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

Fifteenth Meeting
Montreal, 13-16 December 1994

CONSOLIDATED PROGRESS REPORT (as at October 1994)

INTRODUCTION

This Consolidated Progress Report presents an update of Fund-supported activities as at the end of October 1994. This Report incorporates inputs from the implementing agencies.

The Report is divided in two sections:

- Section I: Overview on status of implementation of the projects and other activities approved; and
- Section II: Consists of the following two parts:
- Part I: Information on implementation of projects and activities by agency; and
 - Part II: Status of bilateral activities.

Individual reports indicating the progress made in the implementation of the activities of each implementing agency (as submitted by the agencies) are provided separately in documents UNEP/OzL.Pro/ExCom/15/8, 15/9, 15/10, and 15/11, along with comments of the Fund Secretariat where applicable.

SECTION I: OVERVIEW

1. Since the establishment of the Fund, the Executive Committee has approved over 630 activities in 74 Article 5 countries. By region, 297 activities were approved in Asia and the Pacific, followed by Latin America and the Caribbean (138 activities), Africa (121 activities), and Europe (13 activities). Additionally, 69 global activities were approved. The regional distribution of the estimated amount of ODS to be phased-out and funds disbursed are presented in Figure 1.

2. More than US \$195.4 million has been allocated to the four agencies for the implementation of these activities. Also, US \$7.17 million has been provided by six Parties not operating under Article 5 of the Montreal Protocol as bilateral assistance, namely Australia, Canada, France, Germany, Singapore, South Africa and the United States.

3. The World Bank is the implementing agency for 195 projects amounting to 53.5 per cent of the disbursed funds, and UNDP is implementing 232 projects amounting to 27.2 per cent of the funds disbursed.

4. The largest allocation of funds corresponds to projects under the refrigeration (US \$73.7 million) and foam (US \$48.8 million) sectors. The "several" sector category (US \$37.6 million) indicates projects which cover more than one sector, e.g., country programme preparation, preparation of investment projects, etc. The distribution of project allocations is presented in the Table below:

**Project Allocations by Implementing Agency, Party and Sector
(in thousand US\$)**

Sector	IBRD	UNDP	UNEP	UNIDO	Bilateral	Total
Aerosol	9,180	384	130		6	9,700
Closure	838					838
Foam	20,744	25,861		2,110	91	48,806
Fumigant		87				87
Halon	720	2,046	280		2,458	5,504
Multi-sec.	5,386					5,386
Other	4,720					4,720
Production	1,885					1,885
Refrig.	40,659	13,061	857	17,187	1,977.7	73,741.70
Solvent	8,374	4,111		684	1,258	14,427
Several	15,913	9,482	9,768	1,034	1,380	37,577
Total	108,419	55,032	11,035	21,015	7,171	202,671

Country programmes

5. The Executive Committee has disbursed more than US \$4.83 million for the preparation of the country programmes of 74 Article 5 Parties. So far, the Committee has approved 42 country programmes and additional country programmes, i.e., of Barbados, Mozambique, Niger and Swaziland are being submitted for consideration at the Fifteenth Meeting of the Executive Committee.

6. Total consumption of controlled substances covered by the approved country programmes amounts to almost 135,450 ODP tonnes which is over 90 percent of the total consumption of ODS in developing countries.

Institutional strengthening

7. Funds amounting to US \$9.20 million have been provided to 46 Article 5 countries for institutional strengthening to facilitate the implementation of country action plans for the phase-out of controlled substances. All of the ozone units that have been so far supported by the Multilateral Fund are already operational or at the final stages to become operational, where funds were made available to them by the implementing agencies.

Investment projects

8. Preparation of ODS phase-out investment projects has been completed in 19 Article 5 countries, which has resulted in submission and approval of 187 investment projects. Ten investment projects in the foam sector (4 in Egypt, 2 in Malaysia, 3 in Philippines and 1 in Venezuela), 2 projects in the refrigeration sector (Turkey), and 3 projects in the solvent sector (1 in Malaysia and 2 in Thailand), implemented through UNDP (7 projects) and through the World Bank (8 projects), have become operational. In total, 1,037 tonnes ODP of the controlled substances have been phased-out. Implementation of the other 172 approved investment projects will lead to the elimination of additional 38,670 ODP tonnes of controlled substances.

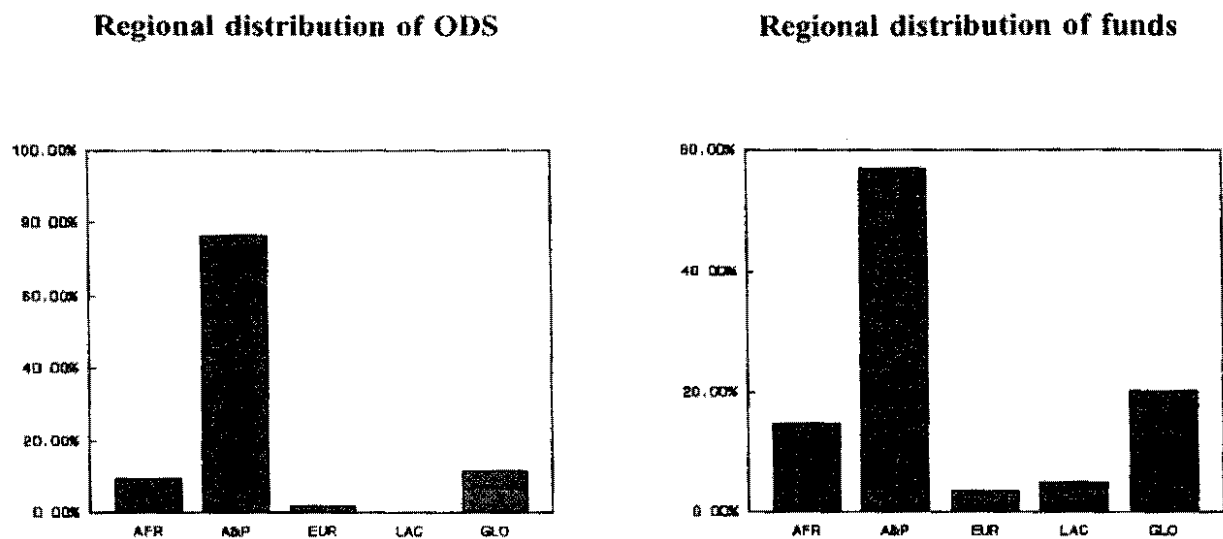
9. The distribution of the phase-out of controlled substances (in ODP) by sector is shown in Figure 2.

Training programmes and technical assistance activities

10. The Executive Committee has approved 79 training programmes at the national, regional and global levels, at a cost over US \$7.05 million. So far, 17 national training programmes in 12 Article 5 countries, 13 regional workshops and 9 global training activities have been completed.

11. Of a total of 109 technical assistance programmes approved, 16 have been implemented in 9 Article 5 countries and 21 at the global level. Four out of ten demonstration programmes have been completed in the refrigeration and halon sectors.

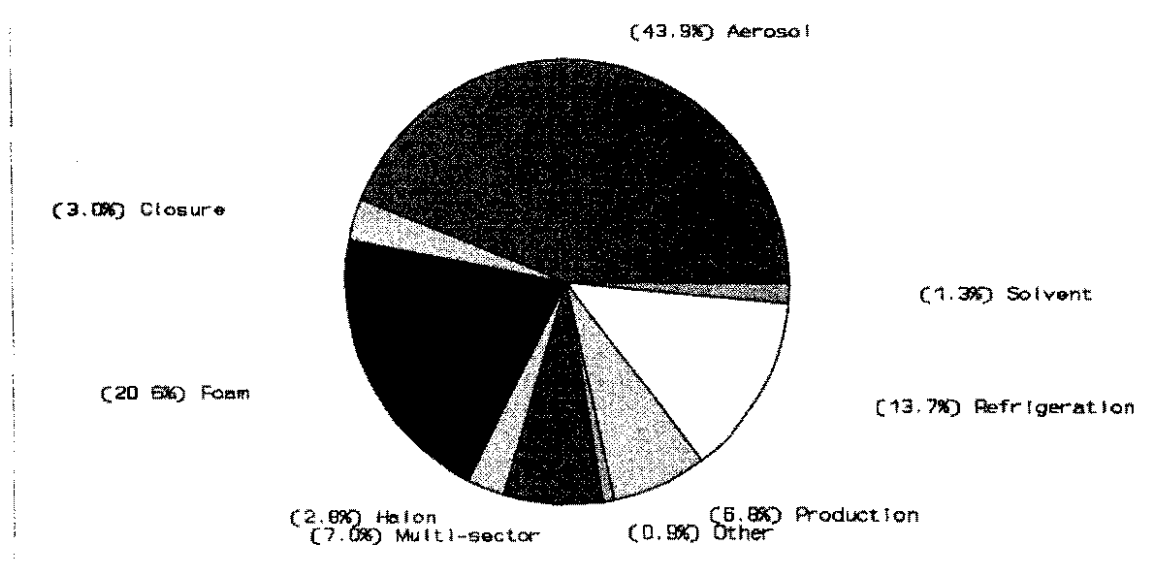
Figure 1



AFR: Africa A&P: Asia and the Pacific EUR: Europe LAC: Latin America and the Caribbean GLO: Global

Figure 2

Per cent of ODS to be phased out by sector



SECTION II

Part I: Information on implementation of projects and activities by agency; and

Part II: Status of bilateral activities.

STATUS OF ONGOING ACTIVITIES UNDER UNDP'S WORK PROGRAMME UNDER THE MONTREAL PROTOCOL
(as of 28 October 94)

Page: 1

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)
ARGENTINA							
ARG/FOA/14/INV/13: Sector: Foam Type: INV	<u>Convert to non-CFC technology in the manufacture of flexible and integral skin PUF at PRENSIPLAST</u>	30	345,000	0	Sept. 94	4Q95 4Q95	Ongoing. Project will be initiated during next visit by UNDP's Foam sector expert, scheduled for mid-November 94.
ARG/HAL/13/TAS/07: Sector: Halon Type: TAS	<u>Technical assistance to prepare a national halons programme</u>	0	50,000	5,430	July 94	2Q95 2Q95	Ongoing. Visit in August 1994 by UNDP's halon sector expert to provide guidance on a halon use questionnaire and establish the terms of reference for a local company to carry out this survey. Approval of TOR by Govt. is awaited.
ARG/SEV/04/TAS/01: Sector: Sev Type: TAS	<u>Technical assistance for CP preparation</u>	0	25,000	25,000	June 91	4Q92 4Q94	Ongoing. Following meetings in May 1994 with the Govt., technical assistance visits were undertaken by UNDP's halons and foams sector experts in August and September 1994. Completion of project activities in December 1994.
ARG/SEV/13/INS/11: Sector: Sev Type: INS	<u>Institutional Strengthening</u>	0	359,500	0	July 94	4Q97 4Q97	Ongoing. Project initially approved for World Bank implementation in July 1994. Project transferred from World Bank to UNDP with Govt. approval at 14th ExCom in late-Sept 1994. Signature of project document expected in November 94 with implementation starting soon thereafter.
ARG/SEV/14/PRP/12: Sector: Sev Type: PRP	<u>Project Preparation Assistance</u>	0	70,000	14,227	Sept. 94	3Q95 3Q95	Ongoing. At Govt. request, foam sector visits were organized for seven rigid and flexible PUF plants. One project (CINTER) is being presented at the 15th ExCom Meeting, and other proposals will be ready for the 16th ExCom meeting. A local subcontract is being established with INTI to assist in further project preparation.
BANGLADESH							
BGD/SEV/14/INS/04: Sector: Sev Type: INS	<u>Institutional Strengthening</u>	0	150,000	0	Sept. 94	4Q97 4Q97	Ongoing. Detailed workplan and project document being prepared for approval and signature.

STATUS OF ONGOING ACTIVITIES UNDER UNDP'S WORK PROGRAMME UNDER THE MONTREAL PROTOCOL
(as of 28 October 94)

Page: 2

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BGD/SEV/14/PRP/03: Sector: Sev Type: PRP	<u>Project Preparation Assistance</u>	0	35,000	0	Sept. 94	4Q95 4Q95	Ongoing. Visits to formulate projects in the aerosols and refrigeration sectors being planned for December 94/early 1995.
<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	Ongoing. Locally available technology will be used to implement this project, and an agreement with the recipient company has been formulated to allow them to carry out most of the work themselves. Once this procedural agreement is signed, the project will be implemented as planned.
BRA/SEV/10/INS/09: Sector: Sev Type: INS	<u>Institutional Strengthening</u>	0	403,100	125,222	June 93	3Q96 3Q96	Ongoing. The ozone unit is operational and staff have been recruited. The UNDP visit in November 1994 will discuss programming and other activities.
BRA/SEV/11/PRP/10: Sector: Sev Type: PRP	<u>Project Preparation Assistance</u>	0	100,000	34,725	Nov. 93	4Q94 3Q95	Ongoing. Visits by UNDP foams, solvents and refrigeration sectors were undertaken, but uncertainty exists as to the role of each implementing agency in Brazil. A joint visit by UNDP/UNIDO/World Bank staff in November 1994 to Brazil for discussions with the ozone secretariat should facilitate project preparation activities. A request was received to use part of these funds for a local subcontract which will also be discussed in November 94.
<u>CHINA</u>							
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. 92	4Q92 2Q95	Ongoing. Delay in activity completion. Review of remaining project activity will be discussed during Tripartite Meeting between MPU/UNDP, UNDP/Beijing and Govt. in early 1995.

STATUS OF ONGOING ACTIVITIES UNDER UNDP'S WORK PROGRAMME UNDER THE MONTREAL PROTOCOL
(as of 28 October 94)

Page: 3

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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. 92	4Q92 4Q94	Ongoing. Additional technical assistance will be provided in 4Q94 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	50,000	June 92	4Q95 4Q95	Ongoing. Project activities have started and include preparations for instrument procurement, data base establishment, routine performance tests, reporting and information dissemination.
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	884,250	June 93	3Q94 1Q95	Ongoing. The Envirocure system has been installed. Formulation trials started and difficulties were encountered. Trials will resume in December under the supervision of the UNDP sector expert. Local works on the Martin Sweet Line have started. Commissioning rescheduled for March 1995.
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	40,000	June 93	3Q94 1Q95	Ongoing. Revised project document is with the Government for signature. Two technology evaluation visits to the USA were conducted in October 1994 to review available CFC-free technologies and discuss potential technical agreements.
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. 93	4Q94 2Q95	Ongoing. Delays experienced. Government has just confirmed OPS as executing agent. Project document is with NEPA for signature. Equipment specifications being finalized with enterprise/Line Ministry.
CPR/FOA/13/INV/67: Sector: Foam Type: INV	<u>YANGFENG conversion to non-CFC technology in the manufacture of flexible and integral skin polyurethane foams</u>	68	670,000	0	July 94	4Q95 4Q95	Ongoing. Work Plan finalized by UNDP foam expert during visit in Sept. 94. Project Document is with NEPA awaiting signature following which implementation starts.
CPR/FOA/13/INV/73: Sector: Foam Type: INV	<u>Elimination of CFC-12 in the manufacture of XPE foam sheets at Danshui Huaya Plastics Industries Co. Ltd.</u>	160	241,000	0	July 94	4Q95 4Q95	Ongoing. UNDP's foam sector expert conducted a technical inspection in September 94. Some minor jobs need to be finalized and a safety audit conducted before a certificate of completion can be issued. This project is implemented under the retroactive modality.

STATUS OF ONGOING ACTIVITIES UNDER UNDP'S WORK PROGRAMME UNDER THE MONTREAL PROTOCOL
(as of 28 October 94)

Page: 4

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CPR/FOA/13/INV/74: Sector: Foam Type: INV	<u>Elimination of CFC-11 in the manufacture of rigid PUF products at Tianjin polyurethane plastic plant</u>	100	690,000	0	July 94	4Q95 4Q95	Ongoing. UNDP foam sector expert revising the Work Plan. Project document awaiting signature. Implementation follows.
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	Ongoing. Awaiting detailed work plan and budget from project authorities including Ministry of Chemical Industry and Ministry of Agriculture.
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 93	3Q96 3Q96	Ongoing. UNDP's halon sector expert revised work plan and budget. Awaiting approval of Govt. for subcontracting components for project implementation.
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	June 93	4Q96 4Q96	Ongoing. NEPA and Ministry of Public Security have prepared a budget revision and have proposed OPS execution of the international procurement component. This has been accepted and project implementation is underway.
CPR/HAL/12/INV/58: Sector: Halon Type: DEM	<u>Acquisition of local air compressors for H-1211 recovery/recycling machines</u>	0	155,000	116,552	Mar. 94	2Q95 2Q95	Ongoing. Major part of equipment purchase completed. Other elements being finalized.
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. 93	1Q94 4Q94	Ongoing. Following UNDP approval, CFC substitutes were imported for testing in 1993 and test reports are being prepared. The project authorities will be reimbursed, following approval of retroactive reimbursement by UNDP.
CPR/REF/10/TAS/38: Sector: Ref Type: TAS	<u>Revision of design standards for cold storage</u>	0	200,000	0	June 93	3Q95 3Q95	Ongoing. Project delayed due to change in key national counterpart project personnel. Updated work plan and detailed list of equipment with specifications still being finalised. Investigation of experimental options is being conducted by the national counterpart pending document finalization.

STATUS OF ONGOING ACTIVITIES UNDER UNDP'S WORK PROGRAMME UNDER THE MONTREAL PROTOCOL
(as of 28 October 94)

Page: 5

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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. 93	1Q95 1Q95	Ongoing. Project Document has been signed. NEPA and line ministries are preparing service contracts and detailed TOR/Survey outline.
CPR/SEV/06/INS/11: Sector: Sev Type: INS	<u>Institutional Strengthening</u>	0	450,000	180,000	Mar. 93	2Q96 2Q96	Ongoing. The restructuring within NEPA is now completed. The Project Management Office has been strengthened, with 17 staff, 9 of them full-time. Internal working procedures have been defined. UNDP, under its project support costs for the project, provided one month in-service training on project implementation to 2 NEPA project management staff from 22 September to 26 October 1994 in New York which was conducted primarily by OPS.
CPR/SEV/06/TAS/10: Sector: Ref Type: TAS	<u>Establishment of a quality control testing plant for using CFC-12 substitute technology in refrigeration</u>	0	70,000	0	Feb. 92	4Q92 2Q95	Ongoing. Sector expert's visit delayed to 1Q95.
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. 93	1Q94 1Q95	Ongoing. Survey questionnaires are now being received back from small-scale plants. Process exceedingly slow. Data compilation and analysis expected to start in 1Q95 only.
CPR/SEV/11/PRP/51: Sector: Sev Type: PRP	<u>Project preparation assistance</u>	0	100,000	100,000	Nov. 93	4Q94 4Q94	Ongoing. Following visits by UNDP foam sector consultants, 20 projects amounting to \$21 million have been submitted to the 15th ExCom for approval. They comprise projects in rigid PUF in domestic refrigeration, 4 in automotive foam and 13 in extruded XPE/XPS foam.
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. 93	1Q95 1Q95	Ongoing. Project document has been signed. Project implementation has started based on the detailed work plan prepared.

STATUS OF ONGOING ACTIVITIES UNDER UNDP'S WORK PROGRAMME UNDER THE MONTREAL PROTOCOL
(as of 28 October 94)

Page: 6

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CPR/SOL/07/DEM/20: Sector: Solvent Type: INV	<u>Dalian precision parts cleaning line demonstration project</u>	86	495,000	45,000	June 92	4Q94 2Q95	Ongoing. NEPA has signed the Letter of Agreement with OPS for international procurement. Bidding process started. Project implementation delayed due to factory management request for information on alternative technologies before proceeding since the requested study tour was not approved.
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 92	4Q94 2Q95	Ongoing. NEPA'S procurement agent and the Dandong Factory reissued new request for bids. UNDP sector expert examining new bids. Implementation delayed due to factory management request for information on alternative technologies before proceeding since the requested study tour was not approved.
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 93	4Q95 4Q95	Ongoing. Revised project document, work plan, and budget have been reviewed and approved by the sector expert. Project document awaiting signature. Implementation to start in 1Q95.
CPR/SOL/10/INV/36: Sector: Solvent Type: INV	<u>Elimination of CFCs in cleaning operations at the Chengdu Radio Instrument Factory (demon. project)</u>	11	394,700	0	June 93	4Q95 4Q95	Ongoing. Project document, work plan and budget have been reviewed and approved and was signed by NEPA on 25 October. Project will start implementation immediately..
CPR/SOL/12/INV/57: Sector: Solvent 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	Frozen. Awaiting Executive Committee approval of China's solvents sector strategy.
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	Frozen. Awaiting Executive Committee approval of China's solvents sector strategy.

STATUS OF ONGOING ACTIVITIES UNDER UNDP'S WORK PROGRAMME UNDER THE MONTREAL PROTOCOL
(as of 28 October 94)

Page: 7

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<u>COLOMBIA</u>							
COL/FOA/13/INV/05: Sector: Foam Type: INV	<u>Elimination of the use of ODS in the polystyrene foams sector (2 companies)</u>	320	1,072,000	0	July 94	4Q95 4Q95	Ongoing. Discussions between OPS, a Polystyrene Expert, AND1 and the two companies are in process to determine implementation modalities. OPS staff visited Colombia in August 1994 to start implementation.
COL/REF/13/INV/04: Sector: Ref Type: INV	<u>Eliminate CFCs in manufacture of domestic refrigerators at 5 companies (Andinos, Corelsa, Haceb, Icasa and Polarix)</u>	226	4,808,900	0	July 94	4Q95 4Q95	Ongoing. Implementation visit took place in August 1994 and the companies are now faxing the specifications for equipment to UNDP. Once finalized, bidding for procurement will start. Project is on schedule.
COL/SEV/12/INS/02: Sector: Sev Type: INS	<u>Institutional Strengthening</u>	0	317,790	85,100	Mar. 94	2Q97 2Q97	Ongoing. Ozone unit established and local staff have been recruited. 1994 funds were disbursed according to budget schedule.
COL/SEV/12/PRP/03: Sector: Sev Type: PRP	<u>Project Preparation Assistance</u>	0	100,000	81,551	Mar. 94	2Q95 2Q95	Ongoing. Following a visit by the UNDP foam sector expert and two visits by UNDP's refrigeration sector expert, project proposals in the commercial refrigeration sector amounting \$1.6 million have been submitted for approval at the 15th ExCom meeting. UNDP's halons expert will visit in Nov/Dec following Govt. approval.
<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. 92	3Q94 1Q95	Ongoing. Project document signed in May 94 and is nationally executed. Activities are being implemented tied to project preparation activities. Funds 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. 92	3Q94 1Q95	Ongoing. Project implementation underway and detailed report is awaited from national counterpart.

STATUS OF ONGOING ACTIVITIES UNDER UNDP'S WORK PROGRAMME UNDER THE MONTREAL PROTOCOL
(as of 28 October 94)

Page: 8

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CSR/SEV/08/INS/03: Sector: Sev Type: INS	<u>Institutional Strengthening</u>	0	213,160	125,608	Oct. 92	4Q95 4Q95	Ongoing. The Ozone Office stated that a seminar was recently held under this project. Some changes in Ozone Unit personnel will be made.
CSR/SEV/08/TRA/07: Sector: Sev Type: TAS	<u>Ad-hoc consultants for implementation of CP</u>	0	50,000	9,642	Oct. 92	4Q95 4Q95	Ongoing. Work on two project proposals, one in refrigeration manufacturing and another in recovery/recycling of refrigerant are in process. The two consultants are currently obtaining all information necessary for project finalization.
CSR/SOL/08/TRA/06: Sector: Solvent Type: TRA	<u>Seminar/Workshop in the solvents sector</u>	0	21,120	10,000	Oct. 92	2Q94 1Q95	Ongoing. Activity proceeding slowly. UNDP will discuss methods to accelerate implementation.
CUBA							
CUB/REF/13/DEM/03: Sector: Ref Type: TAS	<u>Development of an ODS phaseout strategy in the refrigeration sector</u>	0	30,000	6,273	July 94	4Q95 4Q95	Ongoing. Visits by MLF and UNDP staff as well as a consultant in recovery/recycling during October 94 to review strategy in the refrigeration sector and formulate a draft proposal in refrigerant recovery/recycling, which is being submitted for approval at the 15th ExCom meeting.
CUB/SEV/10/INS/02: Sector: Sev Type: INS	<u>Institutional Strengthening</u>	0	172,000	76,000	June 93	3Q96 3Q96	Ongoing. The Ozone Office have been set up. Staff have been recruited.
EGYPT							
EGY/FOA/08/INV/06: Sector: Foam Type: INV	<u>Phaseout of CFC-11 in the manufacture of molded, semi- rigid & rigid PUF at Taki-Vita Factory</u>	50	352,500	352,500	Oct. 92	1Q95 1Q95	Ongoing. Equipment has been delivered. Installation, trials and training expected to be completed by end-1994. Project commissioning now targetted for early 1995. An additional sum of \$214,703 corresponding to the 40% foreign ownership share was received by UNDP so that the equipment could be procured.

STATUS OF ONGOING ACTIVITIES UNDER UNDP'S WORK PROGRAMME UNDER THE MONTREAL PROTOCOL
(as of 28 October 94)

Page: 9

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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. 93	2094 3094	Ongoing. List of items to be procured locally and quality standard of company's products still not submitted by company.
EGY/FOA/10/INV/15: Sector: Foam Type: INV	<u>Elimination of CFC-11 in the manufacture of molded flexible PUF at Modern Building Carpentry Co. (MOBICA)</u>	20	434,000	397,029	June 93	4094 2095	Ongoing. The company is now contemplating a Canon machine instead. While the funds are already obligated, procurement schedule now depends on company's decision on final equipment choice.
EGY/FOA/10/INV/16: Sector: Foam Type: INV	<u>Elimination of CFC-11 in the manufacture of molded rigid PUF at Cairo Light Industries Co. (OLYMPIC ELECTRIC)</u>	75	940,000	857,529	June 93	4094 1095	Ongoing. Equipment delivery expected end-1994. Local site preparation works being carried out. Completion expected in early 1995.
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. 93	3094 1095	Ongoing. Contract for Rapidcure system finalized and local works started. Completion now targeted for early 1995.
EGY/FOA/11/INV/21: Sector: Foam Type: INV	<u>Conversion of CFC-11 free technology in manufacture of flexible PUF at Horse Foam Co.</u>	120	385,000	200,000	Nov. 93	4094 2095	Ongoing. Delivery of the high pressure molding machine expected end-1994. Contract for local works on the ventilation system being finalized. Project completion expected in 2Q1995.
EGY/FOA/12/INV/22: Sector: Foam Type: INV	<u>Conversion to CFC-free technology in the manufacture of flexible PUF in 2 companies</u>	170	525,000	0	Mar. 94	2095 2095	Ongoing. Covers two companies. Contract for local works on the exhaust and ventilation systems being finalized.
EGY/FOA/12/INV/26: Sector: Foam Type: INV	<u>Conversion to CFC-free technology in manufacture of rigid molded and miscellaneous PUF (5 plants)</u>	44	870,000	0	Mar. 94	2095 2095	Ongoing. A UNDP project preparation/implementation visit in September 1994 held extensive discussion with companies. Equipment specifications now finalized and bidding/contracting process now underway.

STATUS OF ONGOING ACTIVITIES UNDER UNDP'S WORK PROGRAMME UNDER THE MONTREAL PROTOCOL
(as of 28 October 94)

Page: 10

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/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	Ongoing. UNDP's Halons sector expert visited Cairo in September 1994 and discussed workplan with EEAA; further discussions with EEAA took place during the 1994 International CFC & Halons Alternatives Conference in October. A halon workshop with several key users is planned for January 1995.
EGY/REF/12/INV/21: Sector: Ref Type: INV	<u>Conversion to CFC-free technology in the commercial refrigeration (5 enterprises)</u>	225	2,100,000	0	Mar. 94	3Q95 3Q95	Ongoing. A cyclopentane expert participated in a UNDP project preparation/implementation visit in early September. Safety issues were clarified and equipment specifications finalized. Bidding and contracting process now underway.
<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	52,723	Oct. 92	4Q94 2Q95	Ongoing. A UNDP foams sector consultant made several visits in 1994 during which on-the-job training and technical advice was provided to four continuous and one single block foam plants. Testing equipment to measure fume levels and to carry out safety audits was purchased. Factory inspection staff undertook a technology transfer evaluation visit to the USA in October 1994.
GHA/FOA/12/INV/07: Sector: Foam Type: INV	<u>Umbrella project for continuation of CFC-free technology in the manufacture of flexible PUF</u>	316	345,000	0	Mar. 94	3Q95 3Q95	Ongoing. Specifications and drawings for the ventilation shafts and equipment are to be finalized by the four companies involved. Several reminders were sent by OPS to the companies. As soon as received, procurement action will be taken.
GHA/REF/08/TAS/04: Sector: Ref Type: TAS	<u>Improved servicing and maintenance within the refrigeration sector</u>	0	328,000	112,000	Oct. 92	4Q95 4Q95	Ongoing. Procurement action taken for additional refrigerant recovery/recycling machines. National demonstration workshop activities are planned for the coming months as per project document schedule.
GHA/SEV/08/INS/05: Sector: Sev Type: INS	<u>Institutional Strengthening</u>	0	160,000	60,000	Oct. 92	4Q95 4Q95	Ongoing. An ozone unit has been created and national staff appointed. They are now directing and supervising implementation of the Ghana Country Programme.

STATUS OF ONGOING ACTIVITIES UNDER UNDP'S WORK PROGRAMME UNDER THE MONTREAL PROTOCOL
(as of 28 October 94)

Page: 11

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>GUATEMALA</u>							
GUA/SEV/11/PRP/05: Sector: Ref Type: PRP	<u>Project Preparation Assistance</u>	0	30,000	19,857	Nov. 93	4Q94 2Q95	Ongoing. Following visit by a UNDP foam consultant and two visits by UNDP's refrigeration consultant, all in 3Q1994, two project proposals in the commercial refrigeration sector have been submitted for approval at the 15th ExCom Meeting. UNDP's halons sector expert will visit in Nov/Dec 94.
<u>INDIA</u>							
IND/FOA/12/INV/16: Sector: Foam Type: INV	<u>CAMPBOR & ALLIED PRODUCTS LTD phaseout of the use of CFCs in the manufacture of extruded polyethylene foam sheet.</u>	120	280,000	0	Mar. 94	2Q95 2Q95	Frozen. UNDP has been informed by the Government that all implementing agencies must now utilize the Industrial Development Bank of India (IDBI) as financial intermediary for implementation of approved Montreal Protocol projects. Since this is not possible under UNDP procedures governing Montreal Protocol project implementation, alternative implementation modalities are being discussed with the Government.
IND/FOA/12/INV/17: Sector: Foam Type: INV	<u>SUNPRA Ltd phaseout of the use of CFCs in the manufacture of rigid PUF panels.</u>	20	414,000	0	Mar. 94	3Q95 3Q95	Frozen. Status same as for Camphor & Allied project above.
IND/FOA/12/INV/18: Sector: Foam Type: INV	<u>EAGLE FLASK INDUSTRIES LTD phaseout of the use of CFCs in the manufacture of rigid PUF for thermoware.</u>	20	365,000	0	Mar. 94	2Q95 2Q95	Frozen. Status same as for Camphor & Allied project above.
IND/FOA/13/INV/27: Sector: Foam Type: INV	<u>BAKELITE HYLAM Ltd. phaseout of CFCs in the manufacture of phenolic foam and foam products</u>	58	367,000	0	July 94	4Q95 4Q95	Frozen. Same status as for Camphor & Allied project above.

STATUS OF ONGOING ACTIVITIES UNDER UNDP'S WORK PROGRAMME UNDER THE MONTREAL PROTOCOL
(as of 28 October 94)

Page: 12

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)
IND/FOA/13/INV/30: Sector: Foam Type: INV	<u>U-FOAM PRIVATE Ltd. phaseout of CFC use in the manufacture of polyurethane foams</u>	35	328,500	0	July 94	4Q95 4Q95	Frozen. Same status as for Camphor & Allied project above.
IND/FOA/13/TAS/29: Sector: Foam Type: TAS	<u>Strategy and action programme for the elimination of CFCs in the manufacture of foams</u>	0	200,000	0	July 94	4Q95 4Q95	Frozen. Same status as for Camphor & Allied project above.
IND/HAL/13/DEM/28: Sector: Halon Type: DEM	<u>Demonstration and evaluation of alternative technologies for halon fire protection systems and TA for sectoral ODS phaseout strategy</u>	0	309,000	0	July 94	3Q97 3Q97	Frozen. Same status as for Camphor & Allied project above.
IND/SEV/08/INS/02: Sector: Sev Type: INS	<u>Institutional Strengthening</u>	0	430,600	166,970	Oct. 92	1Q96 1Q96	Ongoing. The Ozone Cell has been established and staffed and is coordinating implementation of the India Country Programme, project formulation and implementation, and monitoring and review of project and programme activities.
IND/SEV/11/TAS/11: Sector: Sev Type: TAS	<u>Survey of ODS use in small-scale and informal sectors, data base generation and ODS transition management planning</u>	0	120,000	0	Nov. 93	4Q94 2Q95	Ongoing. Delays in project startup resolved. Survey questionnaires sent to small-scale industries and interviewers are engaged in data collection effort. Data compilation and evaluation expected in first half 1995. Disbursements not yet reported.
IND/SEV/12/PRP/19: Sector: Sev Type: PRP	<u>Project Preparation Assistance</u>	0	100,000	22,185	Mar. 94	2Q95 2Q95	Ongoing. No activities during July-October 1994.

STATUS OF ONGOING ACTIVITIES UNDER UNDP'S WORK PROGRAMME UNDER THE MONTREAL PROTOCOL
(as of 28 October 94)

Page: 13

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/10/INS/05: Sector: Sev Type: INS	<u>Institutional Strengthening</u>	0	314,780	113,260	June 93	4Q96 5Q97	Ongoing. The Government has revised its work plan and budget for an extra year but within the same approved budget. A Project Manager has been nominated.
<u>IRAN</u>							
IRA/SEV/08/INS/04: Sector: Sev Type: INS	<u>Institutional Strengthening</u>	0	200,200	62,500	Oct. 92	1Q96 1Q96	Ongoing. The ozone unit has been created under an ozone Coordinator. National staff have been recruited. A revision in the Work Plan and budget extends the life of the project to four years within the approved budget.
IRA/SEV/08/PRP/05: Sector: Sev Type: PRP	<u>Project preparation assistance</u>	0	50,000	17,935	Oct. 92	4Q93 4Q94	Ongoing. No activities to report. Several UNDP consultants unable to obtain visas to enter the country. UNDP following up with the Govt. as to whether this activity should be terminated.
<u>JAMAICA</u>							
JAM/SEV/14/PRP/02: Sector: Sev Type: PRP	<u>Project Preparation Assistance</u>	0	30,000	0	Sept. 94	4Q95 4Q95	Ongoing. Visit by UNDP refrigeration consultant scheduled for December 94.
<u>KENYA</u>							
KEN/SEV/09/INS/04: Sector: Sev Type: INS	<u>Institutional Strengthening</u>	0	175,000	43,000	Mar. 93	4Q96 4Q96	Ongoing. Slight changes to the workplan being introduced. Recruitment of staff underway. UNDP staff discussed with national counterparts the status of activities in October 1994.

STATUS OF ONGOING ACTIVITIES UNDER UNDP'S WORK PROGRAMME UNDER THE MONTREAL PROTOCOL
(as of 28 October 94)

Page: 14

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>MALAYSIA</u>							
MAL/ARS/12/TAS/30: Sector: Aerosol Type: TAS	<u>Safety and technical programme to aid manufacturers of aerosol products.</u>	0	145,700	17,250	Mar. 94	2Q96 2Q96	Ongoing. The workplan has been approved by Govt. A national aerosols expert has been recruited to coordinate project activities. Survey activity is currently underway and expected to be completed by end November 1994.
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 PUF</u>	30	690,000	690,000	Nov. 93	4Q94 1Q95	Ongoing. All equipment has been installed and trials are currently underway. Trials on HCFC-22 not successful and the enterprise is now running trials on HCFC-141b. Project commissioning by UNDP expert scheduled for January 1995.
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. 93	4Q94 1Q95	Ongoing. Equipment already left Italy and delivery at plant expected in November 1994. Trials with HCFC-141b will be undertaken once the equipment installation is completed.
MAL/FOA/11/INV/21: Sector: Foam Type: INV	<u>Eliminate CFC-12 in manufacture of extruded polystyrene and polyethylene foam sheet at Associated Air-Pack Industries</u>	50	234,000	9,589	Nov. 93	4Q94 1Q95	Ongoing. Contract finalized and various procurement activities currently underway.
MAL/FOA/12/INV/22: Sector: Foam Type: INV	<u>Cycle World elimination of CFCs in the manufacture of the polyurethane insulated panels</u>	45	353,000	353,000	Mar. 94	2Q95 2Q95	Ongoing. Contract finalized and equipment procurement is currently underway.
MAL/FOA/12/INV/23: Sector: Foam Type: INV	<u>Pulai Lamipak Industries Sdn Bhd elimination of CFC-12 in manufacture of extruded poly- ethylene foam sheet</u>	50	355,000	355,000	Mar. 94	2Q95 2Q95	Ongoing. Contract finalized and equipment procurement activities currently underway.

STATUS OF ONGOING ACTIVITIES UNDER UNDP'S WORK PROGRAMME UNDER THE MONTREAL PROTOCOL
(as of 28 October 94)

Page: 15

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/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	Ongoing. Project document signed. List of equipment to be purchased being finalized by UNDP foam sector expert.
MAL/FOA/12/INV/25: Sector: Foam Type: INV	<u>P.U. Mate Sdn Bhd elimination of CFCs in the manufacture of integral skin PUF</u>	10	113,000	113,000	Mar. 94	2Q95 2Q95	Ongoing. Project document signed. Equipment procurement contract being finalized.
MAL/FOA/12/INV/26: Sector: Foam Type: INV	<u>PEXAFOAM Sdn Bhd elimination of CFC-11 in the manufacture of flexible PUF (slabstock)</u>	120	195,000	195,000	Mar. 94	2Q95 2Q95	Ongoing. Project document signed. Machine has been installed. A UNDP technical visit in August 1994 assisted in formulation trials. Project commissioning expected in early 1995.
MAL/FOA/12/INV/27: Sector: Foam Type: INV	<u>N.Y.L. Sdn Bhd elimination of CFC-11 in the manufacture of flexible PUF (slabstock).</u>	55	130,000	130,000	Mar. 94	2Q95 2Q95	Ongoing. Project document signed. Installation of new equipment completed and formulation trials are now underway. Project commissioning planned for early 1995.
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	37,125	Mar. 94	3Q95 3Q95	Ongoing. Project document and subcontract for survey work signed. Survey activity started and expected to be completed before end-1994. Script for training video has been prepared and now under review by UNDP foam sector expert and UNDP staff.
MAL/FOA/13/INV/34: Sector: Foam Type: INV	<u>Allied Foam Insulation-- Elimination of CFC-11 in the manufacture of cold cure molded PUF</u>	25	276,000	0	July 94	4Q95 4Q95	Ongoing. Funds were received from the Treasurer in mid-September. Project document now finalized and sent for signature. Equipment specifications being finalized.
MAL/FOA/13/INV/35: Sector: Foam Type: INV	<u>Phoenix Base - Elimination of CFC-11 in the manufacture of flexible PUF</u>	61	165,000	0	July 94	4Q95 4Q95	Ongoing. Funds were received from the Treasurer in mid-September. Project document being signed. Project involves partial retroactive payment. A technical visit to assist in formulation trials will be fielded in early 1995.

STATUS OF ONGOING ACTIVITIES UNDER UNDP'S WORK PROGRAMME UNDER THE MONTREAL PROTOCOL
(as of 28 October 94)

Page: 16

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/FOA/13/INV/38: Sector: Foam Type: INV	<u>WONG BROTHERS Electrical and Refrigeration - Elimination of CFC-11 in manufacture of rigid PUF panels for cold storage</u>	35	299,000	0	July 94	4Q95 4Q95	Ongoing. Funds were received from the Treasurer in mid-September. Project document now being signed and equipment specifications being finalized.
MAL/FOA/13/INV/39: Sector: Foam Type: INV	<u>EVERSOFT Foam Industries - Elimination of CFC-11 in the manufacture of cold cure molded flexible PUF</u>	30	185,000	0	July 94	4Q95 4Q95	Ongoing. Funds were received from the Treasurer in mid-September. Project document now being signed and equipment specifications being finalized.
MAL/FOA/13/INV/40: Sector: Foam Type: INV	<u>Nian Aik Foam -- Elimination of CFC-11 in the manufacture of cold cure molded flexible PUF</u>	30	245,000	0	July 94	4Q95 4Q95	Ongoing. Funds were received from the Treasurer in mid-September. Project document being signed. Procurement plan and equipment specifications being finalized with the company.
MAL/FOA/13/INV/41: Sector: Foam Type: INV	<u>PANGKAT Refrigeration Industries - Elimination of CFC-11 in the manufacture of commercial refrigerators</u>	20	210,000	0	July 94	4Q95 4Q95	Ongoing. Funds were received from the Treasurer in mid-September. Project document being signed and equipment specifications being finalized.
MAL/REF/04/TRA/01: Sector: Ref Type: TRA	<u>Training in MAC sector</u>	0	50,000	0	June 91	4Q92 2Q95	Ongoing. A new proposal from the Government on how to implement this activity is being reviewed.
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	962,000	Mar. 94	2Q96 2Q96	Ongoing. Project document signed. Equipment specified. Subcontract being finalized. Project on schedule.
MAL/REF/13/INV/36: Sector: Ref Type: INV	<u>LIAN PANG - Elimination of CFCs in the manufacture of commercial refrigerator products</u>	10	201,000	0	July 94	4Q95 4Q95	Ongoing. Funds received from Treasurer in mid-September. Project document being signed and equipment specifications being finalized.

STATUS OF ONGOING ACTIVITIES UNDER UNDP'S WORK PROGRAMME UNDER THE MONTREAL PROTOCOL
(as of 28 October 94)

Page: 17

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/REF/13/INV/37: Sector: Ref Type: INV	<u>UNITED - elimination of CFCs in commercial refrigeration products</u>	71	351,200	0	July 94	4Q95 4Q95	Ongoing. Funds received from Treasurer in mid-September. Project document being signed and equipment specifications being finalized.
MAL/REF/13/INV/42: Sector: Ref Type: INV	<u>OYL Appliances elimination of CFC-11 and CFC-12 in the manufacture of refrigerators</u>	22	625,100	0	July 94	4Q96 4Q96	Ongoing. Funds received from Treasurer in mid-September. Project document being signed and equipment specifications being finalized.
MAL/SEV/09/INS/08: Sector: Sev Type: INS	<u>Institutional strengthening</u>	0	322,520	115,920	Mar. 93	3Q96 3Q96	Ongoing. Workplan approved and project activities underway. In addition, the Ozone Office is coordinating all activities and is being assisted by the World Bank in updating the Country Programme.
MAL/SOL/11/INV/18: Sector: Solvent Type: INV	<u>Conversion of metal cleaning processes from TCA (methyl chloroform) to non-ODS organic solvents at Ngai Cheong Metal Industries</u>	23	63,480	63,480	Nov. 93	4Q94 2Q95	Ongoing. Previous procurement plans for the purchase of used machines have changed since the company now intends to buy new equipment and would like to apply project funds towards this purchase. Their application is being reviewed by the UNDP sector expert. Funds previously committed on hold.
MAL/SOL/11/INV/20: Sector: Solvent Type: INV	<u>Elimination of TCA use (methyl chloroform) in home appliance parts mfg. at Matsushita Electric Co. (Port Klang plant)</u>	10	173,280	173,280	Nov. 93	3Q94 1Q95	Ongoing. Partically completed. Conversion plan for the second cleaning line has been slightly modified. Application for use of contingency funds has been reviewed and approved by the UNDP sector expert based on engineering and environmental justifications.
MAL/SOL/12/INV/21: Sector: Solvent Type: INV	<u>Elimination of the use of TCA in the automobile bumper cleaning at Perusahaan Otomobil Nasional Bhd (PROTON)</u>	195	700,439	700,439	Mar. 94	1Q96 1Q96	Ongoing. Project document signed and subcontract finalized. A local engineering contractor will undertake a major part of the planned activities.

STATUS OF ONGOING ACTIVITIES UNDER UNDP'S WORK PROGRAMME UNDER THE MONTREAL PROTOCOL
(as of 28 October 94)

Page: 18

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/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	Ongoing. A second visit in September 1994 by the UNDP Sector Expert confirmed that the company, which has since relocated to a new site, remains eligible for project funds. The company is still doing tests to evaluate the implications of alternative ODS substitutes on the company's product line. It is expected that implementation can start by end-1994.
MAURITIUS							
MAU/ARS/12/INV/03: Sector: Aerosol Type: INV	<u>Compagnie manufacturiere de produits cosmetiques Itee (COMANU)</u>	25	62,150	0	Mar. 94	2Q95 2Q95	Ongoing. Project implementation arrangements have been agreed upon. Purchase order with PAMASOL for equipment already placed. Delivery expected end-1994. The new installation will be inspected by a UNDP expert before payment is made.
MAU/SEV/12/PRP/04: Sector: Sev Type: PRP	<u>Project Preparation Assistance</u>	0	25,000	5,385	Mar. 94	2Q95 2Q95	Ongoing. A visit by UNDP's refrigeration expert in September 1994 resulted in the submission of two project proposals (BLYFRIDGE, BAHEMIA) for approval to the 15th ExCom meeting. Technical assistance to the Mauritius Agricultural Marketing Board is pending further feasibility studies to be undertaken.
MEXICO							
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. 92	4Q92 4Q94	Ongoing. The national consultant responsible for this activity became seriously sick and was not able to work for several months. UNDP and SEDESOL have therefore requested him to finalize his work by end Nov. 94.
MEX/SEV/04/PRP/03: Sector: Sev Type: PRP	<u>Preparation of terms of reference for investment projects identified in the CP</u>	0	50,000	52,277	June 91	4Q92 4Q94	Ongoing. The national expert 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 being accelerated through the assistance of UNDP's refrigeration sector consultant. Projects should be ready for consideration at the 16th and future ExCom Meetings.

STATUS OF ONGOING ACTIVITIES UNDER UNDP'S WORK PROGRAMME UNDER THE MONTREAL PROTOCOL
(as of 28 October 94)

Page: 19

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)
MEX/SEV/14/PRP/18: Sector: Sev Type: PRP	<u>Project Preparation Assistance</u>	0	100,000	20,370	Sept. 94	4Q95 4Q95	Ongoing. UNDP expert visits in the refrigeration and foams sector resulted in the preparation/submission two project proposals in domestic refrigeration amounting to \$12.5 million for approval at the 15th ExCom. In addition, UNDP cooperates closely with USEPA and has supported USEPA technical visits in halon, MAC, commercial refrigeration and solvents sectors. As a first result, two solvents projects are being presented at the 15th ExCom Meeting for approval.
<u>NIGERIA</u>							
NIR/SEV/09/INS/04: Sector: Sev Type: INS	<u>Institutional strengthening</u>	0	300,000	111,174	Mar. 93	3Q96 3Q96	Ongoing. An ozone unit has been created and national staff appointed. They are now directing and supervising the implementation of the ODS phaseout in the country.
<u>PAKISTAN</u>							
PAK/SEV/14/INS/05: Sector: Sev Type: INS	<u>Institutional Strengthening</u>	0	259,000	0	Sept. 94	4Q97 4Q97	Ongoing. Project document and workplan being finalized.
<u>PANAMA</u>							
PAN/FOA/13/INV/05: Sector: Foam Type: INV	<u>Elimination of CFC-11 in the manufacture of flexible and rigid PUF in Plastifom, Profonsa and Thermofoam</u>	26	155,000	0	July 94	4Q95 4Q95	Ongoing. Company has prepared specifications for equipment with the help of a UNDP foam sector consultant. The bidding process will commence in Nov. 94.
PAN/SEV/11/PRP/03: Sector: Sev Type: PRP	<u>Project Preparation Assistance</u>	0	30,000	16,599	Nov. 93	4Q94 1Q95	Ongoing. A visit by one of UNDP'S foam consultant resulted in development of the PROMFOSA AND THERMOFOAM projects. A recovery/recycling project is being formulated following the visit of UNDP refrigeration sector consultants in July and October 1994 respectively, which should be finalized for the 16th ExCom Meeting.

STATUS OF ONGOING ACTIVITIES UNDER UNDP'S WORK PROGRAMME UNDER THE MONTREAL PROTOCOL
(as of 28 October 94)

Page: 20

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>PERU</u>							
PER/SEV/13/PRP/02: Sector: Sev Type: PRP	<u>Project preparation assistance</u>	0	100,000	48,439	July 94	4Q95 4Q95	Ongoing. Several visits were undertaken by UNDP's refrigeration and foam consultants in 3Q94 resulted in six domestic refrigeration projects amounting to \$2.8 million being presented to the 15th ExCom Meeting for approval. Activities in the refrigeration sector have also been linked with UNEP's efforts to finalize the country programme. A UNDP project implementation visit will take place in Dec. 1994.
<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 (three companies)</u>	24	505,000	0	Mar. 94	2Q95 2Q95	Ongoing. Upon completion of safety measure requirements, this project will have been fully implemented. Payments will then be effected using the retroactive modality.
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	Ongoing. Specifications and analysis report have been finalized and submitted by the process consultant to OPS. Bidding evaluation report with sector expert for final review. Procurement will follow immediately.
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	Ongoing. A slight delay is foreseen since the foam plant to be used as a model had a production accident. An investigation will be done by the sector expert/process consultant to determine the viability of using the plant as a model.
PHI/FOA/13/INV/27: Sector: Foam Type: INV	<u>FOAMCRAFT phaseout of CFCs in the manufacture of flexible PUFs (slabstock)</u>	90	185,000	0	July 94	4Q95 4Q95	Ongoing. This project is implemented on a retroactive modality. Upon verification of safety levels of methylene chloride in the work place, full implementation of the project will have been completed. Payment will then be made.

STATUS OF ONGOING ACTIVITIES UNDER UNDP'S WORK PROGRAMME UNDER THE MONTREAL PROTOCOL
(as of 28 October 94)

Page: 21

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)
PHI/FOA/13/INV/28: Sector: Foam Type: INV	<u>METAL FORMING CORP. phaseout of the use of CFCs in the manufacture of polyurethane insulated building elements</u>	50	305,000	0	July 94	3Q95 3Q95	Ongoing. Process consultant has submitted specifications to OPS. Bidding has now commenced.
PHI/FOA/13/INV/30: Sector: Foam Type: INV	<u>Elimination of the residual use of CFCs in the manufacture of extruded polystyrene foam sheets - Styrotech</u>	25	60,000	0	July 94	2Q95 2Q95	Ongoing. This is project will be implemented as part of the umbrella project for XPS foam sheet manufacturers. Complete implementation will be attained when safety measures have been fully satisfied at the workplace. Payment will be made on a retroactive modality.
PHI/REF/13/INV/29: Sector: Ref Type: INV	<u>UNIMAGNA phaseout of the use of CFCs in the manufacture of commercial refrigerators and ice boxes.</u>	30	1,015,700	400,000	July 94	4Q95 4Q95	Ongoing. Process consultant has finalized and submitted specifications to OPS. International bidding will soon commence.
PHI/SEV/11/TAS/20: Sector: Sev Type: TAS	<u>Survey of ODS usage, data base generation and TA for ODS phaseout for small scale enterprises using ODS</u>	0	100,000	30,000	Nov. 93	4Q94 2Q95	Ongoing. The preliminary report of the first phase has been submitted to OPS in August. Upon submission of the complete report of phase 1, the proposal for phase 2 which would consist of extensive data gathering will commence. Expected completion date is now 2Q95.
<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	Ongoing. Detailed workplan being prepared.
SRL/SEV/14/PRP/03: Sector: Sev Type: PRP	<u>Project Preparation Assistance</u>	0	30,000	0	Sept. 94	4Q95 4Q95	Ongoing. Visit by a UNDP refrigeration sector expert as well as UNDP staff is being planned for November 1994 to formulate the required technical assistance and investment projects.

STATUS OF ONGOING ACTIVITIES UNDER UNDP'S WORK PROGRAMME UNDER THE MONTREAL PROTOCOL
(as of 28 October 94)

Page: 22

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>THAILAND</u>							
THA/FOA/11/INV/20: Sector: Foam Type: INV	<u>Eliminate CFC-114 in manufacture of extruded polystyrene foam sheet and profiles at Thermaflex Insulation Asia Company</u>	30	220,000	220,000	Nov. 93	4Q94 3Q94	Ongoing. Project was commissioned in July 1994. Partial payment effected; full payment will be made upon receipt of other missing supporting documents.
THA/FOA/12/INV/25: Sector: Foam Type: INV	<u>Elimination of the use of CFCs in manufacture of polystyrene foam sheet in Thailand (Phase 1: Two companies)</u>	100	455,000	0	Mar. 94	2Q95 2Q95	Ongoing. Project document signed. Project will be implemented under retroactive modality. A technical monitoring visit will soon be fielded to review progress and inspect safety installations.
THA/FOA/12/INV/26: Sector: Foam Type: INV	<u>HENGER PANEL Elimination of the use of CFCs in manufacture of laminated rigid PUF insulation panels.</u>	15	257,500	0	Mar. 94	2Q95 2Q95	Ongoing. Project document signed and procurement/contracting activity in process.
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	Ongoing. Project Document signed. Some procurement activities are underway. Company needs further technical guidance. A technical visit is being scheduled.
THA/FOA/12/INV/29: Sector: Foam Type: INV	<u>MODULAR COMPOUND elimination of the use of CFCs in manufacture of laminated rigid PUF insulation panels</u>	30	508,000	0	Mar. 94	2Q95 2Q95	Ongoing. Project document signed. Procurement activity underway.
THA/FOA/13/INV/30: Sector: Foam Type: INV	<u>LUCKY GROUP - Elimination of the use of CFCs in the manufacture of flexible PUF (slabstock)</u>	187	605,000	0	July 94	4Q95 4Q95	Ongoing. Funds received from the Treasurer in mid-September. Project document awaiting signature.

STATUS OF ONGOING ACTIVITIES UNDER UNDP'S WORK PROGRAMME UNDER THE MONTREAL PROTOCOL
(as of 28 October 94)

Page: 23

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)
THA/FOA/13/INV/31: Sector: Foam Type: INV	<u>PONSRI: Elimination of CFC use in the manufacture of extruded polystyrene foam sheets</u>	100	340,000	0	July 94	4Q95 4Q95	Ongoing. Funds received from the Treasurer in mid-September. Project document being signed. Construction of new factory nearing completion. A technical visit will be fielded soon to advise on safety measures.
THA/REF/13/INV/33: Sector: Ref Type: INV	<u>SANDEN elimination of the use of CFCs in the manufacture of commercial refrigerators</u>	30	533,800	0	July 94	4Q95 4Q95	Ongoing. Funds received from the Treasurer in mid-September. Project document awaiting signature. Equipment specifications have been finalized. Bidding and contracting process is currently underway.
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. 93	2Q96 2Q96	Ongoing. An Ozone Layer Protection Unit was created under this 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.

TRINIDAD/TOBAGO

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 91	4Q92 1Q95	Ongoing. Following two visits by a UNDP consultant on Country Programme preparation and the signature of a subcontract with CARIRI, a draft CP was prepared. An annotated draft was recently returned to CARIRI. It is hoped that the CP will be finalized for presentation at the 16h ExCom Meeting.
TRT/SEV/06/CPG/03: Sector: Sev Type: CPG	<u>Country programme preparation</u>	0	25,000	19,000	Feb. 92	4Q92 1Q95	Ongoing. These funds are actually a follow-up to the above activity. CP finalization is expected in 1Q95.

URUGUAY

URU/FOA/13/INV/06: Sector: Foam Type: INV	<u>Conversion to CFC-free technology in the manufacture of rigid PUF (spray)</u>	71	665,000	0	July 94	4Q95 4Q95	Ongoing. Visits by UNDP's foam sector experts scheduled for early Nov 1994 to assist in preparation of equipment specifications and initiate procurement activities. National workshops are scheduled for 2Q95.
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STATUS OF ONGOING ACTIVITIES UNDER UNDP'S WORK PROGRAMME UNDER THE MONTREAL PROTOCOL
(as of 28 October 94)

Page: 24

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)
URU/FOA/13/INV/09: Sector: Foam Type: INV	<u>Conversion to CFC-free technology in the manufacture of flexible PUF</u>	17	200,000	0	July 94	4Q95 4Q95	Ongoing. UNDP expert visit is scheduled for early November to assist in the preparation of equipment specifications and initiate procurement activities. National workshops are scheduled for 2Q95.
URU/REF/12/TAS/04: Sector: Ref Type: DEM	<u>IA for refrigerant conservation and demonstration programme: recovery & recycling of CFC-12</u>	22	175,000	0	Mar. 94	2Q96 2Q96	Ongoing. A UNDP ODS recovery/recycling consultant visited Uruguay in July 1994 and conducted workshops in this area. The bidding for the purchase of the recovery and recycling equipment has taken place and procurement activities are underway.
URU/SEV/10/INS/03: Sector: Sev Type: INS	<u>Institutional strengthening</u>	0	173,800	89,302	June 93	3Q96 3Q96	Ongoing. Project document was signed in October 1993 and implementation started immediately. The ozone unit is fully staffed and is actively coordinating the national ODS phaseout effort.
URU/SEV/13/PRP/08: Sector: Sev Type: PRP	<u>Preparation of projects in the foams and halons sector</u>	0	30,000	12,500	July 94	2Q95 2Q95	Ongoing. Following a visit by UNDP's halon sector expert, a halons sector project proposal is being presented to the 15th ExCom Meeting for approval.
<u>VENEZUELA</u>							
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. 93	2Q94 4Q95	Ongoing. Contract with MADOSA ready for signature. Project will start only after the project document is signed. Some objections raised by the subcontractor on the wording of the subcontract has delayed the start of this recovery-recycling programme. These issues have now been solved and the one-year programme will start in Nov/Dec 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	13,400	Mar. 94	1Q95 1Q95	Ongoing. National consultant was recruited and mid-term report was prepared. Final report and completion of the project expected in 1Q95.

STATUS OF ONGOING ACTIVITIES UNDER UNDP'S WORK PROGRAMME UNDER THE MONTREAL PROTOCOL
(as of 28 October 94)

Page: 25

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)
VEN/SEV/09/INS/08: Sector: Sev Type: INS	<u>Institutional strengthening</u>	0	329,192	242,081	Mar. 93	2096 2096	Ongoing. Funds corresponding to first and second year have been disbursed. FONDOIN is now fully staffed and is actively coordinating the national ODS phaseout programme.
VEN/SEV/11/CPG/17: Sector: Sev Type: CPG	<u>Finalization of the Venezuela Country Programme</u>	0	12,000	5,587	Nov. 93	4094 1095	Ongoing. Activity includes preparation of three remaining sectoral reports, compilation of basic elements of the eight sectoral reports into the CP, finalization of the phaseout strategy and listing of projects and translation into English. It is expected that the CP will be presented at the 16th ExCom Meeting.
<u>VIETNAM</u>							
VIE/SEV/12/PRP/01: Sector: Sev Type: PRP	<u>Project Preparation Assistance</u>	0	100,000	29,935	Mar. 94	2095 2095	Ongoing. UNDP foam and halons experts visited Vietnam in August 1994. One combined refrigeration/foam project, originally identified by UNDP, has been submitted by UNIDO for 15th ExCom approval. Other sector project preparation activities underway. The data collected on the halons and foams sectors, including companies identified, have been copied to UNEP and the French bilateral programme to assist them in CP finalization.
<u>REGIONAL</u>							
ASP/REF/06/TRA/03: Sector: Ref Type: TRA	<u>One of three MAC recycling training/demonstration programme (Asia)</u>	0	45,000	0	Feb. 92	4092 2095	Ongoing. It will now be more of a training workshop. USEPA will cooperate in programme implementation.
GLO/REF/06/TRA/03: Sector: Ref Type: TRA	<u>Regional MAC recycling training and demonstration programme (Middle East)</u>	0	45,000	0	Feb. 92	4092 2095	Ongoing. Same justification as for the Asia regional MAC workshop.

STATUS OF ONGOING ACTIVITIES UNDER UNDP'S WORK PROGRAMME UNDER THE MONTREAL PROTOCOL
(as of 28 October 94)

Page: 26

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)
LAC/REF/06/TRA/04: Sector: Ref Type: TRA	<u>MAC CFC-recycling training and demonstration programme (Latin America)</u>	0	45,000	0	Feb. 92	4Q92 2Q95	Ongoing. Same justification as for the Asia MAC regional workshop.
<u> GLOBAL</u>							
GLO/ARS/06/TAS/05: Sector: Aerosol Type: TAS	<u>Technical assistance in aerosols</u>	0	60,000	44,212	Feb. 92	4Q92 2Q95	Ongoing. Activities planned in this sector include assistance of a sector expert in Asia and Latin America. A visit is already scheduled for Bangladesh. Activity completion in 2Q95.
GLO/FOA/14/TAS/69: Sector: Foam Type: TAS	<u>Determination of Cost-Effective Phaseout Approaches for Enterprises with Relatively Small ODS Use in Foams</u>	0	50,000	0	Sept. 94	3Q95 3Q95	Ongoing. Recently approved. Data gathering is underway to review and analyze all approved foam projects so as to establish the base data for a cut-off where small projects end and medium-size projects begin as well as to establish equipment costs.
GLO/HAL/08/TAS/23: Sector: Halon Type: TAS	<u>Global Halons Project</u>	0	345,133	49,913	Oct. 92	4Q94 4Q95	Ongoing. As part of the joint UNDP/UNEP halons programme, UNDP has assisted EPA in its second visit to Venezuela from 28 August to 2 September 1994. The purpose was to meet with halon users in regard to involvement in H-1211 and to discuss with Venezuela military on halon requirements. Proposed UNDP assistance for Latin America in the future: Panama (early 1995); Uruguay (Dec. 1994) and Venezuela and Indonesia (1995). Other countries will also be assisted under the programme.
GLO/HAL/13/TAS/37: Sector: Halon Type: TAS	<u>Analysis and formulation of a halon action plan and phaseout strategy for small consuming countries</u>	0	50,000	50,000	July 94	1Q95 1Q95	Ongoing. UNDP halons expert visited Uruguay, Bahrain and Kenya and reviewed halons phaseout plans for 3 other countries as well. A working group was constituted. A draft paper was discussed in Nairobi in Sept 94. As agreed with HTOC, a second draft was distributed to HTOC members for comment. The paper has been submitted to the Fund Secretariat for comment.
GLO/REF/06/TAS/06: Sector: Ref Type: TAS	<u>Technical assistance in MAC</u>	0	50,000	13,623	Feb. 92	4Q92 2Q95	Ongoing. 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.

STATUS OF ONGOING ACTIVITIES UNDER UNDP'S WORK PROGRAMME UNDER THE MONTREAL PROTOCOL
(as of 28 October 94)

Page: 27

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)
GLO/REF/08/TAS/24: Sector: Ref Type: TAS	<u>Global MAC project</u>	0	318,584	82,340	Oct. 92	4Q94 4Q95	Ongoing. MAC project jointly developed and implemented in Venezuela by USEPA/UNDP/VEN (FONDOIN) is ongoing. Preliminary report has been submitted by FONDOIN. As a follow-up to this project, Venezuela has submitted a proposal for a second phase which is currently being reviewed by both USEPA and UNDP. Other countries will be joining this programme.
GLO/SEV/06/TRA/11: Sector: Sev Type: PRP	<u>Three national policy workshops</u>	0	45,000	27,240	Feb. 92	4Q92 2Q95	Ongoing. Two national policy workshops in India (March 1993) and Peru (April 1994) have been funded. UNDP is evaluating funding requests for the third workshop.
GLO/SEV/06/TRA/12: Sector: Sev Type: TRA	<u>Two study-tours for officials and industry representatives</u>	0	50,000	12,000	Feb. 92	4Q92 2Q95	Ongoing. A delegation from Malaysia reviewed technologies for ODS phaseout in both the US and Japan covering all sectors and also attended the 1994 International CFC & Halons Alternatives Conference in Washington DC. Planning is underway for a study group from India again covering all sectors.
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	28,000	Mar. 94	2Q95 2Q95	Ongoing. Safety equipment for use in pre and post assessments of UNDP's foam and solvents sector projects has been specified and received. UNDP sector experts are setting up the process for implementation of these safety assessments. There will be no further charges to this project, other than minor revisions (up or down) when the accounts are finalized.

111

COMPLETED ACTIVITIES UNDER UNDP'S WORK PROGRAMME UNDER THE MONTREAL PROTOCOL
(as of 28 October 94)

NOV. 15 1994

Page: 1

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 survey and training</u>	0	55,000	53,850	June 91	4Q92 2Q93	Completed
BGD/SEV/06/CPG/02: Sector: Sev Type: CPG	<u>Country programme preparation</u>	0	25,000	25,000	Feb. 92	3Q93 3Q94	Completed
<u>BRAZIL</u>							
BRA/REF/06/DEM/01: Sector: Ref Type: DEM	<u>Demo prog for refrig CFC reuse</u>	0	25,000	25,000	Feb. 92	4Q92 2Q94	Completed
<u>CHILE</u>							
CHI/REF/06/DEM/02: Sector: Ref Type: DEM	<u>Demo prog: refrig technicians</u>	0	25,000	25,000	Feb. 92	4Q92 3Q93	Completed
<u>CHINA</u>							
CPR/FOA/06/TAS/04: Sector: Foam Type: TAS	<u>Quality control: home refrig.</u>	0	65,000	60,019	Feb. 92	4Q92 3Q93	Completed
CPR/FOA/06/TAS/05: Sector: Foam Type: TAS	<u>TA: subs. technologies rigid PUF</u>	0	70,000	70,000	Feb. 92	4Q92 3Q93	Completed
CPR/HAL/06/TAS/06: Sector: Halon Type: TAS	<u>Study: Halons uses/substitutes</u>	0	40,000	43,345	Feb. 92	4Q92 2Q93	Completed

COMPLETED ACTIVITIES UNDER UNDP'S WORK PROGRAMME UNDER THE MONTREAL PROTOCOL
(as of 28 October 94)

Page: 2

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/REF/06/TAS/07: Sector: Ref Type: TAS	<u>Study: HFC-134a in MAC/recycling</u>	0	40,000	24,836	Feb. 92	4Q92 4Q93	Completed
CPR/REF/06/TRA/08: Sector: Ref Type: TAS	<u>Study: Non-ODS refrig. technol.</u>	0	75,000	75,000	Feb. 92	1Q93 3Q93	Completed
CPR/SEV/06/CPG/12: Sector: Sev Type: CPG	<u>Country programme preparation</u>	0	200,000	200,000	Feb. 92	1Q93 1Q93	Completed
CPR/SEV/09/PRP/28: Sector: Sev Type: PRP	<u>Project preparation assistance</u>	0	100,000	100,000	Mar. 93	4Q93 3Q94	Completed
CPR/SOL/06/TAS/09: Sector: Solvent Type: TAS	<u>Study: Non-ODS electron. clean.</u>	0	40,000	41,829	Feb. 92	4Q92 1Q93	Completed
<u>COSTA RICA</u>							
CSR/SEV/04/TAS/01: Sector: Sev Type: CPG	<u>ODS reconnaissance study</u>	0	20,000	23,422	June 91	4Q91 2Q92	Completed
CSR/SEV/06/CPG/02: Sector: Sev Type: CPG	<u>Country programme preparation</u>	0	20,000	22,909	Feb. 92	4Q92 3Q92	Completed

COMPLETED ACTIVITIES UNDER UNDP'S WORK PROGRAMME UNDER THE MONTREAL PROTOCOL
(as of 28 October 94)

Page: 3

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>CUBA</u>							
CUB/SEV/08/CPG/01: Sector: Sev Type: CPG	<u>Country programme preparation</u>	0	20,000	15,000	Oct. 92	2Q93 2Q93	Completed
<u>ECUADOR</u>							
ECU/REF/06/TRA/03: Sector: Ref Type: TRA	<u>CFC refrigerant conversion trng.</u>	0	140,000	140,000	Feb. 92	2Q94 2Q94	Completed
<u>EGYPT</u>							
EGY/FOA/08/INV/05: Sector: Foam Type: INV	<u>Misr Foams flexible PUF inv.</u>	121	497,000	500,489	Oct. 92	4Q94 1Q94	Completed
EGY/FOA/08/INV/07: Sector: Foam Type: INV	<u>Technopol molded PUF inv. proj.</u>	55	645,000	676,211	Oct. 92	4Q94 2Q94	Completed
EGY/FOA/09/INV/11: Sector: Foam Type: INV	<u>Misr Foams molded PUF inv. proj.</u>	28	275,000	284,431	Mar. 93	1Q94 4Q93	Completed
EGY/FOA/11/INV/18: Sector: Foam Type: INV	<u>SECC rigid PUF investment proj.</u>	15	85,000	77,736	Nov. 93	4Q94 4Q94	Completed

COMPLETED ACTIVITIES UNDER UNDP'S WORK PROGRAMME UNDER THE MONTREAL PROTOCOL
(as of 28 October 94)

Page: 4

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/REF/08/INV/09: Sector: Ref Type: INV	<u>Koldair Co. refrig. inv. project</u>	18	272,000	250,021	Oct. 92	4Q94 1Q94	Completed
EGY/SEV/04/TRA/02: Sector: Sev Type: TRA	<u>Study tours: govt./industry</u>	0	51,000	44,090	June 91	2Q92 2Q92	Completed
EGY/SEV/06/PRP/03: Sector: Sev Type: PRP	<u>Project preparation assistance</u>	0	100,000	100,319	Feb. 92	3Q93 3Q93	Completed
EGY/SEV/11/PRP/20: Sector: Sev Type: PRP	<u>Project Preparation Assistance</u>	0	75,000	75,000	Nov. 93	4Q94 4Q94	Completed
<u>GHANA</u>							
GHA/REF/04/TRA/02: Sector: Ref Type: TRA	<u>Refrig training prog/technicians</u>	0	5,200	5,200	June 91	4Q92 4Q92	Completed
<u>INDIA</u>							
IND/SEV/08/PRP/01: Sector: Sev Type: PRP	<u>Project preparation assistance</u>	0	100,000	81,661	Oct. 92	4Q93 1Q94	Completed
IND/SEV/09/CPR/03: Sector: Sev Type: CPG	<u>Country programme preparation</u>	0	200,000	200,000	Mar. 93	3Q93 3Q93	Completed

COMPLETED ACTIVITIES UNDER UNDP'S WORK PROGRAMME UNDER THE MONTREAL PROTOCOL
(as of 28 October 94)

Page: 5

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. 92	4Q93 4Q93	Completed
IDS/SEV/11/PRP/06: Sector: Sev Type: PRP	<u>Project Preparation Assistance</u>	0	100,000	100,000	Nov. 93	4Q94 4Q94	Completed
<u>IRAN</u>							
IRA/SEV/04/TAS/01: Sector: Sev Type: CPG	<u>ODS reconnaissance survey</u>	0	30,350	30,350	June 91	4Q91 2Q92	Completed
IRA/SEV/06/CPG/02: Sector: Sev Type: CPG	<u>Country programme preparation</u>	0	35,000	35,000	Feb. 92	4Q92 2Q93	Completed
<u>JORDAN</u>							
JOR/ARS/04/TAS/01: Sector: Aerosol Type: TAS	<u>TA: aerosols sector</u>	0	29,000	29,000	June 91	4Q91 1Q92	Completed
JOR/ARS/06/TAS/12: Sector: Aerosol Type: TAS	<u>LPG deodorization for aerosols</u>	0	12,000	12,000	Feb. 92	4Q92 2Q93	Completed
<u>KENYA</u>							
KEN/REF/10/TRA/05: Sector: Ref Type: DEM	<u>Demon/training in Refrig/AC</u>	0	9,850	9,852	June 91	4Q92 4Q92	Completed

COMPLETED ACTIVITIES UNDER UNDP'S WORK PROGRAMME UNDER THE MONTREAL PROTOCOL
(as of 28 October 94)

Page: 6

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)
KEN/SEV/06/CPG/02: Sector: Sev Type: CPG	<u>Country programme preparation</u>	0	25,000	22,730	Feb. 92	3Q93 2Q94	Completed
<u>MALAYSIA</u>							
MAL/FOA/10/INV/11: Sector: Foam Type: INV	<u>Jumaya XPS foam sheet inv proj</u>	150	235,811	235,873	June 93	4Q94 4Q93	Completed
MAL/FOA/11/INV/17: Sector: Foam Type: INV	<u>Island Resources PUF inv. proj.</u>	30	230,000	230,000	Nov. 93	3Q94 2Q94	Completed
MAL/SEV/10/PRP/14: Sector: Sev Type: PRP	<u>Project preparation assistance</u>	0	50,000	54,438	June 93	1Q94 1Q94	Completed
MAL/SEV/10/TRA/13: Sector: Sev Type: TRA	<u>TA: National ODS Conference</u>	0	40,000	40,000	June 93	3Q93 3Q93	Completed
MAL/SEV/12/PRP/31: Sector: Sev Type: PRP	<u>Project Preparation Assistance</u>	0	100,000	100,000	Mar. 94	2Q95 4Q94	Completed
MAL/SOL/11/INV/19: Sector: Solvent Type: INV	<u>Matsushita (main) solvents proj.</u>	10	113,570	113,570	Nov. 93	3Q94 2Q94	Completed
<u>MEXICO</u>							
MEX/SEV/11/PRP/14: Sector: Sev Type: PRP	<u>Project Preparation Assistance</u>	0	50,000	50,000	Nov. 93	4Q94 4Q94	Completed

COMPLETED ACTIVITIES UNDER UNDP'S WORK PROGRAMME UNDER THE MONTREAL PROTOCOL
(as of 28 October 94)

Page: 7

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>NIGERIA</u>							
NIR/SEV/04/TRA/02: Sector: Sev Type: TRA	<u>Nat. non-ODS industry seminar</u>	0	49,650	26,449	June 91	1Q92 4Q92	Completed
<u>PHILIPPINES</u>							
PHI/REF/04/TRA/01: Sector: Ref Type: TRA	<u>Training prog: refrig servicing</u>	0	64,000	62,297	June 91	2Q92 4Q92	Completed
PHI/SEV/08/CPG/05: Sector: Sev Type: CPG	<u>Country programme preparation</u>	0	79,640	79,640	Oct. 92	2Q93 2Q93	Completed
PHI/SEV/11/PRP/22: Sector: Sev Type: PRP	<u>Project Preparation Assistance</u>	0	50,000	50,000	Nov. 93	4Q94 4Q94	Completed
<u>SRI LANKA</u>							
SRL/SEV/06/CPG/01: Sector: Sev Type: CPG	<u>Country programme preparation</u>	0	35,000	35,000	Feb. 92	2Q93 4Q93	Completed
<u>THAILAND</u>							
THA/SEV/04/TRA/02: Sector: Sev Type: TRA	<u>Training: Govt technical staff</u>	0	50,000	53,785	June 91	2Q92 4Q92	Completed
THA/SEV/10/PRP/11: Sector: Sev Type: PRP	<u>Project Preparation Assistance</u>	0	50,000	50,000	June 93	2Q94 3Q94	Completed

COMPLETED ACTIVITIES UNDER UNDP'S WORK PROGRAMME UNDER THE MONTREAL PROTOCOL
(as of 28 October 94)

Page: 8

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>URUGUAY</u>							
URU/SEV/04/TAS/01: Sector: Sev Type: TAS	<u>Consultant: technical assistance</u>	0	13,050	14,042	June 91	4Q91 4Q92	Completed
URU/SEV/08/CPG/02: Sector: Sev Type: CPG	<u>Country programme preparation</u>	0	23,894	25,444	Oct. 92	2Q93 2Q93	Completed
<u>VENEZUELA</u>							
VEN/HAL/09/TAS/09: Sector: Halon Type: TRA	<u>Workshops: Halon recycle/banking</u>	0	26,800	23,100	Mar. 93	1Q94 2Q94	Completed
VEN/REF/04/TRA/01: Sector: Ref Type: TRA	<u>IA/training: refrig technicians</u>	0	30,000	19,020	June 91	1Q92 2Q92	Completed
VEN/REF/09/PRP/10: Sector: Ref Type: PRP	<u>Workshops: Refrig proj prep.</u>	0	19,800	19,800	Mar. 93	4Q93 4Q94	Completed
VEN/REF/09/TAS/11: Sector: Ref Type: TRA	<u>Workshops: Non-ODS A/C systems</u>	0	26,200	13,200	Mar. 93	2Q94 2Q94	Completed
<u>REGIONAL</u>							
AFR/FOA/06/TRA/03: Sector: Foam Type: TRA	<u>Reg. foam workshop (M.E./Africa)</u>	0	52,500	38,087	Feb. 92	4Q92 4Q93	Completed

COMPLETED ACTIVITIES UNDER UNDP'S WORK PROGRAMME UNDER THE MONTREAL PROTOCOL
(as of 28 October 94)

Page: 9

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)
ASP/FOA/06/TRA/05: Sector: Foam Type: TRA	<u>Reg foam workshop (Asia/Pacific)</u>	0	52,500	36,828	Feb. 92	4Q92 4Q93	Completed
GLO/HAL/06/TRA/16: Sector: Halon Type: TRA	<u>Halons training prog (Africa/ME)</u>	0	60,000	39,012	Feb. 92	4Q92 4Q93	Completed
LAC/FOA/06/TRA/02: Sector: Foam Type: TRA	<u>Reg. foam workshop (L. America)</u>	0	52,500	53,812	Feb. 92	4Q93 4Q93	Completed
LAC/HAL/06/TRA/03: Sector: Halon Type: TRA	<u>Halons training prog (L.America)</u>	0	60,000	44,842	Feb. 92	1Q94 2Q94	Completed
LAC/REF/06/TRA/05: Sector: Ref Type: TRA	<u>Train/demo prog refrig (LA)</u>	0	23,000	23,047	Feb. 92	3Q92 3Q92	Completed
<u> GLOBAL</u>							
GLO/FOA/06/TAS/08: Sector: Foam Type: TAS	<u>TA: flexible PUF</u>	0	40,000	40,000	Feb. 92	4Q92 4Q93	Completed
GLO/FOA/06/TAS/17: Sector: Foam Type: TAS	<u>TA: rigid PUF</u>	0	60,000	60,000	Feb. 92	4Q92 4Q93	Completed
GLO/HAL/06/DEM/04: Sector: Halon Type: DEM	<u>Buy 40 H-1211 recycle machines</u>	0	250,000	250,000	Feb. 92	2Q93 3Q93	Completed

COMPLETED ACTIVITIES UNDER UNDP'S WORK PROGRAMME UNDER THE MONTREAL PROTOCOL
(as of 28 October 94)

Page: 10

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)
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GLO/HAL/06/TAS/10: <u>TA: halons</u> Sector: Halon Type: TAS		0	70,000	70,000	Feb. 92	4Q92 2Q94	Completed
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GLO/REF/06/TAS/07: <u>TA: refrigeration</u> Sector: Ref Type: TAS		0	90,000	90,000	Feb. 92	4Q92 3Q94	Completed
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GLO/SEV/06/TRA/13: <u>Participate: workshops/meetings</u> Sector: Sev Type: TRA		0	140,000	131,737	Feb. 92	4Q92 4Q94	Completed
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GLO/SOL/06/TAS/09: <u>TA: solvents</u> Sector: Solvent Type: TAS		0	50,000	50,000	Feb. 92	4Q92 3Q93	Completed
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UNEP
ON GOING ACTIVITIES

Country Sector	Project Title	ODS to be phase-out	Date of approval	Approved Funding	Time frame	Status of implementation
ALGERIA						
Several	Institutional Strengthening		Nov 1993	\$297,000	3 rd Q. 94- 2 nd Q. 96	Ongoing. Project document is signed and funds are being distributed according to budget.
ANTIGUA AND BARBUDA						
Several	Country programme preparation		Oct 1993	\$30,000	1994	Phase I completed. Phase II is expected to start mid-November 1994.
BAHAMAS						
Several	Country programme preparation		Oct 1993	\$40,000	1994	Phase I completed. Phase II is expected to start end-November 1994.
BAHRAIN						
	Country programme preparation		Mar 1994	\$50,000	1994-1995	Phase I is expected to start in November 1994. Delay due to slow response from Government.
BARBADOS						
Several	Country programme preparation		Mar 1993	\$30,000	1993-1994	Being submitted to the 15th ExCom meeting.
BENIN						
	Country programme preparation		July 94	\$35,000	1994-1995	Phase I is expected to start mid-November 1994. Consultant being identified.
BOTSWANA						
Several	Institutional Strengthening		Jul 1994	\$30,200	4 th Q. 94- 3 rd Q. 97	Project document under preparation. Institutional Strengthening activities in the country started 1st October 1994.
BURKINA FASO						
Several	Institutional Strengthening		Nov 1993	\$83,500	3 rd Q. 94- 2 nd Q. 97	Project document is finalized and awaiting signature of the country. Institutional Strengthening activities in the country started 1st July 1994.

Country Sector	Project Title	ODS to be phase- out	Date of approval	Approved Funding	Time frame	Status of implementation
Refrigeration	Training of repair technicians		Nov 1993	\$41,500	1994	Planned for 1st quarter 1995.
CAMEROON						
Several	Institutional Strengthening		Nov 1993	\$161,000	3 rd Q. 94- 2 nd Q. 97	Ongoing. Project document is signed and funds are being distributed according to budget. Institutional Strengthening activities in the country started 1st July 1994.
CENTRAL AFRICAN REPUBLIC	Country programme preparation		Mar 1994	\$50,000	1994	Phase I expected in November 1994. Delayed due to slow response of the Government. They are now ready to start.
COTE D'IVOIRE						
Several	Institutional Strengthening		Jul 1994	\$122,800	1995-1997	Revised project approved by 13th ExCom (July 94) Project document under preparation. Expected date to finalize document: 1st quarter 1995.
	Training for refrigeration and air-conditioning technicians		Jul 1994	\$76,000	1994-1995	Organization has been started. Scheduled for 1 st quarter 1995.
FIJI						
Several	Institutional Strengthening		Mar 1994	\$65,890	1995- 4 th Q. 97	Project document being finalized. Activities to start 1st January 1995. Delay in starting activities due to the late response from the country.
GAMBIA						
Several	Country programme preparation		Feb 1992	\$30,000	1992-1993	Phase I is expected to start in November 1994. Delayed due to slow response from the Government.

Country Sector	Project Title	ODS to be phase- out	Date of approval	Approved Funding	Time frame	Status of implementation
GHANA						
Refrigeration	Implementation of train the trainer programme and national demonstration programme		Jun 1993	\$99,000	4 th Q. 1993	Funds transferred to UNEP in June 1993. First two training courses completed in October 1993. Establishment of NRDC (National Refrigeration Demonstration Centre) is in process. Expected date of establishment 2nd quarter 1994.
GUATEMALA						
Several	Institutional Strengthening		Jun 1993	\$172,000	1 st Q. 95- 4 th Q. 97	Project document submitted for approval of UNEP project review committee. Activities to start 1st January 1995. Delay in starting activities due to late response from the country.
GUINEA						
	Country programme preparation		Nov 1993	\$40,000	1994	Phase I is expected to start in November 1994. Delayed due to identification of consultant. He is now identified.
HONDURAS						
Several	Country programme Preparation		Jul 1994	\$40,000	1994-1995	Phase I is expected to start 1st week of November 1994. Consultant being identified.
JAMAICA						
Several	Country programme preparation		Mar 1994	\$40,000	1994	Consultant being identified. Response from the Government awaited, but Phase I is expected to start end of November 1994.
KENYA						
Refrigeration	Support to a national workshop on refrigeration		Jun 1993	\$115,000	4 th Q. 1993	Funds transferred in June 1993 to UNEP. First two training courses completed in December 1993. Establishment of NRDC is delayed as the Government has not yet signed the agreement.
LEBANON						
Several	Country programme Preparation		Mar 1994	\$50,000	1994-1995	Phase I is expected to start in 4th quarter 1994. Commercial contract with the Government being finalized.

Country Sector	Project Title	ODS to be phase- out	Date of approval	Approved Funding	Time frame	Status of implementation
MALAWI Several	Institutional Strengthening		Mar 1994	\$77,000	3 rd Q. 94- 2 nd Q. 97	Project document signed by Government. Institutional Strengthening activities started in the country in 1st July 1994.
MALTA Several	Country programme preparation		Mar 1994	\$50,000	1994-	Phase I is expected in 4th quarter 1994. Consultant being identified.
MALDIVES Several	Institutional Strengthening		Mar 94	\$41,250	1 st Q. 95- 4 th Q. 97	Project document finalized and awaiting signature of the country. Activities to start in 1995. Delay due to late response from the country.
MAURITIUS Several	Institutional Strengthening		Jun 1993	\$50,000	4 th Q. 94- 3 rd Q. 97	Project document finalized and waiting for signature of the country. Activities to start in 4th quarter 1994.
MYANMAR Several	Country programme preparation		Mar 1994	\$50,000	1994-1995	Phase I completed. Phase II is expected to start in December 1994.
NICARAGUA Several	Country programme preparation		Jul 1994	\$40,000	1994-1995	Phase I is expected to start end- October 1994. Consultant being identified.
PAKISTAN Several	Country programme preparation		Mar 1993	\$60,000	1993-1995	Phase I visit completed Phase II will start in November 1994. Local consultant has been identified but final approval from the Minister not given.
PANAMA Several	Institutional Strengthening		Jun 1993	\$172,500	1995-1997	Project document finalized and approved by project review committee, but being reviewed by new administrator under the new Government.

Country Sector	Project Title	ODS to be phase- out	Date of approval	Approved Funding	Time frame	Status of implementation
PAPUA NEW GUINEA Several	Country Programme preparation		Jul 1994	\$ 40,000	1994-1995	Phase I is expected to start in November 1994. Consultant being identified.
PERU Several	Country Programme preparation		Nov 1993	\$50,000	1994-1995	Phase I is completed. Phase II is expected to start in November 1994.
PHILIPPINES Several	Information dissemination project		Nov 1993	\$200,000	1994-1995	Project document (Agreement with the Government) signed, funds transferred from UNEP to the Government.
SENEGAL Several	Institutional strengthening		Nov 1993	\$175,000	3 rd Q. 94- 2 nd Q. 97	Project document finalized and approved by Project Review Committee. Activities to start as scheduled in 2nd half 1994.
Refrigeration	Training and upgrading of repair technician training		Nov 1993	\$58,000	1994	Planned for first quarter 1995
SEYCHELLES Several	Institutional Strengthening		Jul 1994	\$31,900	1995-1997	Institutional Strengthening Project approved in 13th ExCom (July 1994) Activities to start 1st quarter 1995.
ST KITTS & NEVIS Several	Country programme preparation		Mar 1994	\$35,000	1994-1995	Phase I is completed. Phase II is expected to start end-November 1994.
ST LUCIA Several	Country programme preparation		Jul 1994	\$30,000	1994-1995	Phase I is expected to start in November 1994. Consultant being identified.
SUDAN Several	Institutional Strengthening		Mar 1994	\$168,300	1995-1997	Project document under finalization. Delays due to very difficult communication with the country.

Country Sector	Project Title	ODS to be phase- out	Date of approval	Approved Funding	Time frame	Status of implementation
SWAZILAND Several	Country programme preparation		Mar 1994	\$40,000	1994	Being submitted to the 15th ExCom meeting.
TANZANIA Several	Country programme preparation		Nov 1993	\$10,000	1994-1995	Country Programme started when country was not a Party. Phase I visit completed. Phase II to start in November 1994. Delayed due to slow response from the country on the data survey.
TOGO Several	Country programme preparation		Feb 1992	\$30,000	1992-1995	Phase I and Phase II visit completed. Difficulties in completing the activity due to political situation in the country. Completion date cannot be estimated.
UGANDA Several	Institutional Strengthening		Jul 1994	\$64,500	1 st Q. 95- 4 th Q. 97	Institutional Strengthening Project approved in 13th ExCom (July 1994). Project document under preparation. Activities to start 1st quarter of 1995.
VIETNAM Several	Country programme preparation		Jul 1994	\$60,000	1994-1995	Country Programme started when country was not a Party. Phase I completed. Phase II is expected in November 1994.
WESTERN SAMOA Several	Country programme preparation		Mar 1994	\$35,000	1994	Consultant being identified. Phase I is expected in December 1994.
ZAMBIA Several	Institutional Strengthening		Mar 1993	\$75,600	3 rd Q. 94- 2 nd Q. 97	Project document finalized and awaiting signature of the country. Activities started as scheduled 1st July 1994.

Country Sector	Project Title	ODS to be phase- out	Date of approval	Approved Funding	Time frame	Status of implementation
ZIMBABWE Several	Institutional Strengthening		Jul 1994	171,000	1995-1997	Institutional Strengthening project approved in 13th ExCom (July 1994). Project document under preparation. Activities to start 1st quarter of 1995.
REGION: Refrigeration	AFR Regional Training Course on chillers for French Speaking Africa		Jun 1993	\$48,000	1994	Funds transferred from UNDP in June 1993. Being transferred to 1st half of 1995. Cancelled in Algeria due to security problems in the region. Another country being identified.
Several	Support to regional network for ODS-officers Technical Assistance (ODSONET-AF)		Mar 1994	\$ 180,000	Mar 1995	Regional Network Coordinator under recruitment. First ODSONET/AF-E planned for March 1995.
REGION: Refrigeration	ASP Regional Training Course on chillers for East-Asia		Jun 1993	\$48,000	1994	Funds transferred from UNDP in June 1993. Re-scheduled for the 1st quarter of 1995 requested by the Government of India.
Refrigeration	Regional Training Course on chillers for South- Asia		Jun 1993	\$48,000	1994	Funds transferred from UNDP in June 1993. Training course will be held in Philippines in December 1994.

Country Sector	Project Title	ODS to be phase-out	Date of approval	Approved Funding	Time frame	Status of implementation
REGION:	LAC					
Several	Support to regional network for ODS Officers		Mar 1993	\$130,000	1993-1994	1st Workshop for South American countries (ODSONET/LA-S) held in May 1994. 1st Workshop for Central American countries (ODSONET/LA-C) to be held end of November in Guatemala.
	Technical assistance (ODSONET-LA-S)		Mar 1993	\$30,000		
	Support to regional network for ODS Officers		Mar 1994	\$224,000	Mar 1995	Follow-up meeting for ODSONET/LA-S scheduled for 21-22 November 1994 in Peru. ODSONET/LA-S workshop planned for March 1995, in Chile.
	Technical assistance (ODSONET-LA-C)					Follow-up meeting for ODSONET LA-C to be decided at the 1994 ODSONET/LA-C meeting.
REGION:	MID-EAST					
Refrigeration	Regional training Course on Chillers for Mid-East		Jun 1993	\$48,000	1994	Funds transferred from UNDP in June 1993. Training course will be held in Bahrain, in December 1994.
GLOBAL						
Halon	International halon bank clearing-house function		Mar 1993	\$100,000	1 year	Technical documents and information kit prepared and disseminated. Special supplement on Halon-OzonAction Newsletter published. Query response service on national halon bank being operated.
	Technical assistance					
Refrigeration	Preparation of training material for refrigeration sector		Mar 1993	\$160,000	1 year	Completion delayed until December 1994 due to detailed review process.
	technical assistance					
	Technical Directory of R+R equipment					

Country Sector	Project Title	ODS to be phase- out	Date of approval	Approved Funding	Time frame	Status of implementation
Several	Practical guide to Policy guidelines for Industry on Management of Phase-out in SMEs					Completed. Being published.
Several	Elements for establishing Policies; strategies and Institutional Framework for Ozone Layer Protection (for National Ozone Units/Focal Point)					Completed. Final review in process.
Several	Workshop for SMEs on management of phase-out (CSTMA)		Mar 1994	\$ 95,000	1994-1995	Planned in 1st quarter of 1995.
Several	Development of a training strategy		Mar 1993	\$100,000	2 years	Desk-Survey of experience to-date of UNDP, World Bank and UNEP has been initiated. Field survey delayed due to long time taken to collect data on completed training projects. Draft strategy expected to be ready by March/April 1995.
Several	Information Exchange Clearinghouse system Prepare information papers and case studies		Mar 1993 Mar 1994		2 years	Ongoing. (see details in the text) Ongoing. Several case study compiled in Solvent, Refrigeration, foam and aerosol sectors.
Several	Meeting of Consultants		Mar 1994		1 year	TOR finalized in consultation with MFS. Comments from implementing agencies invited. Expected to be held in March/April 1995.

Note: Phase I includes first visit to the country by the consultant, consultation with national team and conducting of the ODS survey.

Phase II includes analysis of ODS data, formulation of national strategy and action plan, identification and prioritization of specific projects and drafting of country programme report in consultation with national team.

Q - Quarter

UNEP

ACTIVITIES COMPLETED

Country Sector	Project Title	ODS to be phase-out	Date of approval	Approved Funding	Time frame	Status of implementation
ALGERIA						
Several	Country programme preparation		Mar 1993	\$15,000	Mar-Jun 1993	Completed. Approved by the 11th ExCom meeting
BOTSWANA						
Several	Country programme preparation		Feb 1992	\$40,000	1992-1994	Completed. Approved by the 13th ExCom meeting.
BURKINA FASO						
Several	Country programme preparation		Feb 1992	\$30,000	1992-1993	Completed. Approved by the 11th ExCom meeting.
	Workshop on Monitoring and Control of ODS consumption		Nov 1993	\$14,500	1994	Completed. Workshop held in Ouagadougou, in October 1994. 4 neighbouring countries attended.
CAMEROON						
Several	Country programme preparation		Feb 1992	\$30,000	1992-June 1993	Completed. Approved by the 10th ExCom meeting.
	Workshops on Monitoring and Control of ODS consumption		Jun 1993	\$20,200	1993-1994	Completed. Workshop held in Douala, in August 1994. 3 neighbouring countries participated
COTE D'IVOIRE						
Several	Country programme preparation		Nov 1993	\$10,000	1994	Completed. Approved by the 12th ExCom meeting.
FIJI						
Several	Country programme preparation		June 1991	\$25,000	1991-June 1992	Completed. Approved by the 10th ExCom meeting.
GHANA						
Several	Country programme preparation		Jun 1991	\$25,000	1991-1992	Completed. Approved by the 8th ExCom meeting
GUATEMALA						
Several	Country programme preparation		Feb 1992	\$30,000	1992-1993	Completed. Approved by the 10th ExCom meeting.
MALAWI						
Several	Country Programme preparation		Feb 1992	\$30,000	1992-1993	Completed. Approved by the 12th ExCom meeting.

Country Sector	Project Title	ODS to be phase-out	Date of approval	Approved Funding	Time frame	Status of implementation
MALDIVES						
Several	Country Programme preparation		Jun 1991	\$25,000	1991-1992	Completed. Approved by the 10th ExCom meeting
MAURITIUS						
Several	Country Programme preparation		Mar 1993	\$10,000	Mar 1993-June 1993	Country Programme started when country was Non-Party. Completed. Approved by the 10th ExCom meeting
PANAMA						
Several	Country programme preparation		Feb 1992	\$30,000	1992-June 1993	Completed. Approved by the 10th ExCom meeting.
SENEGAL						
Several	Country programme preparation		Nov 1993	\$10,000	1994	Country Programme started when country was non-party. Completed. Approved by the 11th ExCom meeting.
	Workshop on Monitoring and Control of ODS consumption		Nov 1993	\$26,000	1994	Completed. Held in Dakar on 24-27 October 1994. 4 neighbouring countries participated.
SEYCHELLES						
Several	Country Programme preparation		Oct 1993	\$30,000	1993-1994	Completed. Approved by the 13th ExCom meeting.
SUDAN						
Several	Country Programme preparation		Nov 1993	\$10,000	Nov'93 - Mar'94	Country programme started when country was non-party. Completed. Approved by the 12th Excom meeting.
SYRIA						
Several	Country programme preparation		Jun 1991	\$25,000	1991-1992	Country Programme completed. Approved at the 11th ExCom meeting.
UGANDA						
Several	Country Programme preparation		Jun 1991	\$25,000	1991-1994	Completed. Approved at the 13th ExCom meeting.

Country Sector	Project Title	ODS to be phase-out	Date of approval	Approved Funding	Time frame	Status of implementation
ZAMBIA						
Several	Country Programme preparation		Jun 1991	\$25,000	1991-1992	Completed. Approved by the 8th ExCom meeting
ZIMBABWE						
Several	Country Programme preparation		Mar 1993	\$40,000	1993-1994	Completed. Approved by the 13th ExCom meeting.
REGION:	AFR					
Several	Regional Workshop on the implementation of the Montreal Protocol for African region		Feb 1992	\$210,000	Dec 1992	Completed. Workshop held in Nairobi, Kenya (Dec 1992).
Refrigeration	Regional training course on refrigeration for Africa		Feb 1992	\$90,000	Dec 1992	Completed. Training Course was held in Nairobi, Kenya for 11 countries from Africa (Dec 1992).
Refrigeration	Regional Training Course on Chillers/Refrigerant Management plan for English Speaking Africa		Jun 1993	\$48,000	1994	Completed. Training Course held in Zambia, in September 1994
Several	Regional Workshop on practical implementation of the Montreal Protocol - Industry perspective		Nov 1993	Bilateral Cooperation	Aug 1994	Completed. Workshop held in Swaziland in Co-operation with South Africa. 15 countries attended. Practical case studies presented along with field visit.
REGION:	ASP					
Several	Regional Workshop on the Implementation of the Montreal Protocol for the Asia-Pacific region		Jun 1991	\$217,000	Nov 1991	Completed. Workshop held in Jomtien, Thailand (Nov 91).
Refrigeration	Regional Workshop on Refrigeration and Air-Conditioning Training Programmes for SouthEast Asia/Pacific		Mar 1993	\$90,000	April 1994	Completed. Workshop held in Jakarta, 12-15 April in cooperation with Australia.
Halon	Regional Halon Workshop, organized by Malaysia for Southeast Asian Countries		Mar 1993	\$80,000	January 1994	Completed. Workshop held in Kuala Lumpur, Malaysia, 18-20 January 1994. 10 countries attended.

Country Sector	Project Title	ODS to be phase-out	Date of approval	Approved Funding	Time frame	Status of implementation
Several	1994 ODSINET/SEAP meeting part of activities under the Network in ODS offices in South East Asia/Pacific					Workshop held in Hanoi 23-27 August 1994
REGION:	LAC					
Several	Regional workshop on the Implementation of the Montreal Protocol for Latin America and the Caribbean		Jun 1991	\$217,000	May 1992	Completed. Workshop held in Caracas, Venezuela (May 1992).
	1994 ODSINET/LA-S workshop part of activities under the Network for ODS offices in South America					Workshop held in Montevideo in May 1994 ODSINET/LA-S Bulletins issued on 15 August and 15 October
REGION:	MID-EAST					
Aerosol	Aerosol Conversion Training Course		Mar 1993	\$90,000	1st quarter 1994	Completed. Training Course held in March 1994. 11 countries attended.
REGION:	ARABIC SPEAKING COUNTRIES					
Several	Regional workshop on the Implementation of the Montreal Protocol for Arabic speaking countries		Jun 1991	\$217,000	Dec 1991	Completed. Workshop held in Cairo, Egypt (Dec 91).
GLOBAL						
Aerosol	Conversion technology manual/handbook		Mar 1993	\$40,000	1 year	Completed in mid-1994.

Country Sector	Project Title	ODS to be phase-out	Date of approval	Approved Funding	Time frame	Status of implementation
Halon	International halon bank clearing-house function		Mar 1993	\$100,000	1 year	Information kit prepared and disseminated. Special supplement on Halon-OzonAction Newsletter published. Query response service on national halon bank being operated. Various technical documents being prepared. Developing Countries Halon Bank Managers being supported to attend Halon-Workshops.
Refrigeration	Preparation of training material for refrigeration sector		Mar 1993	\$160,000	1 year	Completed.
	Manual/Guidelines on Good practices					
Refrigeration	Training Manual on Chillers and Refrigerant Management					Completed in September 1994.
Several	Ozonaction Newsletter		Mar 1993	\$130,000	1 year	11th and 12th issue published along with Special supplement on Non-Fluorocarbon alternatives for Refrigeration and Air Conditioning published 5 languages (E, F, S, A, Ch).
Several	Support to other national training activities		Mar 1993	\$50,000	N/A	Completed. Participants from developing countries supported for training/workshops.

Sector	Project Title	Date of approval	Approved Funding	Time Frame	Status of implementation
Several	Information Exchange Clearinghouse system	Mar 1993 Mar 1994	\$705,000 \$1,105,000	2 Years	See details below
	Catalogue of Technologies for protecting the Ozone Layer: Aerosol, Sterilants, Miscellaneous Uses & CFC Sector				Completed & published. Being disseminated.
	Catalogue of Technologies for protecting the Ozone Layer: Flexible & Rigid Foam Sector				Quality review completed & published. Being disseminated.
	Catalogue of Technologies for protecting the Ozone Layer: Refrigeration, Air-Conditioning & Heat Pumps Sector				Quality review completed & published. Being disseminated
	Catalogue of Technologies for protecting the Ozone Layer: Specialized Solvent uses				Completed, published and being disseminated.
	Prepare information papers and case studies				2 information papers updated + disseminated; 3 information papers developed and disseminated.
	Case-Studies				Several case-studies completed. Ongoing.
	OzonAction Library Activities Document Repository, acquisition				More than 800 references abstracted to date, about 430 new technical and policy documents/papers acquired.
	OAIC Diskette Version				Disseminated remaining 200 copies of OAIC-DV version 1.0 to developing countries; completed software modifications to OAIC-DV version 2.0.
	On-line OAIC System Maintenance				Message centres monitors and basic system maintenance performed
	Quality review of technology catalogues				Completed quality review of remaining catalogues (foam and refrigeration)
	Continue direct Query Response Service				Researched and responded to technical and policy queries (1836).

Sector	Project Title	Date of approval	Approved Funding	Time Frame	Status of implementation
	International recycled halon bank management information clearinghouse				Researched and responded to technical and policy queries; responded to halon availability queries; provided back quantities of halon bank publications and supported developing countries participation in halons alternatives conference.
	Publication dissemination				Over 26 000 technical brochures and 5 000 halon information kits disseminated at conferences. 1 000 halon information kits were reprinted due to additional request.
	Outreach activities				Publication disseminated, data collected during conferences/workshops through exhibition booths. (conferences in Stockholm, Hannover, Zurich, New Delhi, Nairobi and Paris)
	Translate Technical Brochures (Arabic and Chinese)	Mar 1994		1 year	Expected to start in Aug 1994

Note: Phase I includes first visit to the country by the consultant, consultation with national team and conducting of the ODS survey. Phase II includes analysis of ODS data, formulation of national strategy and action plan, identification and prioritization of specific projects and drafting of country programme report in consultation with national team.

County/Region Project title		Type of project	Date of approval	Funds allocated	Expenditure	Planned Commitment	Savings deficit	Date of completion	Remarks
<u>I. COMPLETED PROJECTS</u>									
ALGERIA Preparation of investment projects in the manufacture of domestic refrigerators and freezers in 3 plants, at ENAD	MP/ALG/94/406	PRP	March 1994	25,000.00	20,403.00		4,597.00		Completed
ARGENTINA Preparation of investment projects in the foam sector	MP/ARG/94/010	PRP	Nov. 1993	35,000.00	41,279.00		(6,279.00)		Completed
CAMEROON Preparation of investment project for phase-out of CFC at FAEM	MP/CMR/94/018	PRP	Nov. 1993	20,000.00	10,623.00		9,377.00		Completed
EGYPT Development of a strategy in refrigeration and foam sectors	MP/EGY/93/094 MP/EGY/93/121	TAS	March 1993	100,000.00	94,836.00		5,164.00		Completed
Elimination of CPC-12 in the manufacture of extruded polystyrene foam in Advance Chemical Engineering systems (Advechems)	MP/EGY/93/138	INV	June 1993	904,000.00	646,179.00	257,821.00			Completed (including incremental costs)
INDIA Project formulation for the conversion of electronic cleaning processes from CFC-113/alcohol blended and I,I,I trichloroethane to non-CFC cleaning	MP/IND/93/162	PRP	June 1993	74,000.00	7,120.00		66,880.00		Completed
IRAN, ISLAMIC REPUBLIC OF Preparation of investment projects		PRP	March 1993	50,000.00	62,953.00		(12,953.00)		Completed
JORDAN Preparation of investment projects for phasing-out CFC in the refrigeration sector	MP/JOR/93/142	PRP	June 1993	90,000.00	76,352.00		13,648.00		Completed

County/Region Project title		Type of project	Date of approval	Funds allocated	Expenditure	Planned Commitment	Savings deficit	Date of completion	Remarks
SYRIAN ARAB REPUBLIC									
Preparation of investment projects	MP/SYR/93/118	PRP	March 1993	35,000.00	31,605.00		3,395.00		Completed
	SUB TOTAL			1,333,000.00	991,350.00	257,821.00	83,829.00		
II. ONGOING PROJECTS									
ALGERIA									
Preparation of investment projects to phase-out CFC-11 and 14 in the manufacture of aerosols and CFC-113 in the manufacture of razor blades, in ENAD	MP/ALG/94/409	PRP	March 1994	25,000.00	0.00	25,000.00			Project to be formulated by the end of the year
ARGENTINA									
Investment Project for phasing -out of ODS at BANDEX S.A.	MP/ARG/94/410	INV	July 1994	517,630.00	0.00	517,630.00			
Investment Project for phasing-out ODS at Celpack S. A.	MP/ARG/94/413	INV	July 1994	503,094.00	0.00	503,094.00			
BRAZIL									
Preparation of investment projects	MP/BRA/93/095	PRP	March 1993	150,000.00	64,691.00	85,309.00			
CAMEROON									
Investment project for phasing-out CFCs at FAEM S.A.	MP/CMR/94/411	INV	July 1994	1,935,860.00	400.00	1,935,460.00			
CHINA									
Preparation of investment projects	MP/CPR/93/107 MP/CPR/94/404 MP/CPR/94/405	PRP	March 1993	150,000.00	117,594.00	32,406.00			
EGYPT									
Institutional strengthening unit for the Montreal Protocol related activities	MP/EGY/93/149	INS	June 1993	263,450.00	102,082.00	161,368.00			
Preparation of investment projects on ODS phase-out for four additional refrigerator manufacturers	MP/EGY/94/414	PRP	July 1994	15,000.00	14,720.00	280.00			

County/Region Project title		Type of project	Date of approval	Funds allocated	Expenditure	Planned Commitment	Savings deficit	Date of completion	Remarks
Phasing out ODS at the Electrostar Refrigeration Co.	MP/EGY/94/415	INV	July 1994	1,450,585.00	0.00	1,450,585.00			
Phasing-out ODS at the Refrigerator Plants of Delta Industrial Co.	MP/EGY/94/417	INV	July 1994	2,611,986.00	0.00	2,611,986.00			
Phasing-out ODS at the Kiriazi Refrigerators Manufacturing Co.	MP/EGY/94/416	INV	July 1994	1,643,040.00	0.00	1,643,040.00			
INDIA									
Feasibility study for the recovery and recycling of CFC refrigerants	MP/IND/93/163	TAS	June 1993	55,000.00	12,000.00	43,000.00			
Project formulation for phasing-out ODS in the unorganized sector	MP/IND/93/164	PRP	June 1993	55,000.00	9,396.00	45,604.00			
Conversion of Electronic Cleaning Processes from ODS Solvents to Aqueous Cleaning at ITI Mankapur	No PAD	INV	July 1994	610,160.00	0.00	610,160.00			
IRAN, ISLAMIC REPUBLIC OF									
Conversion of domestic refrigerator production facilities to phase-out CFC-11 and CFC-12 at Arj, Azmayesh Bahman, Iran Poya and Pars Appliances	MP/IRA/94/403	INV	Nov. 1993	3,228,395.00	1,159.00	3,227,236.00			
JORDAN									
Phasing out ODS at the National Refrigeration Co.	MP/JOR/94/419	INV	July 1994	813,887.00	0.00	813,887.00			
Phasing-out ODS at the Middle East Electronical Industries Co.Ltd.	MP/JOR/94/418	INV	July 1994	883,153.00	0.00	883,153.00			
Phasing-out ODS at the Household Appliances Manufacturing Co.Ltd.	MP/JOR/94/420	INV	July 1994	775,602.00	0.00	775,602.00			
KENYA									
CFC phase-out at Kenya Cold Storage Ltd. industries and services Refrigeration for Engineering Ltd.	MP/KEN/94/401	INV	Nov. 1993	380,875.00	25,275.00	355,600.00			

County/Region Project title		Type of project	Date of approval	Funds allocated	Expenditure	Planned Commitment	Savings deficit	Date of completion	Remarks
NIGERIA CFC phase-out strategy for refrigeration and air conditioning	MP/NIR/94/408	TAS	Nov. 1993	100,000.00	0.00	100,000.00			
PAKISTAN Strategy to phase-out ODS in the refrigeration industry	No PAD	TAS	March 1994	50,000.00	0.00	50,000.00			
ROMANIA Country programme preparation	No PAD	CPG	Nov. 1993	80,000.00	0.00	80,000.00			
SYRIAN ARAB REPUBLIC Strengthening the General Commission for Environmental Affairs to implement Montreal Protocol related activities	MP/SYR/93/148	INS	June 1993	235,180.00	39,368.00	195,812.00			
Investment project for phasing-out of CFCs at Al-Hafez Refrigerator Co.	MP/SYR/94/412	INV	July 1994	2,883,277.00	400.00	2,882,877.00			
GLOBAL Strategy for the phasing-out of ODS in low ODS-consuming countries	MP/GLO/94/407	TAS	Nov. 1993	100,000.00	11,985.00	88,015.00			
Joint action with UNEP in CPG exercises with emphasis on industrial action to be taken	No PAD	TAS	March 1994	75,000.00	0.00	75,000.00			
SUB TOTAL				19,591,174.00	399,070.00	19,192,104.00	0.00		
TOTAL				20,924,174.00	1,390,420.00	19,449,925.00	83,829.00		
Administration Support Costs		13%		2,720,142.62	180,754.60	2,528,490.25	10,897.77		
GRAND TOTAL				23,644,316.62	1,571,174.60	21,978,415.25	94,726.77		

**STATUS AND PROGRESS REPORT
ON WORLD BANK
IMPLEMENTED ACTIVITIES**

**BANK-IMPLEMENTED
MONTREAL PROTOCOL**

Global Environment Coordination Division, Environment Department

The World Bank



Montreal Protocol

Region/Country	Project Activity Description	Activity 1/	Project Type 2/	ODS to be Phased Out 3/	ODS Phased Out to Date 3/	Date of EC Approval
Sector	Sub-project Description					
Africa						
Nigeria						
	CY94 Plan - Country Program	Work Program		--	--	03/94
	CY94 Plan - ODS I Project Preparation	Work Program		--	--	03/94
East Asia and the Pacific						
China						
	CY94 Plan - ODS I Project Preparation	Work Program		--	--	03/94
	CY94 Plan - ODS II Project Preparation	Work Program		--	--	03/94
	CY94 Plan - ODS III Project Preparation	Work Program		--	--	03/94
ODS Project I		Investment	Main Project	14000	--	06/92
Halon	Beijing ABC powder production project		Sub-project	400		06/92
Aerosol	Shanghai CFC conversion to LPG propellant		Sub-project	6300		06/92
Agency Fee	TA/Agency Fee		Sub-project			06/92
Aerosol	Tianjin CFC conversion to LPG propellant		Sub-project	6300		06/92
Foam	Zhejiang foam plant conversion to butane		Sub-project	500		06/92
Halon	Zhejiang halon extinguisher conversion		Sub-project	500		06/92
	zzz (Of which PPA I for ODS I)					06/92

1/ Activity: Investment Project or Work Program activity

2/ Project Type: Main Project, Sub Project, or Pre-investment

3/ metric tons

Ozone Project Portfolio

Approved Funding	Disbursements	Expected Date of Completion	Status of Implementation
150,000	6,578	12/95	In a July 1994 mission, the Bank agreed with the Federal Environmental Protection Agency (FEPA) to again request proposals for preparation of the Country Program for the Phaseout of Ozone Depleting Substances. The schedule agreed to would involve finalizing a contract by early 1995 and completing the Country Program by June 1995. The expected date of completion is therefore amended to 06/95.
100,000		12/95	Project preparation has not been initiated and is pending the completion of the country program. Expected date of completion is therefore amended to 12/95.
79,000	32,260	12/94	
110,000	154,310	12/94	
660,000	334,286	12/94	
6,925,000	720,000	12/95	Subproject implementation underway.
930,000			Technology training scheduled for December 1994. Equipment to be shipped in Feb 1994. Final testing scheduled for completion in April 1995.
2,309,000			Bidding complete contracts under negotiation.
93,000			Subproject appraisal reports completed and cleared by the Bank. Government coordinated Bank supervision missions and assisted enterprises secure technical consultants to prepare and evaluate bidding documents. Semi-annual report received.
2,770,000			Bidding complete contract under negotiation.
993,000			Plant layout reorganized for flammable substance application (includes US\$ 20,000 for technical supervision/assistance).
730,000			Technology investigation tour complete.
-900,000			

Montreal Protocol

Region/Country	Project Activity Description		Activity 1/	Project Type 2/	ODS to be Phased Out 3/	ODS Phased Out to Date 3/	Date of EC Approval
Sector	Sub-project Description						
ODS Project II - 50% CFC Foam			Investment	Main Project	400	--	06/93
Foam	Chengde			Sub-project	30		06/93
Foam	Contingency			Sub-project			06/93
Foam	Dalian conversion			Sub-project	14		06/93
Agency Fee	Financial Agency Fee			Sub-project			06/93
Foam	Henan Xinfai conversion			Sub-project	100		06/93
Foam	Liming Research Institute			Sub-project			06/93
Foam	Qindao Haier conversion			Sub-project	60		06/93
Foam	Shangling conversion			Sub-project	100		06/93
Foam	Shenyang Production of Polyol			Sub-project			06/93
Foam	Shuangyan conversion			Sub-project	30		06/93
Agency Support	Technical Assistance			Sub-project			06/93
Foam	Tianjin conversion			Sub-project	31		06/93
Foam	Wuxi Production of Polyol			Sub-project			06/93
	zzz (Of which PPA I for ODS II)						06/93
ODS Project III			Investment	Main Project	4860	--	
Refrigeration	Chang Ling			Sub-project	70		07/94
Refrigeration	Hua Yi Electrical			Sub-project	60		07/94
Foam	Shanghai #18			Sub-project	200		07/94
Foam	Shanghai #6			Sub-project	105		07/94
Refrigeration	Shanghai Compressor			Sub-project	100		07/94
Refrigeration	Shanghai Shangling			Sub-project	108		07/94
Refrigeration	Shanghai Shanglu			Sub-project	70		07/94
Halon	Tongxiang			Sub-project			07/94
Refrigeration	Wanabo Electrical			Sub-project	80		07/94
Aerosol	Zhongshan Fine			Sub-project	4067		07/94
PPA I for ODS I and ODS II			Investment	Pre-investment	--	--	06/92
PPA II for ODS III			Investment	Pre-investment	--	--	10/92
PPA III for ODS III			Investment	Pre-investment	--	--	02/93

1/ Activity: Investment Project or Work Program activity

2/ Project Type: Main Project, Sub Project, or Pre-investment

3/ metric tons

Ozone Project Portfolio

Approved Funding	Disbursements	Expected Date of Completion	Status of Implementation
4,865,000	400,000	12/95	The Grant Agreement became effective August 31, 1994. Subproject implementation was initiated prior to effectiveness using PPA I resources.
163,000			There is no imported equipment for this project. Bidding for domestic equipment is complete and disbursements will soon be requested.
674,000			
275,000			Bidding for domestic equipment complete. For imported equipment bidding has been initiated.
58,000			The FA completed appraisal reports for all subprojects and all have been cleared by the Bank. Disbursements have begun. The first semi-annual progress report was received by the Bank on October 10.
1,042,000			Two of four contracts for imported equipment have been signed. The remaining two are being negotiated.
457,000			Retroactive financing is being requested for domestic expenditures. Bidding process for imported equipment is underway.
476,000			Contracts for imported equipment have been signed and letters of credit obtained. The enterprise is finalizing the required import documents.
958,000			Bidding for imported equipment is complete. Contracts are being negotiated.
152,000			Contracts for the imported equipment have been signed and letters of credit obtained. Down payments have been made for domestic equipment.
485,000			Bidding complete for imported equipment. Contracts will be signed soon.
61,000			CIB carried out an ODS project training workshop for the staff of its branch offices. The workshop was attended by NEPA officials.
400,000			The enterprise has revised its project proposal from 50% reduction to a complete CFC phaseout using approved funds. Butane will be used to replace CFC-11. The revised proposal has been submitted by the Bank to the OORG technical reviewer for clearance.
264,000			Bidding process for imported equipment complete. Contract is being negotiated.
-600,000			
10,524,000		12/94	Negotiations for this third project are to be initiated soon.
853,000			
1,368,000			
450,000			
687,000			
1,280,000			
1,327,000			
1,010,000			
838,000			
1,360,000			
1,351,000			
1,500,000	358,000	12/94	In progress see ODS I and ODS II subprojects for details of implementation. \$0.9M has been assigned to ODS I while \$0.6 has been assigned to ODS II.
300,000	200,060	12/94	Following technology investigation tours and negotiations with potential technology suppliers, six project proposals and an overall sector strategy have been completed. These proposals are being submitted for consideration by the EC at its 15th meeting.
320,000	80,000	12/94	July foam workshop resulted in six additional proposals. Sector strategies for all sectors complete and following government and implementing agency review will be submitted to EC at its 15th meeting on an informational basis.

Montreal Protocol

Region/Country	Project Activity Description	Sector	Sub-project Description	Activity 1/	Project Type 2/	ODS to be Phased Out 3/	ODS Phased Out to Date 3/	Date of EC Approval
Indonesia								
	CY94 Plan - ODS I Project Preparation			Work Program		--	--	03/94
	CY94 Plan - ODS II Project Preparation			Work Program		--	--	03/94
	ODS Project I			Investment	Main Project	737	--	11/93
	Foam	Association of Polyurethane Foams Indonesia Technical Assistance Program			Sub-project	100		11/93
		FA/TA			Sub-project			03/94
	Aerosol	Indonesian Ministry of Industry and Ministry of Environment (TA Aerosol)			Sub-project			11/93
	Foam	Intitri Muliatama Phaseout of CFC in PS/PE Foam Production			Sub-project	120		11/93
	Foam	P.T. Dasu Windu Agung CFC-11 elimination in foam manufacturing			Sub-project	122		11/93
	Foam	P.T. Erlangga			Sub-project	100		07/94
	Foam	P.T. Royal Abadi			Sub-project	120		07/94
	Foam	P.T.Foamindo CFC-11 elimination in foam manufacturing			Sub-project	80		11/93
	Foam	P.T.Tulus Bakti Sempurna CFC elimination in PS/PE foam manufacturing			Sub-project	95		11/93
	Project Preparation Advance			Investment	Pre-investment	--	--	03/93
Malaysia								
	CY94 Plan - Country Program			Work Program		--	--	03/94
	CY94 Plan - ODS I Project Supervision			Work Program		--	--	03/94
	CY94 Plan - ODS II Project Preparation			Work Program		--	--	03/94
	ODS Project I			Investment	Main Project	670	--	02/92
	Refrigeration	Conservation, leakage control and recycling of CFC-12 and demonstration project in MAC sector			Sub-project	370		02/92
	Halon	Servicing, maintenance and recovery of portable extinguishers (Halon-1211) and training programme			Sub-project	300		02/92
Philippines								
	Controlled Substances Engineering Project			Investment	Pre-investment	--	--	06/91
	CY94 Plan - ODS I Project Preparation and Supervision			Work Program		--	--	03/94

1/ Activity: Investment Project or Work Program activity
2/ Project Type: Main Project, Sub Project, or Pre-investment
3/ metric tons

Ozone Project Portfolio

Approved Funding	Disbursements	Expected Date of Completion	Status of Implementation
128,899	142,618	12/94	Project preparation and processing complete.
167,312	9,429	12/94	
5,216,500		12/95	RVP approved Grant Agreement for signature on Oct 25, 1994. Signing is expected soon.
1,600,000			Project modified within approved funding levels to include vacuum cooling equipment needed to prevent scorching of low density foams.
50,000			
238,000			
387,000			Original technology supplier unable to supply technology. Firm is working with Bank consultant to identify new technology supplier.
1,733,000			Project being revised within approved funding level to include new substitute technology. Project must be cleared by OORG technical reviewer prior to implementation.
379,000			
237,500			
176,000			Project modified within approved funding levels to include vacuum cooling equipment needed to prevent scorching of low density foams.
416,000			
250,000	250,000	12/94	14 subproject proposals prepared. PPA I will be complete as soon as household refrigerator proposal modifications are complete and proposals are ready for submission to the EC.
25,000		12/94	Contract has been allocated. Activity underway.
35,815	49,860	12/94	Project supervision is ongoing.
66,610	34,959	12/94	Project preparation ongoing.
1,630,000	200,000	12/95	Subprojects implementation has begun.
910,000			Bids for MAC recycle equipment received and evaluation complete. Selection of sites underway.
720,000			Bids for halon recycle equipment received and under evaluation. USEPA has scheduled recycle equipment training for October 1994. Sites for recycle units have been selected.
400,000	393,675	12/94	Project completed.
136,027	27,325	12/94	Ongoing.

Montreal Protocol

Region/Country	Project Activity Description		Project Type 2/	ODS to be Phased Out 3/	ODS Phased Out to Date 3/	Date of EC Approval	
	Sector	Sub-project Description	Activity 1/				
	CY94 Plan - ODS II Project Preparation		Work Program	--	--	03/94	
	ODS Project I		Investment	Main Project	724	45	03/93
	Foam	Application of a reduced CFC blowing agent and non-CFC application preparation at Concepcion Industries		Sub-project	35		03/93
	Foam	Application of a reduced CFC blowing agent and non-CFC application preparation at Federal Electric Company		Sub-project	5		03/93
	Foam	Application of a reduced CFC blowing agent and non-CFC application preparation at Philippines Appliance Corporation (Philacor)		Sub-project	120		03/93
	Foam	Application of a reduced CFC blowing agent and non-CFC application preparation at Sanyo Philippines		Sub-project	9		03/93
	Other	Conversion of tobacco fluffing process to carbon dioxide at Fortune Tobacco Corporation		Sub-project	350		03/93
	Solvent	Conversion to high-purity water cleaning at Integrated Microelectronics, Inc.		Sub-project	14 & 2		03/93
	Solvent	Conversion to low-emission processing and organic solvents at Electronic Assemblies,		Sub-project	4		03/93
	Solvent	Conversion to low-emission processing and organic solvents at Pacific Semiconductors, Inc.		Sub-project	11		03/93
	Solvent	Conversion to semi-aqueous and aqueous cleaning solvents at Ionics Circuits, Inc.		Sub-project	102 & 73		03/93
	Solvent	Conversion to semi-aqueous cleaning solvents at Solid Circuits, Inc.		Sub-project	3		03/93
	Agency Support	Institutional strengthening for Ozone Desk Operations					03/93
	Agency Support	Technical assistance for the financial institution					03/93
Thailand							
	Controlled Substances Engineering Project		Investment	Pre-investment	--	--	06/91
	CY94 Plan - ODS I Project Preparation		Work Program		--	--	03/94
	CY94 Plan - ODS II Project Preparation		Work Program		--	--	03/94

1/ Activity: Investment Project or Work Program activity

2/ Project Type: Main Project, Sub Project, or Pre-investment

3/ metric tons

Ozone Project Portfolio

Approved Funding	Disbursements	Expected Date of Completion	Status of Implementation
94,900		12/94	
11,729,000		12/96	Grant agreement signed on October 6, 1994. Bank endorsement of the OPG is required for effectiveness. A revised OPG was received October 12, 1994 and is being reviewed by Bank staff.
790,000			Reduction of 35 MT/year complete through adoption of 52% CFC foam. Thermal efficiency down 8%.
770,000			Reduction of 5 MT/year complete through adoption of 50% CFC foam. Thermal efficiency down 2%.
1,770,000			Commercial production with 50% reduced CFC-11 not yet successful. Philacor to move to HCFC-141b in 1997.
660,000			Reduction of 5 MT/year complete through adoption of 52% CFC foam.
4,720,000			Negotiations with the technology supplier have been successfully concluded and the contract is being drawn up. No tender was necessary as the technology is proprietary.
430,000			
710,000			
710,000			
790,000			
70,000			
209,000			
100,000			
390,000	389,960	12/94	Completed.
129,433	138,560	12/94	Umbrella Grant Agreement signed.
81,302	13,240	12/94	Subproject preparation underway. Funds will be channeled through Umbrella Grant agreement already in place.

Montreal Protocol

Region/Country	Project Activity Description			ODS to be Phased Out 3/	ODS Phased Out to Date 3/	Date of EC Approval
Sector	Sub-project Description	Activity 1/	Project Type 2/			
ODS Project I		Investment	Main Project	738	55	06/93
Refrigeration	CFC recycling in MAC		Sub-project	250		06/92
Solvent	CI Group		Sub-project	127		06/93
Solvent	GSS Array		Sub-project	21		06/93
Solvent	Hana Semiconductor		Sub-project	19 & 16		06/93
Refrigeration	Hitachi -- Phase I		Sub-project			06/93
Refrigeration	Kang Yong -- Mitsubishi Phase I		Sub-project			06/93
Refrigeration	Kulthorn Kirby		Sub-project			06/93
MAC	Nippondenso		Sub-project	85		07/94
Solvent	Saha Union		Sub-project	34		06/93
Refrigeration	Sanyo Universal - Compressor		Sub-project			06/93
Refrigeration	Sanyo Universal -- 2 sites, Phase I.		Sub-project			06/93
Solvents	Teamtronics		Sub-project	15		07/94
Foam	Technic Foam		Sub-project	50		06/93
Solvent	Thai Heat Exchanger		Sub-project	111		06/93
Refrigeration	Thai Toshiba Phase I		Sub-project			06/93
Solvent	Thai-Airways non-ODS metal cleaning		Sub-project	10		06/92

Europe and Central Asia

Slovenia

CY94 Plan - Country Program	Work Program	--	--	03/94
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CY94 Plan - ODS I Project Preparation	Work Program	--	--	03/94
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Turkey

CY94 Plan - ODS I Project Preparation	Work Program	--	--	03/94
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CY94 Plan - Project Preparation	Pre-investment	--	--	07/94
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1/ Activity: Investment Project or Work Program activity
 2/ Project Type: Main Project, Sub Project, or Pre-investment
 3/ metric tons

Ozone Project Portfolio

Approved Funding	Disbursements	Expected Date of Completion	Status of Implementation
11,977,000		12/95	Grant agreement signed August 5, 1994. A Bank mission is in the field working with the government to finalize the subsidiary agreements required for grant effectiveness.
900,000			
280,000			CI Group considering reformulating project to adopt "no clean" instead of aqueous technology as proposed in approved project.
320,000			Project implementation complete. Retroactive financing will be sought.
1,000,000			Project implementation underway. Special attention being given to adequate water treatment.
550,000			Refrigeration circuit conversion to 134a delayed as Kulbourn Kirby compressors not yet available. Implementation of some project components underway.
1,100,000			Project implementation underway. Financing will be requested retroactively.
680,000			Phase I largely implemented. Financing will be sought retroactively. Life tests being re-done due to defects in first batch. Compressor quality yet to meet local standards. Phase II proposal under preparation.
142,000			
2,573,000			Project implementation complete. Financing will be provided retroactively.
1,000,000			Project implementation near completion. Financing will be requested retroactively.
1,890,000			Project will likely be combined with Phase II under one subgrant agreement given that Phase I activities yet to be implemented.
222,000			
180,000			Firm reluctant to implement project due to high post-project operating costs. Firm may wait until government requires phase-out so that competitors will adopt higher priced blowing agent at the same time (141b).
270,000			Project enterprise changed location. Project being revised for new plant location.
830,000			Some project activities underway, but most of Phase I yet to be implemented.
100,000			Project funds were used to prepare a detailed feasibility study and project proposal. The proposal is complete and will be submitted to the 15th meeting of the EC. The remaining \$60,000 will be put towards implementation of the project.
50,000	50,000	12/94	Slovenia's Country Program was completed earlier this year but was not considered at the 13th Meeting of the Executive Committee given the uncertainty of its classification as an Article 5 country (i.e. eligible for assistance from the Multilateral Fund). This issue was resolved last September when the Ozone Secretariat informed the Government of Slovenia that, based on its ODS consumption data, it qualified as an Article 5 country. The Country Program will be resubmitted for consideration at the 15th EC Meeting in December 1994.
100,000	77,314		A workshop held on project preparation and processing procedures earlier in the year has helped the preparation of 8 subprojects in the refrigeration, foam, aerosol and solvents sectors. Most of these projects will be finalized in time for presentation and consideration at the 15th Meeting of the Executive Committee of the Multilateral Fund.
30,000	22,764	12/94	Funds utilized for supervision on project implementation.
100,000	9,518		Funds will be allocated to IFC and to Country Department to support project preparation activities.

Montreal Protocol

Region/Country	Project Activity Description	Activity 1/	Project Type 2/	ODS to be Phased Out 3/	ODS Phased Out to Date 3/	Date of EC Approval
Sector	Sub-project Description					
ODS Project I		Investment	Main Project	754	304	06/92
Several	Demonstration activities in other sectors		Sub-project			06/92
Several	Institutional strengthening		Sub-project			06/92
Several	Introduction of non-ODS technologies in the production of domestic refrigerators at Arcelik A.S.		Sub-project	750		10/92
Refrigeration	Recovery and recycling of CFC-12 at a refrigeration production plant		Sub-project	4		06/92
Refrigeration	Recovery and recycling of CFC-12 in network of service shops		Sub-project	1bd		06/92

Latin America and the Caribbean

Argentina						
CY94 Plan - Country Program		Work Program		--	--	03/94

CY94 Plan - ODS I Project Preparation		Work Program		--	--	03/94
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Brazil

CY94 Plan - Country Program		Work Program		--	--	03/94
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CY94 Plan - ODS I Project Preparation		Work Program		--	--	03/94
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ODS Project I		Investment	Main Project	270	--	06/92
Refrigeration	Assembly line refitting for HFC-134a refrigerator compressor, commercial production		Sub-project	N/A		06/92
Refrigeration	CFC-12 collection, recycling and conservation programme for household refrigerator maintenance and repair shops		Sub-project	N/A		06/92
Refrigeration	EMBRACO - Compressor manufacturing		Sub-project	270		07/94
Refrigeration	Project preparation on converting CFC-11 central air conditioning units with HCFC-123 or HFC-134a		Sub-project			06/92

Chile

CY94 Plan - ODS I Project Preparation		Work Program		--	--	03/94
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1/ Activity: Investment Project or Work Program activity
2/ Project Type: Main Project, Sub Project, or Pre-investment
3/ metric tons

Ozone Project Portfolio

Approved Funding	Disbursements	Expected Date of Completion	Status of Implementation
6,165,000	3,112,200	12/96	Project under implementation. Most components are well advanced and close to completion. Substantial ODS phaseout has been achieved.
500,000			A number of project preparation activities have been funded under this component, including the preparation of three additional refrigeration-sector projects which are being finalized for presentation to the next meeting of the Fund Executive Committee.
300,000			Difficulties in initiating institutional strengthening activities were addressed during the last supervision mission.
4,900,000			Phase I of the CFC-11 replacement in foam blowing (50% CFC foam) has been implemented, resulting in annual savings of 300 tons per year. Phase II consists in the introduction of cyclopentane and has been implemented. Trial runs underway.
65,000			Subproject has been fully implemented. Monitoring of recovery and quality of material underway.
400,000			Design of the pilot program for recovery/recycle/reclaim of CFC-12 from servicing activities are underway.
30,000	30,000	12/94	The Country Program was completed and presented at the 15th E.C. meeting. A workshop and technical mission were held to assist in capacity building efforts for local project preparation.
192,929	109,090	12/94	Preparation of a grant agreement is underway. Seven projects were prepared to be submitted to the 15th E.C.
49,400		12/94	Brazil Country Program was completed, presented and approved at the 13th Meeting of the Executive Committee.
164,380	85,068	12/94	Bank has supported the preparation of refrigeration-sector projects, including Metalfrio which is in the process of being cleared by the Fund Secretariat. On-going support is being provided to FINEP to further enhance its capacities to identify and prepare new investment operations. The Bank also visited Brazil for supervision of the project.
3,151,200	1,000,000	12/96	Implementation underway.
530,000			An umbrella grant agreement was signed with FINEP on December 17, 1993. Project preparation is proceeding on all fronts.
2,000,000			Pilot programme being designed. To be processed through the umbrella agreement.
221,200			Project approved at 13th EC Meeting. Subproject processed through umbrella grant agreement and is expected to be implemented shortly.
400,000			Funds for FINEP to support project preparation.
30,208	41,862	12/94	Project implementation has been initiated a Grant Agreement was signed in July 1993.

Montreal Protocol

Region/Country	Project Activity Description		Activity 1/	Project Type 2/	ODS to be Phased Out 3/	ODS Phased Out to Date 3/	Date of EC Approval
	Sector	Sub-project Description					
	ODS Project I		Investment	Main Project	729	--	06/92
	Several	Ozone Seal		Sub-project			06/92
	Several	Ozone Team		Sub-project			06/92
	Several	Public Awareness		Sub-project			06/92
	Several	Specific Training		Sub-project			06/92
	Several	TECHFIN		Sub-project			06/92
	Ecuador						
CY94 Plan - ODS I Project Preparation		Work Program		--	--	03/94	
	ODS Project I		Investment	Main Project	341	--	03/93
	Aerosol	Conversion of aerosol plants to hydrocarbon propellants			290		03/93
	Several	Institutional strengthening					03/93
	Foam	Reduction of CFC-11 use in foam insulation at three refrigerator manufacturing plants			51		03/93
	Guatemala						
CY94 Plan - ODS I Project Preparation		Work Program		--	--	03/94	
Mexico							
CY94 Plan - ODS I & II Project Preparation		Work Program		--	--	03/94	
CY94 Plan - ODS III Project Preparation		Work Program		--	--	03/94	
MAC Recycling and Aerosols		Investment	Pre-investment	--	--	06/92	
ODS Project I -- Ozone Protection Policy		Investment	Main Project	--	--	04/91	
Uruguay							
CY94 Plan - ODS I Project Preparation		Work Program		--	--	03/94	
	ODS Project I Investment		Investment	Main Project	--	--	
	Refrigeration	Colder			11		
	Foam	Etchepare			4.4		
	Refrigeration	Indunor			19.3		
	Foam	Tem			5.2		
Venezuela							
CY94 Plan - Country Program		Work Program		--	--	03/94	

1/ Activity: Investment Project or Work Program activity

2/ Project Type: Main Project, Sub Project, or Pre-investment

3/ metric tons

Ozone Project Portfolio

Approved Funding	Disbursements	Expected Date of Completion	Status of Implementation
1,206,076	155,780	12/96	Grant agreement signed July 1993. Project implementation has been initiated.
7,000			Final arrangement for certification of ozone responsible manufacturing are under way
215,200			The ozone unit is establishing an ODS tracking system
361,000			Final arrangements for the publicity campaign are underway
127,876			
495,000			TECFIN component will be launched once the arrangements for financial intermediation are finalized.
30,000	46,212	12/94	Project supervision on-going. Implementation is proceeding satisfactorily.
1,566,000	405,720	12/94	Project implementation is proceeding satisfactorily. No major issues to report.
697,000			
204,000			
665,000			
55,000	5,538	12/94	Following the reconnaissance mission, there appears to be no scope for Bank involvement at this stage.
52,286	69,257	12/94	Activities completed
100,000	7,428	12/94	Bank is evaluating its activities in the country.
180,000		12/94	Climas de Monterrey amended contract will be signed shortly.
4,000,000	400,000	12/94	Seven subsidiary agreements were recently signed between INE and enterprises. Disbursement should start shortly.
100,000	25,236	12/94	Underway. Initial reconnaissance has identified a number of small projects.
			To be presented to the 15th Meeting of the Executive Committee.
			To be presented to the 15th Meeting of the Executive Committee.
			To be presented to the 15th Meeting of the Executive Committee.
			To be presented to the 15th Meeting of the Executive Committee.
40,040	25,000	12/94	The GIOV will initiate its CP soon. The Bank has done a survey on domestic refrigeration which would support data collection.

Montreal Protocol

Region/Country	Project Activity Description	Sector	Sub-project Description	Activity 1/	Project Type 2/	ODS to be Phased Out 3/	ODS Phased Out to Date 3/	Date of EC Approval
	CY94 Plan - ODS I & II (Molanca & Chiller) Project Preparation			Work Program		--	--	03/94
	CY94 Plan - ODS III (FAACA) Project Preparation			Work Program		--	--	03/94
	CY94 Plan - ODS IV (AAISA) Project Preparation			Work Program		--	--	03/94
	CY94 Plan - ODS V (Air Cond) Project Preparation			Work Program		--	--	03/94
	ODS Projec. IV-AAISA MAC Compressor Conversion			Investment	Main Project	111	--	09/94
	ODS Project I -- Placticos Molanca			Investment	Main Project	259	259	06/92
	ODS Project II -- Chiller Retrofits			Investment	Main Project	14	--	10/92
	ODS Project III -- FAACA-MAC Production Conversion			Investment	Main Project	--	--	11/93
	ODS Project IV -- AAISA-MAC Compressor Conversion			Investment	Main Project	--	--	11/93

Middle East and North Africa

Algeria

CY94 Plan - ODSI Project Preparation	Work Program	--	--	03/94
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Egypt

CY94 Plan - IFC Project Preparation	Work Program	--	--	03/94
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CY94 Plan - ODS I Project Preparation	Work Program	--	--	03/94
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ODS Project I - MCMC Compressor	Investment	Main Project	324	--	10/92
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Refrigeration	Conversion of refrigeration compressor manufacturing to HFC-134a at MCMC		324		10/92
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1/ Activity: Investment Project or Work Program activity

2/ Project Type: Main Project, Sub Project, or Pre-investment

3/ metric tons

Ozone Project Portfolio

Approved Funding	Disbursements	Expected Date of Completion	Status of Implementation
83,236	71,907	12/94	Funds utilized for finalizing project preparation and for project supervision.
47,190	6,483	12/94	Technical mission completed project preparation during 1994. Project submitted and approved by the E.C.
47,190	11,061	12/94	Technical mission completed project preparation during 1994. Project submitted and approved by the E.C.
28,655	2,773	12/94	
3,802,000			Project approved at 14th EC Meeting.
1,300,000	1,233,240	12/94	Project completed.
1,100,000		12/95	Three of the four legal agreements have been signed
3,480,000		12/96	Draft legal agreement in the country obtaining clearance
620,000		12/96	Grant Agreement will be signed during 1994 after the E.C. approval at the 14th meeting
100,000	7,673	12/94	Discussions on-going with GOA.
50,000		12/94	Funds to be utilized to finalize processing of the MCMC project and for initial supervision work.
25,000	11,045	12/94	The reconnaissance mission scheduled for July 1994 was rescheduled to November 1994. The scope of activities under the proposed ODS I project for Egypt has yet to be defined.
2,800,000		12/95	Construction of the factory is almost completed and trial production of HFC-134a compressors has taken place although not yet in commercial operation. The technology transfer issue which has delayed the signing of the Grant Agreement between the IFC and MCMC is in the process of being resolved and should lead to a grant agreement soon after the IFC clears the new arrangements
2,800,000			Substantial procurement has been done and will be covered retroactively. The project is expected to disburse quickly

Montreal Protocol

Region/Country	Project Activity Description	Sector	Sub-project Description	Activity 1/	Project Type 2/	ODS to be Phased Out 3/	ODS Phased Out to Date 3/	Date of EC Approval
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Jordan

CY94 Plan - ODS I Project Preparation

Work Program

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03/94

ODS Project I

Investment

Main Project

315

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10/92

Aerosol

Conversion of aerosol fillers

Sub-project

50

06/92

Aerosol

Deodorization of liquified petroleum gas (LPG)

Sub-project

200

06/92

Several

Institutional Strengthening

Sub-project

06/92

Foam

Reduction of CFC-11 in flexible foam

Sub-project

40

06/92

Foam

Reduction of CFC-11 in rigid insulation foams in domestic and commercial refrigerators

Sub-project

25

06/92

Tunisia

CY94 Plan - ODS I Project Preparation

Work Program

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03/94

ODS Project I

Investment

Main Project

1265

--

06/92

Several

Implementation of Gov. action

Sub-project

10/92

Foam

Introduction of low-CFC and non-CFC in rigid foams in refrigeration insulation

Sub-project

175

06/92

Refrigeration

Maintenance of domestic, commercial and industrial refrigeration systems

Sub-project

10/92

Refrigeration

Maintenance of domestic, commercial and industrial refrigeration systems

Sub-project

100

06/92

Refrigeration

Technical assistance for development of HFC-134a-based domestic refrigerators

Sub-project

60

10/92

Foam

Technical assistance and demonstration of non-CFC technology in rigid and flexible foam production

Sub-project

700

06/92

Aerosol

Technical Consultancies in Aerosols

Sub-project

10/92

Aerosol

Technical seminar and conversion to non-CFC technology in aerosol sector

Sub-project

230

06/92

South Asia

India

CY94 Plan - ODS I Project Preparation

Work Program

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03/94

1/ Activity: Investment Project or Work Program activity

2/ Project Type: Main Project, Sub Project, or Pre-investment

3/ metric tons

Ozone Project Portfolio

Approved Funding	Disbursements	Expected Date of Completion	Status of Implementation
72,900	79,949	12/94	Two supervision mission have visited Jordan to support the initiation of Project implementation. Continued close supervision is planned through the end of 1995.
1,500,000	200,000	12/96	The Project Implementation Unit has been established. The Unit has hired the required staff and set up the office. A number of subgrant agreements have been signed and procurements of goods and services has been initiated.
250,000			Subgrant agreement signed 2 aerosol fillers. Additional projects in this sector have been prepared and will soon be presented for funding.
700,000			Subgrant agreement has been signed. Preparation of the procurement package is underway.
100,000			Project Implementation Unit has been established and is fully operational. Office equipment and computers have been purchased. Additional staff has been hired.
200,000			Subgrant agreement has been signed.
150,000			Project preparation in refrigeration sector being undertaken by UNIDO. These funds were utilized to cover contingencies and revised cost estimates of subprojects following appraisal.
76,296	44,510	12/94	A supervision mission visited Tunisia to assist with the start up of project implementation and the establishment of the special account. The mission reported that progress was satisfactory.
1,790,000	12,310	12/96	A project manager has been hired and the Project Implementation Unit has been established. Sub-grant agreements are being negotiated with the participating enterprises, several of which have initiated project implementation activities.
280,000			The Project Implementation Unit has been established and project-related activities have been initiated. Initial disbursement is expected shortly and will support the procurement of office equipment to set up the project office.
300,000			
300,000			
100,000			
360,000			
100,000			
50,000			
300,000			
70,837	61,664	12/94	Project preparation activities are complete and grant agreement for India ODS I has been signed. First supervision mission will take place in December 1994.

Montreal Protocol

Region/Country	Project Activity Description	Activity 1/	Project Type 2/	ODS to be Phased Out 3/	ODS Phased Out to Date 3/	Date of EC Approval
Sector	Sub-project Description					
CY94 Plan - ODS II Project Preparation		Work Program		--	--	03/94
ODS Project I		Investment	Main Project	54	--	06/93
Refrigeration	Chiller Retrofits to HCFC 123		Sub-project	36		06/93
Refrigeration	Refrigeration Compressor Product Conversion to HFC-134a		Sub-project	18		11/93
ODS Project II		Investment	Main Project	1286	--	03/94
Aerosol	Aero Pharma Aerosol Conversion		Sub-project	36		11/93
Refrigeration	Compressors Designs Conversion		Sub-project	57		03/94
Foam	Expanded Inc.		Sub-project	72		07/94
Refrigeration	Feezeking Industries Pvt. Ltd.		Sub-project	35		07/94
Solvents	Hindustan Syringes		Sub-project	50		07/94
Foam	Manali Petrochemical		Sub-project	488		03/94
Foam	Manali Petrochemical Polyol Systems Conversion		Sub-project			11/93
Refrigeration/AC	Subros CFC Phaseout in Mobile Air Conditioning		Sub-project	84		11/93
Foam	UB Petroproducts		Sub-project	464		03/94
Foam	UB Petroproducts Polyol Systems Conversion		Sub-project			11/93
Pakistan						
CY94 Plan - ODS I Project Preparation		Work Program		--	--	03/94

1/ Activity: Investment Project or Work Program activity

2/ Project Type: Main Project, Sub Project, or Pre-investment

3/ metric tons

Ozone Project Portfolio

Approved Funding	Disbursements	Expected Date of Completion	Status of Implementation
775,000	485,101	12/94	Preparation of India ODS II (umbrella grant agreement) is almost complete. A number of subprojects have already been funded and will be channelled through this umbrella grant agreement. A Project Preparation Advance was provided from this budget to IDBI, the local financial agent, to support the preparation of a number of subprojects to be processed through the umbrella grant agreement.
1,252,000		12/95	Grant agreement was signed in August 1994 and implementation has been initiated by participating enterprises. Both subprojects are expected to be completed within the next 12 months
567,000			Subproject implementation has been initiated.
685,000			Implementation has been initiated..
4,814,784		12/96	The preparation of the second Montreal Protocol project for India is almost complete. Negotiations are expected to be initiated shortly. This large umbrella grant agreement (US\$50 million) will establish the framework for the processing of a large number of small projects over the next 2 to 3 years. A number of subprojects have already been funded by the Multilateral Fund and implementation will proceed shortly after grant agreement signature.
62,520			
547,900			
502,130			
240,500			
481,000			
481,000			
219,000			
1,710,000			
385,864			
200,000			
133,191	74,325	12/94	Project identification and preparation continues. NDFC has been selected by the government as the financial intermediary for implementation of Montreal Protocol investment projects. A project preparation workshop was held in early October and the first group of subprojects will be finalized in the coming months. Project preparation is now focusing on developing the most suitable and sustainable project implementation mechanism. The draft Initial Executive Project Summary was recently reviewed by Bank management. It is expected that the first tranche of sub-projects will consist of about 10 subprojects in the refrigeration, foam and solvent sectors.

PART II
STATUS OF BILATERAL ACTIVITIES

Status of Bilateral Cooperation

as at October 1994

CODE Project title/Project description	ODS to be phased-out	Sector	Funds allocated	Date of approval	Time frame	Type of project	Status
Australia							
REGION: ASP							
ASP/REF/12/TRA/14 <u>Support to participants to the regional workshop on refrigeration and air conditioning training programme</u>	-	Refrigeration	\$66,800	Mar 1994	1994	TRA	Newly approved
ASP/SEV/08/TRA/08 <u>Support to ASEAN regional conference on CFC and halons</u>	-	Several	\$4,420	Oct 1992	Mar 1992	TRA	Completed
ASP/SEV/07/TRA/06 <u>Support for delegates from six Asian countries to participate in regional workshop on alternatives to CFC</u>	-	Several	\$39,394	Jun 1992	Mar 1992	TRA	Completed. Workshop held in Canberra, Australia
Canada							
BRAZIL							
BRA/REF/11/TRA/09 <u>Refrigeration training workshop in the state of Sao Paulo</u>	-	Refrigeration	\$172,500	Nov 1993	1 year (1994)	TRA	Completed. Workshop held (Sep 1993)
CHINA							
CPR/REF/14/TAS/79 <u>Feasibility study to establish a refrigerant conservation programme in Sichuan Province</u>	-	Refrigeration	\$58,400	Sep 1994	1 year (1994-1995)	TAS	Newly approved
CPR/SOL/14/TAS/80 <u>No-clean etchnology programme</u>	-	Solvent	\$51,100	Sep 1994	1 year (1994-1995)	TAS	Newly approved
CPR/SEV/11/TAS/52 <u>Activities in Sichuan Province</u>	-	Several	\$172,500	Nov 1993	1 year (1994)	TAS	Completed. Workshop held in Chengdu, Sichuan Province (4-8 Oct 1994)
VENEZUELA							
VEN/HAL/11/TAS/14 <u>Technical assistance in halon sector</u>	-	Halon	\$304,500	Nov 1993	4 years (1994-1997)	TAS	Expert has been contracted. First draft report on a halon management plan sent to the Govt. for revision

Status of Bilateral Cooperation

as at October 1994

CODE Project title/Project description	ODS to be phased-out	Sector	Funds allocated	Date of approval	Time frame	Type of project	Status
France							
MAURITANIA							
MAU/REF/14/TRA/04 <u>Training of refrigeration technicians</u>	-	Refrigeration	\$25,000	Sep 1994	1 year (1994-1995)	TRA	Newly approved
MAU/REF/14/INV/05 <u>Conversion of CFC-based commercial refrigeration installations in the fishing industry</u>	2	Refrigeration	\$106,900	Sep 1994	2 years (1994-1996)	INV	Newly approved
MAU/SEV/13/CPG/01 <u>Country programme preparation</u>	-	Several	\$44,000	Jul 1994	1 year	CPG	Completed. CPG approved at the 14th ExCom Meeting
MAU/SEV/14/INS/02 <u>Institutional strengthening project proposal</u>	-	Several	\$38,874	Sep 1994	3 years (1994-1997)	INS	Newly approved
MAU/SEV/14/TRA/03 <u>Training and awareness of personnel involved in the task of codifying and identifying ODS and ODS-containing material</u>	-	Several	\$10,000	Sep 1994	1 year (1994-1995)	TRA	Underway
VIET NAM							
VIE/SEV/13/CPG/03 <u>Country programme preparation</u>	-	Several	\$30,000	Jul 1994	1 year	CPG	Newly approved
Germany							
GLOBAL							
GLO/SEV/07/TRA/24 <u>Support to attend the Alternatives to CFC and Halons Technologies and Substances conference</u>	-	Several	\$18,378	Jun 1992	Feb 1991	TRA	Completed
Singapore							
REGION: ASP							
ASP/SOL/13/TRA/15 <u>Training workshop on CFC-113 and methyl chloroform substitutes and alternative technologies in ASEAN countries</u>	-	Refrigeration	\$40,000	Jul 1994	1 year (1994-1995)	TRA	Newly approved

Status of Bilateral Cooperation

as at October 1994

CODE Project title/Project description	ODS to be phased-out	Sector	Funds allocated	Date of approval	Time frame	Type of project	Status
Singapore							
ASP/SOL/11/TAS/12 <u>Regional methyl chloroform elimination programme for ASEAN countries</u>	-	Solvent	\$31,976	Nov 1993	2 years (1993- 1995)	TAS	Newly approved
South Africa							
REGION: AFR							
AFR/SEV/11/TRA/07 <u>Industry workshop on the practical implementation of the Protocol for English-speaking countries</u>	-	Several	\$30,000	Nov 1993	2 years (1993- 1995)	TRA	Newly approved
USA							
ARGENTINA							
ARG/SEV/13/PRP/08 <u>Project preparation/technical assistance</u>	-	Several	\$105,000	Jul 1994	1 year (1994-1995)	PRP	Newly approved
CHINA							
CPR/HAL/11/TAS/53 <u>Halon management resource manual</u>	-	Halon	\$32,000	Nov 1993	1993	TAS	Completed. Manual furnished to UNEP (Dec 1993)
CPR/HAL/11/TRA/50 <u>Halon 1211 recovery/recharge training workshops</u>	-	Halon	\$271,000	Nov 1993	1993	TRA	Completed. Three workshops held (Beijing, Apr 1993, Hangzhou and Guangzhou, Sep 1993). 3 recovery/recharge machines provided. Coordinated delivery and deployment of 20 UNDP provided machines. Assessment of halon use in Guangdong province initiated
CPR/HAL/12/INV/59 <u>Halon 1211 recovery/recharge machines and training</u>	200	Halon	\$735,000	Mar 1994	1 year (1994)	INV	39 machines delivered (May 1994). Workshop for machine operators planned for Nanjing (Sep 1994)
CPR/HAL/13/PRP/66 <u>Project preparation</u>	-	Halon	\$200,000	Jul 1994	1.5 years (1994- 1995)	PRP	Newly approved
CPR/REF/10/TAS/33 <u>Staged project to produce CFC-free refrigerators in China (stage 1a: model prototype development and testing)</u>	-	Refrigeration	\$396,110	Jun 1993	6 months (1993)	TAS	Initial prototype testing nearly completed. Selection of final design to be made shortly. Next phase of project to be proposed to the 14th ExCom Meeting

Status of Bilateral Cooperation

as at October 1994

CODE Project title/Project description	ODS to be phased-out	Sector	Funds allocated	Date of approval	Time frame	Type of project	Status
USA							
CPR/SEV/08/TRA/23* <u>Support for the FESCAST international conference</u>	-	Several	\$87,000 \$96,000	Oct 1992 Nov 1993	Jun 1992-Oct 1993	TRA	Completed. Conference for 450 participants held in Apr 1993
ECUADOR							
ECU/ARS/08/PRP/07 <u>Technical assistance in aerosol project preparation</u>	-	Aerosol	\$6,000	Oct 1992	Mar-Apr 1992	PRP	Completed
ECU/FOA/08/PRP/08* <u>Feasibility study for reduction of CFC-11 in rigid polyurethane foam insulation for refrigerators using water/CO2 formulation</u>	-	Foam	\$41,000 \$50,000	Oct 1992 Nov 1993	Oct 1991-Mar 1993	PRP	Completed
ECU/HAL/13/TAS/14 <u>Halon 1211 management</u>	-	Halon	\$58,000	Jul 1994	1 year (1994-1995)	TAS	Newly approved
ECU/SEV/07/CPG/06* <u>Support for country programme preparation</u>	-	Several	\$50,000 \$6,000	Jun 1992 Oct 1992	1991	CPG	Completed. CPG approved at the 6th ExCom Meeting
ECU/SEV/11/CPG/12 <u>Assistance in implementation of country programme</u>	-	Several	\$11,000	Nov 1993	1 year	CPG	Completed
MALAYSIA							
MAL/SOL/11/TRA/14 <u>Conference on the elimination of ozone depleting solvents</u>	-	Solvent	\$24,000	Nov 1993	1993	TRA	Conference held (Apr 1993). Final report prepared
MEXICO							
MEX/REF/08/TRA/10* <u>Chiller hands-on training</u>	-	Refrigeration	\$81,000 \$259,000	Oct 1992 Nov 1993	Jan 1992-Aug 1992	TRA	Completed. Two workshops for 200 technicians conducted
MEX/REF/13/TRA/14 <u>Cancun chiller workshop</u>	-	Refrigeration	\$9,000	Jul 1994	1 year (1994-1995)	TRA	Newly approved
MEX/REF/13/TAS/15 <u>Pilot sectoral study and action plan in commercial refrigeration</u>	-	Refrigeration	\$410,000	Jul 1994	1994	TAS	Newly approved

Status of Bilateral Cooperation

as at October 1994

CODE Project title/Project description	ODS to be phased-out	Sector	Funds allocated	Date of approval	Time frame	Type of project	Status
USA							
MEX/REF/13/DEM/16 <u>Demonstration project in MAC</u>	25	Refrigeration	\$120,000	Jul 1994	1 year (1994-1995)	DEM	Newly approved
MEX/SOL/08/TRA/11* <u>Mexican solvents programme to reduce CFC-113 and methyl chloroform</u>	17	Solvent	\$360,000 \$138,000	Oct 1992 Nov 1993	Oct 1991-Mar 1993	TRA	Workshops held. Funding applications prepared. Continue to identify and provide technical assistance to solvent users
MEX/SOL/13/PRP/17 <u>Project preparation</u>	-	Solvent	\$450,000	Jul 1994	1 year (1994-1995)	PRP	Newly approved
MEX/SEV/08/CPG/09 <u>Assistance to country programme and investment projects preparation</u>	-	Several	\$28,000	Oct 1992	1991-1992	CPG	Completed
MEX/SEV/07/PRP/08* <u>Support for country programme preparation and development of project proposals</u>	-	Several	\$145,000 \$136,000	Jun 1992 Nov 1993	1991-1992	PRP	Developed project proposals in the aerosol, MAC and solvent sectors. Supported preparation of CPG
MEX/SEV/07/INS/07 <u>Institutional strengthening</u>	-	Several	\$285,000	Jun 1992	1992-1994	INS	Ongoing. The Ozone Protection Unit has prepared and submitted to the World Bank 12 projects totalling \$2.98 million which will result in an annual reduction of 2,719 ODS tonnes
PANAMA							
PAN/HAL/13/TAS/04 <u>Technical assistance in halon 1211</u>	-	Halon	\$120,000	Jul 1994	1994	TAS	Newly approved
THAILAND							
THA/SOL/08/TAS/07 <u>Follow-up activities of the USA/Thailand/Japan conference on conservation, containment and alternatives</u>	-	Solvent	\$203,000	Oct 1992	1992-1994	TAS	Project proposal for Thai Airways is being prepared with assistance from Swedish EPA. Follow-up conference held (Feb 1994)
URUGUAY							
URU/HAL/13/TAS/07 <u>Technical assistance in halon 1211 management</u>	-	Halon	\$8,000	Jul 1994	Oct-1993 Sep-1994	TAS	Newly approved

Status of Bilateral Cooperation

as at October 1994

CODE Project title/Project description	ODS to be phased-out	Sector	Funds allocated	Date of approval	Time frame	Type of project	Status
USA							
VENEZUELA							
VEN/HAL/13/DEM/19 <u>Technical assistance in halon 1211 management</u>	1.5	Halon	\$31,000	Jul 1994	1994	DEM	Newly approved
VEN/REF/08/DEM/06 <u>Technical assistance and demonstration project in CFC recycling in MAC</u>	-	Refrigeration	\$115,000	Oct 1992	Oct 1992-Sep 1993	DEM	Training workshop held in Caracas (May 1994). 18 MAC recycling machines distributed. Data is being collected on the operation of the machines and a report will be submitted in Jan 1995
VEN/REF/13/DEM/18 <u>Demonstration project in MAC</u>	25	Refrigeration	\$53,000	Jul 1994	1994	DEM	Newly approved
VEN/SEV/08/CPG/07 <u>Country programme preparation</u>	-	Several	\$43,000	Oct 1992	Dec 1991-Sep 1992	CPG	Completed
REGION: ASP							
ASP/HAL/08/TRA/07 <u>South-east Asia halon-1211 training workshop in Japan</u>	-	Halon	\$190,000	Oct 1992	Mar 1992	TRA	Completed
REGION: LAC							
LAC/HAL/08/DEM/06 <u>Follow-up to regional halon-1211 workshop</u>	-	Halon	\$80,000	Oct 1992	Aug 1992-Sep 1993	DEM	Completed. Strategy to assess use of halon and deploy halon recovery/recycling machines. Assessment missions to Panama, Uruguay completed
LAC/REF/13/PRP/09 <u>Project preparation for low consuming countries</u>	-	Refrigeration	\$65,000	Jul 1994	1 year (1994-1995)	PRP	Newly approved
GLOBAL							
GLO/HAL/08/TRA/25 <u>Regional workshops in halon-1211 training</u>	-	Halon	\$429,000	Oct 1992	Aug 1992-Aug 1993	TRA	Completed. One workshop held (Beaufort, USA, Sep 1992). China halon workshop supported