	Ongoing. Activities planned in this sector for second half 1994 would require the assistance of a sector expert in Asia and Latin America. Activity completion expected in 4Q94.
GLO/HAL/08/TAS/23: Sector: Halon Type: TAS	<u>Global Halons Project</u>	0	345,133	41,765	Oct 1992	4Q94 4Q94	Ongoing. Several activities undertaken to date in 1994 under the technical guidance of UNDP's halons sector expert. A USEPA visit supported by UNDP outlined a halon-1211 phaseout strategy for China and developed a more complete reporting of data on machines deployed to China. In Ecuador, UNDP supported USEPA's training programme in halon-1211 recovery/recycling machines during 8-14 May 1994. In May 1994, a USEPA representative went to Panama (UNDP supported) to implement a fire extinguisher exchange programme (FEEP) with a follow-up trip scheduled for 12-16 June 1994. Future planned activities scheduled in Argentina, Chile, Uruguay, Venezuela, Fiji, Malaysia, Philippines, and Thailand.
GLO/REF/06/TAS/06: Sector: Ref Type: TAS	<u>Technical assistance in MAC</u>	0	50,000	13,623	Feb 1992	4Q92 4Q94	UNDP has delayed recruitment of its MAC sector expert pending clarification of Executive Committee guidelines on what can be funded. In the interim, UNDP's other sector experts (Norris, Kelly) who have had prior exposure in this area are assisting UNDP as needed.
GLO/REF/06/TAS/07: Sector: Ref Type: TAS	<u>Technical assistance in refrigeration</u>	0	90,000	66,000	Feb 1992	4Q92 2Q94	Due to increased activities in the refrigeration sector, particularly in Latin America, the services of the refrigeration sector expert, Stuart Kelly, have been extended. He has since assisted the Governments of Colombia, Mexico, and Peru on project identification, preparation and formulation and in Egypt for project implementation of the refrigeration component of some foam projects.
GLO/REF/08/TAS/24: Sector: Ref Type: TAS	<u>Global MAC project</u>	0	318,584	82,340	Oct 1992	4Q94 4Q94	This project is being implemented in coordination with USEPA. A completed project in China cost \$33,766. A second project, jointly with USEPA and FONDOIN, is a Pilot Demonstration Project for Mobile Air Conditioning in Venezuela. The project includes the procurement of 20 recycling machines with accessories and spare parts, leak detectors, and workshops (26-27 May 1994) at which observers from Brazil, Ecuador and Colombia participated. Information dissemination and lessons learned through this effort may support future programme development in Venezuela and other countries.

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GLO/SEV/06/TRA/11: Sector: Sev Type: TAS	<u>Three national policy workshops</u>	0	45,000	27,240	Feb 1992	4Q92 3Q94	Two national policy workshops have been funded. The first was in India in late-March 1993 with the participation of the World Bank and attended by 70 participants. The second was in Peru during 12-14 April 1994 attended by UNDP sector experts in foams, aerosols and refrigeration that has helped generate requests for project preparation assistance.
GLO/SEV/06/TRA/12: Sector: Sev Type: TRA	<u>Two study-tours for officials and industry representatives</u>	0	50,000	0	Feb 1992	4Q92 3Q94	Technical assessment/evaluation visits at the request of the Governments of Malaysia and India are being arranged during 3Q1994.
GLO/SEV/06/TRA/13: Sector: Sev Type: TRA	<u>Participation at workshops and key meetings</u>	0	140,000	131,737	Feb 1992	4Q92 4Q94	Ongoing. Remaining funds already budgeted for a few developing country representatives to attend the 1994 International Conference on CFCs and Halons Alternatives, October 1994, in Washington D.C.
GLO/SEV/12/TAS/63: Sector: Sev Type: TAS	<u>Safety, pre-assessment and post-assessment of foam and solvent sector projects implemented by UNDP.</u>	0	25,000	0	Mar 94	2Q95 2Q95	Approved in March 1994. Procurement of equipment in process.

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