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Executive Committee of
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Ninth Meeting
Montreal, 8-10 March 1993

Addendum

1992 UNDP PROGRESS REPORT

EXECUTIVE COMMITTEE OF THE MULTILATERAL FUND

(Ninth Meeting, 8-10 March 1993, Montreal)

UNDP WORK PROGRAMME STATUS REPORT

Addendum

As stated at the Coordination Meeting between the Implementing Agencies and the Fund Secretariat during 4-5 February 1993 in Montreal, UNDP is providing this addendum to its work programme status report with detailed notes on project and programme implementation for country, sectoral/regional and global projects. This addendum supplements the tabular information presented in UNDP's Progress Report.

ARGENTINA

Activity: ODS reconnaissance survey, later amended to technical assistance for CP formulation.

Budget and date of EC approval: \$25,000 (June 1991)

Status: Following approval, the Government in late 1991 said it had already commissioned an ODS survey by national experts under its own budget, that it had selected the World Bank as lead agency for CP preparation, and that UNDP should provide technical assistance (TA) for the CP effort. This was approved by the EC. Since the World Bank has not yet initiated CP formulation, UNDP has been communicating with the Government, most recently on 19 Feb 1993, and has proposed preparatory TA activities until CP preparation starts. Government reply awaited.

BANGLADESH

Activity: ODS reconnaissance survey and training.

Budget and date of EC approval: \$55,000 (June 1991)

Status: ODS survey completed February 1993, other activities by mid-1993. Government selected a national company "Planning and Development Services Ltd." to do both the survey and a follow-up CP. UNDP approved this selection. Unfortunately, the firm requested a budget much higher than allocated, and since the Government was keen to use the firm, the UNDP Field Office assisted the Government in negotiations with the company. After months of fruitless negotiations, the Government reissued the subcontract and three other national companies submitted bids. Government and UNDP agreed on "Bangladesh Centre for Advanced Studies", whose estimate was within the budget. Contracts were signed and the ODS reconnaissance survey finally started in Dec 1992. The completed survey, of high quality, was submitted to Government and UNDP on 11 Feb 1993. The other training activities have included participation of key officials in international and regional CFC technology and policy meetings and conferences to facilitate the discussion of options within the CP that will be prepared.

Activity: CP preparation.

Budget and date of EC approval: \$25,000 (February 1992)

Status: Ongoing. Following completion of the ODS survey in February 1993, CP formulation has started. While the Government's expected date of CP completion is mid-1993, UNDP has set a target date of 3rd quarter 1993 to allow for potential delays. The CP will be ready for presentation to the EC at its 11th Meeting.

BRAZIL

Activity: Prefeasibility study for the commercialization of portable CFC-12 recycling equipment for domestic refrigerators.
Budget and date of EC approval: \$25,000 (February 1992)
Status: To start in March 1993. No activity during 1992 due to Government reorganization and lack of national counterparts. In early 1993, Government appointed a national focal point for ozone layer activities. UNDP has been informed that since one local company is already manufacturing a CFC-recycling machine, that the prefeasibility study should now evaluate the costs of expanding the range of models of one or more domestic manufacturers versus the cost of importing the machines. TOR will be finalized in late-March and the study will be completed in 2nd quarter 1993.

CHILE

Activity: Demonstration programme for technicians in refrigeration servicing.
Budget and date of EC approval: \$25,000 (February 1992)
Status: About to start. UNDP's sector expert in refrigeration sector training will complete this activity in 2nd quarter 1993. Arrangements are being finalized through the UNDP Field Office.

CHINA

Activity: CP preparation.
Budget and date of EC approval: \$150,000 (February 1992)
\$ 50,000 (June 1992)
Status: Completed. UNDP, as lead agency, assisted China in preparation and finalization of its \$1.43 billion CP, which was approved by the Government in January 1993 and has been submitted for approval by the EC at its 9th Meeting.

Activity: Technical Assistance for Guangdong aerosols investment project and investigation of non-ODS filling technology and LPG purification.
Budget and date of EC approval: \$75,000 (February 1992)
Status: Ongoing. Revised TOR discussed with Government at the second national CP Workshop in Aug 1992 and finalized in late-1992. National counterparts involved in feasibility study for the Guangdong aerosols investment project. Data base specifications being evaluated. Study tour itinerary has been modified based on comments from UNDP's aerosols sector expert, and will take place in April/May 1993. Specifications for the filling machine for testing reformulations are still awaited. Completion of all activities by mid-1993.

Activity: Technical assistance for CFC-11 substitute technologies in rigid polyurethane foams.
Budget and date of EC approval: \$70,000 (February 1992)
Activity: Technical assistance for CFC-11 substitute technology in flexible polyurethane foam.
Budget and date of EC approval: \$70,000 (February 1992)
Status: Ongoing. These two activities being implemented jointly. International expert assistance provided. The foams (rigid/flexible) sector study tour was completed in Nov/Dec 1992, accompanied by the UNDP foams sector expert; several decisions were taken on appropriate technologies and equipment needed for both demonstration and investment projects. Specifications of materials needed for testing being finalized for procurement. Target date for activity completion is mid-1993.

- Activity: Quality control testing on adoption of CFC-11 substitute technology in a production line for home refrigerators.
- Budget and date of EC approval: \$65,000 (February 1992)
- Status: Activity started Jan 1993. Implementation delayed until completion of previous activity so as to benefit from experiences gained. Equipment specifications being finalized, and both 50% reduced and 100% CFC-free foam alternatives will be tested. Expected completion date is 3rd quarter 1993.
- Activity: Quality control testing for CFC-11 substitute technology in rigid polyurethane foam in domestic refrigeration (implementation tied to World Bank investment project development).
- Budget and date of EC approval: \$70,000 (February 1992)
- Status: Ongoing. Objective is quality and control testing for low-CFC rigid foam formulations in domestic refrigeration. Implementation tied to World Bank investment project development. National experts being recruited for product testing. UNDP awaiting equipment specifications. Target completion date: 3rd quarter 1993.
- Activity: Technical Assistance for the Beijing Household Electric Appliances Research Institute (BHEARI).
- Budget and date of EC approval: \$480,000 (June 1992), transferred by the World Bank to UNDP in October 1992.
- Status: To start April 1993. TA component of World Bank investment project. Implementation schedules under discussion with Government/World Bank. TA will be used for testing, evaluation and promotion of reduced CFC technology. BHEARI technicians will be trained to conduct performance tests to ensure product quality, set appropriate standards, provide technical assistance to factories, and to disseminate results among all refrigerator manufacturers. Activity will run the length of the 2-year investment project (to April 1995). UNDP requesting EC to approve support costs at its 9th Meeting.
- Activity: Technical study on halons usage and applications of halons substitutes.
- Budget and date of EC approval: \$40,000 (February 1992)
- Status: Technical study underway. International expert assistance provided. Arrangements for technical visit completed and will take place during March/April 1993. Assistance being provided in project preparation. Target completion date is May 1993.
- Activity: Feasibility study on the application of HFC-134a technology in MACs and CFC recycling.
- Budget and date of EC approval: \$40,000 (February 1992)
- Status: Planning stage. TOR for feasibility study being finalized. Study to start in April 1993 and the small demonstration equipment component (\$5,000) will be procured by June 1993. Target completion date is 3rd quarter 1993.
- Activity: Establish a training programme on centrifugal chillers for domestic refrigeration service managers and technicians.
- Budget and date of EC approval: \$75,000 (February 1992)
- Status: Planning stage. UNDP has assigned its refrigeration sector training expert for project design and implementation. It will start in 2nd quarter 1993 and continue until end-1993.
- Activity: Dalian precision parts cleaning line demonstration project.
- Budget and date of EC approval: \$495,000 (June 1992)
- Status: Being implemented. The project document was signed in January

1993 and the money transferred the same month. Target completion date is Dec 1994.

Activity: Dandong electronic tuner aqueous cleaning line demonstration project.

Budget and date of EC approval: \$495,000 (June 1992)

Status: Being implemented. The project document was signed in January 1993 and the money transferred the same month. Target completion date is Dec 1994.

Activity: Pre-feasibility study to phaseout CFC-113 in electronic cleaning in four production lines.

Budget and date of EC approval: \$40,000 (February 1992)

Status: Completed in January 1993. The associated solvents study tour in Dec 1992 designed by UNDP's solvents sector expert, who also accompanied the team, evaluated alternate CFC-113 replacement technologies for different production lines. Two demonstration production lines (Dalian, Dandong) are underway and preparatory documents for two others (Chengdu, Nanjing) have been completed.

Activity: Establish a quality control testing programme to use CFC-12 substitute technology in refrigeration and rigid foams.

Budget and date of EC approval: \$70,000 (February 1992)

Status: Planning stage. This is under discussion with Government since the UNDP refrigeration sector expert on the China CP recommended delaying this activity until 1993. Expected to become operational in 2nd quarter 1993 and to be completed by end-1993.

Activity: Establishment of an Information Clearing-House at NEPA.

Budget and date of EC approval: \$150,000 (February 1992)

Status: Ongoing. Information Clearing House at NEPA established. National staff selected and recruitment finalized by NEPA. Microcomputer equipment specifications discussed and orders being placed. Equipment needed for documentation and cataloguing systems is being evaluated. Data collection and processing activities are underway. Ozone information newsletters in Chinese are being produced. The timeframe of operation is 1993-1995.

COSTA RICA

Activity: ODS reconnaissance survey.

Budget and date of EC approval: \$20,000 (June 1991)

Status: Completed

Activity: CP preparation.

Budget and date of EC approval: \$25,000 (February 1992)

Status: Completed. CP was presented by UNDP on behalf of the Government and was approved at the 8th Eighth EC Meeting in Oct 1992.

Activity: Implementation of country programme activities.

Budget and date of EC approval: \$393,400 (October 1992)

Status: Started. Funds received by UNDP in end-Dec 1992. Projects include technical assistance in the refrigeration, foams and solvents sectors and institutional strengthening. A programme implementation schedule was submitted by Government to UNDP Field Office in February 1993. UNDP consultant going to Costa Rica on 22 March 1993 to review substantive details and to finalize documents so that project documents can be approved and signed and funds transferred. Timeframe: 1993-1995.

CUBA

Activity: ODS reconnaissance survey and CP preparation.
Budget and date of EC approval: \$22,600 (October 1992)
Status: Ongoing. ODS survey completed in Dec 1992. First draft of the CP completed on 21 Jan 1993 and is being considered by Government. CP will be completed by April 1993 and presented for approval to the 10th EC Meeting.

ECUADOR

Activity: CFC refrigerant conversion and material handling training programme (in cooperation with World Bank).
Budget and date of EC approval: \$100,000 (February 1992)
Status: Started late-1992, completion date August 1993. It has been expanded in scope to cover the aerosols, foams, solvents and refrigeration sectors. The UNDP Field Office and the World Bank are cooperating in training programme implementation. Delayed start due to change of Government and requested change in project implementation modality from national execution to implementation by OPS with consequent change in financial and legal arrangements under the PRODOC.

EGYPT

Activity: Phaseout of CFC-11 in the manufacture of flexible polyurethane foam at MISR Foam Factory.
Budget and date of EC approval: \$497,000 (October 1992)
Status: Investment project underway. UNDP's foams sector expert met with MISR Foam management in early January 1993 to finalize equipment specifications and assist in preparation of a short-list of contractors from which bids are to be requested. On 8 Feb 1993, arrangements were discussed between OPS and UNDP/Cairo for processing/transmission of bids, selection of bids and financial transfer procedures. Target completion date is 3rd quarter 1993.

Activity: Phaseout of CFC-11 in the manufacturing of moulded, flexible, semi-rigid and rigid polyurethane foam at TAKI-VITA factory.
Budget and date of EC approval: \$294,000 (October 1992)
Status: Implementing pending EC decision. The EC at its 8th Meeting approved only 60% of the requested investment costs. The Government has requested the 9th EC Meeting to fund the remaining 40% investment cost corresponding to a passive investment share held by a transnational company. The Government is also requesting two years operational costs which were in the original project document but were inadvertently omitted on the cover page. In the event the requested additional investment funding is not approved, the company, Government and UNDP may have to re-evaluate the financial viability of the project.

Activity: Phaseout of CFC-11 in the manufacture of moulded polyurethane foams at TECHNOPOL Company.
Budget and date of EC approval: \$645,000 (October 1992)
Status: Ongoing. UNDP's foams sector expert met with company management in early Jan 1993 to discuss equipment specifications and solve remaining technical details. The company is to provide UNDP with additional information on these matters since the equipment required is complex and requires detailed review of incoming bids. A final implementation schedule will be available in April 1993. The target date for equipment installation is late-1993 with ODS phaseout commencing in 1994.

Activity: Phaseout of CFC in refrigeration at KOLDAIR Company.

Budget and date of EC approval: \$272,000 (October 1992)

Status: Implementation delayed pending decision on operational costs. At its 8th Meeting, the EC approved \$272,000 as the investment component but did not approve any operational costs which were the major component of the project. The EC "requested the Government to revise the project component relating to the four-year operational costs and resubmit it for its consideration at its Ninth Meeting". In the meantime, the Government of Egypt will request EC assistance for development of a national refrigeration sector strategy (to be implemented by UNIDO). Based on the results of this strategy, the revised project for KOLDAIR would be submitted to the EC for approval at its 10th Meeting.

Activity: Project preparation.

Budget and date of EC approval: \$100,000 (February 1992)

Status: Three missions completed, completion by end-1993. UNDP's foams sector expert participated in the second mission in 1992 and led the third mission in January 1993. Several investment projects were formulated and most have been approved by the EC. The remaining funds (\$40,000) will be used in 1993 for investment project preparation.

Activity: Study tours for officials from the Ministry of Environment, and pre-feasibility studies.

Budget and date of EC approval: \$126,000 (June 1991)

Status: Completed. Two study tours have been completed. One was a 5-member ozone policy study tour in Nov 1991 comprising industry, EEAA, financial experts and members of the legislature dealing with environmental issues. The second was a technical study tour on refrigeration and airconditioning in Feb 1992. Prefeasibility studies were prepared mainly by national experts and EEAA and led to the detailed formulation of refrigeration and foam sector investment projects.

GHANA

Activity: Technical assistance for technology transfer for phaseout of CFC-11 in flexible foam.

Budget and date of EC approval: \$85,000 (October 1992)

Status: Planning stage. Activity approved by 8th EC Meeting as part of the Ghana CP. Funds received by UNDP in end-Dec 1992. Discussions underway with Government and industry. Time frame is 1993-1994.

Activity: Improve servicing and maintenance in refrigeration sector.

Budget and date of EC approval: \$328,000 (October 1992)

Status: Planning stage. Activity approved by 8th EC Meeting as part of the Ghana CP and follows-up the refrigeration training programme discussed below. Implementation details being discussed with Government and UNEP which will help implement refrigeration training components. Project timeframe is 1993-1995.

Activity: Refrigeration training programme for servicing technicians.

Budget and date of EC approval: \$99,000 (June 1991)

Status: Ongoing. Being implemented jointly by UNDP and UNEP. Delay was due to unsuccessful attempts during 1992 to utilize Canadian training materials and expertise as discussed in UNDP's Status Report at the 8th EC Meeting. UNDP's refrigeration training sector expert went to Ghana in Nov 1992 to finalize implementation details. UNEP will be responsible for administration and logistic, with UNDP providing the services of its expert. The

training programme will be operational by mid-1993 and will be tied to the overall refrigeration sector programme in the CP.

Activity: Institutional strengthening.
Budget and date of EC approval: \$160,000 (October 1992)
Status: To start April 1993. Implementation arrangements and necessary approvals being finalized between UNDP/NY, UNDP/Accra and Government. Implementation starts April 1993 running to end-1995.

INDIA

Activity: Assistance in project preparation in all sectors.
Budget and date of EC approval: \$113,000 (October 1992)
Status: Underway. The first UNDP/World Bank project preparation mission will take place in March/April 1993 with possible UNIDO involvement. The Government will specify the projects to be formulated, based on which the mix of international and national experts will be selected. The objective is to have certain TA, demonstration and investment projects ready for submission to the 10th EC Meeting. The funds will be utilized throughout 1993.

Activity: Institutional strengthening.
Budget and date of EC approval: \$430,000 (October 1992)
Status: Underway. A National Workshop on the Montreal Protocol for Indian Industry during 28-29 January 1993 was partly funded under the project. Implementation schedule is 1993-1995.

INDONESIA

Activity: CP preparation.
Budget and date of EC approval: \$226,000 (October 1992)
Status: Underway. Implementation details discussed with the Indonesia representative at the Fourth Meeting of the Parties to the MP (Copenhagen, Nov 1992). Ongoing discussions with World Bank (cooperating agency) which sent an initial investment project formulation mission during 19-24 Oct 1992. UNDP team leader for the CP exercise selected. CP project document to be signed in March 1993 and funding made available. The initial CP formulation mission by the team leader is scheduled for second-half March 1993 to finalize CP schedule arrangements, to discuss the needed international experts and to evaluate the national experts. This would be followed in 2nd quarter 1993 by a full CP formulation mission. CP completion is expected in 4th quarter 1993.

IRAN

Activity: ODS reconnaissance survey.
Budget and date of EC approval: \$30,350 (June 1991)
Status: Completed.

Activity: CP preparation.
Budget and date of EC approval: \$35,000 (February 1992)
Status: Almost completed. Following the UNDP consultant's second mission in Aug 1992, a draft CP was submitted in Sept 1992. Due to several modifications recommended by UNDP and the Fund Secretariat, the Government withdrew consideration of its CP at the 8th EC meeting. The UNDP consultant mission in late-Dec 1992 to assist the Government modify the CP failed since the consultant was not permitted to enter the country. UNDP received on 15 Feb 1993, a detailed Government response to the comments made by the Fund Secretariat. These are being evaluated. The CP will be finalized for presentation to the 10th EC Meeting.

Activity: Project preparation.

Budget and date of EC approval: \$113,000 (October 1992)

Status: To be started. Covers project preparation assistance in all sectors, especially those projects identified in the draft CP. At Government request, UNIDO has been invited by UNDP to utilize half the above funds for project preparation.

Activity: Institutional strengthening.

Budget and date of EC approval: \$200,200 (October 1992)

Status: Project implementation under discussion. PRODOC to be signed by the Government and UNDP in March/April 1993. Funds will be transferred immediately thereafter. Implementation time frame is 1993-1995.

JORDAN

Activity: Technical assistance and pre-feasibility study in the aerosols sector

Budget and date of EC approval: \$29,000 (June 1991)

Status: Completed. The reports of the two experts (chemical process engineer, training specialist) have been utilized by the World Bank in the preparation of its aerosols sector investment projects in Jordan.

KENYA

Activity: Demonstration and training unit for maintenance and recharge of refrigeration and air conditioning equipment.

Budget and date of EC approval: \$115,100 (June 1991)

Status: Ongoing. Being implemented jointly by UNDP and UNEP. UNDP's refrigeration training sector expert went to Kenya in Nov 1992 to finalize implementation details. Since UNEP was implementing a regional refrigeration sector training programme in early-Dec 1992 in Nairobi, with Government approval, the above national training programme was closely linked to UNEP's regional programme on the understanding that half of all those trained would be Kenyan. The joint UNEP/UNDP regional/national training programme in Dec 1992 was a success. UNEP is implementing the rest of the national programme with UNDP providing the services of its refrigeration sector training expert. Target completion date is December 1993.

Activity: CP preparation.

Budget and date of EC approval: \$25,000 (February 1992)

Status: Ongoing. CP formulation was delayed to await the results of the data collection and analysis under the country study implemented in first-half 1992 by UNIDO using Swedish assistance. That report dated Aug 1992 was received in Oct 1992. An implementation schedule was finalized by the Government and UNDP in mid-Dec 1992. The target date for CP finalization is 3rd quarter 1993 for presentation to the 11th EC Meeting.

MALAYSIA

Activity: Training in MAC sector (being implemented under overall World Bank MAC project. Funds to be utilized through the World Bank)

Budget and date of EC approval: \$50,000 (June 1991)

Status: Ongoing. Funds tied to World Bank implementation of the overall MAC project. Communication dated 22 Feb 1993 received from the Government on utilization of these funds. Discussions underway with World Bank as lead agency on this activity.

MEXICO

Activity: Preparatory study on halons inventory and proposals for revisions of existing standards.

Budget and date of EC approval: \$25,000 (February 1992)

Status: Planning stage. This activity is related to ongoing World Bank and bilateral agency programmes in the halons area. Government and UNDP are finalizing the TOR for this activity which will be tied to other halons projects. Activity to be completed by mid-1993.

Activity: Preparation of terms of reference for 11 investment projects identified in the country programme.

Budget and date of EC approval: \$50,000 (June 1991)

Status: Almost completed. This activity is being implemented by a national expert and will be completed by end-March 1993.

NIGERIA

Activity: National seminar on industry and protection of the ozone layer.

Budget and date of EC approval: \$49,650 (June 1991)

Status: Completed in Nov 1992. At UNEP request, and with Government concurrence, it was delayed to mid-1992 so UNEP could participate in the Seminar. It was originally scheduled for 5-7 Oct 1992 but was then rescheduled by Government for 11-13 Nov 1992. UNDP's refrigeration training sector expert assisted in the preparation and implementation of the Seminar.

PHILIPPINES

Activity: Training programme in the refrigeration sector.

Budget and date of EC approval: \$64,000 (June 1991)

Status: Completed. Five training courses and one seminar-conference were held between Aug-Oct 1992. The training workshops/courses were conducted in several cities including Manila, Baguio, Cebu, Davao and Legaspi. At each workshop, 30 service centre technicians were trained in refrigeration servicing as well as in recycling procedures so as to cut CFC emissions. The programme was conducted by a qualified NGO - Likhaan Institute Foundation - under Government supervision. Consumer protection groups observed the training programmes, and suggested measures to facilitate the expansion of this programme to the country as a whole given the strong interest generated among small-scale production, installation and repair service firms.

Activity: CP preparation.

Budget and date of EC approval: \$45,000 (October 1992)

Status: Ongoing. Since at its 8th Meeting the EC approved only half the requested funding, the Government has submitted through UNDP a request that the EC at its 9th Meeting approve the remaining funds. CP formulation is well underway but the approved funding has already been exhausted. Completion of the CP is expected by end-April 1993 in time for presentation to the EC at its 10th Meeting. If, however, the additional requested funding is not approved, UNDP would not be responsible for any consequent delay in CP completion since the Government would have to fund the remaining CP preparation costs itself.

SRI LANKA

Activity: CP preparation.

Budget and date of EC approval: \$35,000 (February 1992)

Status: Ongoing. The ODS reconnaissance study should be completed by mid-1993. The initial government proposal to use Dr. Ratnasiri of CISIR in association with Colombo Commercial Company Ltd. was kept pending for over six months despite numerous communications by UNDP for finalization. Part of the delay was due to differences between the two concerned Ministries and the lack of a national counterpart lead agency for CP formulation. On 6 Nov 1992, the Government informed UNDP that it had decided on Dr. Sumathipala of the Open University of Sri Lanka to be the national team leader for CP preparation and a revised subcontract with the Colombo Commercial Company Ltd. for the ODS survey and CP formulation activities was proposed. UNDP/NY evaluated and approved the request on 9 Nov 1992. Contracts were finalized, signed and mailed to OPS on 6 Jan 1993 and financial approval was sent by OPS on 26 Jan. CP formulation should be completed by 3rd quarter 1993 but given past delays, a target date of end-1993 is specified.

THAILAND

Activity: Training of government technical staff.

Budget and date of EC approval: \$50,000 (June 1991)

Status: Completed. National staff training programmes have been completed. A junior national coordinator was recruited to assist the Government in coordination of ozone layer activities in Thailand. One microcomputer system was provided. This assistance helped the Government initiate coordination and monitoring of MP-related activities in Thailand. It will be followed up by the Institutional Strengthening project submitted for EC approval at its 9th Meeting.

TRINIDAD & TOBAGO

Activity: Training of Government technical staff and preliminary work on country programme.

Budget and date of EC approval: \$53,800 (June 1991)

Activity: CP preparation.

Budget and date of EC approval: \$25,000 (February 1992)

Status: Implementation about to start. These two activities have been grouped together. Very long startup delay. Problems have included the abolition of the Ministry of Environment in Dec 1991, the lack of a national counterpart, and the lack of adequate Government response to alternative UNDP proposals over the last nine months. The Government indicated in July 1991 that it wanted part of the aerosols TA/training funds to be used for CP preparation. In Aug 1991, UNDP had presented several options and needed a detailed Government response on what, if any, TA and training was required in the aerosols sector, the disaggregation of expenditures for CP formulation, and the utilization of remaining funds for either sectoral or project preparation activities. After months of written and telephone follow-up enquiries to the Government, the UNDP Field Office sent an urgent communication dated 15 Jan 1993 to the Government seeking an urgent response to all the above questions. On 23 Feb, the UNDP Field Office had discussions with both the Permanent Secretary, Office of the Prime Minister, and Permanent Secretary (Environment), Ministry of Planning and Development. On 4 March 1993, the Government indicated to UNDP: (a) its need for the allocated funds for CP preparation, refrigeration sector training

and that any remaining funds to be used for demonstration project formulation; (b) that it wished CARIRI to be involved in CP formulation as well as in follow-up activities. A draft implementation schedule was also presented. Activities are expected to start by April 1993 and to conclude by Dec 1993.

URUGUAY

Activity: Consultant mission to assess technical assistance requirement.

Budget and date of EC approval: \$13,500 (June 1991)

Status: Completed. Technical assistance requirements were evaluated and the ODS reconnaissance survey outline was prepared.

Activity: CP preparation.

Budget and date of EC approval: \$27,000 (October 1992)

Status: Ongoing. Two UNDP consultants assisted the Government in early-Feb 1993 in the ODS reconnaissance survey and in CP preparation. The ODS data has been collected and is being analyzed. The target date for CP completion is end-June 1993 in time for presentation to the 11th EC Meeting.

VENEZUELA

Activity: Technical assistance and training of service technicians in the refrigeration sector.

Budget and date of EC approval: \$30,000 (June 1991)

Status: Completed. Two national seminars on CFC usage in refrigeration systems and alternatives to CFCs held in June 1992 in Caracas and Valencia. The videotape is awaited for use as a training aid for other such workshops in Latin America.

Activity: Institutional strengthening.

Budget and date of EC approval: \$100,000 (October 1992)

Status: Implementation delayed pending EC approval. An initial advance of \$100,000 was approved by the EC at its 8th Meeting. The Government, UNDP and the Fund Secretariat have had intensive discussions since then on the total Institutional Strengthening programme for Venezuela. An agreement was reached in mid-Feb 1993 and the EC at its 9th Meeting will be requested to approve the remaining funds for this project. Following approval, a project document will be signed by end-March and financial transfers completed in April 1993. The timeframe is 1993-1995.

REGIONAL/SECTORAL PROGRAMMES

Activity: Three low-CFC foams training and demonstration programmes in Latin America, Middle East/Africa and Asia.

Budget and date of EC approval: \$157,500 (February 1992)

Status: Arrangements being finalized. They will be held in 3rd and 4th quarter 1993 under the supervision of UNDP's foams sector expert. The Asia demonstration programme will likely be held in China. Venues are under discussion for the Latin American and Middle East/Africa programmes. Activity completion by December 1993.

Activity: Procurement of 40 halons recycling machines for demonstration purposes.

Budget and date of EC approval: \$250,000 (February 1992)

Status: Equipment on order. The objective is to make one or more machines available to countries participating in halons recycling workshops. The approved amount covers the cost of the machines, transport, insurance and other expenses. With the assistance of

USEPA, UNDP had solicited bids for the machines. Three models were evaluated from three different companies. On the basis of performance and least-cost, FRC International's Model Defender 2000 Halon 1211 Recharge/Recovery Unit was selected. The US Navy had been running tests on some of the units, and on 5 Jan UNDP was informed that the equipment meets specifications. 26 machines would be distributed among 14 countries. The remaining 14 machines will be distributed to countries participating at the two UNDP halons recycling workshops in 1993. Activity completion by October 1993.

Activity: Two halons reduction/recycling training and demonstration programmes in Latin America and the Middle East.
Budget and date of EC approval: \$120,000 (February 1992)
Status: Arrangements being finalized. UNDP's halons sector expert is coordinating arrangements for these two programmes. The Middle East programme would be held in Egypt in 3rd quarter 1993 with USEPA technical assistance and in coordination with EEAA. Discussions are underway to select the location for the Latin America programme, which again will benefit from USEPA technical assistance and will be held in 3rd quarter 1993. Halons recycling machines will be made available to country participants at the Workshops. Activity completion expected by October 1993.

Activity: Three training and demonstration programmes in CFC recycling in MAC in Latin America, Middle East and Asia.
Budget and date of EC approval: \$135,000 (February 1992)
Status: No implementation to date. Locations are under discussion with interested governments. Target completion date: Dec 1993.

Activity: Six training and demonstration programmes in Asia, Africa, Latin America, and the Caribbean in centrifugal chillers CFC recovery and recycling.
Budget and date of EC approval: \$240,000 (February 1992)
Status: Ongoing. Two-day training workshop on centrifugal chillers sponsored jointly by SEDUE, USEPA and UNDP was held during 27-28 July 1992 in Mexico City. Participating countries were Argentina, Brazil, Panama, Uruguay and Venezuela. It was considered a success and replication has been requested by other countries. UNDP had intended to have a tie-in with the International Institute of Refrigeration (IIR) in Paris for the implementation of these Workshops. Arrangements could not be finalized due to cost and logistical reasons. It has now been agreed that UNEP will assist UNDP in the implementation of the remaining programmes in 1993, with UNDP providing the services of its refrigeration sector training expert for lecturing/demonstration. The target date for activity completion is December 1993.

GLOBAL PROGRAMMES

Activity: Technical assistance for aerosols sector activities in 9 countries including recruitment of a sector expert.
Budget and date of EC approval: \$60,000 (February 1992)
Status: Ongoing. The sector expert has been recruited and is now assisting UNDP identify countries with technical assistance needs, particularly in the design and implementation of pre-investment feasibility studies and development of proposals to phaseout CFC using aerosol applications within Government's specified time frame. Advice has already been provided in Jordan and China. Target activity completion date is December 1993.

Activity: Technical assistance for foams sector activities in over 12 countries including recruitment of a sector expert.
Budget and date of EC approval: \$40,000 for flexible foams and \$60,000 for rigid foams (February 1992)
Status: Ongoing. The sector expert has been recruited and is now assisting UNDP in the provision of technical assistance to countries requesting it. The expert is reviewing projects and is responsible for the implementation of UNDP's foams sector training and demonstration programmes. Advice had already been provided to Egypt and China. Activities have been coordinated with the World Bank's OORG and a foams sector phaseout strategy paper has been written. Target activity completion date is Dec 1993.

Activity: Halons sector technical assistance in 10 countries including recruitment of a sector expert.
Budget and date of EC approval: \$70,000 (February 1992)
Status: Ongoing. The sector expert has been recruited and is now assisting UNDP in the provision of technical assistance to countries requesting it. The expert is reviewing projects and is responsible for the implementation of UNDP's two halons training/demonstration programmes in the Middle East (Egypt) and Latin America that will be completed by 3rd quarter 1993. Advice to date mainly to China. Activities have been coordinated with the World Bank's OORG and with concerned bilaterals (e.g. USEPA). Target activity completion date is Dec 1993.

Activity: Global halons project.
Budget and date of EC approval: \$390,000 (October 1992)
Status: Ongoing. Discussions have been held with UNDP's sector expert, USEPA and the World Bank to initiate project implementation. Disbursements of funds planned to commence in late-March 1993.

Activity: Technical assistance in MAC.
Budget and date of EC approval: \$50,000 (February 1992)
Status: Implementation not yet started.

Activity: Technical assistance in refrigeration activities in 21 countries including recruitment of sector experts.
Budget and date of EC approval: \$90,000 (February 1992)
Status: Refrigeration sector training expert identified and recruited. Advice already provided to Ghana, Kenya and Nigeria. The expert will lecture and conduct the demonstrations at the six regional refrigeration sector training and demonstration programmes which will be conducted for UNDP by UNEP. Country-specific missions are also being finalized. The funding would also cover technical refrigeration sector expertise as required. Target activity completion date is Dec 1993.

Activity: Global MAC project.
Budget and date of EC approval: \$360,000 (October 1992)
Status: Discussions ongoing with World Bank, UNEP and other bilateral agencies on project implementation modalities.

Activity: Solvents sector technical assistance including recruitment of a sector expert.
Budget and date of EC approval: \$50,000 (February 1992)
Status: Ongoing. Solvents sector expert recruited and is providing requesting countries with needed technical assistance including review of project proposals and solvent sector phaseout programme evaluation. Target activity completion date is Dec 1993.

OTHER PROGRAMMES

Activity: Three national policy workshops

Budget and date of EC approval: \$45,000 (February 1992)

Status: To be implemented.

Activity: Two study tours for officials and industry representatives

Budget and date of EC approval: \$50,000 (February 1992)

Status: Aerosols study tour for Jordanian government and industry officials to Egypt is in the planning stage.

Activity: Participation at workshops/key meetings

Budget and date of EC approval: \$140,000 (February 1992)

Status: Thirty-three participants from 14 Article 5 countries participated at the 1992 International CFC and Halons Alternatives Conference held in Washington, D.C. on 29 September to 1 October 1992.

UNDP WORK PROGRAMME ACTIVITY STATUS

(1 March 1993)

<u>COUNTRY</u>	<u>ACTIVITIES</u>	<u>STATUS</u>
Argentina	1	starts April 1993
Bangladesh	2	both ongoing
Brazil	1	starts March 1993
Chile	1	starts March/April 1993
China	15	2 completed, 9 ongoing, 2 start in April 1993, 2 start 2Q1993
Costa Rica	3	2 completed, 1 ongoing
Cuba	1	ongoing
Ecuador	1	ongoing
Egypt	6	1 completed, 3 ongoing, 2 await 9th EC decision
Ghana	4	1 ongoing, 1 starts April 1993, 2 start 2Q1993
India	2	both ongoing
Indonesia	1	ongoing
Iran	4	1 completed, 1 ongoing, 2 start March/April 1993
Jordan	1	completed
Kenya	2	both ongoing
Malaysia	1	ongoing
Mexico	1	1 ongoing, 1 starts April 1993
Nigeria	1	completed
Philippines	2	1 completed, 1 ongoing
Sri Lanka	1	ongoing
Thailand	1	completed
Trinidad & Tobago	2	both start April 1993
Uruguay	2	1 completed, 1 ongoing
Venezuela	2	1 completed, 1 awaits 9th EC decision
Regional/sectoral	5	2 ongoing, 2 start March/April 1993, 1 in planning stage to start 2Q1993
Global	8	6 ongoing, 2 in planning stage to start 2Q1993
Other programmes	3	2 ongoing, 1 starts 2Q1993
TOTAL	75	12 COMPLETED 39 ONGOING 10 START MARCH/APRIL 1993 8 START 2Q1993 3 AWAIT 9TH EC DECISIONS