



United Nations Environment Programme



Distr.
LIMITED



UNEP/OzL.Pro/ExCom/12/8
24 February 1994

ORIGINAL: ENGLISH

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

Twelfth Meeting
Montreal, 28-30 March 1994

UNDP PROGRESS REPORT

This document includes:

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

COMMENTS AND RECOMMENDATIONS OF THE FUND SECRETARIAT

COMMENTS

ODS phase-out

1. UNDP is the first agency to report the completion and commissioning of ODS phase-out projects. The three projects in Egypt were administered by UNDP from concept to phase-out. The remaining project for Malaysia was prepared after the conversion activities were underway. The four projects will result in a phase-out of 317 tonnes ODP.

Program document agreements

2. UNDP requires the completion of a project document before project execution activities can begin. Activities during project execution may include contract bidding, procurement, and commissioning.

3. Of the 23 demonstration/investment projects in UNDP's portfolio requiring project document signatures, ten projects (three approved in June and seven approved in November 1993), have not been signed.

Project execution

4. Of the 13 investment projects that have begun disbursing funds, five have been completed. Design, bidding, and procurement activities have begun in the remaining eight activities with several projects expected to be completed soon.

Work programme activities

5. Currently, UNDP has 104 activities that are not investment/demonstration projects and are classified as work programme activities. Work programme activities only require project document agreements if they are to be executed by the client country itself. Most of these activities are for institutional strengthening.

6. Of the 14 institutional strengthening projects approved for UNDP implementation, 12 have signed project documents with the other two projects awaiting Government signature. Of the eight activities slated for national execution, seven have signed project documents.

7. Thirty-one work programme activities have been completed before this reporting period. Of the remaining 51 activities, 13 were completed during this reporting period,

24 indicated progress since the last meeting (eight of which had additional disbursements), and there were delays, little or no progress in the other activities.

8. Since work programme activities in UNDP may be carried over from one year to the next, UNDP does not provide an accounting of the extent to which it expended funds allocated for its 1993 work programme and its amendments. UNDP intends to offset any cost overrun in its work programme activities against cost savings in other activities. The progress report stated, for example, that US \$75,000 was redeployed to project preparation activities from the project, Study Tours for Government and Industry and Pre-feasibility Studies, as recommended by the Eleventh Meeting of the Committee.

Coordination

9. Coordination with other agencies was not presented in the progress report with the exception of a joint effort with UNIDO in preparing a project supervision computerized monitoring system. Since the World Bank is also involved in analysing the requirements for project monitoring, all agencies should coordinate to assure that the consistency of reporting on project supervision to the Executive Committee.

Project overruns in companies with transnational participation

10. In an initial draft of the progress report, an overrun was reported for the Taki-Vita project. Incremental costs in this project were reduced by the percentage of transnational corporation ownership in the company as per the Committee's guidelines. Upon review, UNDP informed the Secretariat that the cost of the overrun would be absorbed by the company so only the approved amount would be utilized.

RECOMMENDATION

11. The Fund Secretariat recommends that the Executive Committee take note, with appreciation, the progress report of UNDP and requests UNDP to cooperate with other agencies in the development of a reporting format for project supervision activities.

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

(Twelfth Meeting, 28-30 March 1994, Montreal)

**PROGRESS REPORT
OF THE
UNITED NATIONS DEVELOPMENT PROGRAMME**

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Financial Summary**
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18 February 1994

A. OPERATIONAL/POLICY DEVELOPMENTS AND FINANCIAL SUMMARY

UNDP's speed of project implementation continues to increase. At the 11th Executive Committee Meeting (10-12 November 1993, Bangkok), it was reported that of project allocations of \$18.18 million, \$6.77 had been disbursed/obligated for a delivery rate of 37.2%. We are pleased to report to the 12th Executive Committee Meeting that of project allocations of \$23.15 million to date, \$9.57 has been disbursed/obligated translating to a delivery rate of 41.4%.

ODS Phaseout Investment Projects Completed

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

<u>Project</u>	<u>ODS Phased Out</u>
a) <u>EGYPT</u> : Phaseout of CFC-11 in moulded foam manufacturing at Misr Foam (EGY/FOA/09/INV/11) (approved March 93, completed 9 Nov. 93)	28 tonnes
b) <u>MALAYSIA</u> : Phaseout of CFC-12 in the manufacture of extruded polystyrene foam sheet at Jumaya Industries (MAL/FOA/10/INV/11) (approved June 93, completed Dec. 93)	150 tonnes
c) <u>EGYPT</u> : Phaseout of CFC-12 in refrigeration at Koldair Company (EGY/REF/08/INV/09) (approved Oct. 92, completed Jan. 94)	18 tonnes
d) <u>EGYPT</u> : Phaseout of CFC-11 in the manufacture of flexible PUF at Misr Foam (EGY/FOA/08/INV/05) (approved Oct. 92, completed Jan. 94)	121 tonnes
Total	317 tonnes

The Egypt Misr Foam project, commissioned on 9th November 1993, is perhaps the first investment project approved by the Executive Committee to have been completed, four months ahead of schedule. The other three projects had proposed completion dates of fourth quarter 1994 and have each been completed almost one year ahead of schedule. UNDP would like to express its appreciation to the Governments of Egypt and Malaysia and to company management for their superb cooperation and assistance in project implementation at a record pace. The excellent executing ability of UNDP's Office of Project Services (OPS) together with the monitoring and supervision of UNDP's sector experts also deserve special mention in this regard.

Project Monitoring System

The 4-page Operations Summary and the 30-page detailed "Status of Approved UNDP Work Programmes" are from a computerized database system that is being developed by UNDP's Montreal Protocol Unit for more-effective project and programme monitoring and evaluation. This system should be finalized in second quarter 1994 and would be made available to other implementing agencies and the Fund Secretariat on request. As can be seen, several technical assistance and training projects as well as country programme preparation activities have been completed. In addition to the four investment projects completed, several more are expected to be completed by mid-1994.

COUNTRY DEVELOPMENTS: HIGHLIGHTS

ARGENTINA

The Government has requested a meeting on 23 February 1994 with representatives of the implementing agencies to discuss CP finalization and project implementation. UNDP will be represented at that meeting by its Montreal Protocol Task Manager.

BRAZIL

In conjunction with the UNDP's regional foams workshop in Sao Paulo in December 1993, UNDP's foam experts assisted government and industry in project identification. This resulted in the finalization of one umbrella foam sector project that has been submitted to the 12th ExCom Meeting for approval.

CHINA

Three technology assessment visits by Chinese technicians were completed in late-September 1993: in refrigeration (Europe), in pipe insulation (Europe) which resulted in preparation of a project for World Bank implementation, and in spray insulation (USA) which resulted in finalization of the BCMF foam project. During the UNDP solvent expert's visit in October 1993, two projects were formulated in the solvents sector and have been submitted for approval at the 12th ExCom Meeting. Discussions were held on a "no-clean" project and on a "no-clean" flux manufacturing project. A technical visit was made to one of the ongoing solvents demonstration projects to facilitate project implementation. During the UNDP foam sector expert's visit in November 1993, progress in the implementation of the Tianjin and BHEARI foam projects was verified.

COLOMBIA

The Government has prepared its Country Programme and UNDP assisted in reviewing it. The Government has identified 17 projects in the foams and refrigeration sectors for immediate consideration and has designated UNDP as implementing agency. Technical missions will be scheduled during March/April 1994 for project finalization. The Government hopes to receive "Between-Meeting" approval of some of these projects.

CUBA

UNDP staff will visit Cuba during 21-23 February 1994 on a project identification mission and to advise industry on the provisions of the Protocol and on guidelines for project formulation.

EGYPT

In addition to the three completed investment projects mentioned above, UNDP foams and halons sector experts visited Egypt in November 1993 in conjunction with the foams and halons regional workshops held in Cairo that month, monitoring ongoing project implementation and also identified certain new projects. A follow-up mission to Egypt during late-January 1994 resulted in the finalization of three large foam sector investment projects which have been submitted for approval at the 12th ExCom Meeting.

GHANA

A UNDP foam sector expert visit during January 1994 identified an umbrella project comprising four plants needing safety and ventilation equipment as part of their ODS phaseout process. This project was finalized and has been submitted to the 12th ExCom Meeting for approval.

INDIA

UNDP's foam sector expert visited New Delhi during 17-21 January 1994 to assist the Government in the finalization of several foam sector investment projects. UNDP's Montreal Protocol Task Manager followed-up with a visit during 2-4 February 1994. Three foam sector projects have been submitted to the 12th ExCom Meeting for approval. Around 5-6 additional foam sector investment projects, and possibly 1-2 halons sector projects, may be ready for submission to the 13th ExCom Meeting. Implementation details for the approved small-scale sector project were finalized. Implementation of the approved institutional strengthening project was also discussed.

INDONESIA

UNDP is lead agency for CP preparation. The concerned Governmental bodies are the State Ministry of Environment and the National Committee for Ozone Layer Protection (and its technical committee). The National Country Programme Workshop was held during 25-29 October 1993 in Jakarta. Over 80 representatives from Government ministries and sectoral industries participated in the Workshop and finalized sectoral ODS phaseout plans. The completed CP will be presented to the 12th ExCom Meeting for approval. Three UNDP sectoral experts (policy/solvents, foams, refrigeration) attending the Workshop also started project preparation activities, visiting plant sites and ensuring coordination with other agencies. A follow-up foams/refrigeration sector technical visit during 14-16 January 1994 was made by UNDP's foams and refrigeration sector experts.

MALAYSIA

In addition to the completed investment project mentioned above, project formulation missions during November and December 1993 by UNDP's foams, solvents and aerosols sector experts resulted in 8 foam projects, 3 solvent projects and one aerosols project being finalized and submitted for approval to the 12th ExCom Meeting. During these visits, the implementation of recently approved projects was also organized. In the solvents sector, discussions were held with a national coordinator on the design of a project to assist small-scale industries and for appropriate training activities.

MEXICO

At the request of the Government, UNDP is funding a technical team from USEPA that will go to Mexico in March 1994 to finalize projects for UNDP implementation.

PHILIPPINES

Following two project preparation visits during late-November 1993 and mid-January 1994, 3 foam sector projects have been finalized and submitted to the 12th ExCom for approval. Additional foams, refrigeration and solvents sector projects are under discussion.

SRI LANKA

The Country Programme has been prepared with UNDP as lead agency and is being submitted for approval to the 12th ExCom Meeting.

THAILAND

Following UNDP's Asian Regional Foams Workshop and Demonstration Programme in Bangkok during 7-8 December 1993, UNDP staff and UNDP's foam experts assisted the Government and industry in project identification. Four foam sector projects were finalized and have been submitted to the 12th ExCom for approval.

VENEZUELA

A national workshop on new substitutes for halons was held in November 1993. Arrangements for UNDP's Latin America Regional Workshop on Halons to be held in Caracas in late-April 1994 are being discussed.

REGIONAL/GLOBAL PROJECT HIGHLIGHTS

- a) UNDP's Middle East/North Africa Regional Workshop and Demonstration Programme on Low-CFC Foam Technology was held in Cairo, Egypt, during 2-4 November 1993, conducted by UNDP's foam sector experts and UNDP staff in collaboration with EEAA. The 50 participants, in addition to hearing about the latest development in low-CFC and CFC-free technologies, visited several plants in Egypt where UNDP is implementing ODS phaseout projects.

- b) UNDP's Middle East/North Africa Regional Workshop on Halons was held in Cairo, Egypt, during 6-8 November 1993, conducted by UNDP's halons sector expert and UNDP staff in collaboration with EEAA. There were 13 participating countries, with two representatives per country. Halon-1211 recharge/recovery machine features were demonstrated.
- c) UNDP's Asia Regional Workshop and Demonstration Programme on Low-CFC Foam Technology was held in Bangkok, Thailand, during 7-8 December 1993, conducted by UNDP's foam sector expert, UNDP/MPU and UNDP/OPS staff, in collaboration with the Government and industry. There were 40 participants from 11 countries. The Workshop should significantly assist them in their future project preparation activities.
- d) UNDP's Latin America Regional Workshop and Demonstration Programme on Low-CFC Foam Technology was held in Sao Paulo, Brazil, during 15-17 December 1993, conducted by UNDP's foam sector expert and by UNDP/MPU staff in collaboration with the Government and industry. The 85 participants were exposed to technical findings, case studies and incremental cost calculations. It should significantly assist their future project preparation abilities.
- e) Activities under the global halons project have continued with close cooperation between UNDP and USEPA. 27 Halon-1211 recharge/recovery machines have already been shipped to China and USEPA continues to provide technical assistance in this area. Spanish and Chinese language videos on Halon-1211 recharge/recovery were produced from the English version for use in Latin America and China training programmes respectively. In late-February 1994, a visit to Panama is being scheduled and other projects and programmes are being developed.

MEETINGS ATTENDED AND INTERAGENCY COOPERATION

- a) World Bank OORG Meeting, 18-19 October 1993, Washington, D.C.
- b) Greenpeace Ozone Safe Cooling 1993 Conference, 18-19 October 1993, Washington, D.C.
- c) International CFC and Halons Alternatives 1993 Conference, 20-22 October 1993, Washington, D.C. (panelists, speakers)
- d) 11th Executive Committee Meeting, 10-12 November 1993, Bangkok.
- e) Fifth Meeting of the Parties to the Montreal Protocol, 15-19 November 1993, Bangkok.
- f) World Bank Workshop on Country Incremental Costs in Phasing out ODS under the Montreal Protocol, 30 November 1993, Washington, D.C.
- g) Interagency coordination meeting with the Fund Secretariat to discuss draft 1994 work programmes, 7-8 January 1994, Montreal.
- h) Third Meeting of the Informal Advisory Group of UNEP's OzonAction Programme, 1-2 February 1994, Paris.
- i) World Bank OORG Meeting, 17 February 1994, Washington, D.C.

UNDP'S MONTREAL PROTOCOL STAFF AND EXPERTS/CONSULTANTS

The organizational unit within UNDP responsible for Montreal Protocol related matters is the Environment and Natural Resources Group (ENR), headed by Mr. Luis Gomez-Echeverri (Colombia).

Within ENR is the Montreal Protocol Unit (MPU) which is responsible for substantive programme design, management and evaluation. It comprises:

- Mr. Frank Pinto (India), Principal Technical Adviser, and Chief, MPU, handles overall management/coordination and the Asia/Pacific region.
- Mr. Jacques van Engel (Belgium), Environment Specialist, MPU, covers Latin America/Caribbean, the Middle East and Africa.
- Ms. Cecilia Corpus (Philippines), Principal Programme and Adm. Assistant, MPU, covers administrative/programming matters in all regions and is deputy for the Asia/Pacific region.
- Mr. Jessie Reyes (Philippines), MPU Administrative Assistant.

One professional staff member of MPU has assumed other responsibilities and will be replaced during May/June 1994. The following UNDP staff work part-time on Montreal Protocol related matters: Ms. Shiao-Yuen Hu-Fazzi, Finance Officer, and Mr. Paul Chan, Principal Finance/Adm. Assistant, GEF/ENR.

The principal executing agency for UNDP in the implementation of its projects is the Office of Project Services (OPS). The Division Chief responsible for the Montreal Protocol, GEF and other programmes is Mr. Ingolf Schuetz-Mueller and the Programme Officer for the Montreal Protocol is Ms. Laurence Reno. OPS has accelerated its implementation procedures and works closely with the Montreal Protocol Unit and with the sector experts.

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

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

- Mr. Clinton Norris (USA), President, The Norris Group. UNDP expert in CFC replacement technologies, policies, CP preparation and solvents.
- Mr. Bert Veenendaal (Netherlands), Principal, Rappa Inc. (Environmental Consultants). UNDP foams sector expert.
- Mr. Erik Pedersen (Denmark), Director, Fire Protection Department, Danish Institute of Fire Technology. UNDP halons sector expert.
- Mr. Geno Nardini (USA/Mexico), Manager, Instituto Mexico de Aerosoles, Mexico City, Mexico. UNDP aerosols sector expert.
- Mr. Stuart Kelly (UK), formerly manager with ICI Chemicals and Polymers. UNDP's refrigeration sector expert.
- Mr. Simon Oulouhojian (USA), President, Mobile Air Conditioning Society. UNDP's MAC sector expert (under recruitment).
- Ms. Jacqueline Levister (USA), formerly technology transfer consultant (refrigeration) with USEPA. UNDP refrigeration sector training specialist.

Several other international experts, particularly in the foams and solvents sectors, have also been utilized on many occasions. UNDP has also utilized and continues to utilize several national experts on a part-time basis including: Mr. Jorge Corona (Mexico), Mr. Paulo Coutinho (Brazil), Mr. Jee Say Loo (Malaysia), Mr. Freddy Marquez (Venezuela), Mr. M. Sarangapani (India) and Prof. (Mrs.) S. Tang (China).

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FINANCIAL SUMMARY
UNDP'S WORK PROGRAMME UNDER THE MONTREAL PROTOCOL
AS OF 11 FEBRUARY 1994

COUNTRY/ REGION	MULTILATERAL FUND ALLOCATIONS	CUMULATIVE DISBURSEMENTS/ OBLIGATIONS	REMAINING BALANCE
ARGENTINA	25,000		25,000
BANGLADESH	80,000	68,850	11,150
BRAZIL	528,100	149,665	378,435
CHILE	25,000	25,000	0
CHINA	6,816,200	1,778,024	5,038,176
COSTA RICA	433,400	171,939	261,461
CUBA	194,600	91,000	103,600
ECUADOR	140,000	132,000	8,000
EGYPT	5,259,500	2,225,909	3,033,591
GHANA	578,200	72,950	505,250
GUATEMALA	30,000	0	30,000
INDIA	850,000	445,922	404,078
INDONESIA	614,780	295,761	319,019
IRAN	315,350	80,350	235,000
JORDAN	41,000	41,000	0
KENYA	209,852	24,382	185,470
MALAYSIA	2,512,661	2,033,561	479,100
MEXICO	125,000	79,500	45,500
NIGERIA	349,650	137,623	212,027
PANAMA	30,000	0	30,000
PHILIPPINES	298,820	162,117	136,703
SRI LANKA	35,000	35,000	0
THAILAND	720,000	223,785	496,215
TRINIDAD & TOBAGO	70,800	51,877	26,923
URUGUAY	213,850	87,530	126,320
VENEZUELA	557,392	174,947	382,445
SUBTOTAL	21,062,155	8,588,692	12,473,463
REGIONAL	435,500	190,786	244,714
GLOBAL	1,655,000	793,730	861,270
	2,090,500	984,516	1,105,984
GRAND TOTAL	23,152,655	9,573,208	12,579,447

SUMMARY OF ONGOING UNDP ACTIVITIES

Country	Project Number	Project Title	ODS tonnes	Budget US\$	Disbursed US\$	Date Approved
ARGENTINA	ARG/SEV/04/TAS/01	TA for CP preparation	0	25,000	0	June 1991
ARGENTINA	's Subtotal :		0	25,000	0	
BANGLADESH	BGD/SEV/04/TAS/01	ODS reconnaissance survey/train.	0	55,000	53,850	June 1991
BANGLADESH	BGD/SEV/06/CPG/02	Country programme preparation	0	25,000	15,000	Feb 1992
BANGLADESH	's Subtotal :		0	80,000	68,850	
BRAZIL	BRA/REF/06/DEM/01	Demo progr for refrig CFC reuse	0	25,000	25,000	Feb 1992
BRAZIL	BRA/SEV/10/INS/09	Institutional Strengthening	0	403,100	124,665	June 1993
BRAZIL	BRA/SEV/11/PRP/10	Project Preparation Assistance	0	100,000	0	Nov 1993
BRAZIL	's Subtotal :		0	528,100	149,665	
CHILE	CHI/REF/06/DEM/02	Demo progr for techn. in refrig	0	25,000	25,000	Feb 1992
CHILE	's Subtotal :		0	25,000	25,000	
CHINA	CPR/ARS/06/TAS/02	Guangdon Aerosols inv. proj.	0	75,000	45,684	Feb 1992
CHINA	CPR/FOA/06/TAS/03	TA in flax polyurethane foams	0	70,000	65,000	Feb 1992
CHINA	CPR/FOA/06/TAS/04	Quality control; home refiger.	0	65,000	60,019	Feb 1992
CHINA	CPR/FOA/06/TAS/05	Quality Contr flex polyur. foam	0	70,000	70,000	Feb 1992
CHINA	CPR/FOA/07/TAS/17	TA for BFEARI	0	480,000	0	June 1992
CHINA	CPR/FOA/10/INV/52	Tianjin conversion--Flex.P.Foam	180	1,080,000	782,311	June 1993
CHINA	CPR/FOA/10/TAS/37	Strategy/action programme foams	0	200,000	0	June 1993
CHINA	CPR/FOA/11/INV/54	BCMF rigid PUF (Spray)	30	435,000	0	Nov 1993
CHINA	CPR/HAL/06/TAS/06	Halons usage and substitutes	0	40,000	43,345	Feb 1992
CHINA	CPR/HAL/10/TAS/39	Halon phase-out, nat. codes	0	280,000	0	June 1993
CHINA	CPR/HAL/10/TAS/40	Halons, Alternative Systems	0	300,000	0	Jun 93
CHINA	CPR/REF/06/TAS/07	HFC-134a in MACs and recycling	0	40,000	24,836	Feb 1992
CHINA	CPR/REF/06/TRA/08	Reduced ODS for Refrigerators	0	75,000	75,000	Feb 1992
CHINA	CPR/REF/09/TAS/27	Chemicals in Refr in South China	0	100,000	0	Mar 1993
CHINA	CPR/REF/10/TAS/38	Design standards -- Cold Storage	0	200,000	0	June 1993
CHINA	CPR/REF/11/TAS/55	Survey of National Policy	0	100,000	0	Nov 1993
CHINA	CPR/SEV/06/CPG/12	Country programme preparation	0	200,000	200,000	Feb 1992
CHINA	CPR/SEV/06/INS/11	Institutional Strengthening	0	450,000	180,000	Mar 1993
CHINA	CPR/SEV/06/TAS/10	Quality Contr testing in Refr	0	70,000	0	Feb 1992
CHINA	CPR/SEV/09/PRP/28	Project preparation assistance	0	100,000	100,000	Mar 1993
CHINA	CPR/SEV/09/TAS/29	Small CFC-plant Conversion	0	90,000	0	Mar 1993
CHINA	CPR/SEV/11/PRP/51	Project Preparation Assistance	0	100,000	0	Nov 1993
CHINA	CPR/SEV/11/TAS/56	National Qualific. & Standards	0	362,500	0	Nov 1993
CHINA	CPR/SOL/06/TAS/09	Electronics Cleaning in 4 lines	0	40,000	41,829	Feb 1992
CHINA	CPR/SOL/07/DEM/20	Dalian precision parts cleaning	86	495,000	45,000	June 1992
CHINA	CPR/SOL/07/DEM/21	Dandong electronic tuner Clean.	25	495,000	45,000	June 1992
CHINA	CPR/SOL/10/INV/35	Nanjing Wire Works	14	409,000	0	June 1993
CHINA	CPR/SOL/10/INV/36	Chongdu Radio Instr. Factory	11	594,700	0	June 1993
CHINA	's Subtotal :		346	6,816,200	1,778,024	
COSTA RICA	CSR/FOA/08/TRA/05	Seminar/Workshop in foam	0	21,120	0	Oct 1992
COSTA RICA	CSR/REF/08/TRA/04	Conservation in Refrig. Sect.	0	88,000	0	Oct 1992
COSTA RICA	CSR/SEV/04/TAS/01	Reconnaissance study	0	20,000	23,422	June 1991
COSTA RICA	CSR/SEV/06/CPG/02	Country programme preparation	0	20,000	22,909	June 1992
COSTA RICA	CSR/SEV/08/INS/03	Institutional Strengthening	0	213,160	125,608	Oct 1992
COSTA RICA	CSR/SEV/08/TRA/07	Ad-hoc consultants for CP	0	50,000	0	Oct 1992
COSTA RICA	CSR/SOL/08/TRA/06	Seminar in Solvents Sector	0	21,120	0	Oct 1992
COSTA RICA	's Subtotal :		0	433,400	171,939	
CUBA	CUB/SEV/08/CPG/01	Country programme preparation	0	22,600	15,000	Oct 1992
CUBA	CUB/SEV/10/INS/02	Institutional Strengthening	0	172,000	76,000	June 1993
CUBA	's Subtotal :		0	194,600	91,000	
ECUADOR	ECU/REF/06/TRA/03	CFC refrigerant conversion	0	140,000	132,000	Feb 1992
ECUADOR	's Subtotal :		0	140,000	132,000	
EGYPT	EGY/FOA/08/INV/05	Misr Foams Flex.Polyureth.Foams	121	497,000	498,825	Oct 1992
EGYPT	EGY/FOA/08/INV/06	Taki-Vita rigid polyureth. foam	50	352,500	352,500	Oct 1992
EGYPT	EGY/FOA/08/INV/07	Technopol Co.molded polyurethane	55	645,000	676,211	Oct 1992
EGYPT	EGY/FOA/09/INV/10	Al-Sharif Plastic Factories	75	498,000	13,880	Mar 1993
EGYPT	EGY/FOA/09/INV/11	Misr Foams molded foam	28	275,000	284,431	Mar 1993
EGYPT	EGY/FOA/10/INV/15	MOBICA polyurethane foam	20	434,000	0	June 1993
EGYPT	EGY/FOA/10/INV/16	OLYMPIC Electric	75	940,000	0	June 1993

Country	Project Number	Project Title	ODS tonnes	Budget US\$	Disbursed US\$	Date Approved
EGYPT	EGY/FOA/11/INV/18	Specialized Eng Contract Co SECC	15	85,000	0	Nov 1993
EGYPT	EGY/FOA/11/INV/19	Dekheila Chemical Flex PUF	130	650,000	0	Nov 1993
EGYPT	EGY/FOA/11/INV/21	Horse Foam Company	120	385,000	0	Nov 1993
EGYPT	EGY/REF/08/INV/09	Koldair Co. refrigeration	18	272,000	239,442	Oct 1992
EGYPT	EGY/SEV/05/TRA/02	Study tours for government	0	51,000	39,519	June 1991
EGYPT	EGY/SEV/06/PRP/03	Preparation of investment	0	100,000	100,319	Feb 1992
EGYPT	EGY/SEV/11/PRP/20	Project Preparation Assistance	0	75,000	21,550	Nov 1993
EGYPT	's Subtotal :		707	5,259,500	2,226,677	
GHANA	GHA/FOA/08/TAS/03	Technical assistance	0	85,000	7,750	Oct 1992
GHANA	GHA/REF/04/TRA/02	Refrigeration training programme	0	5,200	5,200	June 1991
GHANA	GHA/REF/08/TAS/04	Improved servicing	0	328,000	0	Oct 1992
GHANA	GHA/SEV/08/INS/05	Institutional Strengthening	0	160,000	60,000	Oct 1992
GHANA	's Subtotal :		0	578,200	72,950	
GUATEMALA	GUA/SEV/11/PRP/05	Project Preparation Assistance	0	30,000	0	Nov 1993
GUATEMALA	's Subtotal :		0	30,000	0	
INDIA	IND/SEV/08/INS/02	Institutional Strengthening	0	430,000	166,970	Oct 1992
INDIA	IND/SEV/08/PRP/01	Assistance in project prep.	0	100,000	78,952	Oct 1992
INDIA	IND/SEV/09/CPR/03	Country programme preparation	0	200,000	200,000	Mar 1993
INDIA	IND/SEV/11/TAS/11	Survey of ODS	0	120,000	0	Nov 1993
INDIA	's Subtotal :		0	850,000	445,922	
INDONESIA	INS/SEV/08/CPG/01	Country programme preparation	0	200,000	182,501	Oct 1992
INDONESIA	INS/SEV/10/INS/05	Institutional Strengthening	0	314,780	113,260	June 1993
INDONESIA	INS/SEV/11/PRP/06	Project Preparation Assistance	0	100,000	0	Nov 1993
INDONESIA	's Subtotal :		0	614,780	295,761	
IRAN	IRA/SEV/04/TAS/01	ODS reconnaissance survey	0	30,350	30,350	June 1991
IRAN	IRA/SEV/06/CPG/02	Country programme preparation	0	35,000	35,000	Feb 1992
IRAN	IRA/SEV/08/INS/04	Institutional strengthening	0	200,200	0	Oct 1992
IRAN	IRA/SEV/08/PRP/05	Project preparation assistance	0	50,000	15,000	Oct 1992
IRAN	's Subtotal :		0	315,550	80,350	
JORDAN	JOR/ARS/04/TAS/01	Technical assistance Aerosol	0	29,000	29,000	June 1991
JORDAN	JOR/ARS/06/TAS/12	Deodorization of local gas	0	12,000	12,000	Feb 1992
JORDAN	's Subtotal :		0	41,000	41,000	
KENYA	KEN/REF/10/TRA/05	Demonstration of Ref and Air/con	0	9,852	9,852	June 1991
KENYA	KEN/SEV/06/CPG/02	Country programme preparation	0	25,000	14,530	Feb 1992
KENYA	KEN/SEV/09/INS/04	Institutional strengthening	0	175,000	0	Mar 1993
KENYA	's Subtotal :		0	209,852	24,382	
MALAYSIA	MAL/FOA/10/INV/11	Jumaya Industries polystyrene	150	235,811	235,873	June 1993
MALAYSIA	MAL/FOA/11/INV/15	KEY ASSET SDN.BHD Integral Skin	30	690,000	690,000	Nov 1993
MALAYSIA	MAL/FOA/11/INV/16	Insafom Insulation Company	30	310,000	310,000	Nov 1993
MALAYSIA	MAL/FOA/11/INV/17	Island Resources Company	30	230,000	230,000	Nov 1993
MALAYSIA	MAL/FOA/11/INV/21	Associated Air-Pack Industries	50	234,000	7,000	Nov 1993
MALAYSIA	MAL/REF/04/TRA/01	Training in MAC sector	0	50,000	0	June 1991
MALAYSIA	MAL/SEV/09/INS/08	Institutional strengthening	0	322,520	115,920	Mar 1993
MALAYSIA	MAL/SEV/10/PRP/14	Project preparation assistance	0	50,000	54,438	June 1993
MALAYSIA	MAL/SEV/10/TRA/13	National ODS Conference	0	40,000	40,000	June 1993
MALAYSIA	MAL/SOL/11/INV/18	Ngai Cheong Metal Industries	23	63,480	63,480	Nov 1993
MALAYSIA	MAL/SOL/11/INV/19	Matsushita Elec.Co. Main Plant	10	113,570	113,570	Nov 1993
MALAYSIA	MAL/SOL/11/INV/20	Matsushita Elec. Co. Port Klang	10	173,280	173,280	Nov 1993
MALAYSIA	's Subtotal :		333	2,512,661	2,033,561	
MEXICO	MEX/HAL/06/TAS/06	Preparatory study on halons	0	25,000	27,223	Feb 1992
MEXICO	MEX/SEV/04/PRP/03	Preparation of country program	0	50,000	52,277	June 1991
MEXICO	MEX/SEV/11/PRP/14	Project Preparation Assistance	0	50,000	0	Nov 1993
MEXICO	's Subtotal :		0	125,000	79,500	
NIGERIA	NIR/SEV/04/TRA/02	National seminar on industry	0	49,650	26,449	June 1991
NIGERIA	NIR/SEV/09/INS/04	Institutional strengthening	0	300,000	111,174	Mar 1993

Country	Project Number	Project Title	ODS tonnes	Budget US\$	Disbursed US\$	Date Approved
NIGERIA						
	's Subtotal :		0	349,650	137,623	
PANAMA	PAN/SEV/11/PRP/03	Project Preparation Assistance	0	30,000	0	Nov 1993
PANAMA	's Subtotal :		0	30,000	0	
PHILIPPINES	PHI/REF/04/TRA/01	Training programme Refrigeration	0	64,000	62,297	June 1991
PHILIPPINES	PHI/SEV/08/CPG/05	Country programme preparation	0	84,820	84,820	Oct 1992
PHILIPPINES	PHI/SEV/11/PRP/22	Project Preparation Assistance	0	50,000	15,000	Nov 1993
PHILIPPINES	PHI/SEV/11/TAS/20	Survey of ODS	0	100,000	0	Nov 1993
PHILIPPINES	's Subtotal :		0	298,820	162,117	
SRI LANKA	SRL/SEV/06/CPG/01	Country programme preparation	0	35,000	35,000	Feb 1992
SRI LANKA	's Subtotal :		0	35,000	35,000	
THAILAND	THA/FOA/11/INV/20	Thermaflex Insulation Asia Co.	30	220,000	0	Nov 1993
THAILAND	THA/SEV/04/TRA/02	Training -Gov't technical staff	0	50,000	53,785	June 1991
THAILAND	THA/SEV/09/INS/08	Institutional Strengthening	0	400,000	143,000	Mar 1993
THAILAND	THA/SEV/10/PRP/11	Project Preparation Assistance	0	50,000	27,000	June 1993
THAILAND	's Subtotal :		30	720,000	223,785	
TRINIDAD AND TOBAGO	TRT/SEV/04/TRA/01	Training Gov't Technical Staff	0	53,800	37,877	June 1991
TRINIDAD AND TOBAGO	TRT/SEV/06/CPG/03	Country programme preparation	0	25,000	14,000	Feb 1992
TRINIDAD AND TOBAGO	's Subtotal :		0	78,800	51,877	
URUGUAY	URU/SEV/04/TAS/01	Consultant -Technical assistance	0	13,050	9,461	June 1991
URUGUAY	URU/SEV/08/CPG/02	Country programme preparation	0	27,000	25,069	Oct 1992
URUGUAY	URU/SEV/10/INS/03	Institutional strengthening	0	173,800	53,000	June 1993
URUGUAY	's Subtotal :		0	213,850	87,530	
VENEZUELA	VEN/HA/09/TAS/09	Workshops-Recycling of Halons	0	26,800	23,100	Mar 1993
VENEZUELA	VEN/REF/04/TRA/01	TA in refrigeration sector	0	30,000	19,020	Jun 1991
VENEZUELA	VEN/REF/09/PRP/10	Workshops - Ref. Identification	0	19,800	8,400	Mar 1993
VENEZUELA	VEN/REF/09/TAS/11	Workshops on non-ODS Air/con	0	39,600	13,200	Mar 1993
VENEZUELA	VEN/REF/09/TAS/12	Pilot programme - Domestic Refr.	8	100,000	0	Mar 1993
VENEZUELA	VEN/SEV/09/INS/08	Institutional strengthening	0	329,192	111,227	Oct 1992
VENEZUELA	VEN/SEV/11/CPG/17	Venezuela Country Program	0	12,000	0	Nov 93
VENEZUELA	's Subtotal :		8	557,392	174,947	
REGIONAL	AFR/FOA/06/TRA/03	Low-CFC foam (M.E./Africa)	0	52,500	38,087	Feb 1992
REGIONAL	ASP/FOA/06/TRA/05	Low-CFC Foams (Asia & Pacific)	0	52,500	36,828	Feb 1992
REGIONAL	ASP/REF/06/TRA/03	MAC recycling-(M.E. and Asia)	0	45,000	0	Feb 1992
REGIONAL	GLC/HA/06/TRA/16	Two Halons Reduction (Afr/M.E.)	0	60,000	39,012	Feb 1992
REGIONAL	GLO/REF/06/TRA/03	MAC recycling demo Pr (Middle E)	0	45,000	0	Feb 1992
REGIONAL	LAC/FOA/06/TRA/02	Low-CFC foam (Latin America)	0	52,500	53,812	Feb 1992
REGIONAL	LAC/HA/06/TRA/03	Halons reduction - (Latin Am.)	0	60,000	0	Feb 1992
REGIONAL	LAC/REF/06/TRA/04	MAC CFC-recycling (Latin Am.)	0	45,000	0	Feb 1992
REGIONAL	LAC/REF/06/TRA/05	Industrial Refri. Latin America	0	23,000	23,047	Feb 1992
REGIONAL	's Subtotal :		0	435,500	190,786	
GLOBAL	GLO/ARS/06/TAS/05	Technical assistance in aerosols	0	60,000	44,212	Feb 1992
GLOBAL	GLO/FOA/06/TAS/08	Technical Assist'ce-Polyurethane	0	40,000	40,000	Feb 1992
GLOBAL	GLO/FOA/06/TAS/17	Technical Assist'ce-Polyurethane	0	60,000	60,000	Feb 1992
GLOBAL	GLO/HA/06/DEM/04	Procurement of 40 halon	0	250,000	250,000	June 1992
GLOBAL	GLO/HA/06/TAS/10	Technical Assistance in Halons	0	70,000	70,000	Feb 1992
GLOBAL	GLO/HA/08/TAS/23	Global Halons Project	0	390,000	39,015	Oct 1992
GLOBAL	GLO/REF/06/TAS/06	Technical Assistance in MAC	0	50,000	10,000	Feb 1992
GLOBAL	GLO/REF/06/TAS/07	Technical Assistance- Refrig.	0	90,000	40,000	Feb 1992
GLOBAL	GLO/REF/08/TAS/24	Global MAC project	0	360,000	33,766	Oct 1992
GLOBAL	GLO/SEV/06/TRA/11	Three National Policy Workshops	0	45,000	25,000	Feb 1992
GLOBAL	GLO/SEV/06/TRA/12	Two Study-Tours for Indus. Rep.	0	50,000	0	Feb 1992
GLOBAL	GLO/SEV/06/TRA/13	Participation at Workshops	0	140,000	131,737	Feb 1992
GLOBAL	GLO/SOL/06/TAS/09	Technical Assistance in Solvents	0	50,000	50,000	Feb 1992
GLOBAL	's Subtotal :		0	1,655,000	793,730	

GRAND TOTAL :

1,424 23,152,855 9,573,976

PART C STATUS OF APPROVED UNDP WORK PROGRAMMES

has been included in the

Consolidated Progress Report UNEP/OzL.Pro/ExCom/12/7

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