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

Fifteenth Meeting
Montreal, 13-16 December 1994

UNDP PROGRESS REPORT

This document includes:

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

COMMENTS AND RECOMMENDATION OF THE FUND SECRETARIAT

COMMENTS

1. During the reporting period, UNDP prepared 64 project proposals and completed 2 technical assistance activities, the Bangladesh country programmes, and one investment project which resulted in the phase-out of 15 tonnes of CFCs annually in Egypt. Disbursements/Obligations increased since the last progress report from US \$12.6 million to US \$17.3 million.

Investment projects

2. Progress is reported in terms of the preparation of investment projects, the completion of agreements to initiate disbursements/obligations, and the period of project execution which results in project commissioning and ODS phase-out.

3. During this reporting period, 64 project proposals of which 60 are being presented to the Executive Committee with a request for funding in the amount of US \$33.3 million. Project preparation accounts were exhausted for activities in Egypt, Indonesia, Malaysia, Mexico, the Philippines, Thailand and Venezuela.

4. UNDP doubled the number of agreements to initiate disbursement on investment projects from 14 investment projects with project document signatures for all previous meetings to 28 investment projects. Of the remaining 44 investment projects, information was not provided about agreements for 20 projects and 24 are pending signatures. Of those 24 projects, 18 were approved at the Thirteenth Meeting of the Committee. The average time that has elapsed for these 24 documents is approximately four months; one project, however, "the Elimination of CFCs in cleaning operations at Nanjing Wire Works", was approved 16 months ago.

5. One additional investment project which was commissioned during the reporting period was completed on schedule within budget and resulted in the 15 tonne annual CFC phase-out in Egypt. UNDP has in total completed/commissioned eight investment projects that have phased out a total of 427 ODS tonnes of consumption in two countries. Progress was reported on all but six of the 28 investment projects with agreements to disburse (signed project documents). Explanations were provided for the six projects for which delays were reported.

Technical assistance

6. Technical assistance includes institutional strengthening, country programme preparation, training and information dissemination.

7. Project document signatures are also required for institutional strengthening. Almost all of UNDP's 19 institutional strengthening projects have been signed and implementation begun with the exception of three that were approved at or since the Thirteenth Meeting of the Committee. Insufficient information was provided for most institutional strengthening projects

(ozone protection units) to ascertain progress but UNDP has subsequently requested its experts and staff to prepare written reports on the functioning of ozone protection units under UNDP supervision.

8. Progress was reported for the remaining country programmes in Trinidad and Tobago and Venezuela being prepared with UNDP assistance.

9. Of the 40 other technical assistance activities, sufficient information was provided to determine progress on 23 activities and delays in nine activities.

Administration

10. Project supervision is carried out by UNDP sector/process experts with assistance of the UNDP country offices, headquarters staff, and staff of the Office of Project Services (OPS) division of UNDP. OPS is responsible for the project execution/project commissioning stage of project implementation. Funds for this activity are covered by the 13 per cent agency fee applied to all projects.

11. Interest income of US \$559,861 comprises interest income of US \$202,851 for 1992 and US \$357,010 for 1993. This amount is available for use against approved funding by the this meeting of the Executive Committee for UNDP project activities. The interest income for 1994 will be credited only at the end of 1995 as per UNDP Treasury rules and is not known or available at this time.

RECOMMENDATION

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

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

(15th Meeting, 13-16 December 1994, Montreal)

PROGRESS REPORT
OF THE
UNITED NATIONS DEVELOPMENT PROGRAMME

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(includes recently completed projects)**
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Revised: 14 November 1994

UNDP PROGRESS REPORT

A. OPERATIONAL/POLICY DEVELOPMENTS

1. At the 13th Executive Committee Meeting (25-27 July 1994, Montreal), UNDP received project approval allocations of \$15.5 million. At the 14th Executive Committee Meeting (29-30 September 1994, Nairobi), a further \$1.4 million was approved under the UNDP work programme amendment. Thus, as of end-October 1994, UNDP's cumulative 1991-94 project allocations amounted to \$55.2 million.

2. UNDP's approved activities as of end-October 1994 are in the following categories:
(\$ millions):

	<u>1991-93</u>	<u>1994</u>	<u>TOTAL</u>
CPG (country prog. preparation)	1.01	-	1.01
DEM (demonstration projects)	0.41	1.67	2.08
INS (institutional strengthening)	4.04	1.24	5.28
INV (investment projects)	10.61	27.79	38.40
PRP (project preparation)	1.10	0.82	1.92
TAS (technical assistance)	4.53	0.66	5.19
TRA (training)	1.34	-	1.34
	==	==	==
TOTAL	23.04	32.18	55.22

3. UNDP's cumulative disbursements increased from \$12.56 million as reported in July 1994 to \$17.31 million as of end-October 1994. Disbursements by category are:

	<u>1991-93</u>	<u>1994</u>	<u>TOTAL</u>
CPG (country prog. preparation)	0.99	n.a.	0.99
DEM (demonstration projects)	0.41	0.13	0.54
INS (institutional strengthening)	1.65	0.14	1.79
INV (investment projects)	7.18	3.14	10.32
PRP (project preparation)	0.95	0.33	1.28
TAS (technical assistance)	1.37	0.11	1.48
TRA (training)	0.91	n.a.	0.91
	==	==	==
TOTAL	13.46	3.85	17.31

4. From project approvals of \$23.04 million during 1991-93, \$13.46 was expended which translates into a delivery rate of 58% over the period. Since 86% of current 1994 project approvals were for investment projects, with half of them approved in July 1994, implementation of those projects is ongoing and expenditures will be primarily in 1995.

5. The sectoral disaggregation of approved UNDP activities and the ODS tonnes to be phased out are as follows:

	Budgets (\$ mill.)	%	ODS Tonnes Phaseout
Aerosols	0.38	0.7	25
Foams	25.99	47.1	4,166
Halons	2.04	3.7	-
Methyl bromide	0.09	0.2	-
Refrigeration/AC/MAC	13.20	23.9	727
Solvents	4.11	7.4	379
Several	9.41	17.0	-
	==	==	==
TOTAL	55.22	100.0	5,297

6. The "Several" category above, as used by the Fund Secretariat, comprises ODS reconnaissance surveys, country programme preparation, institutional strengthening, project preparation assistance, small-scale industry data surveys, and global projects on policy, planning and technology assessment.
7. Under the Montreal Protocol, UNDP is at present active in the following 31 countries:
- AFRICA/MIDDLE EAST (7):**
Egypt, Ghana, Iran, Jordan, Kenya, Mauritius, Nigeria
- ASIA/PACIFIC (9):**
Bangladesh, China, India, Indonesia, Malaysia, Philippines, Sri Lanka, Thailand, Vietnam
- LATIN AMERICA/CARIBBEAN (15):**
Argentina, Brazil, Chile, Colombia, Costa Rica, Cuba, Ecuador, Guatemala, Jamaica, Mexico, Panama, Peru, Trinidad & Tobago, Uruguay, Venezuela

Projects/Activities Operationally Complete

8. UNDP, as of end-October 1994, had completed a total of 68 projects comprising:
- ODS SURVEYS:**
Bangladesh, Costa Rica, Iran
- COUNTRY PROGRAMMES:**
Bangladesh, China, Costa Rica, Cuba, India, Indonesia, Iran, Kenya, Philippines, Sri Lanka, Uruguay
- NATIONAL TRAINING, TECHNICAL ASSISTANCE & DEMONSTRATION PROJECTS:**
Bangladesh, Brazil, Chile, China, Ecuador, Egypt, Ghana, India, Jordan, Kenya, Malaysia, Nigeria, Philippines, Thailand, Uruguay, Venezuela
- REGIONAL WORKSHOPS & DEMONSTRATION PROGRAMMES:**
Asia/Pacific, Latin America/Caribbean, Middle East/Africa
- INVESTMENT PROJECTS:**
Egypt (5), Malaysia (3)

Projects/Activities Completed During June-October 1994

9. The following 11 projects/activities were completed during July-October 1994:

a) **BGD/SEV/06/CPG/02: Bangladesh: Country programme preparation**

Date of approval: Feb. 1992

Proposed completion date: 3Q1993

Actual completion date: 3Q1994

Approved funding: \$ 25,000

Expenditures/obligations: \$ 25,000

The Bangladesh Country Programme was approved at the 14th ExCom Meeting (Sept. 1994). While operationally complete, financial accounts are still open and may show expenditures slightly above or below current estimated expenditures.

b) **EGY/FOA/11/INV/18: Egypt: Conversion to CFC-11 free technology in the manufacture of rigid polyurethane foam at the SECC company**

Date of approval: Nov. 1993

Proposed completion date: 4Q1994

Actual completion date: 4Q1994

Approved funding: \$ 85,000

Expenditures/obligations: \$ 77,736

The project phased out 15 tonnes of CFC-11 by replacing it initially with HCFC-141b with a final switch later to full water blown technology for spray foams used for insulation of buildings, pipelines, tanks, etc. The replacement equipment was installed and the project commissioned in 3Q1994. While operationally complete, the financial accounts are still open for outstanding obligations.

c) **EGY/SEV/11/PRP/20: Egypt: Project preparation assistance**

Date of approval: Nov. 1993

Proposed completion date: 4Q1994

Actual completion date: 4Q1994

Approved funding: \$ 75,000

Expenditures/obligations: \$ 75,000

UNDP foam, refrigeration and halons sector consultant visits resulted in two foam projects (\$1,395,000), one refrigeration project (\$2,100,000) and one halons project (\$25,000) being approved at the 12th ExCom Meeting. Three additional foam projects (\$1,924,000) have been submitted to the 15th ExCom Meeting for approval. With this submission, the budget for this activity has been expended on schedule.

d) **IDS/SEV/11/PRP/06: Indonesia: Project preparation assistance**

Date of approval: Nov. 1993

Proposed completion date: 4Q1994

Actual completion date: 4Q1994

Approved funding: \$ 100,000

Expenditures/obligations: \$ 100,000

UNDP's solvent sector expert working with Government counterparts organized in July 1994 a solvent sector workshop attended by 100 industry representatives. As a follow-up in August 1994, two UNDP solvents sector experts assisted industry develop a portfolio of projects, three of which have been submitted to the 15th ExCom for approval. UNDP's halons sector expert visited in August 1994 and help run a halons sector project preparation workshop; two projects are being finalized for presentation to the 16th ExCom Meeting. UNDP's refrigeration sector expert visited Indonesia in June 1994 and projects should be presented for approval at the 16th ExCom meeting.

e) **MAL/SEV/12/PRP/31: Malaysia: Project preparation assistance**

Date of approval: March 1994

Proposed completion date: 2Q1995

Approved funding: \$ 100,000

Actual completion date: 4Q1994

Expenditures/obligations: \$ 100,000

Several UNDP expert visits during April-October 1994 identified and finalized project proposals in the foam, solvents and halon sectors. In July 1994, 9 projects in the foam sector (including refrigeration foam) totalling \$2.6 million were approved at the 13th ExCom meeting. For the 15th ExCom meeting, 6 foam projects and 1 solvent project have totalling \$1.6 million have been submitted for approval. Several additional project proposals in the foam, solvent and halon sectors remain to be finalized.

f) **MEX/SEV/11/PRP/14: Mexico: Project preparation assistance**

Date of approval: Nov. 1993

Proposed completion date: 4Q1994

Approved funding: \$ 50,000

Actual completion date: 4Q1994

Expenditures/obligations: \$ 50,000

UNDP refrigeration and foams sector experts as well as UNDP/MPU staff visited Mexico in July and October 1994, resulting in two project proposals in domestic refrigeration (\$7.5 million) submitted for approval to the 15th ExCom meeting. In addition UNDP, cooperating closely with USEPA, has supported USEPA technical visits in halons, MAC, commercial refrigeration and solvents sectors; two solvents projects jointly developed with USEPA have been submitted for 15th ExCom approval under UNDP implementation. Further activities will continue under the newly approved project MEX/SEV/14/PRP/18.

g) **PHI/SEV/11/PRP/22: Philippines: Project preparation assistance**

Date of approval: Nov. 1993

Proposed completion date: 4Q1994

Approved funding: \$ 50,000

Actual completion date: 4Q1994

Expenditures/obligations: \$ 50,000

UNDP foam consultants visits in June 1994 resulted 4 foam projects amounting to \$1.56 million approved at the 13th ExCom meeting. Further visits in July and August have resulted in additional foam project proposals that are being finalized for presentation at the 16th ExCom meeting. The solvents project preparation workshop being conducted during 7-11 November will result in project proposals to be submitted to the 16th and future ExCom meetings. This completed activities under this project.

h) **THA/SEV/10/PRP/11: Thailand: Project preparation assistance**

Date of approval: June 1993

Proposed completion date: 2Q1994

Approved funding: \$ 50,000

Actual completion date: 3Q1994

Expenditures/obligations: \$ 50,000

At the 13th ExCom meeting in July 1994, three foam projects (\$1,478,800) were approved for UNDP implementation. In September 1994, two UNDP foam sector consultants visited Thailand, resulting in the finalization of three foam projects (\$920,000) which have been submitted to the 15th ExCom Meeting for approval. UNDP's aerosols expert also visited Thailand in September 1994 and an aerosols sector safety and technical assistance programme (\$127,000) has been submitted to the 15th ExCom Meeting for approval. This completes the activities under this project.

i) **VEN/REF/09/PRP/10: Venezuela: Workshops for identification of projects in the refrigeration sector**

Date of approval: March 1993

Proposed completion date: 4Q1993

Actual completion date: 4Q1994

Approved funding: \$ 19,800

Expenditures/obligations: \$ 19,800

Second workshop will be held 17 November 1994 in Caracas covering airconditioning for the residential sector. This is the last activity under this project.

j) **GLO/REF/06/TAS/07: Global: Technical assistance in refrigeration**

Date of approval: Feb. 1992

Proposed completion date: 4Q1992

Actual completion date: 3Q1994

Approved funding: \$ 90,000

Expenditures/obligations: \$ 90,000

Most of these activities had been completed, and funds utilized, by mid-1994. UNDP refrigeration sector consultants reviewed draft project proposals prepared by countries which had not received project preparation advances. These activities were completed by September 1994 and the project ended with all funds disbursed.

k) **GLO/SEV/06/TRA/13: Global: Participation at workshops and key meetings**

Date of approval: Feb. 1992

Proposed completion date: 4Q1992

Actual completion date: 4Q1994

Approved funding: \$ 140,000

Expenditures/obligations: \$ 131,737

Operationally completed but financial obligations still open to cover costs of two developing country representatives (Philippines, Uruguay) at the 1994 International CFC and Halons Alternatives Conference, 24-26 October 1994, Washington, D.C.

ODS Phaseout Projects Completed

10. With the completion of the SECC foam investment project in Egypt that phased out 15 tonnes of CFC-11, UNDP has in total completed/commissioned 8 investment projects have phased out a total of 427 ODS tonnes comprising 399 ODS tonnes in the foam sector (6 projects), 18 ODS tonnes in refrigeration (1 project) and 10 ODS tonnes in solvents (1 project). Five of these projects were in Egypt and three in Malaysia.

Project Monitoring System

11. This system developed by UNDP/MPU is now used on a continuous basis for project activity monitoring and updating. UNDP has shared this programme with the Fund Secretariat and has offered it free of charge to the other implementing agencies.

Interest Income

12. According to UNDP's Financial Report (31 December 1993), interest earned up to end-1992 was \$202,851 in UNDP's Montreal Protocol Trust Fund and is available for offset against new approvals to UNDP. Interest earned during 1993 is \$357,010, which would be officially credited to the Trust Fund on 31 December 1994; given the shortage of funds, this latter figure could also be utilized at the 15th ExCom Meeting to offset new approvals to UNDP.

UNDP Reorganization

13. On 26 August 1994, UNDP established a new BUREAU FOR POLICY AND PROGRAMMING SUPPORT (BPPS) that comprises the following Divisions:
 - a) Social Development and Poverty Elimination Division
 - b) Sustainable Energy and Environment Division
 - c) Management Development and Governance Division
 - d) Science, Technology and Private Sector Division
 - e) United Nations Capital Development Fund
 - f) Division for Operational Policies and Procedures.
14. The SUSTAINABLE ENERGY AND ENVIRONMENT DIVISION (SEED) comprises:
 - a) Sustainable Natural Resources Management This is headed by Mr. Luis Gomez-Echeverri.
 - b) Energy, Climate and Pollution This is headed by Dr. Thomas B. Johansson. **The Montreal Protocol Unit, now located here, reports to Dr. Johansson.**
 - c) Global Environment Facility (GEF) The Acting Executive Coordinator is Mr. Michael Gucovsky.
 - d) UN Sudano-Sahelian Office (UNSO) The Director is Mr. Samuel Nyambi.
15. There has been no change in the management structure of UNDP/OPS. A listing of UNDP staff involved in Montreal Protocol operations is part of this report.

COUNTRY DEVELOPMENTS: HIGHLIGHTS

ARGENTINA

UNDP foam and halon sector experts have visited Argentina. One foam project (Prensiplast) was approved at the 14th ExCom Meeting and a second foam project (CINTER) has been submitted to the 15th ExCom for approval. A national halons sector strategy is being prepared and should be ready by mid-1995. UNDP's foam sector expert will visit Argentina in December 1994.

BANGLADESH

The CP was approved at the 14th ExCom meeting, together with the Institutional Strengthening project. An aerosol conversion proposal is currently under review by the UNDP expert, and UNDP's refrigeration sector expert as well as the MPU Asia/Pacific Programme Officer will launch project preparation activities in late-November 1994.

BRAZIL

UNDP has designed and is implementing only one investment project (spray foam) in Brazil. Following a joint meeting between UNDP/UNIDO/World Bank and the Government of Brazil scheduled for 6-7 December 1994 in Brasilia, it is expected that the pace of investment project design and implementation would increase and that UNDP would be part of the accelerated process.

CHINA

The reorganization within NEPA is now complete and the Project Management Office has been strengthened with additional staff. Internal procedures between NEPA and the line Ministries as well as working arrangements with UNDP are in place. Detailed workplans for most projects have been completed and implementation is accelerating. China's finalizing its ODS phaseout sectoral strategies has facilitated project preparation and interagency coordination, with agencies concentrating on the sub-sector(s) assigned to them by NEPA and the line Ministries. During 1995, UNDP has been requested to continue its activities in the foam, halon and solvent sectors, and will initiate activities in the refrigeration sector.

COLOMBIA

For the two projects (\$5.88 million) to phaseout CFCs in polystyrene and domestic refrigerator manufacturing approved at the 13th ExCom, an OPS implementation visit took place in August 1994 and equipment specifications are being finalized. Following visits by UNDP's foam and refrigeration sector experts in July and October, 3 projects in the commercial refrigeration sector were finalized and submitted for approval to the 15th ExCom. Another project implementation visit is scheduled for December 1994.

COSTA RICA

UNDP's refrigeration sector expert visited in July and UNDP's refrigerant recovery/recycling expert visited in October 1994. The two projects are being finalized and should be ready for submission to the 16th ExCom meeting.

CUBA

Following a joint visit in mid-October by UNDP's refrigerant recovery/recycling expert, UNDP staff and a Fund Secretariat representative, a refrigerant recovery/recycling project has been prepared and submitted for approval to the 15th ExCom meeting.

EGYPT

In early September, a UNDP team (2 foam experts, 1 pentane/machine expert, 1 OPS officer) visited Egypt and resolved several implementation bottlenecks. One project, SECC (15 tonnes ODS) involving purchase of mobile spray foaming units was commissioned by UNDP in September 1994. The Taki-Vita (moulded flexible foam: 50 tonnes ODS) project is operationally complete and will be commissioned in January 1995. For the last company manufacturing slabstock with CFCs, a conversion project has been submitted to the 15th ExCom for approval, completing ODS phaseout in this foam subsector. Umbrella projects for rigid foam and commercial refrigeration will be submitted for 16th ExCom approval so Egypt can complete its ODS phaseout in both foams and commercial refrigeration. In halons, it is expected that the action plan for a halon banking system will be finalized by March 1995.

GHANA

A technology evaluation visit to the USA by Ghanaian industry technicians in the safe use of methylene chloride took place. The refrigerant recovery/recycling project is being implemented. The institutional strengthening project is progressing satisfactorily with staff recruited. UNDP staff had discussions in Washington D.C. on 25 October with the head of the Ozone Unit and helped finalize disbursement schedule formalities.

GUATEMALA

Visits by UNDP's refrigeration sector consultant in July 1994 resulted in finalization of two commercial refrigeration projects submitted for approval at the 15th ExCom.

INDIA

The institutional strengthening and small-scale sector ODS survey projects are proceeding. The Government wants UNDP (and UNIDO) to utilize the Industrial Development Bank of India as financial intermediary for project implementation for medium/larger enterprises. UNDP management has determined that this modality is not possible under UNDP procedures governing Montreal Protocol project implementation and has requested the Government to follow established procedures that apply to the other 30 countries where UNDP has MP projects. In the interim, no action can be taken on the five approved foam sector projects and the one approved halons sector project. Project preparation activities are also on hold.

INDONESIA

A halons workshop was conducted in July and several project proposals were identified, including a proposal for a halon banking system. Two solvents workshops were held in July and September respectively. Over 25 companies were identified; 3 projects have been finalized and submitted to the 15th ExCom for approval.

JAMAICA

Preparatory assistance funds were recently approved and a first refrigeration sector visit is scheduled for December 1994.

MALAYSIA

With nine projects approved at the 13th ExCom in July, UNDP devoted 3Q1994 to project implementation. A team of UNDP experts and OPS staff visited Malaysia during August/September 1994 and finalized equipment specifications. Several subcontracts were also finalized and procurement activities launched for others. Foam and solvent sector project preparation visits were fielded in September 1994: 14 foam and domestic refrigeration projects were identified, of which 6 were finalized and submitted to the 15th ExCom for approval. The solvents visit formulated a regional demonstration programme for the small-scale sector and this is currently under review. UNDP's Asia/Pacific Programme Officer will visit in mid-November 1994. For 1995, UNDP has been requested to also focus on the aerosol and halons sectors.

MAURITIUS

A UNDP expert visit in September 1994 helped select the appropriate implementation option for the approved COMANU aerosols project. In addition, two refrigeration sector project proposals were finalized and have been submitted to the 15th ExCom meeting for approval.

MEXICO

Two large domestic refrigeration manufacturing projects were finalized and submitted to the 15th ExCom meeting for approval. Two solvents sector projects are also being submitted prepared by USEPA in collaboration with UNDP. Cooperation continues with USEPA in the field of end-user refrigeration (supermarkets), halons and solvents.

PAKISTAN

The institutional strengthening project was approved at the 14th ExCom meeting in September 1994. A detailed implementation workplan is under preparation.

PANAMA

Implementation of a foam sector investment project approved in July 1994 is underway. UNDP has been requested to assist the Government in recovery and recycling of refrigerants, which request is being followed-up.

PERU

Visits by UNDP foam and refrigeration sector consultants in 3Q1994 resulted in the formulation of 6 investment projects in the domestic refrigerator manufacturing sector which have been submitted to the 15th ExCom meeting for approval. A project implementation visit will take place in December 1994.

PHILIPPINES

UNDP's solvent sector expert is visiting the Philippines during 7-11 November 1994 accompanied by a MPU staff member. Several solvents sector proposals are being finalized and should be ready for presentation at the 16th and succeeding ExCom Meetings.

SLOVENIA

The foam sector investment project submitted to the 13th ExCom meeting for approval is still on hold as UNDP is awaiting confirmation as to the eligibility of Slovenia as an Article 5, para. 1 Party to the Protocol.

SRI LANKA

The institutional strengthening project is underway and procurement of office equipment has been initiated. Information on refrigeration/AC sector ODS consumption was collected for an ODS database, and an ODS information dissemination campaign is being prepared. UNDP's refrigeration sector expert as well as UNDP's Asia/Pacific MPU programme officer will visit in mid-November for project formulation.

THAILAND

The Hand-over Protocol for the Thermaflex (foam) project was signed on 16 July 1994 after a satisfactory safety inspection by a UNDP expert. The halon sector was reviewed and several proposals, including a halon banking system, are under review. UNDP experts/staff visited Thailand in August/September for project preparation and implementation; 3 projects were finalized and submitted for approval at the 15th ExCom meeting. A refrigeration sector visit is scheduled for late-November and UNDP's Asia/Pacific MPU Programme Officer will participate in that visit.

TRINIDAD & TOBAGO

Country Programme formulation is finally underway and could perhaps be ready for presentation at the 16th ExCom meeting.

URUGUAY

Two foam sector investment projects were approved at the 13th ExCom meeting, and an implementation visit is scheduled for November 1994. A refrigerant recovery/recycling project is being implemented following a visit by UNDP's ODS recovery/recycling consultant in July 1994. A foam sector visit is scheduled for Nov. 1994.

VENEZUELA

The Government has requested UNDP to initiate project formulation activities in the domestic and commercial refrigeration sectors and a formal project preparation request was submitted to the 15th ExCom meeting. UNDP staff visited Venezuela in October 1994 to review project implementation in approved technical assistance projects. A refrigeration sector expert visit is scheduled for December 1994.

VIETNAM

UNDP foam and halon sector 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 project identification activities underway. The foam and halons sector data collected has been copied to UNEP and the French bilateral programme to assist in country programme finalization.

REGIONAL/GLOBAL PROJECTS: HIGHLIGHTS

- a) **Global Halons** : A follow-up visit by USEPA to Venezuela in August/September 1994 met with commercial H-1211 users and the military to discuss how best to meet their halon requirements. This is part of a continuing cooperation between UNDP and USEPA. Countries where future activities are foreseen include China, Fiji, Malaysia, Philippines, Panama, Uruguay and Venezuela.
- b) **Global MAC**: The first phase of the pilot MAC demonstration project in Venezuela, jointly implemented by USEPA/UNDP/FONDOIN, is almost completed. A preliminary report has been submitted by FONDOIN to UNDP/USEPA. As a follow-up, Venezuela has submitted a proposal for implementation of phase II to the 15th ExCom. Planned 1995 work programme activities include Argentina, Brazil, China, Colombia, Ecuador, India, Mexico and the Philippines.
- c) **Regional MAC**: The three regional MAC recycling training and demonstration programmes (Asia, Latin America, Middle East) will now be implemented with USEPA assistance and will concentrate on training and demonstration activities.

MEETINGS ATTENDED AND INTERAGENCY COOPERATION

- a) Mr. Anthony Brough, Fund Secretariat consultant, met with UNDP (MPU/OPS/Finance) officials on 22 July 1994 to discuss administrative cost reporting to the MLF.
- b) UNDP/MPU staff (Mr. Jacques Van Engel) attended and made presentations at the 23 July 1994 Workshop organized by SEDESOL and USEPA/ICF in Mexico City for the refrigeration end-user sector (specifically for supermarket chains).

- c) **UNDP/MPU staff (Mr. Frank Pinto) represented UNDP at the "Meeting on the Montreal Protocol: Implementation in the CIS and Baltic States" held in Minsk, Belarus, during 15-17 August 1994, funded through the GEF.**
- d) **UNDP/MPU staff (Mr. Frank Pinto, Ms. Laurence Reno and Ms. Cecilia Corpus) participated at the 14th Executing Committee Meeting (28-30 September) and at the 6th Meeting of the Parties to the Protocol (3-7 October 1994), both in Nairobi.**
- e) **UNDP/MPU staff convened two meetings of the Working Group on Strategy and Action Plan for Low Halon-consuming Countries in Nairobi during 4-5 October 1994.**
- f) **UNDP/MPU staff had discussions with the Mr. K.M. Sarma, Coordinator, Ozone Secretariat, Nairobi, during 3-6 October 1994 in Nairobi.**
- g) **UNDP/MPU staff met with the Philippines delegation at the Sixth Meeting of the Parties and reviewed ongoing and future UNDP involvement in the various sectors.**
- h) **Two programme management officers from NEPA/China (Messrs. Yang Lirong and Zhang Yi) came to UNDP/New York from 20 September thru 26 October 1994 for detailed hands-on training by OPS on project implementation (including international procurement procedures).**
- i) **UNDP/MPU staff attended the 1994 International Conference on CFC and Halons Alternatives, held in Washington DC during 24-26 October 1994 and acted as panel moderators for technology transfer sessions.**
- j) **UNDP/MPU staff (Frank Pinto) participated at the emergency meeting called by the Chief Officer of the Fund Secretariat for UNDP/UNIDO/World Bank at the World Bank offices in Washington, D.C. on 31 October 1994.**
- k) **The Malaysia Ozone Unit Coordinator (Mr. Ismail Ithnin), during a stopover on his technology evaluation visit in the US, visited UNDP on 2 November to discuss with OPS project implementation procedures and with MPU a draft 1995 work programme.**
- l) **During 10-11 November, the COWIConsult team on the evaluation of the financial mechanism of the Multilateral Fund visited UNDP for detailed discussions.**
- m) **During 6-7 December, UNDP/MPU staff will participate in a joint UNDP/UNIDO/World Bank visit to Brazil for discussions with the Government of Brazil on the roles of the respective implementing agencies in the national ODS phaseout programme.**
- n) **UNDP/MPU staff will participate at the 15th Meeting of the Executive Committee to be held in Montreal during 11-16 December 1994.**

UNDP'S MONTREAL PROTOCOL STAFF AND EXPERTS/CONSULTANTS

- o Mr. Thomas B. Johansson, Director, Energy, Climate and Pollution Group, SEED (Sustainable Energy and Environment Division).
- o Mr. Frank Pinto, Principal Technical Adviser, and Chief, Montreal Protocol Unit (MPU), ECP/SEED.
- o Ms. Laurence Reno, Programme Officer, MPU, covering Asia/Pacific, Sub-Sahara Africa and part of the Middle East.
- o Mr. Jacques Van Engel, Environment Specialist, MPU, covers Latin America/Caribbean, and part of the Middle East and North Africa.
- o Ms. Cecilia Corpus, Principal Prog/Admin Assistant, MPU, covers administrative/programming and financial matters in all regions and is desk officer for the Philippines.
- o Mr. Jessie Reyes, MPU Administrative Assistant.

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

- o Mr. Ingolf Schuetz-Mueller, Chief, Division for Special and Interregional Programmes and Europe, OPS
- o Ms. Linda Cauvin, Programme Management Officer
- o Ms. Inge Huls, Environmental Specialist/Programme Management Officer
- o Ms. Nahid Chaudhury, Programme Management Assistant.
- o Ms. Olga Cestero-Ferguson, Programme Management Assistant.
- o Ms. Dionysia Geka-Solomos, Consultant

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

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

- o Aerosols : Mr. Geno Nardini
- o Country prog & policy : Mr. Clinton Norris
- o Foams : Mr. Bert Veenendaal
- o Halons : Mr. Erik Pedersen
- o Refrigeration/AC : Mr. Stuart Kelly
- o Solvents : Mr. Clinton Norris

Many other international experts, in all sectors, have also been utilized as consultants, particularly in project preparation. UNDP has also utilized and continues to utilize several national experts on a part-time basis including those from Brazil, China, Malaysia, Mexico and Venezuela.

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(15ECWP2)

UNDP WORK PROGRAMME UNDER THE MONTREAL PROTOCOL

FINANCIAL SUMMARY

(as of 31 October 1994)

COUNTRY/ REGION	FUND ALLOCATIONS	DISBURSEMENTS/ OBLIGATIONS	REMAINING BALANCE
ARGENTINA	849,500	44,657	804,843
BANGLADESH	265,000	78,850	186,150
BRAZIL	898,100	184,947	713,153
CHILE	25,000	25,000	0
CHINA	9,673,334	2,226,368	7,446,966
COLOMBIA	6,298,690	166,651	6,132,039
COSTA RICA	433,400	241,581	191,819
CUBA	222,000	97,273	124,727
ECUADOR	140,000	140,000	0
EGYPT	8,779,500	4,269,235	4,510,265
GHANA	923,200	229,923	693,277
GUATEMALA	30,000	19,857	10,143
INDIA	3,214,100	470,816	2,743,284
INDONESIA	614,780	413,260	201,520
IRAN	315,550	145,785	169,765
JAMAICA	30,000	0	30,000
JORDAN	41,000	41,000	0
KENYA	209,850	75,582	134,268
MALAYSIA	9,508,200	4,998,964	4,509,236
MAURITIUS	87,150	5,385	81,765
MEXICO	225,000	149,870	75,130
NIGERIA	349,650	137,623	212,027
PAKISTAN	259,000	0	259,000
PANAMA	185,000	16,599	168,401
PERU	100,000	48,439	51,561
PHILIPPINES	3,424,340	621,937	2,802,403
SRI LANKA	219,680	94,040	125,640
THAILAND	3,758,800	466,785	3,292,015
TRINIDAD/TOBAGO	78,800	56,877	21,923
URUGUAY	1,280,744	141,288	1,139,456
VENEZUELA	557,392	436,188	121,204
VIETNAM	100,000	29,935	70,065
=====			
SUBTOTAL (A)	53,096,760	16,074,715	37,022,045
=====			
REGIONAL	435,500	235,628	199,872
GLOBAL	<u>1,693,717</u>	<u>999,065</u>	<u>694,652</u>
SUBTOTAL (B)	2,129,217	1,234,693	894,524
=====			
GRAND TOTAL	55,225,977	17,309,408	37,916,569
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ONGOING UNDP PROJECTS UNDER THE MULTILATERAL FUND

printed on: 15/11/94

NOV. 15 1994

Country	MP-Number	UNDP-Nr	Ex.Ag	Project Title	ODS tonnes	Budget US\$	Disbursed US\$	Date Approved
1			OPS		0	0	0	
	's Subtotal :				0	0	0	
1 ARGENTINA	ARG/FOA/14/INV/13	ARG/94/G62	OPS	Foam investment: Presiplast	30	345,000	0	Sept. 94
2 ARGENTINA	ARG/HAL/13/TAS/07	INT/94/G61	OPS	TA for national Halons programme	0	50,000	5,430	July 94
3 ARGENTINA	ARG/SEV/04/TAS/01	INT/91/G61	OPS	TA for CP preparation	0	25,000	25,000	June 91
4 ARGENTINA	ARG/SEV/13/INS/11	ARG/94/G61	Nat	Institutional Strengthening	0	359,500	0	July 94
5 ARGENTINA	ARG/SEV/14/PRP/12	INT/94/G61	OPS	Project Preparation Assistance	0	70,000	14,227	Sept. 94
ARGENTINA	's Subtotal :				30	849,500	44,657	
1 BANGLADESH	BGD/SEV/04/TAS/01	INT/91/G61	OPS	ODS survey and training	0	55,000	53,850	June 91
2 BANGLADESH	BGD/SEV/06/CPG/02	INT/92/G61	OPS	Country programme preparation	0	25,000	25,000	Feb. 92
3 BANGLADESH	BGD/SEV/14/INS/04	BGD/94/G61	Nat	Institutional Strengthening	0	150,000	0	Sept. 94
4 BANGLADESH	BGD/SEV/14/PRP/03	INT/94/G61	OPS	Project Preparation Assistance	0	35,000	0	Sept. 94
BANGLADESH	's Subtotal :				0	265,000	78,850	
1 BRAZIL	BRA/FOA/12/INV/11	BRA/94/G61	Nat	Rigid spray PUF (3 companies)	72	370,000	0	Mar. 94
2 BRAZIL	BRA/REF/06/DEM/01	INT/92/G61	OPS	Demo prog for refrig CFC reuse	0	25,000	25,000	Feb. 92
3 BRAZIL	BRA/SEV/10/INS/09	BRA/93/G61	Nat	Institutional Strengthening	0	403,100	125,222	June 93
4 BRAZIL	BRA/SEV/11/PRP/10	INT/93/G61	OPS	Project Preparation Assistance	0	100,000	34,725	Nov. 93
BRAZIL	's Subtotal :				72	898,100	184,947	
1 CHILE	CHI/REF/06/DEM/02	INT/92/G61	OPS	Demo prog: refrig technicians	0	25,000	25,000	Feb. 92
CHILE	's Subtotal :				0	25,000	25,000	
1 CHINA	CPR/ARS/06/TAS/02	INT/92/G61	OPS	Guangdong aerosols project TA	0	75,000	45,684	Feb. 92
2 CHINA	CPR/FOA/06/TAS/03	INT/92/G61	OPS	TA in flexible PUF	0	70,000	65,000	Feb. 92
3 CHINA	CPR/FOA/06/TAS/04	INT/92/G61	OPS	Quality control: home refrig.	0	65,000	60,019	Feb. 92
4 CHINA	CPR/FOA/06/TAS/05	INT/92/G61	OPS	TA: subs. technologies rigid PUF	0	70,000	70,000	Feb. 92
5 CHINA	CPR/FOA/07/TAS/17	CPR/93/G64	Nat	TA for BHEARI foam inv. project	0	480,000	50,000	June 92
6 CHINA	CPR/FOA/10/INV/52	CPR/93/G71	Nat	Tianjin conversion: flexible PUF	180	1,080,000	884,250	June 93
7 CHINA	CPR/FOA/10/TAS/37	CPR/93/G67	Nat	Strategy/action programme foams	0	200,000	40,000	June 93
8 CHINA	CPR/FOA/11/INV/54	CPR/93/G72	OPS	BCMF rigid PUF (Spray) inv.	30	435,000	0	Nov. 93
9 CHINA	CPR/FOA/13/INV/67	INT/94/G62	OPS	Yangfeng flex & intgrl skin PUF	68	670,000	0	July 94
10 CHINA	CPR/FOA/13/INV/73	CPR/94/G65	Nat	Danshui XPE foam sheets inv.	160	241,000	0	July 94
11 CHINA	CPR/FOA/10/TAS/74	CPR/94/G66	OPS	Tianjin Plastics rigid PUF inv.	100	690,000	0	July 94
12 CHINA	CPR/FUM/12/TAS/60	CPR/94/G61	Nat	Methyl Bromide Survey	0	87,000	0	Mar. 94
13 CHINA	CPR/HAL/06/TAS/06	INT/92/G61	OPS	Study: Halons uses/substitutes	0	40,000	43,345	Feb. 92
14 CHINA	CPR/HAL/10/TAS/39	CPR/93/G69	Nat	Halon phaseout plan/codes/train.	0	280,000	0	June 93
15 CHINA	CPR/HAL/10/TAS/40	CPR/93/G70	Nat	Halon phaseout: alter. systems	0	300,000	0	June 93
16 CHINA	CPR/HAL/12/INV/58	INT/94/G61	OPS	Air compressors: H-1211 machines	0	155,000	116,552	Mar. 94
17 CHINA	CPR/REF/06/TAS/07	INT/92/G61	OPS	Study: HFC-134a in MAC/recycling	0	40,000	24,836	Feb. 92
18 CHINA	CPR/REF/06/TRA/08	INT/92/G61	OPS	Study: Non-ODS refrig. technol.	0	75,000	75,000	Feb. 92
19 CHINA	CPR/REF/09/TAS/27	CPR/93/G63	Nat	Testing CFC substitutes: refrig.	0	100,000	0	Mar. 93
20 CHINA	CPR/REF/10/TAS/38	CPR/93/G68	Nat	Design standards: cold storage	0	200,000	0	June 93
21 CHINA	CPR/REF/11/TAS/55	CPR/93/G73	Nat	Nat. policy CFC recov/recycling	0	100,000	0	Nov. 93
22 CHINA	CPR/SEV/06/CPG/12	INT/92/G61	OPS	Country programme preparation	0	200,000	200,000	Feb. 92
23 CHINA	CPR/SEV/06/INS/11	CPR/93/G61	Nat	Institutional Strengthening	0	450,000	180,000	Mar. 93
24 CHINA	CPR/SEV/06/TAS/10	INT/92/G61	OPS	Quality control testing: refrig.	0	70,000	0	Feb. 92
25 CHINA	CPR/SEV/09/PRP/28	INT/93/G61	OPS	Project preparation assistance	0	100,000	100,000	Mar. 93
26 CHINA	CPR/SEV/09/TAS/29	CPR/93/G62	Nat	Survey: small CFC plant convers.	0	90,000	39,853	Mar. 93
27 CHINA	CPR/SEV/11/PRP/51	INT/93/G61	OPS	Project Preparation Assistance	0	100,000	100,000	Nov. 93
28 CHINA	CPR/SEV/11/TAS/56	CPR/93/G74	Nat	Non-ODS Alternatives Standards	0	362,500	0	Nov. 93
29 CHINA	CPR/SOL/06/TAS/09	INT/92/G61	OPS	Study: Non-ODS electron. clean.	0	40,000	41,829	Feb. 92
30 CHINA	CPR/SOL/07/DEM/20	CPR/92/G61	Nat	Dalian precision parts cleaning	86	495,000	45,000	June 92
31 CHINA	CPR/SOL/07/DEM/21	CPR/92/G62	Nat	Dandong electro. tuner cleaning	25	495,000	45,000	June 92
32 CHINA	CPR/SOL/10/INV/35	CPR/93/G65	Nat	Nanjing Wire Works cleaning proj	14	409,000	0	June 93
33 CHINA	CPR/SOL/10/INV/36	CPR/93/G66	Nat	Chengdu Radio cleaning project	11	394,700	0	June 93
34 CHINA	CPR/SOL/12/INV/57	CPR/94/G64	Nat	Cleaning Equipment Manufacturing	0	524,734	0	Mar. 94
35 CHINA	CPR/SOL/12/TAS/61	CPR/94/G63	Nat	Cleaning Applications Centre	0	489,400	0	Mar. 94
CHINA	's Subtotal :				674	9,673,334	2,226,368	
1 COLOMBIA	COL/FOA/13/INV/05	COL/94/G63	OPS	Polystyrene foam inv (2 plants)	320	1,072,000	0	July 94
2 COLOMBIA	COL/REF/13/INV/04	COL/94/G62	OPS	Dom. refrig. inv proj (5 plants)	226	4,808,900	0	July 94
3 COLOMBIA	COL/SEV/12/INS/02	COL/94/G61	Nat	Institutional Strengthening	0	317,790	85,100	Mar. 94
4 COLOMBIA	COL/SEV/12/PRP/03	INT/94/G61	OPS	Project Preparation Assistance	0	100,000	81,551	Mar. 94
COLOMBIA	's Subtotal :				546	6,298,690	166,651	

Country	MP-Number	UNDP-Nr	Ex.Ag	Project Title	ODS tonnes	Budget US\$	Disbursed US\$	Date Approved
1 COSTA RICA	CSR/FOA/08/TRA/05	COS/92/G63	Nat	Seminar/workshop in foams	0	21,120	10,000	Oct. 92
2 COSTA RICA	CSR/REF/08/TRA/04	COS/92/G63	Nat	Conservation/training in refrig.	0	88,000	40,000	Oct. 92
3 COSTA RICA	CSR/SEV/04/TAS/01	COS/92/G62	OPS	ODS reconnaissance study	0	20,000	23,422	June 91
4 COSTA RICA	CSR/SEV/06/CPG/02	COS/92/G62	OPS	Country programme preparation	0	20,000	22,909	Feb. 92
5 COSTA RICA	CSR/SEV/08/INS/03	COS/92/G61	Nat	Institutional Strengthening	0	213,160	125,608	Oct. 92
6 COSTA RICA	CSR/SEV/08/TRA/07	INT/92/G61	OPS	Consultants: CP implementation	0	50,000	9,642	Oct. 92
7 COSTA RICA	CSR/SOL/08/TRA/06	COS/92/G63	Nat	Seminar/workshop in solvents	0	21,120	10,000	Oct. 92
COSTA RICA	's Subtotal :				0	433,400	241,581	
1 CUBA	CUB/REF/13/DEM/03	INT/94/G61	OPS	Phaseout strategy: Refrigeration	0	30,000	6,273	July 94
2 CUBA	CUB/SEV/08/CPG/01	INT/92/G61	OPS	Country programme preparation	0	20,000	15,000	Oct. 92
3 CUBA	CUB/SEV/10/INS/02	CUB/93/G61	Nat	Institutional Strengthening	0	172,000	76,000	June 93
CUBA	's Subtotal :				0	222,000	97,273	
1 ECUADOR	ECU/REF/06/TRA/03	INT/92/G61	OPS	CFC refrigerant conversion trng.	0	140,000	140,000	Feb. 92
ECUADOR	's Subtotal :				0	140,000	140,000	
1 EGYPT	EGY/FOA/08/INV/05	EGY/92/G61	OPS	Misr Foams Flexible PUF inv.	121	497,000	500,489	Oct. 92
2 EGYPT	EGY/FOA/08/INV/06	EGY/92/G61	OPS	Taki-Vita rigid PUF inv project	50	352,500	352,500	Oct. 92
3 EGYPT	EGY/FOA/08/INV/07	EGY/92/G61	OPS	Technopol molded PUF inv. proj.	55	645,000	676,211	Oct. 92
4 EGYPT	EGY/FOA/09/INV/10	EGY/92/G61	OPS	Al-Sharif Plastic XPS foam inv.	75	498,000	13,880	Mar. 93
5 EGYPT	EGY/FOA/09/INV/11	EGY/92/G61	OPS	Misr Foams molded PUF inv. proj.	28	275,000	284,431	Mar. 93
6 EGYPT	EGY/FOA/10/INV/15	EGY/93/G61	OPS	MOBICA molded PUF inv. project	20	434,000	397,029	June 93
7 EGYPT	EGY/FOA/10/INV/16	EGY/93/G62	OPS	OLYMPIC Electric rigid PUF inv.	75	940,000	857,529	June 93
8 EGYPT	EGY/FOA/11/INV/18	EGY/93/G64	OPS	SECC rigid PUF investment proj.	15	85,000	77,736	Nov. 93
9 EGYPT	EGY/FOA/11/INV/19	EGY/93/G65	OPS	Dekheila Chemical flex PUF inv.	130	650,000	440,000	Nov. 93
10 EGYPT	EGY/FOA/11/INV/21	EGY/93/G63	OPS	Horse Foam flex PUF inv. project	120	385,000	200,000	Nov. 93
11 EGYPT	EGY/FOA/12/INV/22	EGY/94/G62	OPS	Flexible PUF inv. (2 plants)	170	525,000	0	Mar. 94
12 EGYPT	EGY/FOA/12/INV/26	EGY/94/G61	OPS	Rigid PUF inv. proj. (5 Plants)	44	870,000	0	Mar. 94
13 EGYPT	EGY/HAL/12/TAS/23	INT/94/G61	OPS	TA: National halons action plan	0	25,000	0	Mar. 94
14 EGYPT	EGY/REF/08/INV/09	EGY/92/G61	OPS	Koldair Co. refrig. inv. project	18	272,000	250,021	Oct. 92
15 EGYPT	EGY/REF/12/INV/21	EGY/94/G63	OPS	Com. refrig. inv. (5 companies)	225	2,100,000	0	Mar. 94
16 EGYPT	EGY/SEV/04/TRA/02	INT/91/G61	OPS	Study tours: govt./industry	0	51,000	44,090	June 91
17 EGYPT	EGY/SEV/06/PRP/03	EGY/92/G61	OPS	Project preparation assistance	0	100,000	100,319	Feb. 92
18 EGYPT	EGY/SEV/11/PRP/20	INT/93/G61	OPS	Project Preparation Assistance	0	75,000	75,000	Nov. 93
EGYPT	's Subtotal :				1,146	8,779,500	4,269,235	
1 GHANA	GHA/FOA/08/TAS/03	INT/92/G61	OPS	TA: flexible PUF technology	0	85,000	52,723	Oct. 92
2 GHANA	GHA/FOA/12/INV/07	GHA/94/G61	OPS	Flexible PUF umbrella inv. proj.	316	345,000	0	Mar. 94
3 GHANA	GHA/REF/04/TRA/02	INT/91/G61	OPS	Refrig training prog/technicians	0	5,200	5,200	June 91
4 GHANA	GHA/REF/08/TAS/04	INT/92/G61	OPS	TA: better service/maint. refrig	0	328,000	112,000	Oct. 92
5 GHANA	GHA/SEV/08/INS/05	GHA/92/G61	Nat	Institutional Strengthening	0	160,000	60,000	Oct. 92
GHANA	's Subtotal :				316	923,200	229,923	
1 GUATEMALA	GUA/SEV/11/PRP/05	INT/93/G61	OPS	Project Preparation Assistance	0	30,000	19,857	Nov. 93
GUATEMALA	's Subtotal :				0	30,000	19,857	
1 INDIA	IND/FOA/12/INV/16	IND/94/G62	Nat	Camphor/Allied XPE foam inv.	120	280,000	0	Mar. 94
2 INDIA	IND/FOA/12/INV/17	IND/94/G63	Nat	SUNPRA rigid PUF panels inv proj	20	414,000	0	Mar. 94
3 INDIA	IND/FOA/12/INV/18	IND/94/G61	Nat	Eagle Flask rigid PUF inv proj	20	365,000	0	Mar. 94
4 INDIA	IND/FOA/13/INV/27		Nat	Bakelite Hylam phenolic foam inv	58	367,000	0	July 94
5 INDIA	IND/FOA/13/INV/30		Nat	U-Foam PUF investment project	35	328,500	0	July 94
6 INDIA	IND/FOA/13/TAS/29		Nat	Strategy/action prog. for foams	0	200,000	0	July 94
7 INDIA	IND/HAL/13/DEM/28		Nat	Demo/eval/TA: non-halons technol	0	309,000	0	July 94
8 INDIA	IND/SEV/08/INS/02	IND/92/G61	Nat	Institutional Strengthening	0	430,600	166,970	Oct. 92
9 INDIA	IND/SEV/08/PRP/01	INT/92/G61	OPS	Project preparation assistance	0	100,000	81,661	Oct. 92
10 INDIA	IND/SEV/09/CPR/03	INT/93/G61	OPS	Country programme preparation	0	200,000	200,000	Mar. 93
11 INDIA	IND/SEV/11/TAS/11	IND/93/G61	Nat	ODS Survey: Small-scale industry	0	120,000	0	Nov. 93
12 INDIA	IND/SEV/12/PRP/19	INT/94/G61	OPS	Project Preparation Assistance	0	100,000	22,185	Mar. 94
INDIA	's Subtotal :				253	3,214,100	470,816	
1 INDONESIA	IDS/SEV/08/CPG/01	INT/92/G61	OPS	Country programme preparation	0	200,000	200,000	Oct. 92
2 INDONESIA	IDS/SEV/10/INS/05	INS/93/G61	Nat	Institutional Strengthening	0	314,780	113,260	June 93
3 INDONESIA	IDS/SEV/11/PRP/06	INT/93/G61	OPS	Project Preparation Assistance	0	100,000	100,000	Nov. 93
INDONESIA	's Subtotal :				0	614,780	413,260	
1 IRAN	IRA/SEV/04/TAS/01	INT/91/G61	OPS	ODS reconnaissance survey	0	30,350	30,350	June 91

ONGOING UNDP PROJECTS UNDER THE MULTILATERAL FUND

printed on: 15/11/94

Country	MP-Number	UNDP-Nr	Ex.Ag	Project Title	ODS tonnes	Budget US\$	Disbursed US\$	Date Approved
2 IRAN	IRA/SEV/06/CPG/02	INT/92/G61	OPS	Country programme preparation	0	35,000	35,000	Feb. 92
3 IRAN	IRA/SEV/08/INS/04	IRA/92/G61	Nat	Institutional Strengthening	0	200,200	62,500	Oct. 92
4 IRAN	IRA/SEV/08/PRP/05	INT/92/G61	OPS	Project preparation assistance	0	50,000	17,935	Oct. 92
IRAN	's Subtotal :				0	315,550	145,785	
1 JAMAICA	JAM/SEV/14/PRP/02	INT/94/G61	OPS	Project Preparation Assistance	0	30,000	0	Sept. 94
JAMAICA	's Subtotal :				0	30,000	0	
1 JORDAN	JOR/ARS/04/TAS/01	INT/91/G61	OPS	TA: aerosols sector	0	29,000	29,000	June 91
2 JORDAN	JOR/ARS/06/TAS/12	INT/92/G61	OPS	LPG deodorization for aerosols	0	12,000	12,000	Feb. 92
JORDAN	's Subtotal :				0	41,000	41,000	
1 KENYA	KEN/REF/10/TRA/05	INT/91/G61	OPS	Demon/training in Refrig/AC	0	9,850	9,852	June 91
2 KENYA	KEN/SEV/06/CPG/02	INT/92/G61	OPS	Country programme preparation	0	25,000	22,730	Feb. 92
3 KENYA	KEN/SEV/09/INS/04	KEN/93/G61	Nat	Institutional Strengthening	0	175,000	43,000	Mar. 93
KENYA	's Subtotal :				0	209,850	75,582	
1 MALAYSIA	MAL/ARS/12/TAS/30	MAL/94/G68	OPS	Aerosols: Safety & tech. prog.	0	145,700	17,250	Mar. 94
2 MALAYSIA	MAL/FOA/10/INV/11	MAL/93/G62	OPS	Junaya XPS foam sheet inv proj	150	235,811	235,873	June 93
3 MALAYSIA	MAL/FOA/11/INV/15	MAL/93/G63	OPS	Key Asset Integral Skin PUF inv.	30	690,000	690,000	Nov. 93
4 MALAYSIA	MAL/FOA/11/INV/16	MAL/93/G65	OPS	Insafom Co. PUF inv. project	30	310,000	310,000	Nov. 93
5 MALAYSIA	MAL/FOA/11/INV/17	MAL/93/G66	OPS	Island Resources PUF inv. proj.	30	230,000	230,000	Nov. 93
6 MALAYSIA	MAL/FOA/11/INV/21	MAL/93/G64	OPS	Assoc. Air-Pack XPE/XPS foam inv	50	234,000	9,589	Nov. 93
7 MALAYSIA	MAL/FOA/12/INV/22	MAL/94/G62	OPS	Cycle World PUF panels inv proj	45	353,000	353,000	Mar. 94
8 MALAYSIA	MAL/FOA/12/INV/23	MAL/94/G65	OPS	Pulai-Lampak XPE foam sheet inv	50	355,000	355,000	Mar. 94
9 MALAYSIA	MAL/FOA/12/INV/24	MAL/94/G63	OPS	P.U.Tech PUF investment project	24	198,000	0	Mar. 94
10 MALAYSIA	MAL/FOA/12/INV/25	MAL/94/G66	OPS	PU MATE Integral Skin PUF inv	10	113,000	113,000	Mar. 94
11 MALAYSIA	MAL/FOA/12/INV/26	MAL/94/G64	OPS	Pexafom flex slabstock PUF inv.	120	195,000	195,000	Mar. 94
12 MALAYSIA	MAL/FOA/12/INV/27	MAL/94/G67	OPS	N.Y.L. flex slabstock PUF inv.	55	130,000	130,000	Mar. 94
13 MALAYSIA	MAL/FOA/12/INV/33	MAL/94/G70	OPS	Phaseout SScale flexible PUF inv	80	1,045,000	37,125	Mar. 94
14 MALAYSIA	MAL/FOA/13/INV/34	INT/94/G72	OPS	Allied Foams cold cure PUF inv.	25	276,000	0	July 94
15 MALAYSIA	MAL/FOA/13/INV/35	INT/94/G73	OPS	Phoenix Base flexible PUF inv.	61	165,000	0	July 94
16 MALAYSIA	MAL/FOA/13/INV/38	INT/94/G74	OPS	Wong Bros. rigid PUF panels inv.	35	299,000	0	July 94
17 MALAYSIA	MAL/FOA/13/INV/39	INT/94/G75	OPS	Eversoft flexible molded PUF inv	30	185,000	0	July 94
18 MALAYSIA	MAL/FOA/13/INV/40	INT/94/G76	OPS	Nian Aik cold cure flex PUF inv.	30	245,000	0	July 94
19 MALAYSIA	MAL/FOA/13/INV/41	INT/94/G77	OPS	Pangkat com. refrig. PUF panels	20	210,000	0	July 94
20 MALAYSIA	MAL/REF/04/TRA/01	INT/91/G61	OPS	Training in MAC sector	0	50,000	0	June 91
21 MALAYSIA	MAL/REF/12/INV/29	MAL/94/G71	OPS	Sharp-Roxy home refrig. inv.	65	962,000	962,000	Mar. 94
22 MALAYSIA	MAL/REF/13/INV/36	INT/94/G78	OPS	Lian Pang com refrig product inv	10	201,000	0	July 94
23 MALAYSIA	MAL/REF/13/INV/37	INT/94/G79	OPS	United com. refrig. products inv	71	351,200	0	July 94
24 MALAYSIA	MAL/REF/13/INV/42	INT/94/G80	OPS	OYL refrig. manuf. inv project	22	625,100	0	July 94
25 MALAYSIA	MAL/SEV/09/INS/08	MAL/93/G61	Nat	Institutional strengthening	0	322,520	115,920	Mar. 93
26 MALAYSIA	MAL/SEV/10/PRP/14	INT/93/G61	OPS	Project preparation assistance	0	50,000	54,438	June 93
27 MALAYSIA	MAL/SEV/10/TRA/13	INT/93/G61	OPS	TA: National ODS Conference	0	40,000	40,000	June 93
28 MALAYSIA	MAL/SEV/12/PRP/31	INT/94/G61	OPS	Project Preparation Assistance	0	100,000	100,000	Mar. 94
29 MALAYSIA	MAL/SOL/11/INV/18	MAL/93/G67	OPS	Ngai Cheong solvent cleaning inv	23	63,480	63,480	Nov. 93
30 MALAYSIA	MAL/SOL/11/INV/19	MAL/93/G68	OPS	Matsushita (main) solvents proj.	10	113,570	113,570	Nov. 93
31 MALAYSIA	MAL/SOL/11/INV/20	MAL/93/G69	OPS	Matsushita (P. Klang) solvents	10	173,280	173,280	Nov. 93
32 MALAYSIA	MAL/SOL/12/INV/21	MAL/94/G69	OPS	PROTON Auto cleaning inv project	195	700,439	700,439	Mar. 94
33 MALAYSIA	MAL/SOL/12/INV/28	MAL/94/G61	OPS	San Matech IC frame clean. proj.	5	141,100	0	Mar. 94
MALAYSIA	's Subtotal :				1,286	9,508,200	4,998,964	
1 MAURITIUS	MAU/ARS/12/INV/03	MAU/94/G61	OPS	COMANU aerosols conversion proj.	25	62,150	0	Mar. 94
2 MAURITIUS	MAU/SEV/12/PRP/04	INT/94/G61	OPS	Project Preparation Assistance	0	25,000	5,385	Mar. 94
MAURITIUS	's Subtotal :				25	87,150	5,385	
1 MEXICO	MEX/HAL/06/TAS/06	INT/92/G61	OPS	Preparatory study on halons	0	25,000	27,223	Feb. 92
2 MEXICO	MEX/SEV/04/PRP/03	INT/91/G61	OPS	Project preparation assistance	0	50,000	52,277	June 91
3 MEXICO	MEX/SEV/11/PRP/14	INT/93/G61	OPS	Project Preparation Assistance	0	50,000	50,000	Nov. 93
4 MEXICO	MEX/SEV/14/PRP/18	INT/94/G61	OPS	Project Preparation Assistance	0	100,000	20,370	Sept. 94
MEXICO	's Subtotal :				0	225,000	149,870	
1 NIGERIA	NIR/SEV/04/TRA/02	INT/91/G61	OPS	Nat. non-ODS industry seminar	0	49,650	26,449	June 91
2 NIGERIA	NIR/SEV/09/INS/04	NIR/93/G61	Nat	Institutional strengthening	0	300,000	111,174	Mar. 93
NIGERIA	's Subtotal :				0	349,650	137,623	
1 PAKISTAN	PAK/SEV/14/INS/05	PAK/94/G61	Nat	Institutional Strengthening	0	259,000	0	Sept. 94

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Country	MP-Number	UNDP-Nr	Ex.Ag	Project Title	ODS tonnes	Budget US\$	Disbursed US\$	Date Approved
PAKISTAN	's Subtotal :				0	259,000	0	
1 PANAMA	PAN/FOA/13/INV/05	PAN/94/G61 OPS		Flex/rigid PUF inv (3 plants)	26	155,000	0	July 94
2 PANAMA	PAN/SEV/11/PRP/03	INT/93/G61 OPS		Project Preparation Assistance	0	30,000	16,599	Nov. 93
PANAMA	's Subtotal :				26	185,000	16,599	
1 PERU	PER/SEV/13/PRP/02	INT/94/G61 OPS		Project Preparation Assistance	0	100,000	48,439	July 94
PERU	's Subtotal :				0	100,000	48,439	
1 PHILIPPINES	PHI/FOA/12/INV/23	PHI/94/G62 OPS		XPS foam sheet inv (3 plants)	24	505,000	0	Mar. 94
2 PHILIPPINES	PHI/FOA/12/INV/24	PHI/94/G61 OPS		Nikon rigid PUF (thermoware) inv	15	315,000	0	Mar. 94
3 PHILIPPINES	PHI/FOA/12/INV/26	PHI/94/G63 OPS		Small flex PUF mfg. inv. project	35	745,000	0	Mar. 94
4 PHILIPPINES	PHI/FOA/13/INV/27	PHI/94/G64 OPS		Foamcraft flex PUF slabstock inv	90	185,000	0	July 94
5 PHILIPPINES	PHI/FOA/13/CPG/08	PHI/94/G65 OPS		Metal Forming Corp. PUF inv proj	50	305,000	0	July 94
6 PHILIPPINES	PHI/FOA/13/INV/30	PHI/94/G66 OPS		Styrotech XPS foam sheet inv.	25	60,000	0	July 94
7 PHILIPPINES	PHI/REF/04/TRA/01	INT/91/G61 OPS		Training prog: refrig servicing	0	64,000	62,297	June 91
8 PHILIPPINES	PHI/REF/13/INV/29	PHI/94/G67 OPS		Unimagna com. refrig inv. proj.	30	1,015,700	400,000	July 94
9 PHILIPPINES	PHI/SEV/08/CPG/02	INT/92/G61 OPS		Country programme preparation	0	79,640	79,640	Oct. 92
10 PHILIPPINES	PHI/SEV/11/PRP/22	INT/93/G61 OPS		Project Preparation Assistance	0	50,000	50,000	Nov. 93
11 PHILIPPINES	PHI/SEV/11/TAS/20	INT/93/G61 OPS		ODS survey: small-scale industry	0	100,000	30,000	Nov. 93
PHILIPPINES	's Subtotal :				269	3,424,340	621,937	
1 SRI LANKA	SRL/SEV/06/CPG/01	INT/92/G61 OPS		Country programme preparation	0	35,000	35,000	Feb. 92
2 SRI LANKA	SRL/SEV/12/INS/02	SRI/94/G61 Nat		Institutional Strengthening	0	154,680	59,040	Mar. 94
3 SRI LANKA	SRL/SEV/14/PRP/03	INT/94/G61 OPS		Project Preparation Assistance	0	30,000	0	Sept. 94
SRI LANKA	's Subtotal :				0	219,680	94,040	
1 THAILAND	THA/FOA/11/INV/20	THA/93/G62 OPS		Thermaxflex XPS foam inv. project	30	220,000	220,000	Nov. 93
2 THAILAND	THA/FOA/12/INV/25	THA/94/G63 OPS		XPS foam sheet inv proj (2 cos.)	100	455,000	0	Mar. 94
3 THAILAND	THA/FOA/12/INV/26	THA/94/G62 OPS		Henger Panel rigid PUF inv proj.	15	257,500	0	Mar. 94
4 THAILAND	THA/FOA/12/INV/27	THA/94/G61 OPS		Mic-Cell XPE foam sheet inv proj	44	339,500	0	Mar. 94
5 THAILAND	THA/FOA/12/INV/29	THA/94/G64 OPS		Modular Compound rigid PUF inv.	30	508,000	0	Mar. 94
6 THAILAND	THA/FOA/13/INV/30	THA/94/G65 OPS		Lucky flexible PUF slabstock inv	187	605,000	0	July 94
7 THAILAND	THA/FOA/13/INV/31	THA/94/G66 OPS		Ponsri XPS foam sheet inv proj	100	340,000	0	July 94
8 THAILAND	THA/REF/13/INV/33	THA/94/G67 OPS		Sanden com. refrig inv project	30	533,800	0	July 94
9 THAILAND	THA/SEV/04/TRA/02	INT/91/G61 OPS		Training: Govt technical staff	0	50,000	53,785	June 91
10 THAILAND	THA/SEV/09/INS/08	THA/93/G61 Nat		Institutional Strengthening	0	400,000	143,000	Mar. 93
11 THAILAND	THA/SEV/10/PRP/11	INT/93/G61 OPS		Project Preparation Assistance	0	50,000	50,000	June 93
THAILAND	's Subtotal :				536	3,758,800	466,785	
1 TRINIDAD/TOBA	TRT/SEV/04/TRA/01	INT/91/G61 OPS		Training: Govt technical staff	0	53,800	37,877	June 91
2 TRINIDAD/TOBA	TRT/SEV/06/CPG/03	INT/92/G61 OPS		Country programme preparation	0	25,000	19,000	Feb. 92
TRINIDAD/TOBA	's Subtotal :				0	78,800	56,877	
1 URUGUAY	URU/FOA/13/INV/06	URU/94/G62 Nat		Rigid PUF (spray) inv (7 plants)	71	665,000	0	July 94
2 URUGUAY	URU/FOA/13/INV/09	URU/94/G63 Nat		Flexible PUF inv proj (5 plants)	17	200,000	0	July 94
3 URUGUAY	URU/REF/12/TAS/04	URU/94/G61 Nat		TA/demo prog on recovery/recycle	22	175,000	0	Mar. 94
4 URUGUAY	URU/SEV/04/TAS/01	INT/91/G61 OPS		Consultant: technical assistance	0	13,050	14,042	June 91
5 URUGUAY	URU/SEV/08/CPG/02	INT/92/G61 OPS		Country programme preparation	0	23,894	25,444	Oct. 92
6 URUGUAY	URU/SEV/10/INS/03	URU/93/G61 Nat		Institutional strengthening	0	173,800	89,302	June 93
7 URUGUAY	URU/SEV/13/PRP/08	INT/94/G61 OPS		Project prep: foams and halons	0	30,000	12,500	July 94
URUGUAY	's Subtotal :				110	1,280,744	141,288	
1 VENEZUELA	VEN/HAL/09/TAS/09	INT/93/G61 OPS		Workshops: Halon recycle/banking	0	26,800	23,100	Mar. 93
2 VENEZUELA	VEN/REF/04/TRA/01	INT/91/G61 OPS		TA/training: refrig technicians	0	30,000	19,020	June 91
3 VENEZUELA	VEN/REF/09/PRP/10	INT/93/G61 OPS		Workshops: Refrig proj prep.	0	19,800	19,800	Mar. 93
4 VENEZUELA	VEN/REF/09/TAS/11	INT/93/G61 OPS		Workshops: Non-ODS A/C systems	0	26,200	13,200	Mar. 93
5 VENEZUELA	VEN/REF/09/TAS/12	INT/93/G61 OPS		Pilot prog CFC-12 recov/recycle	8	100,000	100,000	Mar. 93
6 VENEZUELA	VEN/REF/12/DEM/14	INT/93/G61 OPS		Pilot prog MAC CFC-12 recov/recy	0	13,400	13,400	Mar. 94
7 VENEZUELA	VEN/SEV/09/INS/08	VEN/92/G61 Nat		Institutional strengthening	0	329,192	242,081	Mar. 93
8 VENEZUELA	VEN/SEV/11/CPG/17	INT/93/G61 OPS		Country programme finalization	0	12,000	5,587	Nov. 93
VENEZUELA	's Subtotal :				8	557,392	436,188	
1 VIETNAM	VIE/SEV/12/PRP/01	INT/94/G61 OPS		Project Preparation Assistance	0	100,000	29,935	Mar. 94

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Country	MP-Number	UNDP-Nr	Ex.Ag	Project Title	ODS tonnes	Budget US\$	Disbursed US\$	Date Approved
VIETNAM	's Subtotal :				0	100,000	29,935	
1	REGIONAL	AFR/FOA/06/TRA/03	INT/92/G61 OPS	Reg. foam workshop (M.E./Africa)	0	52,500	38,087	Feb. 92
2	REGIONAL	ASP/FOA/06/TRA/05	INT/92/G61 OPS	Reg foam workshop (Asia/Pacific)	0	52,500	36,828	Feb. 92
3	REGIONAL	ASP/REF/06/TRA/03	INT/92/G61 OPS	Reg MAC train/demo prog (Asia)	0	45,000	0	Feb. 92
4	REGIONAL	GLO/HAL/06/TRA/16	INT/92/G61 OPS	Halons training prog (Africa/ME)	0	60,000	39,012	Feb. 92
5	REGIONAL	GLO/REF/06/TRA/03	INT/92/G61 OPS	Reg MAC train/demo prog (MEast)	0	45,000	0	Feb. 92
6	REGIONAL	LAC/FOA/06/TRA/02	INT/92/G61 OPS	Reg. foam workshop (L. America)	0	52,500	53,812	Feb. 92
7	REGIONAL	LAC/HAL/06/TRA/03	INT/92/G61 OPS	Halons training prog (L.America)	0	60,000	44,842	Feb. 92
8	REGIONAL	LAC/REF/06/TRA/04	INT/92/G61 OPS	Reg. MAC train/demo prog (LA)	0	45,000	0	Feb. 92
9	REGIONAL	LAC/REF/06/TRA/05	INT/92/G61 OPS	Train/demo prog refrig (LA)	0	23,000	23,047	Feb. 92
REGIONAL	's Subtotal :				0	435,500	235,628	
1	GLOBAL	GLO/ARS/06/TAS/05	INT/92/G61 OPS	TA: aerosols	0	60,000	44,212	Feb. 92
2	GLOBAL	GLO/FOA/06/TAS/08	INT/92/G61 OPS	TA: flexible PUF	0	40,000	40,000	Feb. 92
3	GLOBAL	GLO/FOA/06/TAS/17	INT/92/G61 OPS	TA: rigid PUF	0	60,000	60,000	Feb. 92
4	GLOBAL	GLO/FOA/14/TAS/69	INT/94/G61 OPS	TA: Small foam Phaseout Strategy	0	50,000	0	Sept. 94
5	GLOBAL	GLO/HAL/06/DEM/04	INT/92/G61 OPS	Buy 40 H-1211 recycle machines	0	250,000	250,000	Feb. 92
6	GLOBAL	GLO/HAL/06/TAS/10	INT/92/G61 OPS	TA: halons	0	70,000	70,000	Feb. 92
7	GLOBAL	GLO/HAL/08/TAS/23	INT/92/G61 OPS	Global Halons Project	0	345,133	49,913	Oct. 92
8	GLOBAL	GLO/HAL/13/TAS/37	INT/94/G61 OPS	Halons small country action plan	0	50,000	50,000	July 94
9	GLOBAL	GLO/REF/06/TAS/06	INT/92/G61 OPS	TA: MAC	0	50,000	13,623	Feb. 92
10	GLOBAL	GLO/REF/06/TAS/07	INT/92/G61 OPS	TA: refrigeration	0	90,000	90,000	Feb. 92
11	GLOBAL	GLO/REF/08/TAS/24	INT/92/G61 OPS	Global MAC project	0	318,584	82,340	Oct. 92
12	GLOBAL	GLO/SEV/06/TRA/11	INT/92/G61 OPS	3 national policy workshops	0	45,000	27,240	Feb. 92
13	GLOBAL	GLO/SEV/06/TRA/12	INT/92/G61 OPS	2 study tours: govt/industry rep	0	50,000	12,000	Feb. 92
14	GLOBAL	GLO/SEV/06/TRA/13	INT/92/G61 OPS	Participate: workshops/meetings	0	140,000	131,737	Feb. 92
15	GLOBAL	GLO/SEV/12/TAS/63	INT/94/G61 OPS	Safety assessment: foam, solvent	0	25,000	28,000	Mar. 94
16	GLOBAL	GLO/SOL/06/TAS/09	INT/92/G61 OPS	TA: solvents	0	50,000	50,000	Feb. 92
GLOBAL	's Subtotal :				0	1,693,717	999,065	

GRAND TOTAL :

5,297 55,225,977 17,309,408