

# List of projects and activities approved for funding

UNEP/OzL.Pro/ExCom/35/67

Annex IV

| Project Title<br>(US\$/kg)                                                                                                                                                                                                                                           | Agency     | ODP<br>(tonnes) | Funds Approved (US\$) |                 | C.E.             |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-----------------|-----------------------|-----------------|------------------|
| Project                                                                                                                                                                                                                                                              |            |                 | Project               | Support         | Total            |
| <b>ALBANIA</b>                                                                                                                                                                                                                                                       |            |                 |                       |                 |                  |
| <b>SEVERAL</b>                                                                                                                                                                                                                                                       |            |                 |                       |                 |                  |
| <b>Institutional strengthening</b>                                                                                                                                                                                                                                   |            |                 |                       |                 |                  |
| Establishment of the Ozone Unit                                                                                                                                                                                                                                      | UNEP       |                 | \$42,000              | \$5,460         | \$47,460         |
| <i>Approved for one year in order to review the ODS consumption data for the completion of the country programme and RMP project.</i>                                                                                                                                |            |                 |                       |                 |                  |
| <b>Total for Albania</b>                                                                                                                                                                                                                                             |            |                 | <b>\$42,000</b>       | <b>\$5,460</b>  | <b>\$47,460</b>  |
| <b>ALGERIA</b>                                                                                                                                                                                                                                                       |            |                 |                       |                 |                  |
| <b>HALON</b>                                                                                                                                                                                                                                                         |            |                 |                       |                 |                  |
| <b>Banking</b>                                                                                                                                                                                                                                                       |            |                 |                       |                 |                  |
| Sectoral phase-out programme: establishment of a halon bank                                                                                                                                                                                                          | Germany    | 195.0           | \$259,500             | \$33,735        | \$293,235        |
| <i>Approved on the understanding that the importation of halon into Algeria will cease starting January 2004</i>                                                                                                                                                     |            |                 |                       |                 |                  |
| <b>Total for Algeria</b>                                                                                                                                                                                                                                             |            | <b>195.0</b>    | <b>\$259,500</b>      | <b>\$33,735</b> | <b>\$293,235</b> |
| <b>BAHAMAS</b>                                                                                                                                                                                                                                                       |            |                 |                       |                 |                  |
| <b>PHASEOUT PLAN</b>                                                                                                                                                                                                                                                 |            |                 |                       |                 |                  |
| <b>CFC phase-out plan</b>                                                                                                                                                                                                                                            |            |                 |                       |                 |                  |
| Terminal phase-out management plan                                                                                                                                                                                                                                   | World Bank | 18.0            | \$240,000             | \$31,200        | \$271,200        |
| <i>To be implemented in accordance with the conditions for the terminal CFC phase-out management plan agreed between the Government of the Bahamas and the Executive Committee at a total amount of US \$560,000 to phase out 66 ODP tonnes (C.E. US \$8.48/kg)</i>  |            |                 |                       |                 |                  |
| <b>Total for Bahamas</b>                                                                                                                                                                                                                                             |            | <b>18.0</b>     | <b>\$240,000</b>      | <b>\$31,200</b> | <b>\$271,200</b> |
| <b>BANGLADESH</b>                                                                                                                                                                                                                                                    |            |                 |                       |                 |                  |
| <b>SEVERAL</b>                                                                                                                                                                                                                                                       |            |                 |                       |                 |                  |
| <b>Institutional strengthening</b>                                                                                                                                                                                                                                   |            |                 |                       |                 |                  |
| Renewal of the institutional strengthening project (phase III)                                                                                                                                                                                                       | UNDP       |                 | \$100,000             | \$13,000        | \$113,000        |
| <i>Approved on the understanding that no funding will be disbursed until confirmation had been received from UNDP that the project to phase out CFCs in the aerosol sector had been completed and CFCs were no longer being used by the enterprise.</i>              |            |                 |                       |                 |                  |
| <b>Total for Bangladesh</b>                                                                                                                                                                                                                                          |            |                 | <b>\$100,000</b>      | <b>\$13,000</b> | <b>\$113,000</b> |
| <b>BOLIVIA</b>                                                                                                                                                                                                                                                       |            |                 |                       |                 |                  |
| <b>FOAM</b>                                                                                                                                                                                                                                                          |            |                 |                       |                 |                  |
| <b>Multiple-subsectors</b>                                                                                                                                                                                                                                           |            |                 |                       |                 |                  |
| Foam sector ODS phase-out                                                                                                                                                                                                                                            | UNDP       | 4.9             | \$161,211             | \$20,957        | \$182,168        |
| <i>Approved on the understanding that the Government will not submit any further requests for assistance in the foam sector and that the Government will have the flexibility in disbursing the approved funds provided that all the project objectives are met.</i> |            |                 |                       |                 |                  |

# List of projects and activities approved for funding

UNEP/OzL.Pro/ExCom/35/67

Annex IV

| Project Title<br>(US\$/kg)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Agency | ODP<br>(tonnes) | Funds Approved (US\$) |                  | C.E.             |        |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-----------------|-----------------------|------------------|------------------|--------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |        |                 | Project               | Support          | Total            |        |
| <b>FUMIGANT</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |        |                 |                       |                  |                  |        |
| <b>Methyl bromide</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |        |                 |                       |                  |                  |        |
| Terminal methyl bromide phase-out, excluding QPS applications                                                                                                                                                                                                                                                                                                                                                                                                                                                   | UNDP   | 1.5             | \$221,032             | \$28,734         | \$249,766        | 145.41 |
| <i>Approved taking into account the country's possible non-compliance with the 2002 freeze, and the fact that the project is similar to demonstration projects approved by the Executive Committee in this sector. The project is to be implemented in accordance with the conditions for the phase-out of methyl bromide in Bolivia agreed between the Government of Bolivia and the Executive Committee (Note: the cost effectiveness of project excluding the demonstration component, is US \$33.6/kg).</i> |        |                 |                       |                  |                  |        |
| <b>Total for Bolivia</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |        | <b>6.4</b>      | <b>\$382,243</b>      | <b>\$49,692</b>  | <b>\$431,935</b> |        |
| <b>BOSNIA AND HERZEGOVINA</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |        |                 |                       |                  |                  |        |
| <b>FOAM</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |        |                 |                       |                  |                  |        |
| <b>Flexible slabstock</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |        |                 |                       |                  |                  |        |
| Conversion from CFC-11 to methylene chloride in the production of flexible slabstock foam at Inga Co.                                                                                                                                                                                                                                                                                                                                                                                                           | UNIDO  | 21.0            | \$101,950             | \$13,254         | \$115,204        | 5.50   |
| <b>REFRIGERATION</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |        |                 |                       |                  |                  |        |
| <b>Domestic</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |        |                 |                       |                  |                  |        |
| Replacement of refrigerant CFC-12 with HFC-134a and foam blowing agent CFC-11 with cyclopentane in the manufacture of commercial refrigeration equipment at Bira, Bihac                                                                                                                                                                                                                                                                                                                                         | UNIDO  | 29.0            | \$536,956             | \$69,065         | \$606,021        | 12.05  |
| <b>Commercial</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |        |                 |                       |                  |                  |        |
| Replacement of refrigerants CFC-12 and R-502 with HFC-134a and R-404A, and foam blowing agent CFC-11 with HCFC-141b in the manufacture of commercial refrigeration Equipment and cold refrigeration chambers at Soko                                                                                                                                                                                                                                                                                            | UNIDO  | 17.4            | \$159,707             | \$20,762         | \$180,469        | 9.18   |
| <b>Total for Bosnia and Herzegovina</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |        | <b>67.4</b>     | <b>\$798,613</b>      | <b>\$103,081</b> | <b>\$901,694</b> |        |
| <b>BRAZIL</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |        |                 |                       |                  |                  |        |
| <b>REFRIGERATION</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |        |                 |                       |                  |                  |        |
| <b>Commercial</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |        |                 |                       |                  |                  |        |
| Umbrella project for two enterprises converting from CFC-11 to HCFC-141b and from CFC-12 to HFC-134a at Argi and Hornburg                                                                                                                                                                                                                                                                                                                                                                                       | UNIDO  | 11.2            | \$108,050             | \$14,047         | \$122,097        | 9.64   |
| <b>Total for Brazil</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |        | <b>11.2</b>     | <b>\$108,050</b>      | <b>\$14,047</b>  | <b>\$122,097</b> |        |
| <b>BURUNDI</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        |                 |                       |                  |                  |        |
| <b>AEROSOL</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        |                 |                       |                  |                  |        |
| <b>Filling plant</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |        |                 |                       |                  |                  |        |
| Phase-out of CFC-11 and CFC-12 mixture in the manufacture of insecticides by conversion to hydrocarbon propellant at Fadi, S.A. (Fabrication d'insecticide et de product chimique)                                                                                                                                                                                                                                                                                                                              | UNDP   | 8.8             | \$128,900             | \$16,757         | \$145,657        |        |
| <b>FOAM</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |        |                 |                       |                  |                  |        |
| <b>Flexible slabstock</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |        |                 |                       |                  |                  |        |
| Phasing out of CFC-11 in the manufacture of flexible slabstock foam by conversion to methylene chloride at Exim, S.A.                                                                                                                                                                                                                                                                                                                                                                                           | UNDP   | 26.3            | \$78,262              | \$10,174         | \$88,436         | 2.98   |
| <b>Total for Burundi</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |        | <b>35.0</b>     | <b>\$207,162</b>      | <b>\$26,931</b>  | <b>\$234,093</b> |        |

# List of projects and activities approved for funding

UNEP/OzL.Pro/ExCom/35/67

Annex IV

| Project Title<br>(US\$/kg)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Agency | ODP<br>(tonnes) | Funds Approved (US\$) |                  | C.E.               |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-----------------|-----------------------|------------------|--------------------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |        |                 | Project               | Support          | Total              |
| <b>CAMBODIA</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |        |                 |                       |                  |                    |
| <b>SEVERAL</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |        |                 |                       |                  |                    |
| <b>Technical assistance/support</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |        |                 |                       |                  |                    |
| Formulation of national phase-out strategy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | UNEP   |                 | \$60,000              | \$7,800          | \$67,800           |
| <b>Total for Cambodia</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |        |                 | <b>\$60,000</b>       | <b>\$7,800</b>   | <b>\$67,800</b>    |
| <b>CAPE VERDE</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |        |                 |                       |                  |                    |
| <b>SEVERAL</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |        |                 |                       |                  |                    |
| <b>Technical assistance/support</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |        |                 |                       |                  |                    |
| Formulation of national phase-out strategy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | UNEP   |                 | \$40,000              | \$5,200          | \$45,200           |
| <b>Total for Cape Verde</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |        |                 | <b>\$40,000</b>       | <b>\$5,200</b>   | <b>\$45,200</b>    |
| <b>CHILE</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |        |                 |                       |                  |                    |
| <b>REFRIGERATION</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |        |                 |                       |                  |                    |
| <b>Refrigerant management plan</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |        |                 |                       |                  |                    |
| Implementation of the RMP: training programme for technicians and establishment of refrigeration standards<br><i>Approved subject to the stipulation that Chile will commit to achieving the 50 per cent reduction in ODS consumption in the servicing sector (identified in the refrigerant management plan as 219.4 ODP tonnes) by 2005 and the 85 per cent reduction by 2007, with no further request for funding in this sector.</i>                                                                                                                                                                                    | Canada |                 | \$260,000             | \$33,800         | \$293,800          |
| Implementation of the RMP: monitoring, evaluation and reporting of the activities in the RMP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | UNEP   |                 | \$52,000              | \$6,760          | \$58,760           |
| Implementation of the RMP: enabling a control and regulatory network                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | UNEP   |                 | \$111,400             | \$14,482         | \$125,882          |
| Implementation of the RMP: end-users and public awareness programme                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | UNEP   |                 | \$172,000             | \$22,360         | \$194,360          |
| Implementation of the RMP: recovery and recycling programme<br><i>Approved on the understanding that the project will not commence until the legislation controlling CFCs import will be in place and the price of CFCs increase to a level equivalent to the local market price of non-ODS refrigerants and subject to the stipulation that Chile will commit to achieving the 50 per cent reduction in ODS consumption in the servicing sector (identified in the refrigerant management plan as 219.4 ODP tonnes) by 2005 and the 85 per cent reduction by 2007, with no further request for funding in this sector.</i> | Canada | 40.0            | \$531,620             | \$53,162         | \$584,782          |
| <b>Total for Chile</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |        | <b>59.8</b>     | <b>\$1,539,761</b>    | <b>\$184,220</b> | <b>\$1,723,981</b> |
| <b>CHINA</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |        |                 |                       |                  |                    |
| <b>FOAM</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |        |                 |                       |                  |                    |
| <b>Polystyrene/polyethylene</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |        |                 |                       |                  |                    |
| Phase-out of CFC-12 in the manufacturing of extruded polystyrene foams through the use of butane as a blowing agent at 7 enterprises (terminal umbrella project)                                                                                                                                                                                                                                                                                                                                                                                                                                                            | UNIDO  | 359.0           | \$2,450,123           | \$279,514        | \$2,729,637        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |        |                 |                       |                  | 6.82               |

# List of projects and activities approved for funding

UNEP/OzL.Pro/ExCom/35/67

Annex IV

| Project Title<br>(US\$/kg)                                                                                                                                                                                                                                                                              | Agency     | ODP<br>(tonnes) | Funds Approved<br>Project | Support            | (US\$)<br>Total    | C.E.  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-----------------|---------------------------|--------------------|--------------------|-------|
| <b>Multiple-subsectors</b>                                                                                                                                                                                                                                                                              |            |                 |                           |                    |                    |       |
| CFC phase-out in the polyurethane foam sector - 2002 annual Programme<br><i>Approved in accordance with the agreement between the Government of China and the Executive Committee.</i>                                                                                                                  | World Bank | 2,000.0         | \$9,940,000               | \$886,600          | \$10,826,600       | 4.97  |
| <b>FUMIGANT</b>                                                                                                                                                                                                                                                                                         |            |                 |                           |                    |                    |       |
| <b>Technical assistance/support</b>                                                                                                                                                                                                                                                                     |            |                 |                           |                    |                    |       |
| Awareness raising workshop to support ratification of the Copenhagen Amendment<br><i>Approved subject to receipt by the Fund Secretariat of a letter from the Government of China indicating its intention to complete the ratification of the Copenhagen amendment within the following 12 months.</i> | UNEP       |                 | \$100,000                 | \$13,000           | \$113,000          |       |
| Techno-economic evaluation of methyl bromide alternatives<br><i>Approved subject to receipt by the Fund Secretariat of a letter from the Government of China indicating its intention to complete the ratification of the Copenhagen amendment within the following 12 months.</i>                      | UNEP       |                 | \$80,000                  | \$10,400           | \$90,400           |       |
| <b>HALON</b>                                                                                                                                                                                                                                                                                            |            |                 |                           |                    |                    |       |
| <b>General</b>                                                                                                                                                                                                                                                                                          |            |                 |                           |                    |                    |       |
| Halon sector: 2002 annual programme (fifth tranche)<br><i>In addition, 2,169 ODP tonnes of halon will be phased out in the production sector.</i>                                                                                                                                                       | World Bank | 2,889.0         | \$3,700,000               | \$370,000          | \$4,070,000        |       |
| <b>REFRIGERATION</b>                                                                                                                                                                                                                                                                                    |            |                 |                           |                    |                    |       |
| <b>Domestic</b>                                                                                                                                                                                                                                                                                         |            |                 |                           |                    |                    |       |
| Conversion of the use of CFC-12 to HC in the manufacture of thermostats at Foshan Tongbao Co., Ltd.                                                                                                                                                                                                     | Germany    | 11.5            | \$213,271                 | \$27,725           | \$240,996          | 18.58 |
| <b>Total for China</b>                                                                                                                                                                                                                                                                                  |            | <b>5,259.5</b>  | <b>\$16,483,39</b>        | <b>\$1,587,239</b> | <b>\$18,070,63</b> |       |
| <b>COLOMBIA</b>                                                                                                                                                                                                                                                                                         |            |                 |                           |                    |                    |       |
| <b>REFRIGERATION</b>                                                                                                                                                                                                                                                                                    |            |                 |                           |                    |                    |       |
| <b>Training programme/workshop</b>                                                                                                                                                                                                                                                                      |            |                 |                           |                    |                    |       |
| Training programme for customs officers<br><i>Approved on the understanding that no additional funding will be requested for customs training in Colombia.</i>                                                                                                                                          | Canada     |                 | \$106,150                 | \$13,799           | \$119,949          |       |
| <b>Total for Colombia</b>                                                                                                                                                                                                                                                                               |            |                 | <b>\$106,150</b>          | <b>\$13,799</b>    | <b>\$119,949</b>   |       |
| <b>COMOROS</b>                                                                                                                                                                                                                                                                                          |            |                 |                           |                    |                    |       |
| <b>REFRIGERATION</b>                                                                                                                                                                                                                                                                                    |            |                 |                           |                    |                    |       |
| <b>Refrigerant management plan</b>                                                                                                                                                                                                                                                                      |            |                 |                           |                    |                    |       |
| Implementation of the RMP: monitoring of RMP implementation and its impact in the service and end-users sectors                                                                                                                                                                                         | UNEP       |                 | \$18,000                  | \$2,340            | \$20,340           |       |
| Implementation of the RMP: training of customs officers in identification and control of ODS imports                                                                                                                                                                                                    | UNEP       |                 | \$39,000                  | \$5,070            | \$44,070           |       |
| Implementation of the RMP: assessment of the end-users subsector                                                                                                                                                                                                                                        | UNEP       |                 | \$30,000                  | \$3,900            | \$33,900           |       |
| Implementation of the RMP: train the trainer and training of refrigeration service technicians                                                                                                                                                                                                          | UNEP       |                 | \$51,000                  | \$6,630            | \$57,630           |       |
| <b>Total for Comoros</b>                                                                                                                                                                                                                                                                                |            |                 | <b>\$138,000</b>          | <b>\$17,940</b>    | <b>\$155,940</b>   |       |

# List of projects and activities approved for funding

UNEP/OzL.Pro/ExCom/35/67

Annex IV

| Project Title<br>(US\$/kg)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Agency | ODP<br>(tonnes) | Funds Approved (US\$) |                  | C.E.               |       |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-----------------|-----------------------|------------------|--------------------|-------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |        |                 | Project               | Support          | Total              |       |
| <b>CONGO, DR</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |        |                 |                       |                  |                    |       |
| <b>FOAM</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |        |                 |                       |                  |                    |       |
| <b>Flexible slabstock</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |        |                 |                       |                  |                    |       |
| Phasing out of CFC-11 in the manufacture of flexible slabstock foam by conversion to methylene chloride at Complast SPRL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | UNDP   | 38.0            | \$190,820             | \$24,807         | \$215,627          | 5.02  |
| Phasing out of CFC-11 in the manufacture of flexible slabstock foam by conversion to methylene chloride at M.K. SPRL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | UNDP   | 26.0            | \$149,800             | \$19,474         | \$169,274          | 5.76  |
| <b>Total for Congo, DR</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |        | <b>64.0</b>     | <b>\$340,620</b>      | <b>\$44,281</b>  | <b>\$384,901</b>   |       |
| <b>COSTA RICA</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |        |                 |                       |                  |                    |       |
| <b>FUMIGANT</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |        |                 |                       |                  |                    |       |
| <b>Methyl bromide</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |        |                 |                       |                  |                    |       |
| Total methyl bromide phase-out used as a fumigant in melons, cut flowers, bananas, tobacco seedbeds and nurseries, excluding QPS applications (first tranche)<br><i>The Executive Committee agrees to approve, in principle, US \$4,845,283 as the total funds that will be available to achieve the phase-out of methyl bromide used for all purposes in Costa Rica, excluding quarantine and pre-shipment applications (for a total phase-out of 426.9 ODP tonnes at a cost effectiveness of US \$11.35/kg), subject to the conditions agreed between the Government of Costa Rica and the Executive Committee.</i> | UNDP   | 84.4            | \$1,211,321           | \$143,245        | \$1,354,566        | 14.35 |
| <b>SEVERAL</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |        |                 |                       |                  |                    |       |
| <b>Institutional strengthening</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |        |                 |                       |                  |                    |       |
| Renewal of the institutional strengthening project                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | UNDP   |                 | \$108,087             | \$14,051         | \$122,138          |       |
| <b>Total for Costa Rica</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |        | <b>84.4</b>     | <b>\$1,319,408</b>    | <b>\$157,297</b> | <b>\$1,476,705</b> |       |
| <b>CROATIA</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |        |                 |                       |                  |                    |       |
| <b>FUMIGANT</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |        |                 |                       |                  |                    |       |
| <b>Methyl bromide</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |        |                 |                       |                  |                    |       |
| Phase-out of methyl bromide in tobacco seedlings<br><i>Approved on an exceptional basis, given the unfavourable cost-effectiveness of about US \$30 per kg; the Government of Croatia called upon to undertake the utmost efforts to ensure cost-effectiveness and savings in the implementation of the project and full compliance with the phase-out schedule. The project is to be implemented in accordance with the conditions for the phase-out of methyl bromide agreed between the Government of Croatia and the Executive Committee.</i>                                                                     | UNIDO  | 16.2            | \$476,833             | \$61,988         | \$538,821          | 29.43 |
| <b>Total for Croatia</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |        | <b>16.2</b>     | <b>\$476,833</b>      | <b>\$61,988</b>  | <b>\$538,821</b>   |       |
| <b>GEORGIA</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |        |                 |                       |                  |                    |       |
| <b>REFRIGERATION</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        |                 |                       |                  |                    |       |
| <b>Refrigerant management plan</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |        |                 |                       |                  |                    |       |
| Implementation of the RMP: monitoring the activities in the RMP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | UNDP   |                 | \$16,350              | \$2,126          | \$18,476           |       |
| Implementation of the RMP: training programme in the refrigeration sector (phase III)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | UNEP   |                 | \$20,000              | \$2,600          | \$22,600           |       |
| Implementation of the RMP: incentive programme for the end-users in the commercial/industrial refrigeration and refrigerated transport sub-sectors                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | UNDP   | 1.5             | \$101,000             | \$13,130         | \$114,130          | 20.20 |

# List of projects and activities approved for funding

UNEP/OzL.Pro/ExCom/35/67

Annex IV

| Project Title<br>(US\$/kg)                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Agency | ODP<br>(tonnes) | Funds Approved (US\$)<br>Project | Support         | Total            | C.E.  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-----------------|----------------------------------|-----------------|------------------|-------|
| <b>Total for Georgia</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |        | <b>1.5</b>      | <b>\$137,350</b>                 | <b>\$17,856</b> | <b>\$155,206</b> |       |
| <b>GUATEMALA</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |        |                 |                                  |                 |                  |       |
| <b>REFRIGERATION</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |        |                 |                                  |                 |                  |       |
| <b>Refrigerant management plan</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                             |        |                 |                                  |                 |                  |       |
| Implementation of the RMP: establishment and enforcement of legislation                                                                                                                                                                                                                                                                                                                                                                                                                        | UNEP   |                 | \$62,000                         | \$8,060         | \$70,060         |       |
| <b>Training programme/workshop</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                             |        |                 |                                  |                 |                  |       |
| Implementation of the RMP: customs training programme                                                                                                                                                                                                                                                                                                                                                                                                                                          | UNEP   |                 | \$56,000                         | \$7,280         | \$63,280         |       |
| <b>Technical assistance/support</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                            |        |                 |                                  |                 |                  |       |
| Implementation of the RMP: alternatives to the use of CFC-12                                                                                                                                                                                                                                                                                                                                                                                                                                   | UNEP   |                 | \$58,000                         | \$7,540         | \$65,540         |       |
| Implementation of the RMP: monitoring the activities in the RMP                                                                                                                                                                                                                                                                                                                                                                                                                                | UNEP   |                 | \$31,800                         | \$4,134         | \$35,934         |       |
| Implementation of the RMP: establishment of licensing system                                                                                                                                                                                                                                                                                                                                                                                                                                   | UNEP   |                 | \$23,200                         | \$3,016         | \$26,216         |       |
| <b>SEVERAL</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |        |                 |                                  |                 |                  |       |
| <b>Institutional strengthening</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                             |        |                 |                                  |                 |                  |       |
| Renewal of the institutional strengthening project                                                                                                                                                                                                                                                                                                                                                                                                                                             | UNEP   |                 | \$96,000                         | \$12,480        | \$108,480        |       |
| <b>Total for Guatemala</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |        |                 | <b>\$327,000</b>                 | <b>\$42,510</b> | <b>\$369,510</b> |       |
| <b>GUYANA</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        |                 |                                  |                 |                  |       |
| <b>REFRIGERATION</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |        |                 |                                  |                 |                  |       |
| <b>Refrigerant management plan</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                             |        |                 |                                  |                 |                  |       |
| Implementation of the RMP: assistance for implementation of additional activities in the RMP                                                                                                                                                                                                                                                                                                                                                                                                   | UNEP   |                 | \$65,500                         | \$8,515         | \$74,015         |       |
| <b>Total for Guyana</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |        |                 | <b>\$65,500</b>                  | <b>\$8,515</b>  | <b>\$74,015</b>  |       |
| <b>INDIA</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |        |                 |                                  |                 |                  |       |
| <b>PROCESS AGENT</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |        |                 |                                  |                 |                  |       |
| <b>Process conversion</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |        |                 |                                  |                 |                  |       |
| Conversion of carbon tetrachloride as process agent to cyclohexane at Amoli Organics Limited, Mumbai                                                                                                                                                                                                                                                                                                                                                                                           | UNIDO  | 38.5            | \$385,367                        | \$50,098        | \$435,465        | 10.01 |
| <i>In approving the project, the Executive Committee decided to take note of: (i) the expectation that, following the approval of funds for sector plans for the process agent sector in India, future proposals will be submitted in the context of a sector plan, and; (ii) the need for full data to be provided on the relevant sub-sector, including the remaining consumption to be phased out in the sub-sector, with a view to considering the scope for industrial consolidation.</i> |        |                 |                                  |                 |                  |       |
| <b>REFRIGERATION</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |        |                 |                                  |                 |                  |       |
| <b>Commercial</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |        |                 |                                  |                 |                  |       |
| Conversion from CFC-11 to HCFC-141b technology and from CFC-12 to HFC-134a technology in the manufacture of commercial refrigeration equipment at Ice-Make Refrigeration                                                                                                                                                                                                                                                                                                                       | UNDP   | 12.4            | \$157,305                        | \$20,450        | \$177,755        | 12.72 |
| Conversion from CFC-11 to HCFC-141b and from CFC-12 to HFC-134a technology in the manufacture of commercial refrigeration equipment at nine enterprises                                                                                                                                                                                                                                                                                                                                        | UNDP   | 56.5            | \$726,448                        | \$89,909        | \$816,357        | 12.85 |
| Conversion from CFC-11 to HCFC-141b technology and from CFC-12 to HFC-134a technology in the manufacture of commercial refrigeration equipment at Konark Refrigeration Appliances P., Ltd.                                                                                                                                                                                                                                                                                                     | UNDP   | 13.1            | \$182,684                        | \$23,749        | \$206,433        | 13.98 |
| Conversion from CFC-11 to HCFC-141b and from CFC-12 to                                                                                                                                                                                                                                                                                                                                                                                                                                         | UNDP   | 68.0            | \$960,097                        | \$115,611       | \$1,075,708      | 15.21 |

# List of projects and activities approved for funding

UNEP/OzL.Pro/ExCom/35/67

Annex IV

| Project Title<br>(US\$/kg)                                                                                                                                                         | Agency     | ODP<br>(tonnes) | Funds Approved (US\$)<br>Project | Support          | Total              | C.E.  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-----------------|----------------------------------|------------------|--------------------|-------|
| HFC-134a technology in the manufacture of commercial refrigeration equipment at fourteen enterprises                                                                               |            |                 |                                  |                  |                    |       |
| <b>SOLVENT</b>                                                                                                                                                                     |            |                 |                                  |                  |                    |       |
| <b>Training programme/workshop</b>                                                                                                                                                 |            |                 |                                  |                  |                    |       |
| Overall strategy for the solvent sector to support the phaseout of ODS in SMEs                                                                                                     | UNEP       |                 | \$169,000                        | \$21,970         | \$190,970          |       |
| <i>Approved on the understanding that UNEP would liaise closely with UNIDO and the World Bank in relation to the investment projects included in the strategy.</i>                 |            |                 |                                  |                  |                    |       |
| <b>Total for India</b>                                                                                                                                                             |            | <b>188.5</b>    | <b>\$2,580,901</b>               | <b>\$321,786</b> | <b>\$2,902,687</b> |       |
| <b>INDONESIA</b>                                                                                                                                                                   |            |                 |                                  |                  |                    |       |
| <b>FOAM</b>                                                                                                                                                                        |            |                 |                                  |                  |                    |       |
| <b>Rigid</b>                                                                                                                                                                       |            |                 |                                  |                  |                    |       |
| Phase-out of CFC-11 by conversion to HCFC-141b in the manufacture of rigid polyurethane foam (cooler box products) at Dua Roda Industrial Co.                                      | World Bank | 11.2            | \$52,457                         | \$6,819          | \$59,276           | 4.68  |
| Phase-out of CFC-11 by conversion to HCFC-141b in the manufacture of rigid polyurethane foam (house ware products) at PT Maspion Plastic and Metal Industry                        | World Bank | 18.1            | \$141,723                        | \$18,424         | \$160,147          | 7.83  |
| Phase-out of CFC-11 by conversion to HCFC-141b in the manufacture of rigid polyurethane foam (steel door) at PT Bostinco                                                           | World Bank | 11.3            | \$88,479                         | \$11,502         | \$99,981           | 8.53  |
| <b>Integral skin</b>                                                                                                                                                               |            |                 |                                  |                  |                    |       |
| Phase-out of CFC-11 by conversion to 100% water based technology in the manufacture of polyurethane integral skin shoe soles at PT Udapana Swasti                                  | World Bank | 28.0            | \$165,201                        | \$21,476         | \$186,677          | 5.90  |
| Conversion from CFC-11 to fully water-based technology in the manufacture of flexible molded polyurethane foam at PT Kemenangan                                                    | UNDP       | 13.1            | \$104,817                        | \$13,626         | \$118,443          | 8.02  |
| <b>REFRIGERATION</b>                                                                                                                                                               |            |                 |                                  |                  |                    |       |
| <b>Commercial</b>                                                                                                                                                                  |            |                 |                                  |                  |                    |       |
| Conversion from CFC-11 to HCFC-141b technology and from CFC-12 to HFC-134a technology in the manufacture of commercial refrigeration equipment and rigid foam at PT Leoindo Kreasi | UNDP       | 15.7            | \$119,394                        | \$15,521         | \$134,915          | 7.59  |
| Conversion from CFC-11 to HCFC-141b technology and from CFC-12 to HFC-134a technology in the manufacture of commercial refrigeration equipment and rigid foam at PT Nikoteknik     | UNDP       | 27.9            | \$238,903                        | \$31,057         | \$269,960          | 8.56  |
| Conversion from CFC-11 to HCFC-141b technology and from CFC-12 to HFC-134a technology in the manufacture of commercial refrigeration equipment at PT Sapporo Mestika               | UNDP       | 11.2            | \$153,768                        | \$19,990         | \$173,758          | 13.76 |
| Conversion from CFC-11 to HCFC-141b technology and from CFC-12 to HFC-134a technology in the manufacture of commercial refrigeration equipment at PT Alfa Metalindo Agra           | UNDP       | 9.7             | \$146,960                        | \$19,105         | \$166,065          | 15.21 |
| Conversion from CFC-11 to HCFC-141b technology and from CFC-12 to HFC-134a technology in the manufacture of commercial refrigeration equipment at PT Gastro Gizi Sarana            | UNDP       | 15.5            | \$221,049                        | \$28,736         | \$249,785          | 15.21 |
| Conversion from CFC-11 to HCFC-141b technology and from CFC-12 to HFC-134a technology in the manufacture of                                                                        | UNDP       | 9.6             | \$145,894                        | \$18,966         | \$164,860          | 15.21 |

# List of projects and activities approved for funding

UNEP/OzL.Pro/ExCom/35/67

Annex IV

| Project Title<br>(US\$/kg)                                                                                                                                                                                                                                                                                                                                          | Agency                     | ODP<br>(tonnes) | Funds Approved (US\$)<br>Project | Support          | Total              | C.E.  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|-----------------|----------------------------------|------------------|--------------------|-------|
| commercial refrigeration equipment at PT Hatindo Metal Utama                                                                                                                                                                                                                                                                                                        |                            |                 |                                  |                  |                    |       |
|                                                                                                                                                                                                                                                                                                                                                                     | <b>Total for Indonesia</b> | <b>171.2</b>    | <b>\$1,578,645</b>               | <b>\$205,224</b> | <b>\$1,783,869</b> |       |
| <b>IRAN</b>                                                                                                                                                                                                                                                                                                                                                         |                            |                 |                                  |                  |                    |       |
| <b>FOAM</b>                                                                                                                                                                                                                                                                                                                                                         |                            |                 |                                  |                  |                    |       |
| <b>Flexible slabstock</b>                                                                                                                                                                                                                                                                                                                                           |                            |                 |                                  |                  |                    |       |
| Conversion of the use of CFC to LCD in the manufacture of flexible foam at Esfanj Jajerood foam company<br><i>Approved on the understanding that the US \$50,000 licencing fee for the LCD technology will not be committed for expenditure until the Executive Committee has considered a report on revision of the guidelines for LCD</i>                         | Germany                    | 89.0            | \$499,299                        | \$64,909         | \$564,208          | 5.63  |
| Phasing out of ODS in the manufacture of flexible slab stock foam through the use of LCD blowing technology at Abre Shomal, Co.<br><i>Approved on the understanding that the US \$50,000 licencing fee for the LCD technology will not be committed for expenditure until the Executive Committee has considered a report on revision of the guidelines for LCD</i> | UNIDO                      | 90.4            | \$552,148                        | \$70,736         | \$622,884          | 6.10  |
| <b>Integral skin</b>                                                                                                                                                                                                                                                                                                                                                |                            |                 |                                  |                  |                    |       |
| Conversion from CFC-11 to water-blown technology in the manufacture of flexible molded polyurethane foam at Sandalisazi Esfanje Ghalebi Iran                                                                                                                                                                                                                        | UNDP                       | 22.4            | \$188,820                        | \$24,547         | \$213,367          | 8.43  |
| <b>Preparation of project proposal</b>                                                                                                                                                                                                                                                                                                                              |                            |                 |                                  |                  |                    |       |
| Project preparation for the phase-out of ODS use in the flexible foam sub-sector in 5 companies                                                                                                                                                                                                                                                                     | Germany                    |                 | \$23,750                         | \$3,088          | \$26,838           |       |
| <b>REFRIGERATION</b>                                                                                                                                                                                                                                                                                                                                                |                            |                 |                                  |                  |                    |       |
| <b>Domestic</b>                                                                                                                                                                                                                                                                                                                                                     |                            |                 |                                  |                  |                    |       |
| Conversion from CFC-11 to HCFC-141b and CFC-12 to HFC-134a technology in the manufacture of domestic refrigeration equipment at Ariz Pooyaye Sanat (Ariz Co.)                                                                                                                                                                                                       | UNIDO                      | 7.6             | \$86,365                         | \$11,227         | \$97,592           | 11.40 |
| Conversion from CFC-11 to HCFC-141b technology and from CFC-12 to HFC-134a technology in the manufacture of domestic refrigerators at Parto Shiva Sanaat                                                                                                                                                                                                            | UNDP                       | 23.9            | \$283,948                        | \$36,913         | \$320,861          | 11.90 |
| Conversion from CFC-11 to HCFC-141b and CFC-12 to HFC-134a technology in the manufacture of domestic refrigeration equipment at Yaghoubali Bazdid Vahdat (Isun Co.)                                                                                                                                                                                                 | UNIDO                      | 10.5            | \$131,605                        | \$17,109         | \$148,714          | 12.56 |
| Conversion from CFC-11 to HCFC-141b technology and from CFC-12 to HFC-134a technology in the manufacture of domestic refrigerators at Garm Iran Co.                                                                                                                                                                                                                 | UNDP                       | 11.8            | \$153,447                        | \$19,948         | \$173,395          | 13.00 |
| Conversion from CFC-11 to HCFC-141b and CFC-12 to HFC-134a technology in the manufacture of domestic refrigeration equipment at Borna Sanat Arak                                                                                                                                                                                                                    | UNIDO                      | 8.0             | \$108,238                        | \$14,071         | \$122,309          | 13.52 |
| <b>Commercial</b>                                                                                                                                                                                                                                                                                                                                                   |                            |                 |                                  |                  |                    |       |
| Conversion from CFC-11 to HCFC-141b technology and from CFC-12 to HFC-134a technology in the manufacture of commercial refrigeration equipment and rigid foam at Tehran Sardaszi Industrial Co.                                                                                                                                                                     | UNDP                       | 15.5            | \$125,244                        | \$16,282         | \$141,526          | 8.08  |
| Conversion from CFC-11 to HCFC-141b technology and from CFC-12 to HFC-134a technology in the manufacture of commercial refrigeration equipment and rigid foam at                                                                                                                                                                                                    | UNDP                       | 17.7            | \$144,715                        | \$18,813         | \$163,528          | 8.20  |

# List of projects and activities approved for funding

UNEP/OzL.Pro/ExCom/35/67

Annex IV

| Project Title<br>(US\$/kg)                                                                                                                                                                   | Agency | ODP<br>(tonnes) | Funds Approved<br>Project | Support (US\$) | Total     | C.E.  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-----------------|---------------------------|----------------|-----------|-------|
| Mehran Sard, Co.                                                                                                                                                                             |        |                 |                           |                |           |       |
| Conversion from CFC-11 to HCFC-141b technology and from CFC-12 to HFC-134a technology in the manufacture of commercial refrigeration equipment at Havasaz Manufacturing and Industrial Co.   | UNDP   | 24.5            | \$252,294                 | \$32,798       | \$285,092 | 10.30 |
| Conversion from CFC-11 to HCFC-141b and CFC-12 to HFC-134a technology in the manufacture of commercial refrigeration equipment at Sarma Gostar Co.                                           | UNIDO  | 9.3             | \$100,384                 | \$13,050       | \$113,434 | 10.80 |
| Conversion from CFC-11 to HCFC-141b technology and from CFC-12 to HFC-134a technology in the manufacture of commercial refrigeration equipment at Sanaye Boroudati Maleki                    | UNDP   | 17.9            | \$215,052                 | \$27,957       | \$243,009 | 12.03 |
| Conversion from CFC-11 to HCFC-141b technology and from CFC-12 to HFC-134a technology in the manufacture of commercial refrigeration equipment at Sarma Fan, Co.                             | UNDP   | 20.8            | \$267,075                 | \$34,720       | \$301,795 | 12.82 |
| Conversion from CFC-11 to HCFC-141b and CFC-12 to HFC-134a technology in the manufacture of commercial refrigeration equipment at Sardintous Co.                                             | UNIDO  | 10.3            | \$145,879                 | \$18,964       | \$164,843 | 14.19 |
| Conversion from CFC-11 to HCFC-141b and CFC-12 to HFC-134a technology in the manufacture of commercial refrigeration equipment at Abbaspour Company                                          | UNIDO  | 9.7             | \$144,206                 | \$18,747       | \$162,953 | 14.83 |
| Conversion from CFC-11 to HCFC-141b and CFC-12 to HFC-134a technology in the manufacture of commercial refrigeration equipment at Sard Va Garm                                               | UNIDO  | 8.4             | \$125,350                 | \$16,296       | \$141,646 | 14.95 |
| Conversion from CFC-11 to HCFC-141b and CFC-12 to HFC-134a technology in the manufacture of commercial refrigeration equipment at Darvish Mohamad Nazari company (Jahan Nama)                | UNIDO  | 9.3             | \$139,970                 | \$18,196       | \$158,166 | 15.08 |
| Conversion from CFC-11 to HCFC-141b and CFC-12 to HFC-134a technology in the manufacture of commercial refrigeration equipment at the Sherkate Taavoni 435 (Khorsandi Co.)                   | UNIDO  | 5.4             | \$82,107                  | \$10,674       | \$92,781  | 15.18 |
| Conversion from CFC-11 to HCFC-141b technology and from CFC-12 to HFC-134a technology in the manufacture of commercial refrigeration equipment at Alireza Abdolrezazadeh Co.                 | UNDP   | 7.7             | \$116,646                 | \$15,164       | \$131,810 | 15.21 |
| <b>Domestic/commercial</b>                                                                                                                                                                   |        |                 |                           |                |           |       |
| Conversion from CFC-11 to HCFC-141b technology and from CFC-12 to HFC-134a technology in the manufacture of domestic and commercial refrigeration equipment at Ghotb Jonoub Industrial Group | UNDP   | 14.6            | \$170,125                 | \$22,116       | \$192,241 | 11.68 |
| Conversion from CFC-11 to HCFC-141b and CFC-12 to HFC-134a technology in the manufacture of domestic and commercial refrigeration equipment at Alborz Neishabour                             | UNIDO  | 16.0            | \$189,669                 | \$24,657       | \$214,326 | 11.88 |
| Conversion from CFC-11 to HCF-141b and CFC-12 to HFC-134a technology in the manufacture of domestic and commercial refrigeration equipment at Bouran Saz Karaj (Kohsar Co.)                  | UNIDO  | 9.6             | \$120,526                 | \$15,668       | \$136,194 | 12.52 |
| Conversion from CFC-11 to HCFC-141b and CFC-12 to HFC-134a technology in the manufacture of domestic and                                                                                     | UNIDO  | 6.4             | \$82,400                  | \$10,712       | \$93,112  | 12.91 |

# List of projects and activities approved for funding

UNEP/OzL.Pro/ExCom/35/67

Annex IV

| Project Title<br>(US\$/kg)                                                                                                                                                                                                | Agency     | ODP<br>(tonnes) | Funds Approved (US\$)<br>Project | Approved (US\$)<br>Support | Total       | C.E.  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-----------------|----------------------------------|----------------------------|-------------|-------|
| commercial refrigeration equipment at Moradi company                                                                                                                                                                      |            |                 |                                  |                            |             |       |
| Conversion from CFC-11 to HCFC-141b technology and from CFC-12 to HFC-134a technology in the manufacture of domestic and commercial refrigeration equipment at Sain Electric Co.                                          | UNDP       | 11.2            | \$152,024                        | \$19,763                   | \$171,787   | 13.60 |
| Total for Iran                                                                                                                                                                                                            |            | 477.6           | \$4,601,286                      | \$597,124                  | \$5,198,410 |       |
| JAMAICA                                                                                                                                                                                                                   |            |                 |                                  |                            |             |       |
| SEVERAL                                                                                                                                                                                                                   |            |                 |                                  |                            |             |       |
| Institutional strengthening                                                                                                                                                                                               |            |                 |                                  |                            |             |       |
| Renewal of the institutional strengthening project                                                                                                                                                                        | UNEP       |                 | \$44,000                         | \$5,720                    | \$49,720    |       |
| Total for Jamaica                                                                                                                                                                                                         |            |                 | \$44,000                         | \$5,720                    | \$49,720    |       |
| KENYA                                                                                                                                                                                                                     |            |                 |                                  |                            |             |       |
| SOLVENT                                                                                                                                                                                                                   |            |                 |                                  |                            |             |       |
| Preparation of project proposal                                                                                                                                                                                           |            |                 |                                  |                            |             |       |
| Project preparation for the solvent sector                                                                                                                                                                                | Germany    |                 | \$15,000                         | \$1,950                    | \$16,950    |       |
| Total for Kenya                                                                                                                                                                                                           |            |                 | \$15,000                         | \$1,950                    | \$16,950    |       |
| KOREA, DPR                                                                                                                                                                                                                |            |                 |                                  |                            |             |       |
| REFRIGERATION                                                                                                                                                                                                             |            |                 |                                  |                            |             |       |
| Preparation of project proposal                                                                                                                                                                                           |            |                 |                                  |                            |             |       |
| Development of a refrigerant management plan                                                                                                                                                                              | UNEP       |                 | \$60,000                         | \$7,800                    | \$67,800    |       |
| Total for Korea, DPR                                                                                                                                                                                                      |            |                 | \$60,000                         | \$7,800                    | \$67,800    |       |
| LIBYA                                                                                                                                                                                                                     |            |                 |                                  |                            |             |       |
| FOAM                                                                                                                                                                                                                      |            |                 |                                  |                            |             |       |
| Flexible slabstock                                                                                                                                                                                                        |            |                 |                                  |                            |             |       |
| Phase-out of CFC-11 by conversion to methylene chloride in the manufacture of flexible polyurethane foam at Tasharoukiate El Hani                                                                                         | UNDP       | 28.0            | \$112,440                        | \$14,617                   | \$127,057   | 4.02  |
| Phase-out of CFC-11 by conversion to liquid carbon dioxide (LCD) in the manufacture of flexible polyurethane foam at El Houria Unit Plant                                                                                 | UNDP       | 96.0            | \$520,405                        | \$67,245                   | \$587,650   | 5.42  |
| Approved on the understanding that the US \$50,000 licencing fee for the LCD technology will not be committed for expenditure until the Executive Committee has considered a report on revision of the guidelines for LCD |            |                 |                                  |                            |             |       |
| Phase-out of CFC-11 by conversion to methylene chloride in the manufacture of flexible polyurethane foam at Tasharoukiate Ali Sannoga                                                                                     | UNDP       | 23.0            | \$125,640                        | \$16,333                   | \$141,973   | 5.46  |
| Total for Libya                                                                                                                                                                                                           |            | 147.0           | \$758,485                        | \$98,195                   | \$856,680   |       |
| MACEDONIA                                                                                                                                                                                                                 |            |                 |                                  |                            |             |       |
| SEVERAL                                                                                                                                                                                                                   |            |                 |                                  |                            |             |       |
| Institutional strengthening                                                                                                                                                                                               |            |                 |                                  |                            |             |       |
| Renewal of the institutional strengthening project (phase III)                                                                                                                                                            | UNIDO      |                 | \$101,950                        | \$13,254                   | \$115,204   |       |
| Total for Macedonia                                                                                                                                                                                                       |            |                 | \$101,950                        | \$13,254                   | \$115,204   |       |
| MALAYSIA                                                                                                                                                                                                                  |            |                 |                                  |                            |             |       |
| PHASEOUT PLAN                                                                                                                                                                                                             |            |                 |                                  |                            |             |       |
| CFC phase-out plan                                                                                                                                                                                                        |            |                 |                                  |                            |             |       |
| National CFC phase-out plan                                                                                                                                                                                               | World Bank |                 | \$1,799,940                      | \$140,395                  | \$1,940,335 |       |
| Approved in accordance with the agreement between the Government of Malaysia and the Executive Committee.                                                                                                                 |            |                 |                                  |                            |             |       |

# List of projects and activities approved for funding

UNEP/OzL.Pro/ExCom/35/67

Annex IV

| Project Title<br>(US\$/kg)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Agency | ODP<br>(tonnes) | Funds Approved (US\$)<br>Project | Support          | Total              | C.E. |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-----------------|----------------------------------|------------------|--------------------|------|
| <b>Total for Malaysia</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |        |                 | <b>\$1,799,940</b>               | <b>\$140,395</b> | <b>\$1,940,335</b> |      |
| <b>MALI</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |        |                 |                                  |                  |                    |      |
| <b>SEVERAL</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |        |                 |                                  |                  |                    |      |
| <b>Institutional strengthening</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |        |                 |                                  |                  |                    |      |
| Renewal of the institutional strengthening project                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | UNEP   |                 | \$46,667                         | \$6,067          | \$52,734           |      |
| <b>Total for Mali</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        |                 | <b>\$46,667</b>                  | <b>\$6,067</b>   | <b>\$52,734</b>    |      |
| <b>MEXICO</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |        |                 |                                  |                  |                    |      |
| <b>FOAM</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |        |                 |                                  |                  |                    |      |
| <b>Multiple-subsectors</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |        |                 |                                  |                  |                    |      |
| Foam sector ODS phase-out plan (first tranche)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | UNDP   | 145.0           | \$833,150                        | \$101,647        | \$934,797          | 5.74 |
| <p><i>The Executive Committee (a) noted that the Government of Mexico had provided a commitment that implementation of its Foam Sector Phase-out Plan would yield a sustained permanent reduction of 543.4 ODP tonnes (subject to confirmation by the audits indicated below) from Mexico's 2000 national aggregate CFC consumption of 3,059.5 ODP tonnes;</i></p> <p><i>(b) approved in principle the Foam Sector Phase-out Plan and allocated the amount of US \$833,150 including US \$100,000 as project management funding on condition that UNDP and the Government of Mexico will: (i) implement within a period of 18 months an initial phase of the plan for enterprises which should be identified through an audit of their baseline conditions with the objective of phasing out 145 ODP tonnes. In implementing this initial phase, while exercising flexibility, UNDP and the Government should take due care to ensure that funding of the enterprises selected is consistent with the policies and guidelines of the Multilateral Fund; (ii) prepare final audit(s) of the remaining enterprises and on the basis of such audit or audits prepare the final phase of the plan, including incremental costs, reflecting fully the amount of US \$833,150 approved at this meeting in the final plan and taking into account the comments provided, for submission to the Executive Committee not later than its 38th Meeting; and request UNDP to communicate to the Secretariat the results of the audits to be conducted and all other relevant information used to determine the eligible costs of the plan; and (iii) ensure that the total national Annex A Group I consumption in Mexico is permanently reduced to a level no higher than the 2000 national aggregate consumption reported to the Ozone Secretariat from which has been taken the consumption to be phased out from approved but not yet implemented projects (306.8 ODP tonnes) and the phase-out resulting from the foam sector plan.</i></p> <p><i>(c) requested UNDP to report on the status of implementation of this initial phase of the plan at its 38th Meeting.</i></p> |        |                 |                                  |                  |                    |      |
| <b>HALON</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |        |                 |                                  |                  |                    |      |
| <b>Banking</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |        |                 |                                  |                  |                    |      |
| National halon management and banking programme                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | UNDP   | 230.0           | \$500,000                        | \$65,000         | \$565,000          |      |
| <p><i>Approved with the understanding that this will be the final halon project for Mexico and that the consumption in Mexico will cease in January 2005.</i></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |        |                 |                                  |                  |                    |      |
| <b>Total for Mexico</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |        | <b>375.0</b>    | <b>\$1,333,150</b>               | <b>\$166,647</b> | <b>\$1,499,797</b> |      |

# List of projects and activities approved for funding

UNEP/OzL.Pro/ExCom/35/67

Annex IV

| Project Title                                                                                                                                                                 | Agency | ODP<br>(tonnes) | Funds Approved (US\$)<br>Project | Support   | Total       | C.E.  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-----------------|----------------------------------|-----------|-------------|-------|
| (US\$/kg)                                                                                                                                                                     |        |                 |                                  |           |             |       |
| MONGOLIA                                                                                                                                                                      |        |                 |                                  |           |             |       |
| REFRIGERATION                                                                                                                                                                 |        |                 |                                  |           |             |       |
| Recovery/recycling                                                                                                                                                            |        |                 |                                  |           |             |       |
| Implementation of the RMP: recovery and recycling of CFC-12 refrigerant                                                                                                       | UNDP   | 5.6             | \$108,600                        | \$14,118  | \$122,718   | 19.36 |
| Total for Mongolia                                                                                                                                                            |        | 5.6             | \$108,600                        | \$14,118  | \$122,718   |       |
| MOROCCO                                                                                                                                                                       |        |                 |                                  |           |             |       |
| REFRIGERATION                                                                                                                                                                 |        |                 |                                  |           |             |       |
| Commercial                                                                                                                                                                    |        |                 |                                  |           |             |       |
| Conversion from CFC-11 to HCFC-141b and CFC-12 to HFC-134a technology in the manufacture of commercial refrigeration equipment at Climatisation et Froid Loudaya (CFL)        | UNIDO  | 15.0            | \$177,312                        | \$23,051  | \$200,363   | 11.80 |
| Conversion from CFC-11 to HCFC-141b and CFC-12 to HFC-134a technology in the manufacture of commercial refrigeration equipment at Etablissement Lahdar                        | UNIDO  | 7.4             | \$101,451                        | \$13,189  | \$114,640   | 13.76 |
| Conversion from CFC-11 to HCFC-141b and CFC-12 to HFC-134a technology in the manufacture of commercial refrigeration equipment at First Clim Co.                              | UNIDO  | 9.0             | \$135,258                        | \$17,584  | \$152,842   | 15.09 |
| Total for Morocco                                                                                                                                                             |        | 31.4            | \$414,021                        | \$53,823  | \$467,844   |       |
| NIGERIA                                                                                                                                                                       |        |                 |                                  |           |             |       |
| FOAM                                                                                                                                                                          |        |                 |                                  |           |             |       |
| Flexible slabstock                                                                                                                                                            |        |                 |                                  |           |             |       |
| Phasing out of CFC-11 in the manufacture of flexible slabstock foam by conversion to methylene chloride at Bamako Industrial, Ltd.                                            | UNDP   | 24.0            | \$114,510                        | \$14,886  | \$129,396   | 4.77  |
| Conversion from CFC-11 to methylene chloride (MC) technology in the manufacture of flexible polyurethane at ten box-foam enterprises in Lagos area                            | UNDP   | 199.2           | \$1,062,808                      | \$126,909 | \$1,189,717 | 5.33  |
| Rigid                                                                                                                                                                         |        |                 |                                  |           |             |       |
| Phasing out of CFC-11 in the manufacture of rigid polyurethane foam by conversion to a combination of water+HCFC-141b based systems at Agric Services (Nig.), Ltd.            | UNDP   | 43.7            | \$239,160                        | \$31,091  | \$270,251   | 5.47  |
| REFRIGERATION                                                                                                                                                                 |        |                 |                                  |           |             |       |
| Domestic/commercial                                                                                                                                                           |        |                 |                                  |           |             |       |
| Replacement of refrigerant CFC-12 with HFC-134a and foam blowing agent CFC-11 with HCFC-141b in the manufacture of commercial refrigeration equipment at Polade               | UNIDO  | 8.3             | \$70,382                         | \$9,150   | \$79,532    | 8.51  |
| Replacement of refrigerant CFC-12 with HFC-134a and foam blowing agent CFC-11 with HCFC-141b in the manufacture of domestic and commercial refrigeration equipment at Ristian | UNIDO  | 11.0            | \$143,729                        | \$18,685  | \$162,414   | 13.10 |
| Total for Nigeria                                                                                                                                                             |        | 286.1           | \$1,630,589                      | \$200,720 | \$1,831,309 |       |

# List of projects and activities approved for funding

UNEP/OzL.Pro/ExCom/35/67

Annex IV

| Project Title<br>(US\$/kg)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Agency     | ODP<br>(tonnes) | Funds Approved (US\$)<br>Project | Support   | Total     | C.E.  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-----------------|----------------------------------|-----------|-----------|-------|
| PAKISTAN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |            |                 |                                  |           |           |       |
| PROCESS AGENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |            |                 |                                  |           |           |       |
| Process conversion                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |            |                 |                                  |           |           |       |
| Conversion of carbon tetrachloride as process solvent to 1,2-dichloroethane at Himont Chemicals Ltd.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | UNIDO      | 80.0            | \$485,701                        | \$63,141  | \$548,842 | 6.07  |
| In approving the project, the Executive Committee decided to take note of the need for full data to be provided on the relevant sub-sector, including the remaining consumption to be phased out in the sub-sector, with a view to considering the scope for industrial consolidation.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |            |                 |                                  |           |           |       |
| REFRIGERATION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |            |                 |                                  |           |           |       |
| Domestic                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |            |                 |                                  |           |           |       |
| Replacement of refrigerant CFC-12 with HFC-134a and foam blowing agent CFC-11 with HCFC-141b in the production of domestic refrigerators at Ideal Appliances, Ltd.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | UNIDO      | 12.9            | \$173,101                        | \$22,503  | \$195,604 | 13.73 |
| SEVERAL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |            |                 |                                  |           |           |       |
| Institutional strengthening                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |            |                 |                                  |           |           |       |
| Renewal of the institutional strengthening project (phase II)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | UNDP       |                 | \$172,666                        | \$22,447  | \$195,113 |       |
| Total for Pakistan                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |            | 92.9            | \$831,468                        | \$108,091 | \$939,559 |       |
| PERU                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |            |                 |                                  |           |           |       |
| FOAM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |            |                 |                                  |           |           |       |
| Multiple-subsectors                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |            |                 |                                  |           |           |       |
| Foam sector ODS phase-out plan                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | UNDP       | 33.8            | \$325,277                        | \$42,286  | \$367,563 | 8.37  |
| Approved on the understanding that the Government will not submit any further requests for assistance in the foam sector and that the Government will have the flexibility in disbursing the approved funds provided that all the project objectives are met.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |            |                 |                                  |           |           |       |
| Total for Peru                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |            | 33.8            | \$325,277                        | \$42,286  | \$367,563 |       |
| PHILIPPINES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |            |                 |                                  |           |           |       |
| MULTI-SECTOR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |            |                 |                                  |           |           |       |
| Preparation of project proposal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |            |                 |                                  |           |           |       |
| Preparation of a national CFC phase-out plan                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | World Bank |                 | \$70,000                         | \$9,100   | \$79,100  |       |
| Approved on the understanding that: (i) the World Bank will co-ordinate closely with the Government of Sweden and UNEP to ensure that no overlapping will occur between the phase-out plan, the bilateral project in the refrigeration servicing sector and the customs training programme; (ii) no additional funding will be made available to Philippines for project preparation and/or country programme update; and (iii) if the World Bank, in developing the national phase-out plan, determined, however, that the level of funding initially approved would be inadequate to complete the implementation of the project, and could provide appropriate justification for the need for further funding, the Executive Committee would be willing to give due consideration to such a request for additional funding. |            |                 |                                  |           |           |       |
| REFRIGERATION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |            |                 |                                  |           |           |       |
| Training programme/workshop                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |            |                 |                                  |           |           |       |
| Training programme for customs officials and other key stakeholders                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | UNEP       |                 | \$170,250                        | \$22,133  | \$192,383 |       |
| Approved on the understanding that no additional funding will be requested for customs training in the Philippines.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |            |                 |                                  |           |           |       |

# List of projects and activities approved for funding

UNEP/OzL.Pro/ExCom/35/67

Annex IV

| Project Title<br>(US\$/kg)                                                                                                                                                                                                                                                         | Agency     | ODP<br>(tonnes) | Funds Approved (US\$)<br>Project | Support         | Total            | C.E. |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-----------------|----------------------------------|-----------------|------------------|------|
| <b>Total for Philippines</b>                                                                                                                                                                                                                                                       |            |                 | <b>\$240,250</b>                 | <b>\$31,233</b> | <b>\$271,483</b> |      |
| <b>RWANDA</b>                                                                                                                                                                                                                                                                      |            |                 |                                  |                 |                  |      |
| <b>SEVERAL</b>                                                                                                                                                                                                                                                                     |            |                 |                                  |                 |                  |      |
| <b>Technical assistance/support</b>                                                                                                                                                                                                                                                |            |                 |                                  |                 |                  |      |
| Formulation of national phase-out strategy<br><i>Approved on an exceptional basis only because of the special situation of Rwanda as a new Party, and to avoid delay in the provision of Fund assistance to help the country meet its obligations under the Montreal Protocol.</i> | UNEP       |                 | \$50,000                         | \$6,500         | \$56,500         |      |
| <b>Total for Rwanda</b>                                                                                                                                                                                                                                                            |            |                 | <b>\$50,000</b>                  | <b>\$6,500</b>  | <b>\$56,500</b>  |      |
| <b>SAINT LUCIA</b>                                                                                                                                                                                                                                                                 |            |                 |                                  |                 |                  |      |
| <b>REFRIGERATION</b>                                                                                                                                                                                                                                                               |            |                 |                                  |                 |                  |      |
| <b>Preparation of project proposal</b>                                                                                                                                                                                                                                             |            |                 |                                  |                 |                  |      |
| Preparation of update of refrigerant management plan                                                                                                                                                                                                                               | Canada     |                 | \$7,500                          | \$975           | \$8,475          |      |
| <b>Total for Saint Lucia</b>                                                                                                                                                                                                                                                       |            |                 | <b>\$7,500</b>                   | <b>\$975</b>    | <b>\$8,475</b>   |      |
| <b>SIERRA LEONE</b>                                                                                                                                                                                                                                                                |            |                 |                                  |                 |                  |      |
| <b>SEVERAL</b>                                                                                                                                                                                                                                                                     |            |                 |                                  |                 |                  |      |
| <b>Technical assistance/support</b>                                                                                                                                                                                                                                                |            |                 |                                  |                 |                  |      |
| Formulation of national phase-out strategy                                                                                                                                                                                                                                         | UNEP       |                 | \$40,000                         | \$5,200         | \$45,200         |      |
| <b>Total for Sierra Leone</b>                                                                                                                                                                                                                                                      |            |                 | <b>\$40,000</b>                  | <b>\$5,200</b>  | <b>\$45,200</b>  |      |
| <b>SOMALIA</b>                                                                                                                                                                                                                                                                     |            |                 |                                  |                 |                  |      |
| <b>SEVERAL</b>                                                                                                                                                                                                                                                                     |            |                 |                                  |                 |                  |      |
| <b>Technical assistance/support</b>                                                                                                                                                                                                                                                |            |                 |                                  |                 |                  |      |
| Formulation of national phase-out strategy                                                                                                                                                                                                                                         | UNEP       |                 | \$60,000                         | \$7,800         | \$67,800         |      |
| <b>Total for Somalia</b>                                                                                                                                                                                                                                                           |            |                 | <b>\$60,000</b>                  | <b>\$7,800</b>  | <b>\$67,800</b>  |      |
| <b>SYRIA</b>                                                                                                                                                                                                                                                                       |            |                 |                                  |                 |                  |      |
| <b>REFRIGERATION</b>                                                                                                                                                                                                                                                               |            |                 |                                  |                 |                  |      |
| <b>Commercial</b>                                                                                                                                                                                                                                                                  |            |                 |                                  |                 |                  |      |
| Conversion from CFC-11 to HCFC-141b and from CFC-12 to HFC-134a technology in the manufacture of commercial refrigeration equipment at Al-Saad Refrigeration                                                                                                                       | UNDP       | 20.1            | \$166,323                        | \$21,622        | \$187,945        | 8.28 |
| <b>Total for Syria</b>                                                                                                                                                                                                                                                             |            |                 | <b>\$166,323</b>                 | <b>\$21,622</b> | <b>\$187,945</b> |      |
| <b>THAILAND</b>                                                                                                                                                                                                                                                                    |            |                 |                                  |                 |                  |      |
| <b>PHASEOUT PLAN</b>                                                                                                                                                                                                                                                               |            |                 |                                  |                 |                  |      |
| <b>CFC phase-out plan</b>                                                                                                                                                                                                                                                          |            |                 |                                  |                 |                  |      |
| National CFC phase-out plan<br><i>Approved in accordance with the agreement between the Government of Thailand and the Executive Committee.</i>                                                                                                                                    | World Bank |                 | \$540,000                        | \$27,000        | \$567,000        |      |
| <b>Total for Thailand</b>                                                                                                                                                                                                                                                          |            |                 | <b>\$540,000</b>                 | <b>\$27,000</b> | <b>\$567,000</b> |      |
| <b>TOGO</b>                                                                                                                                                                                                                                                                        |            |                 |                                  |                 |                  |      |
| <b>REFRIGERATION</b>                                                                                                                                                                                                                                                               |            |                 |                                  |                 |                  |      |
| <b>Preparation of project proposal</b>                                                                                                                                                                                                                                             |            |                 |                                  |                 |                  |      |
| Development of a refrigerant management plan                                                                                                                                                                                                                                       | UNEP       |                 | \$60,000                         | \$7,800         | \$67,800         |      |
| <b>Total for Togo</b>                                                                                                                                                                                                                                                              |            |                 | <b>\$60,000</b>                  | <b>\$7,800</b>  | <b>\$67,800</b>  |      |

# List of projects and activities approved for funding

UNEP/OzL.Pro/ExCom/35/67

Annex IV

| Project Title<br>(US\$/kg)                                                                                                                                                                                                                                                                                                                                                                                     | Agency     | ODP<br>(tonnes) | Funds Approved (US\$) |                  | C.E.               |       |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-----------------|-----------------------|------------------|--------------------|-------|
|                                                                                                                                                                                                                                                                                                                                                                                                                |            |                 | Project               | Support          | Total              |       |
| <b>TURKEY</b>                                                                                                                                                                                                                                                                                                                                                                                                  |            |                 |                       |                  |                    |       |
| <b>FUMIGANT</b>                                                                                                                                                                                                                                                                                                                                                                                                |            |                 |                       |                  |                    |       |
| <b>Methyl bromide</b>                                                                                                                                                                                                                                                                                                                                                                                          |            |                 |                       |                  |                    |       |
| Phase-out of methyl bromide in protected tomato, cucumber and carnation crops (first tranche)                                                                                                                                                                                                                                                                                                                  | UNIDO      | 29.2            | \$1,000,000           | \$120,000        | \$1,120,000        | 34.24 |
| <i>The Executive Committee approved in principle US \$3,408,844 as the total funds that will be available to Turkey to achieve the complete phase-out of MB used in protected tomato, cucumber, and carnation crops (for a total phase-out of 292.2 ODP tonnes with a cost effectiveness of US \$11.67/kg), subject to the conditions agreed between the Government of Turkey and the Executive Committee.</i> |            |                 |                       |                  |                    |       |
| <b>SOLVENT</b>                                                                                                                                                                                                                                                                                                                                                                                                 |            |                 |                       |                  |                    |       |
| <b>Multiple solvents</b>                                                                                                                                                                                                                                                                                                                                                                                       |            |                 |                       |                  |                    |       |
| Umbrella project for the phase-out of MCF used as solvent by water cleaning at 21 enterprises                                                                                                                                                                                                                                                                                                                  | World Bank | 15.4            | \$518,693             | \$67,056         | \$585,749          | 33.75 |
| <b>PHASEOUT PLAN</b>                                                                                                                                                                                                                                                                                                                                                                                           |            |                 |                       |                  |                    |       |
| <b>CFC phase-out plan</b>                                                                                                                                                                                                                                                                                                                                                                                      |            |                 |                       |                  |                    |       |
| Total phase-out of CFCs plan: implementation of the 2001 and 2002 plan                                                                                                                                                                                                                                                                                                                                         | World Bank | 97.0            | \$3,500,000           | \$295,000        | \$3,795,000        | 36.00 |
| <i>Approved in accordance with the agreement between the Government of Turkey and the Executive Committee.</i>                                                                                                                                                                                                                                                                                                 |            |                 |                       |                  |                    |       |
| <b>Total for Turkey</b>                                                                                                                                                                                                                                                                                                                                                                                        |            | <b>141.6</b>    | <b>\$5,018,693</b>    | <b>\$482,056</b> | <b>\$5,500,749</b> |       |
| <b>YEMEN</b>                                                                                                                                                                                                                                                                                                                                                                                                   |            |                 |                       |                  |                    |       |
| <b>REFRIGERATION</b>                                                                                                                                                                                                                                                                                                                                                                                           |            |                 |                       |                  |                    |       |
| <b>Commercial</b>                                                                                                                                                                                                                                                                                                                                                                                              |            |                 |                       |                  |                    |       |
| Conversion from CFC-11 to HCFC-141b and CFC-12 to HFC-134a technology in the manufacture of commercial refrigeration equipment at Nagman Co.                                                                                                                                                                                                                                                                   | UNIDO      | 7.3             | \$105,641             | \$13,733         | \$119,374          | 14.58 |
| Conversion from CFC-11 to HCFC-141b and CFC-12 to HFC-134a technology in the manufacture of commercial refrigeration equipment at Styreo                                                                                                                                                                                                                                                                       | UNIDO      | 6.1             | \$90,231              | \$11,730         | \$101,961          | 14.85 |
| <b>SEVERAL</b>                                                                                                                                                                                                                                                                                                                                                                                                 |            |                 |                       |                  |                    |       |
| <b>Institutional strengthening</b>                                                                                                                                                                                                                                                                                                                                                                             |            |                 |                       |                  |                    |       |
| Renewal of the institutional strengthening project                                                                                                                                                                                                                                                                                                                                                             | UNEP       |                 | \$118,000             | \$15,340         | \$133,340          |       |
| <b>Total for Yemen</b>                                                                                                                                                                                                                                                                                                                                                                                         |            | <b>13.3</b>     | <b>\$313,872</b>      | <b>\$40,803</b>  | <b>\$354,675</b>   |       |
| <b>YUGOSLAVIA</b>                                                                                                                                                                                                                                                                                                                                                                                              |            |                 |                       |                  |                    |       |
| <b>FOAM</b>                                                                                                                                                                                                                                                                                                                                                                                                    |            |                 |                       |                  |                    |       |
| <b>Flexible slabstock</b>                                                                                                                                                                                                                                                                                                                                                                                      |            |                 |                       |                  |                    |       |
| Conversion from CFC-11 to methylene chloride in the production of flexible slabstock foam at Prva Iskra-Poliuretani                                                                                                                                                                                                                                                                                            | UNIDO      | 34.4            | \$100,240             | \$13,031         | \$113,271          | 3.30  |
| <b>Rigid</b>                                                                                                                                                                                                                                                                                                                                                                                                   |            |                 |                       |                  |                    |       |
| Phase-out of CFC-11 by conversion to n-pentane technology in the production of continuous rigid polyurethane foam insulating panels at Prva Iskra-Fim, Co.                                                                                                                                                                                                                                                     | UNIDO      | 75.0            | \$475,728             | \$61,845         | \$537,573          | 6.34  |
| <b>HALON</b>                                                                                                                                                                                                                                                                                                                                                                                                   |            |                 |                       |                  |                    |       |
| <b>Banking</b>                                                                                                                                                                                                                                                                                                                                                                                                 |            |                 |                       |                  |                    |       |
| Halon bank management programme                                                                                                                                                                                                                                                                                                                                                                                | UNIDO      | 370.0           | \$249,700             | \$32,461         | \$282,161          | 0.67  |
| <b>Total for Yugoslavia</b>                                                                                                                                                                                                                                                                                                                                                                                    |            | <b>479.4</b>    | <b>\$825,668</b>      | <b>\$107,337</b> | <b>\$933,005</b>   |       |

# List of projects and activities approved for funding

UNEP/OzL.Pro/ExCom/35/67

Annex IV

| Project Title<br>(US\$/kg)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Agency     | ODP<br>(tonnes) | Funds Approved (US\$) |                    | C.E.               |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-----------------|-----------------------|--------------------|--------------------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |            |                 | Project               | Support            | Total              |
| <b>REGION: AFR</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |            |                 |                       |                    |                    |
| <b>HALON</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |            |                 |                       |                    |                    |
| <b>Banking</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |            |                 |                       |                    |                    |
| Establishment of a regional halon bank for Eastern and Southern African countries (Botswana, Ethiopia, Kenya, Lesotho, Namibia, Tanzania and Zimbabwe)<br><i>Approved on the condition that this will be the final project in the halon sector for the participating countries.</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Germany    | 27.0            | \$350,000             | \$45,500           | \$395,500 1.30     |
| <b>Total for Region: AFR</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |            | <b>27.0</b>     | <b>\$350,000</b>      | <b>\$45,500</b>    | <b>\$395,500</b>   |
| <b>GLOBAL</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |            |                 |                       |                    |                    |
| <b>MULTI-SECTOR</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |            |                 |                       |                    |                    |
| <b>Technical assistance/support</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |            |                 |                       |                    |                    |
| 2002 work programme: compliance assistance programme<br><i>Approved with the following conditions: (a) The use of this budget and related CAP employees shall not be used for implementation of projects approved before 2002; (b) UNEP will submit a preliminary report to the 38th Meeting of the Executive Committee on the use of the Programme Support Cost, with a detailed report to be submitted at the 40th Meeting in 2003; (c) UNEP should also report during 2002 on the progress made in the implementation of the CAP programme to the Executive Committee, specifically on the lessons learned during the first steps of CAP implementation; (d) Funds approved annually for the CAP but not spent be returned to the Multilateral Fund for re-programming at the second meeting of the Executive Committee in the year following that for which they had been approved; (e) Consideration by the Executive Committee should be given to benefit of developing a unified budget in future years, and request UNEP to provide a proposal for such a budget at the 38th Meeting of the Executive Committee.</i> | UNEP       |                 | \$5,351,450           | \$428,116          | \$5,779,566        |
| <b>SEVERAL</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |            |                 |                       |                    |                    |
| <b>Preparation of project proposal</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |            |                 |                       |                    |                    |
| Project preparation advance (2002)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | UNIDO      |                 | \$176,250             | \$22,913           | \$199,163          |
| Project preparation advance (2002)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | UNDP       |                 | \$200,000             | \$26,000           | \$226,000          |
| Project preparation advance (2002)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | World Bank |                 | \$180,000             | \$23,400           | \$203,400          |
| <b>Total for Global</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |            |                 | <b>\$5,907,700</b>    | <b>\$500,429</b>   | <b>\$6,408,129</b> |
| <b>GRAND TOTAL</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |            | <b>8,309.0</b>  | <b>\$52,981,56</b>    | <b>\$5,693,242</b> | <b>\$58,674,81</b> |

## Summary

| Sector                   | Tonnes<br>ODP | Funds Approved (US\$) |             |              |
|--------------------------|---------------|-----------------------|-------------|--------------|
|                          |               | Project               | Support     | Total        |
| BILATERAL COOPERATION    |               |                       |             |              |
| Foam                     | 89.0          | \$523,049             | \$67,997    | \$591,046    |
| Halon                    | 222.0         | \$609,500             | \$79,235    | \$688,735    |
| Refrigeration            | 51.5          | \$1,118,541           | \$129,461   | \$1,248,002  |
| Solvent                  |               | \$15,000              | \$1,950     | \$16,950     |
| TOTAL:                   | 362.5         | \$2,266,090           | \$278,643   | \$2,544,733  |
| INVESTMENT PROJECT       |               |                       |             |              |
| Aerosol                  | 8.8           | \$128,900             | \$16,757    | \$145,657    |
| Foam                     | 3,371.8       | \$18,275,169          | \$1,911,799 | \$20,186,968 |
| Fumigant                 | 131.3         | \$2,909,186           | \$353,968   | \$3,263,154  |
| Halon                    | 3,489.0       | \$4,449,700           | \$467,461   | \$4,917,161  |
| Process agent            | 118.5         | \$871,068             | \$113,239   | \$984,307    |
| Refrigeration            | 677.0         | \$8,939,262           | \$1,147,634 | \$10,086,896 |
| Solvent                  | 15.4          | \$518,693             | \$67,056    | \$585,749    |
| Sterilants               | 19.8          | \$412,741             | \$53,656    | \$466,397    |
| Phase-out plan           | 115.0         | \$6,079,940           | \$493,595   | \$6,573,535  |
| TOTAL:                   | 7,946.5       | \$42,584,659          | \$4,625,165 | \$47,209,824 |
| WORK PROGRAMME AMENDMENT |               |                       |             |              |
| Fumigant                 |               | \$180,000             | \$23,400    | \$203,400    |
| Multi-sector             |               | \$5,421,450           | \$437,216   | \$5,858,666  |
| Refrigeration            |               | \$724,750             | \$94,218    | \$818,968    |
| Solvent                  |               | \$169,000             | \$21,970    | \$190,970    |
| Several                  |               | \$1,635,620           | \$212,631   | \$1,848,251  |
| TOTAL:                   |               | \$8,130,820           | \$789,434   | \$8,920,254  |

### Summary by Parties and Implementing Agencies

|                    |                |                     |                    |                     |
|--------------------|----------------|---------------------|--------------------|---------------------|
| Canada             | 40.0           | \$905,270           | \$101,736          | \$1,007,006         |
| Germany            | 322.5          | \$1,360,820         | \$176,907          | \$1,537,727         |
| UNDP               | 1,500.0        | \$12,587,212        | \$1,590,053        | \$14,177,265        |
| UNEP               |                | \$7,377,267         | \$691,472          | \$8,068,739         |
| UNIDO              | 1,358.4        | \$9,814,507         | \$1,225,101        | \$11,039,608        |
| World Bank         | 5,088.0        | \$20,936,493        | \$1,907,973        | \$22,844,466        |
| <b>GRAND TOTAL</b> | <b>8,309.0</b> | <b>\$52,981,569</b> | <b>\$5,693,242</b> | <b>\$58,674,811</b> |