

LIST OF PROJECTS AND ACTIVITIES APPROVED FOR FUNDING

UNEP/OzL.Pro/ExCom/23/68
Annex VI
Page 1

Project Title	Agency	ODP Tonnes	Funds Recommended Project	Recommended (US\$) Support	(US\$) Total	C.E. (US\$/kg)
ALGERIA						
FOAM						
Flexible						
Phasing out CFC-11 at La Mousse du Sud flexible polyurethane foam plant	UNIDO	95.0	\$553,480	\$71,952	\$625,432	5.82
Total for Algeria		95.0	\$553,480	\$71,952	\$625,432	
ARGENTINA						
FOAM						
Rigid						
Elimination of the use of CFCs in the manufacture of sandwich polyurethane panels and spray foams at Bonano	UNDP	72.0	\$456,500	\$59,345	\$515,845	6.34
Elimination of the use of CFC in the manufacture of rigid foam blocks for insulated trailers at Fruehauf	UNDP	27.0	\$175,000	\$22,750	\$197,750	6.48
Integral skin						
Conversion to non CFC technology in the manufacture of integral skin and flexible moulded foam at Strapur	UNDP	15.0	\$212,500	\$27,625	\$240,125	14.17
Conversion to non CFC technology in the manufacture of moulded foam at Cifor S.A.	UNDP	8.2	\$132,000	\$17,160	\$149,160	16.10
FUMIGANT						
Methyl bromide						
Demonstration Project - Open and closed circuit non-soil cultivation as main alternatives to the use of methyl bromide in tomato, cut flowers and strawberry production	UNIDO		\$481,800	\$62,634	\$544,434	
REFRIGERATION						
Domestic						
Elimin. of CFCs in 1 manufacturing plant of domestic refrigerators of enterprise Whirlpool Argentina S.A.	IBRD	90.6	\$863,879	\$112,304	\$976,183	9.53
Elimin. of CFCs in the manufacturing plant of domestic refrigerators of Frare S.A., Buenos Aires	UNIDO	32.0	\$514,384	\$66,870	\$581,254	10.45
Elimin. of CFCs in the manufacturing plant of domestic refrigerators of Bambi S.A., Santa Fe	UNIDO	30.6	\$515,258	\$66,984	\$582,242	10.94
Elimination of CFCs in the manufacturing plants of domestic refrigerators at Gepasa S.A. and Gesal S.R.L.	IBRD	26.0	\$550,400	\$71,552	\$621,952	13.76

LIST OF PROJECTS AND ACTIVITIES APPROVED FOR FUNDING

 UNEP/OzL.Pro/ExCom/23/68
 Annex VI
 Page 2

Project Title	Agency	ODP Tonnes	Funds Recommended Project	Recommended Support	(US\$) Total	C.E. (US\$/kg)
Elimin. of CFCs in the manufacturing plant of domestic refrigerators at Lobato San Luis S.A.	IBRD	19.4	\$410,683	\$53,389	\$464,072	13.76
Commercial						
Elimination of the use of CFCs in the manufacture of display cabinets and polyurethane panels for cold stores and walk-in coolers at Eurofrio	UNDP	26.0	\$377,350	\$49,056	\$426,406	14.51
Elimination of the use of CFCs in the manufacture of commercial refrigerators and display cabinets at Trevi	UNDP	3.5	\$53,850	\$7,001	\$60,851	15.21
Total for Argentina		350.4	\$4,743,604	\$616,669	\$5,360,273	
BAHAMAS						
REFRIGERATION						
Recovery/recycling						
Implementation of the refrigerant management plan: Implementation of a national programme for recovery and recycling of refrigerant <i>Project was approved taking into account that the accompanying measures necessary for successful implementation were already or would be in place before implementation began and that the project had been prepared on the basis of in-depth discussions with the national authorities and trade associations.</i>	UNDP	12.6	\$151,400	\$19,682	\$171,082	
Implementation of the refrigerant management plan: Training in monitoring and controlling of ODSs	UNEP		\$26,500	\$3,445	\$29,945	
Implementation of the refrigerant management plan: Training the trainers of technicians in the refrigeration sector	UNEP		\$50,000	\$6,500	\$56,500	
Total for Bahamas		12.6	\$227,900	\$29,627	\$257,527	
BRAZIL						
FOAM						
Rigid						
Conversion to CFC-free technology in manufacture of polyurethane foam at Fast Frio	UNDP	14.5	\$72,000	\$9,360	\$81,360	4.96
Conversion to CFC-free technology in manufacture of polyurethane foam at Bernini	UNDP	22.9	\$135,150	\$17,570	\$152,720	5.90
Conversion to CFC-free technology in manufacture of polyurethane foam at Polistecom	UNDP	42.6	\$303,000	\$39,390	\$342,390	7.11
Conversion to CFC-free technology in manufacture of polurethane foam at Bulltrade	UNDP	30.8	\$223,000	\$28,990	\$251,990	7.24
Conversion to CFC-free technology in manufacture of polyurethane foam at Zenimont	UNDP	38.1	\$298,300	\$38,779	\$337,079	7.83

LIST OF PROJECTS AND ACTIVITIES APPROVED FOR FUNDING

 UNEP/OzL.Pro/ExCom/23/68
 Annex VI
 Page 3

Project Title	Agency	ODP Tonnes	Funds Recommended Project	(US\$) Support	Total	C.E. (US\$/kg)
Integral skin						
Conversion to CFC-free technology in manufacture of polyurethane foam at Espumatec	UNDP	64.6	\$372,000	\$48,360	\$420,360	5.76
Conversion to CFC-free technology in manufacture of polyurethane foam at Kalf Calcados	UNDP	15.0	\$101,100	\$13,143	\$114,243	6.74
Conversion to CFC-free technology in manufacture of polyurethane foam at Mikawa & Cia	UNDP	7.5	\$80,600	\$10,478	\$91,078	10.75
Conversion to CFC-free technology in manufacture of polyurethane foam at FJ Polymers	UNDP	8.2	\$89,500	\$11,635	\$101,135	10.91
Conversion to CFC-free technology in manufacture of polyurethane foam at Plasmold	UNDP	11.0	\$161,500	\$20,995	\$182,495	14.68
Conversion to CFC-free technology in manufacture of polurethane foam at Bruzze	UNDP	16.5	\$278,190	\$36,165	\$314,355	16.86
Conversion to CFC-free technology in manufacture of polyurethane foam at CMZ Poliuretanos	UNDP	5.5	\$92,750	\$12,058	\$104,808	16.86
REFRIGERATION						
Commercial						
Conversion to CFC-free technology in manufacture of polyurethane foam at Friar	UNDP	14.9	\$185,726	\$24,144	\$209,870	12.46
Elimination of CFCs in the manufacture of refrigerated trucks and trailers at Increal Ltda	UNDP	33.0	\$418,000	\$54,340	\$472,340	12.66
Elimination of CFCs in the manufacture of refrigerated trucks and trailers at Niju Ind. Com Implem Rodov Ltda.	UNDP	8.4	\$111,600	\$14,508	\$126,108	13.21
Phasing out of CFC-12 by HFC-134a and CFC-11 by cyclopentane in the production of commercial refrigeration equipment at Refrigeracao Rubra	UNIDO	21.8	\$320,540	\$41,670	\$362,210	14.70
Conversion to CFC-free technology in manufacture of polyurethane foam at Mais Frio	UNDP	10.2	\$154,400	\$20,072	\$174,472	15.21
Conversion to CFC-free technology in manufacture of polyurethane foam at Artico	UNDP	14.8	\$225,100	\$29,263	\$254,363	15.21
SEVERAL						
Technical assistance/support						
Survey of ODS use in SMEs and approaches to ODS elimination	UNDP		\$100,000	\$13,000	\$113,000	
Total for Brazil		380.3	\$3,722,456	\$483,919	\$4,206,375	

BURUNDI
SEVERAL
Country programme/country survey

LIST OF PROJECTS AND ACTIVITIES APPROVED FOR FUNDING

UNEP/OzL.Pro/ExCom/23/68
Annex VI
Page 4

Project Title	Agency	ODP Tonnes	Funds Recommended (US\$)		C.E. (US\$/kg)
			Project	Support	
Preparation of country programme	UNEP		\$40,000	\$5,200	\$45,200
Total for Burundi			\$40,000	\$5,200	\$45,200

CAMEROON**FOAM****Flexible**

Phasing out CFC-11 at Sonopol <i>Contingent upon the ability of UNIDO to certify the ODS consumption of the enterprise and that the enterprise converted back to using CFCs before 25 July 1995</i>	UNIDO	130.0	\$506,310	\$65,820	\$572,130	3.89
--	-------	-------	-----------	----------	-----------	------

Phasing out CFC-11 at Scimpos <i>Contingent upon the ability of UNIDO to certify the ODS consumption of the enterprise and that the enterprise converted back to using CFCs before 25 July 1995.</i>	UNIDO	120.0	\$541,350	\$70,376	\$611,726	4.51
---	-------	-------	-----------	----------	-----------	------

Total for Cameroon	250.0	\$1,047,660	\$136,196	\$1,183,856
---------------------------	--------------	--------------------	------------------	--------------------

CHINA**FOAM****Flexible**

Conversion to CFC-free technology in the manufacture of flexible polyurethane foam (slabstock) at Dalian No. 1 <i>Note: Submitted for change in technology with no additional funding</i>	UNDP					
--	------	--	--	--	--	--

Rigid

Conversion of rigid and spray polyurethane foam manufacture from CFC-11 to HCFC-141b foam blowing agent at Yantai Moon Group Co. Ltd.	IBRD	462.6	\$1,132,682	\$147,249	\$1,279,931	2.45
---	------	-------	-------------	-----------	-------------	------

Elimination of CFC-11 in the manufacture of rigid and spray polyurethane foams at Xinjiang Tianye Co. Ltd	UNDP	92.3	\$300,620	\$39,081	\$339,701	3.26
---	------	------	-----------	----------	-----------	------

Conversion of rigid and spray polyurethane foam manufacture from CFC-11 to HCFC-141b foam blowing agent at Shanghai General Machinery Company (SGMC)	IBRD	88.3	\$380,300	\$49,439	\$429,739	4.31
--	------	------	-----------	----------	-----------	------

Elimination of the use of CFCs in the manufacture of sandwich polyurethane panels, pipes and spray foams at Baoding Oil Depot & Storage Engineering Company	UNDP	75.5	\$400,960	\$52,125	\$453,085	5.31
---	------	------	-----------	----------	-----------	------

Elimination of the use of CFCs in the manufacture of sandwich polyurethane panels at Luoyang Refrigeration Machinery Factory	UNDP	117.8	\$698,595	\$90,817	\$789,412	5.93
--	------	-------	-----------	----------	-----------	------

LIST OF PROJECTS AND ACTIVITIES APPROVED FOR FUNDING

UNEP/OzL.Pro/ExCom/23/68
Annex VI
Page 5

Project Title	Agency	ODP Tonnes	Funds Recommended Project	Support	(US\$) Total	C.E. (US\$/kg)
HALON						
General						
Sector Plan for halon phaseout in China, 1998 Annual Programme	IBRD	21,378.0	\$12,400,000	\$1,240,000	\$13,640,000	0.58
<i>NOTE: The indicated total phase out of 21,378 ODP tonnes is comprised of 9,939 ODP tonnes of halon 1211 in the consumption sector and 11,739 ODP tonnes in the production sector</i>						
REFRIGERATION						
Domestic						
Elimination of CFCs 11 and 12 in the manufacture of domestic freezers at DeBao Refrigeration Equipment Co. Ltd.	UNDP	314.7	\$1,208,176	\$157,063	\$1,365,239	2.50
<i>Incremental operating costs for compressors are not included in the calculation of incremental operating costs but may be eligible for submission to a future meeting consistent with Decision 22/26.</i>						
Elimination of CFCs 11 and 12 in the manufacture of domestic freezers at Honxiang Group, Laizhou Freezer Plant	UNDP	301.5	\$1,339,203	\$174,096	\$1,513,299	2.88
<i>Incremental operating costs for compressors are not included in the calculation of incremental operating costs but may be eligible for submission to a future meeting consistent with Decision 22/26.</i>						
Conversion of refrigerator manufacture to HFC-134a refrigerant and cyclopentane foam blowing agent at Henan Xinfei Electric Co. Ltd.	IBRD	375.0	\$1,556,490	\$202,344	\$1,758,834	4.15
<i>Incremental operating costs for compressors are not included in the calculation of incremental operating costs but may be eligible for submission to a future meeting consistent with Decision 22/26.</i>						
Elimination of CFCs in the manufacture of domestic refrigerators at Wanbao Electrical Appliance Industries Co.	UNDP	574.2	\$4,566,985	\$593,708	\$5,160,693	5.17
<i>Incremental operating costs for compressors are not included in the calculation of incremental operating costs but may be eligible for submission to a future meeting consistent with Decision 22/26.</i>						
Phasing out ODS at Changshu Refrigerating Equipment Works (Baixue), Changshu	UNIDO	425.7	\$3,548,775	\$461,341	\$4,010,116	5.41
<i>Incremental operating costs for compressors are not included in the calculation of incremental operating costs but may be eligible for submission to a future meeting consistent with Decision 22/26.</i>						
Phasing out ODS at freezer plant of Xing Xing Electric Appliances Industrial Co.	UNIDO	348.0	\$3,346,941	\$435,102	\$3,782,043	6.25

LIST OF PROJECTS AND ACTIVITIES APPROVED FOR FUNDING

 UNEP/OzL.Pro/ExCom/23/68
 Annex VI
 Page 6

Project Title	Agency	ODP Tonnes	Funds Recommended Project	(US\$) Support	(US\$) Total	C.E. (US\$/kg)
<i>Incremental operating costs for compressors are not included in the calculation of incremental operating costs but may be eligible for submission to a future meeting consistent with Decision 22/26.</i>						
Phasing out ODS at the refrigerator plant of Zhejiang Rongsheng Electric Co. Ltd., Zhejiang, Deqing County <i>Incremental operating costs for compressors are not included in the calculation of incremental operating costs but may be eligible for submission to a future meeting consistent with Decision 22/26.</i>	UNIDO	177.8	\$1,274,640	\$165,703	\$1,440,343	7.17
Phasing out ODS at the refrigerator plant of Bole Electric Appliances Group <i>Incremental operating costs for compressors are not included in the calculation of incremental operating costs but may be eligible for submission to a future meeting consistent with Decision 22/26.</i>	UNIDO	132.0	\$1,469,029	\$190,974	\$1,660,003	7.23
Elimination of CFCs 11 and 12 in the manufacture of domestic freezers at Jilin Jinouer Electric Appliances Group Co. <i>Incremental operating costs for compressors are not included in the calculation of incremental operating costs but may be eligible for submission to a future meeting consistent with Decision 22/26.</i>	UNDP	223.9	\$2,548,360	\$331,287	\$2,879,647	7.40
Conversion of refrigerator manufacture to HFC-134a refrigerant and cyclopentane foam blowing agent at Shanghai Shangling Chang-An Refrigerator Co., Ltd (former Shanghai Yuandong Refrigerator Co. Ltd.) <i>Incremental operating costs for compressors are not included in the calculation of incremental operating costs but may be eligible for submission to a future meeting consistent with Decision 22/26.</i>	IBRD	66.6	\$1,237,663	\$160,896	\$1,398,559	12.18
Commercial Hefei General Machinery Research Institute (HGMRI): Four technical assistance projects to support conversion of commercial refrigeration compressors	IBRD		\$692,400	\$90,012	\$782,412	
Compressor Phasing out ODS at the Yuhuan Compressor Factory in Kanmen Town in Yuhuan County, South East China	UNIDO	145.3	\$1,465,155	\$190,470	\$1,655,625	
SOLVENT						
CFC-113 Elimination of ODS (CFC-113) used in the production line at Fujian Putian Vikay Electronics Co. Ltd.	UNDP	56.0	\$619,780	\$80,571	\$700,351	11.07

Project Title	Agency	ODP Tonnes	Funds Recommended (US\$)		C.E. (US\$/kg)
			Project	Support	Total
Total for China		25,355.3	\$40,186,754	\$4,852,278	\$45,039,032
COMOROS					
SEVERAL					
Institutional strengthening					
Establishment of the National Ozone Unit <i>UNEP could proceed with the disbursement of the first one-year tranche of the funds approved for institutional strengthening, but subsequent disbursements would be contingent on the submission of a report to the Executive Committee on the status of development of a refrigerant management plan (Decision 20/4).</i>	UNEP		\$27,800	\$3,614	\$31,414
Total for Comoros			\$27,800	\$3,614	\$31,414
CUBA					
REFRIGERATION					
Commercial					
Umbrella project for elimination of CFCs 11 and 12 in manufacture of unitary commercial refrigeration equipment at Empco-Mincin and Segere-Sime "Dionisio Rodrigues"	UNDP	3.2	\$119,505	\$15,536	\$135,041
Total for Cuba		3.2	\$119,505	\$15,536	\$135,041
ETHIOPIA					
REFRIGERATION					
Training programme/workshop					
Implementation of a training programme for recovery and recycling of refrigerants <i>The Government of Germany is requested to integrate this project in the original RMP to be prepared by it.</i>	Finland		\$93,490		\$93,490
Total for Ethiopia			\$93,490		\$93,490
GAMBIA					
REFRIGERATION					
Preparation of project proposal					
Assistance for formulation of a refrigerant management plan <i>To be coordinated with UNIDO</i>	UNEP		\$30,000	\$3,900	\$33,900
Total for Gambia			\$30,000	\$3,900	\$33,900
GEORGIA					
REFRIGERATION					
Recovery/recycling					
Implementation of the refrigerant management plan: Implementation of a national programme for recovery and recycling of refrigerants	UNDP	3.7	\$106,750	\$13,878	\$120,628

LIST OF PROJECTS AND ACTIVITIES APPROVED FOR FUNDING

UNEP/OzL.Pro/ExCom/23/68
Annex VI Page 8

Project Title	Agency	ODP Tonnes	Funds Recommended (US\$)		C.E. (US\$/kg)
Project			Project	Support	Total
<i>Project approved taking into account that the accompanying measures necessary for successful implementation were already or would be in place before implementation began and that the project had been prepared on the basis of in-depth discussions with the national authorities and trade associations</i>					
Implementation of the refrigerant management plan: Training in monitoring and controlling of ODS	UNEP		\$35,000	\$4,550	\$39,550
Implementation of the refrigerant management plan: Training of trainers in refrigeration	UNEP		\$50,000	\$6,500	\$56,500
SEVERAL					
Institutional strengthening					
Establishment of a National Ozone Unit	UNEP		\$70,000	\$9,100	\$79,100
Total for Georgia	3.7		\$261,750	\$34,028	\$295,778
GUATEMALA					
FOAM					
Rigid					
Terminal umbrella project: Conversion to CFC-free technology in the manufacture of rigid polyurethane foam at Construservicios, Aplitex, and Fiberglas & Plasticos	UNDP	12.6	\$128,500	\$16,705	\$145,205
REFRIGERATION					
Commercial					
Conversion to CFC-free technology in the manufacture of commercial refrigeration equipment at four enterprises (Exea S.A., Productos American Vitas S.A., Termomecanica S.A., Unirefri S.A.)	UNDP	14.0	\$212,000	\$27,560	\$239,560
Total for Guatemala	26.6		\$340,500	\$44,265	\$384,765
GUYANA					
REFRIGERATION					
Domestic					
Phasing out ODS at Guyana Refrigerator Ltd., Guyana (GRL)	UNIDO	7.2	\$461,000	\$59,930	\$520,930
Recovery/recycling					
Implementation of the refrigerant management plan: Training on monitoring and control of ODS and ODS using equipment	UNEP		\$16,000	\$2,080	\$18,080
Implementation of the refrigerant management plan: National recovery and recycling programme	Canada		\$73,450		\$73,450

LIST OF PROJECTS AND ACTIVITIES APPROVED FOR FUNDING

UNEP/OzL.Pro/ExCom/23/68
Annex VI
Page 9

Project Title	Agency	ODP Tonnes	Funds Recommended Project	(US\$) Support	Total	C.E. (US\$/kg)
<i>Project was approved taking into account that the accompanying measures necessary for successful implementation were already or would be in place before implementation began and that the project had been prepared on the basis of in-depth discussions with the national authorities and trade associations.</i>						
Implementation of the refrigerant management plan: Training of trainers for good refrigeration servicing practices	UNEP		\$50,000	\$6,500	\$56,500	
SEVERAL						
Institutional strengthening						
Creation of the National Ozone Action Unit	UNEP		\$65,000	\$8,450	\$73,450	
Total for Guyana	7.2		\$665,450	\$76,960	\$742,410	
INDIA						
FOAM						
Rigid						
Elimination of CFCs in the manufacture of rigid polyurethane foam insulation products at Panna International	UNDP	9.7	\$48,000	\$6,240	\$54,240	4.96
Elimination of CFCs in the manufacture of rigid polyurethane foam insulation products at Viral Corporation	UNDP	11.8	\$84,000	\$10,920	\$94,920	7.13
Elimination of CFCs in the manufacture of rigid polyurethane foam at Ras Polybuild Products P. Ltd.	UNDP	17.7	\$128,000	\$16,640	\$144,640	7.22
Elimination of CFCs in the manufacture of rigid PUF insulated thermoware at Alaska Industries	UNDP	17.6	\$128,000	\$16,640	\$144,640	7.29
Elimination of CFCs in the manufacture of rigid PUF insulated thermoware at Bluplast Corporation	UNDP	10.1	\$76,000	\$9,880	\$85,880	7.51
Elimination of CFCs in the manufacture of rigid polyurethane foam insulation products at Reliable Rotomoulders P. Ltd.	UNDP	8.7	\$63,000	\$8,190	\$71,190	7.83
Elimination of CFCs in the manufacture of rigid polyurethane foam insulation products at Malanpur Entech P. Ltd.	UNDP	18.9	\$148,000	\$19,240	\$167,240	7.83
Elimination of CFCs in the manufacture of rigid PUF insulated thermoware at Nissan Thermoware P. Ltd.	UNDP	15.4	\$111,000	\$14,430	\$125,430	7.83
Integral skin						
Elimination of CFCs in the manufacture of flexible cold-cured moulded PU foam at K.J. Polymers P. Ltd.	UNDP	30.0	\$127,550	\$16,582	\$144,132	4.25

UNEP/OzL.Pro/ExCom/23/68
Annex VI Page 10

[illegible]

Project Title	Agency	ODP Tonnes	Funds Recommended (US\$)		C.E. (US\$/kg)
			Project	Support	
Elimination of CFCs in the manufacture of commercial refrigeration equipment at Sarkar Refrigeration Industries <i>No more projects in the commercial refrigeration sub-sector in India to be considered by the Executive Committee until its requirements from the 22nd Meeting regarding development of a group approach to technology transfer, trials and training have been implemented by the World Bank. Incremental operating costs for compressors are not included in the calculation of incremental operating costs but may be eligible for submission to a future meeting consistent with Decision 22/26.</i>	IBRD	12.0	\$117,100	\$15,223	\$132,323 9.76
Elimination of CFCs in the manufacture of commercial refrigeration equipment at Sidwal Refrigeration Industries P. Ltd. <i>No more projects in the commercial refrigeration sub-sector in India to be considered by the Executive Committee until its requirements from the 22nd Meeting regarding development of a group approach to technology transfer, trials and training have been implemented by the World Bank. Incremental operating costs for compressors are not included in the calculation of incremental operating costs but may be eligible for submission to a future meeting consistent with Decision 22/26.</i>	IBRD	11.7	\$169,744	\$22,067	\$191,811 14.51
Preparation of project proposal Preparation of an investment project for phasing out ODS in the refrigeration sector (project under identification)	UNIDO		\$25,000	\$3,250	\$28,250
Total for India		254.9	\$2,016,185	\$262,104	\$2,278,289
INDONESIA					
FOAM					
Flexible					
Elimination of CFC-11 in the manufacture of flexible polyurethane foam (slabstock) at PT. Irc Inoac Indonesia	IBRD	110.0	\$412,900	\$53,677	\$466,577 3.38

Project Title	Agency	ODP Tonnes	Funds Recommended (US\$)			C.E. (US\$/kg)
			Project	Support	Total	
Flexible boxfoam. Technical assistance program for SMEs at Indonesian Foam Association (AFI) <i>The project is a terminal project for the flexible slabstock foam sub-sector and thus, the Government of Indonesia will not submit any further projects in that sub-sector for funding under the Multilateral Fund. The Government of Indonesia has been made aware of the potential economic differences in the use of 2 different technological options by different groups of SMEs and would not submit any project in future which is aimed at addressing any possible market advantages and/or disadvantages among the different boxfoam producers.</i>	IBRD	954.0	\$4,060,640	\$527,883	\$4,588,523	4.26
Elimination of CFC-11 in the manufacture of flexible polyurethane foam (slabstock) at PT Sea Horse Maspion Indonesia	IBRD	90.0	\$532,200	\$69,186	\$601,386	5.91
Rigid						
Conversion to CFC-free technology in the manufacture of rigid PUF spray insulation at Karya Cipta Semesta	UNDP	16.4	\$68,000	\$8,840	\$76,840	4.16
Conversion to CFC-free technology in the manufacture of rigid polyurethane foam (spray foam) at PT Ferrarindo Multi Sarana	UNDP	7.7	\$32,900	\$4,277	\$37,177	4.30
Conversion to CFC-free technology in the manufacture of rigid PUF insulated products at UD Samrow Foam	UNDP	22.7	\$110,000	\$14,300	\$124,300	4.85
Conversion to CFC-free technology in the manufacture of rigid polyurethane foam (panels, blocks) at PT Aneka Cool Citratama	UNDP	32.7	\$232,225	\$30,189	\$262,414	7.10
Conversion to CFC-free technology in the manufacture of rigid polyurethane foam (thermoware) at PT Dilihan Glory	UNDP	13.1	\$102,200	\$13,286	\$115,486	7.83
Conversion to CFC-free technology in the manufacture of rigid PUF insulated thermoware at PT Langgeng Makmur Plastic Industry Ltd.	UNDP	18.1	\$142,000	\$18,460	\$160,460	7.83
Integral skin						
Conversion to CFC-free technology in the manufacture of flexible cold cured moulded and integral skin PUF at PT Archigramma	UNDP	16.5	\$106,625	\$13,861	\$120,486	6.48
Conversion to CFC-free technology in the manufacture of flexible cold cured moulded PUF at Ciptaindah Jokindo	UNDP	9.0	\$77,125	\$10,026	\$87,151	8.57

Project Title	Agency	ODP Tonnes	Funds Recommended Project	Support	(US\$) Total	C.E. (US\$/kg)
Flexible moulded PU foam. Technical assistance program for SMEs at Indonesian Foam Association (AFI)	IBRD	370.0	\$3,538,400	\$459,992	\$3,998,392	9.56
Polystyrene/polyethylene						
Elimination of CFC-12 in the manufacture of extruded polethylene foam sheet at PT. Tara Guna Foam	IBRD	35.0	\$287,700	\$37,401	\$325,101	8.22
FUMIGANT						
Preparation of project proposal						
Preparation of a demonstration project in the methyl bromide sector	UNIDO		\$10,000	\$1,300	\$11,300	
REFRIGERATION						
Commercial						
Conversion of CFC-12 refrigerate to HFC-134a, and CFC-11 to HCFC-141b as the blowing agent for foam insulation in the manufacture of commercial refrigeration units at PT Wahana Derby Sejati	IBRD	10.3	\$139,233	\$18,100	\$157,333	13.54
Conversion to CFC-free technology in the manufacture of commercial refrigeration equipment at C.V. Kulkasindo	UNDP	9.4	\$136,000	\$17,680	\$153,680	14.47
Conversion of CFC-12 commercial refrigeration to HFC-134a at PT Porkka Indonesia	IBRD	4.0	\$58,517	\$7,607	\$66,124	14.77
Conversion of CFC-12 commercial refrigeration to HFC-134a at PT Maspion	IBRD	9.0	\$136,890	\$17,796	\$154,686	15.21
SEVERAL						
Institutional strengthening						
Renewal of institutional strengthening	UNDP		\$208,650	\$27,125	\$235,775	
Preparation of project proposal						
Preparation of an investment project for phasing out ODS at three enterprises including the companies Nirwana and P.T. Success	UNIDO		\$10,000	\$1,300	\$11,300	
Total for Indonesia		1,727.7	\$10,402,205	\$1,352,287	\$11,754,492	
IRAN						
FOAM						
Flexible						
Phasing out of CFC-11 from flexible slabstock foam manufacturing at Mashhad Foam	UNIDO	90.0	\$503,330	\$65,433	\$568,763	5.59
Preparation of project proposal						
Preparation of an investment project in the foam sector for phasing out ODS at three enterprises including Bahaman Plastic	UNIDO		\$10,000	\$1,300	\$11,300	

LIST OF PROJECTS AND ACTIVITIES APPROVED FOR FUNDING

 UNEP/OzL.Pro/ExCom/23/68
 Annex VI
 Page 14

Project Title	Agency	ODP Tonnes	Funds Recommended Project	Recommended (US\$) Support	(US\$) Total	C.E. (US\$/kg)
FUMIGANT						
Preparation of project proposal						
Preparation of a demonstration project in the methyl bromide sector	UNIDO		\$10,000	\$1,300	\$11,300	
HALON						
Preparation of project proposal						
Projects preparation and technical assistance in the halon sector	France		\$31,500		\$31,500	
REFRIGERATION						
Commercial						
Phasing out ODS at Electro Steel Co.	UNIDO	120.0	\$898,159	\$116,761	\$1,014,920	7.48
Phasing out ODS at Yakh Chavan Manufacturing Company	UNIDO	41.8	\$527,802	\$68,614	\$596,416	12.64
Phasing out ODS at Zagross II Co.	UNIDO	34.0	\$444,858	\$57,832	\$502,690	13.08
Phasing out ODS at Yakh Saran Co.	UNIDO	34.0	\$458,663	\$59,626	\$518,289	13.49
Recovery/recycling						
Set up of a national program of recovery and recycling CFC-12 (pilot project in Tehran)	France		\$345,923		\$345,923	
SOLVENT						
Preparation of project proposal						
Project preparation/technical assistance in the solvent sector	France		\$31,500		\$31,500	
SEVERAL						
Institutional strengthening						
Renewal of institutional strengthening	UNDP		\$133,470	\$17,351	\$150,821	
	Total for Iran	319.8	\$3,395,205	\$388,217	\$3,783,422	
JAMAICA						
REFRIGERATION						
MAC recovery/recycling						
MAC demonstration project	USA		\$130,000		\$130,000	
	Total for Jamaica		\$130,000		\$130,000	
JORDAN						
FOAM						
Rigid						
Conversion to CFC-free technology in the manufacture of rigid polyurethane foam (miscellaneous applications) at Fathei Abu Arja <i>The project will complete the CFC phaseout in the rigid foam sub-sector in the country and the Government of Jordan will submit no further requests for funding from the Multilateral Fund for any enterprise in this sector (Decision 19/32).</i>	IBRD	105.4	\$824,869	\$107,233	\$932,102	7.83

Project Title	Agency	ODP Tonnes	Funds Recommended (US\$)		C.E. (US\$/kg)
			Project	Support	Total
FUMIGANT					
Preparation of project proposal					
Preparation of a demonstration project in the methyl bromide sector	UNIDO		\$10,000	\$1,300	\$11,300
REFRIGERATION					
Commercial					
Phasing out CFCa at the Ihsan & Tahseen Baalbaki Co.	UNIDO	66.5	\$545,103	\$70,863	\$615,966
					8.24
Total for Jordan		171.9	\$1,379,972	\$179,396	\$1,559,368
KENYA					
FUMIGANT					
Preparation of project proposal					
Preparation of a demonstration project in the methyl bromide sector	UNIDO		\$10,000	\$1,300	\$11,300
SOLVENT					
TCA					
Conversion of ODS cleaning processes from TCA to aqueous cleaning and cleaning with TCE at Kenyan Railways Central Workshop	UNIDO	6.0	\$205,524	\$26,718	\$232,242
					34.48
Total for Kenya		6.0	\$215,524	\$28,018	\$243,542
KOREA, DPR					
FOAM					
General					
Phasing out CFC-11 at Pyongyang Foam Plant	UNIDO	83.0	\$103,570	\$13,464	\$117,034
					1.25
Phasing out CFC-11 at Hamhung Foam Factory, Hamgyong South Province	UNIDO	35.0	\$102,680	\$13,348	\$116,028
					2.93
Phasing out CFC-11 at Chongjin Foam Factory, Hamgyong North Province	UNIDO	32.0	\$103,670	\$13,477	\$117,147
					3.24
FUMIGANT					
Preparation of project proposal					
Preparation of a demonstration project in the methyl bromide sector	UNIDO		\$15,000	\$1,950	\$16,950
SOLVENT					
CTC					
Conversion of metal cleaning processes from ODS solvents to vapour degreasing at Unsan Tools Factory (UTF)	UNIDO	110.0	\$311,922	\$40,550	\$352,472
					2.83
<i>The country programme for Korea to be re-examined by UNEP, the agency which prepared it, to resolve the apparent inconsistencies between stated and actual consumption in the solvent sector.</i>					
Total for Korea, DPR		260.0	\$636,842	\$82,789	\$719,631

Project Title	Agency	ODP Tonnes	Funds Recommended (US\$)		C.E. (US\$/kg)
			Project	Support	Total
LEBANON					
REFRIGERATION					
Commercial					
Conversion of refrigeration industrial facilities	France	10.4	\$166,605		\$166,605 15.21
Recovery/recycling					
Implementation of an ODS recovery and recycling network	France		\$425,289		\$425,289
Training programme/workshop					
Training of refrigeration technicians on recovery and recycling methodologies	France		\$52,668		\$52,668
Total for Lebanon		10.4	\$644,562		\$644,562
MALAYSIA					
FOAM					
Rigid					
Conversion to CFC-free technology in the manufacture of polyurethane foam at Hi Tech Insulation	UNDP	18.5	\$96,815	\$12,586	\$109,401 5.23
Conversion to CFC-free technology in the manufacture of polyurethane foam at Frank Chee	UNDP	28.0	\$174,350	\$22,666	\$197,016 6.23
Phasing out ODS at Kean Chong Industries Sdn. Bhd.	UNIDO	16.3	\$107,819	\$14,016	\$121,835 6.61
Phasing out ODS at Summer Technologies Sdn. Bhd.	UNIDO	12.1	\$89,407	\$11,623	\$101,030 7.38
Phasing out ODS at Visdamax Sdn. Bhd.	UNIDO	18.5	\$139,959	\$18,195	\$158,154 7.56
Conversion to CFC-free technology in the manufacture of polyurethane foam at OAL Enterprise	UNDP	7.5	\$58,300	\$7,579	\$65,879 7.82
Integral skin					
Conversion to CFC-free technology in the manufacture of polyurethane foam at Heng Huat Furniture	UNDP	50.0	\$269,500	\$35,035	\$304,535 5.39
Conversion to CFC-free technology in the manufacture of polyurethane foam at CT Foam	UNDP	14.0	\$236,000	\$30,680	\$266,680 16.86
REFRIGERATION					
Commercial					
Conversion to CFC-free technology in the manufacture of polyurethane foam at Kwang Tai Refrigeration	UNDP	28.5	\$316,000	\$41,080	\$357,080 11.09
Total for Malaysia		193.3	\$1,488,150	\$193,460	\$1,681,610
MEXICO					
FOAM					
Rigid					
Conversion to CFC-free technolog in the manufacture of rigid foam at Valsa Panel	UNDP	24.0	\$92,000	\$11,960	\$103,960 3.83

LIST OF PROJECTS AND ACTIVITIES APPROVED FOR FUNDING

 UNEP/OzL.Pro/ExCom/23/68
 Annex VI
 Page 17

Project Title	Agency	ODP Tonnes	Funds Recommended (US\$) Project	Support	(US\$) Total	C.E. (US\$/kg)
Conversion to CFC-free technology in the manufacture of rigid polyurethane foam (spray) at group project Pumex	UNDP	167.7	\$1,133,881	\$147,405	\$1,281,286	6.76
Integral skin						
Conversion to CFC-free technology in the manufacture of polyurethane shoe soles at Group Project (Orca)	UNDP	190.0	\$1,471,500	\$191,295	\$1,662,795	7.74
Conversion to CFC-free technology in the manufacture of integral skin foam at Air Design	UNDP	5.0	\$80,500	\$10,465	\$90,965	16.10
General						
Conversion to CFC-free technology in the manufacture of rigid foam (spray) and integral skin foam at Con Espuma	UNDP	11.4	\$96,100	\$12,493	\$108,593	8.43
REFRIGERATION						
Commercial						
Phasing out of CFCs at Nieto S.A.	UNIDO	24.6	\$353,976	\$46,017	\$399,993	14.38
Phasing out of CFCs at Criotec S.A.	UNIDO	16.0	\$240,794	\$31,303	\$272,097	15.00
Phasing out of CFC at Vendo S.A.	UNIDO	16.5	\$248,524	\$32,308	\$280,832	15.09
Phasing out of CFCs at Torrey S.A.	UNIDO	15.1	\$228,165	\$29,661	\$257,826	15.15
Preparation of project proposal						
Preparation of an investment project for phasing out ODS at several small enterprises in the commercial refrigeration	UNIDO		\$20,000	\$2,600	\$22,600	
Total for Mexico		470.3	\$3,965,440	\$515,507	\$4,480,947	
MOROCCO						
FOAM						
Flexible						
Phase out of CFC in the manufacture of flexible foam (slabstock) at Sodiflex and Tiznit Plastic S.A.	UNDP	85.0	\$517,300	\$67,249	\$584,549	6.08
Phase out of CFC in the manufacture of flexible foam (slabstock) at Molen Industrie S.A.	UNDP	9.0	\$56,070	\$7,289	\$63,359	6.23
Phase out of CFC in the manufacture of flexible foam (slabstock) at Mousse d'Or S.A.	UNDP	45.0	\$280,350	\$36,446	\$316,796	6.23
Phase out of CFC in the manufacture of flexible foam (slabstock) at Richdor S.A.	UNDP	10.0	\$62,300	\$8,099	\$70,399	6.23
Phase out of CFC in the manufacture fo flexible foam (slabstock) at Salidor S.A	UNDP	48.0	\$299,000	\$38,870	\$337,870	6.23
Rigid						

Project Title	Agency	ODP Tonnes	Funds Recommended (US\$)		C.E. (US\$/kg)
			Project	Support	
Phase out of CFC in the manufacture of rigid foam at Panaf Isolation S.A.	UNDP	17.5	\$137,000	\$17,810	\$154,810 7.83
REFRIGERATION					
Recovery/recycling					
Implementation of an ODS recovery and recycling network <i>Project was approved taking into account that the accompanying measures necessary for successful implementation were already or would be in place before implementation began and that the project had been prepared on the basis of in-depth discussions with the national authorities and trade associations</i>	France	22.3	\$355,867		\$355,867 15.95
Training programme/workshop					
Training of refrigeration technicians on recovery and recycling methodologies	France		\$53,361		\$53,361
Total for Morocco		236.8	\$1,761,248	\$175,763	\$1,937,011
NIGERIA					
FOAM					
Flexible					
Conversion to CFC-free technology in the manufacture of flexible polyurethane foam at Ugochukwu Chemical Industries Ltd.	UNDP	118.6	\$407,600	\$52,988	\$460,588 3.43
Conversion to CFC-free technology in the manufacture of flexible polyurethane foam at Bajabure Industrial Complex Ltd.	UNDP	32.3	\$135,400	\$17,602	\$153,002 4.19
Conversion to CFC-free technology in the manufacture of flexible polyurethane foam at Mouka Ltd.	UNDP	30.3	\$143,600	\$18,668	\$162,268 4.73
Conversion to CFC-free technology in the manufacture of flexible polyurethane foam at Elico Industries Ltd.	UNDP	25.7	\$133,900	\$17,407	\$151,307 5.22
Conversion to CFC-free technology in the manufacture of flexible polyurethane foam at Safa Foam Products (Nig) Ltd.	UNDP	24.4	\$146,400	\$19,032	\$165,432 6.00
Conversion to CFC-free technology in the manufacture of flexible polyurethane foam at Winco Foam Industries Ltd.	UNDP	19.1	\$117,200	\$15,236	\$132,436 6.13
Rigid					
Elimination of CFCs in the manufacture of rigid PUF insulation products at Aluminium Manufacturing Company of Nigeria Plc (Alumaco)	UNDP	11.5	\$38,000	\$4,940	\$42,940 3.30

Project Title	Agency	ODP Tonnes	Funds Recommended Project	Support	(US\$) Total	C.E. (US\$/kg)
Elimination of CFCs in the manufacture of rigid PUF spray insulation at Polyurethane Manufacturers Ltd. (Polyma)	UNDP	18.5	\$80,500	\$10,465	\$90,965	4.36
Elimination of CFCs in the manufacture of rigid PUF for thermoware in three enterprises of the Eleganza Group (Eleganza Cooler and Household Industries Ltd., Eleganza Ceramics and Cooler Industries Ltd., Eleganza Ball Pen Industries Ltd.)	UNDP	73.8	\$568,000	\$73,840	\$641,840	7.69
Total for Nigeria		354.3	\$1,770,600	\$230,178	\$2,000,778	
PAKISTAN						
FOAM						
Rigid						
Umbrella project: Conversion to CFC-free technology in the manufacture of rigid polyurethane foam (thermoware)	IBRD	239.6	\$1,600,000	\$208,000	\$1,808,000	6.68
Integral skin						
Conversion to CFC-free technology in the manufacture of integral skin polyurethane foam at Synthetic Products Enterprises (Pvt) Ltd. (SPEL)	IBRD	13.6	\$160,625	\$20,881	\$181,506	11.81
General						
Conversion to CFC-free technology in the manufacture of polyurethane foam (flexible slabstock, flexible moulded, rigid foam) at Diamond Group of Industries	IBRD	64.1	\$563,339	\$73,234	\$636,573	8.79
REFRIGERATION						
Domestic						
Conversion to CFC-free technology in the manufacture of polyurethane foam (domestic refrigeration) at Cool Industries Ltd. (Waves)	IBRD	117.6	\$841,750	\$109,428	\$951,178	7.16
Conversion to CFC-free technology in the manufacture of polyurethane foam at Singer Pakistan Ltd.	IBRD	17.8	\$205,893	\$26,766	\$232,659	7.52
Phasing out ODS at the freezer factory of Hirra Farooq's (Pvt) Ltd.	UNIDO	31.2	\$521,580	\$67,805	\$589,385	11.34
Commercial						
Conversion to CFC-free technology in the manufacture of polyurethane foam at Kold Kraft Ltd.	IBRD	11.5	\$175,000	\$22,750	\$197,750	15.21
Total for Pakistan		495.4	\$4,068,187	\$528,864	\$4,597,051	

Project Title	Agency	ODP Tonnes	Funds Recommended (US\$)		C.E. (US\$/kg)
Project			Project	Support	Total
PARAGUAY					
FOAM					
Multiple-subsectors					
Terminal umbrella project: Conversion to CFC-free technology in the manufacture of polyurethane foam at Superspuma Del Paraguay SAIC, Suenolar, La Asuncena, and Industrias Cel	UNDP	55.5	\$405,600	\$52,728	\$458,328
<i>The projects would phase out the use of CFCs in the foam sector in Paraguay and the Government of Paraguay would not submit any further projects in the sector for funding by the Multilateral Fund.</i>					
Total for Paraguay		55.5	\$405,600	\$52,728	\$458,328
PHILIPPINES					
FOAM					
Rigid					
Umbrella project: Conversion to CFC-free technology in small CFC consuming enterprises using CFC in the manufacture of rigid polyurethane foam (Ashlar Industrial Corporation, Alen International, Zegal Plastic Product)	UNDP	5.1	\$39,930	\$5,191	\$45,121
Integral skin					
Conversion to CFC-free technology in the manufacture of polyurethane foam at Soutech	UNDP	20.0	\$326,750	\$42,478	\$369,228
REFRIGERATION					
Commercial					
Elimination of CFC-11 and CFC-12 in the manufacture of commercial refrigeration equipment at Azkcon Refrigeration Industries, Inc.	Germany	18.9	\$370,258		\$370,258
Total for Philippines		44.0	\$736,938	\$47,668	\$784,606
ROMANIA					
FOAM					
Preparation of project proposal					
Preparation of an investment project in the foam sector for phasing out ODS at Romcarbon	UNIDO		\$10,000	\$1,300	\$11,300
FUMIGANT					
Preparation of project proposal					
Preparation of a demonstration project in the methyl bromide sector	UNIDO		\$10,000	\$1,300	\$11,300
Total for Romania			\$20,000	\$2,600	\$22,600

Project Title	Agency	ODP Tonnes	Funds Recommended Project	Support	(US\$) Total	C.E. (US\$/kg)
SAINT LUCIA						
REFRIGERATION						
Recovery/recycling						
Implementation of the refrigerant management plan <i>Project was approved taking into account that the accompanying measures necessary for successful implementation were already or would be in place before implementation began and that the project had been prepared on the basis of in-depth discussions with the national authorities and trade associations</i>	Canada		\$146,900		\$146,900	
Total for Saint Lucia			\$146,900		\$146,900	
SENEGAL						
SEVERAL						
Institutional strengthening						
Renewal of institutional strengthening	UNEP		\$117,000	\$15,210	\$132,210	
Total for Senegal			\$117,000	\$15,210	\$132,210	
SRI LANKA						
SEVERAL						
Institutional strengthening						
Renewal of institutional strengthening	UNDP		\$103,120	\$13,406	\$116,526	
Total for Sri Lanka			\$103,120	\$13,406	\$116,526	
SUDAN						
REFRIGERATION						
Preparation of project proposal						
Preparation of an investment project in the recovery and recycling sector	UNIDO		\$10,000	\$1,300	\$11,300	
Total for Sudan			\$10,000	\$1,300	\$11,300	
SYRIA						
AEROSOL						
Filling plant						
Phasing out CFCs at Laboratories Kosmeto	UNIDO	59.9	\$175,062	\$22,758	\$197,820	2.92
Phasing out CFCs at Dina Cosmetics	UNIDO	70.0	\$228,477	\$29,702	\$258,179	3.26
Preparation of project proposal						
Preparation of at least three investment projects in the aerosol sector for phasing out ODS at three enterprises including Nweylati	UNIDO		\$10,000	\$1,300	\$11,300	
FOAM						
Flexible						
Phasing out of CFC-11 from flexible slabstock foam manufacturing at Akal Factory	UNIDO	101.0	\$510,130	\$66,317	\$576,447	5.05

LIST OF PROJECTS AND ACTIVITIES APPROVED FOR FUNDING

UNEP/OzL.Pro/ExCom/23/68
Annex VI Page 22

Project Title	Agency	ODP Tonnes	Funds Recommended Project	(US\$) Support	(US\$) Total	C.E. (US\$/kg)
FUMIGANT						
Preparation of project proposal						
Preparation of a demonstration project in the methyl bromide sector	UNIDO		\$10,000	\$1,300	\$11,300	
REFRIGERATION						
Preparation of project proposal						
Assistance for formulation of a refrigerant management plan	UNEP		\$30,000	\$3,900	\$33,900	
<i>To be coordinated with UNIDO</i>						
Total for Syria	230.9	\$963,669	\$125,277	\$1,088,946		
THAILAND						
AEROSOL						
Filling plant						
P-Tech Manuchem Co. Ltd. conversion	UNDP	37.3	\$115,830	\$15,058	\$130,888	3.10
J.M.T. Laboratories Co. Ltd. conversion	UNDP	36.6	\$127,920	\$16,630	\$144,550	3.49
FOAM						
Flexible						
Conversion to CFC-free technology in the manufacture of flexible slabstock polyurethane foam at Chareon Porn	UNDP	15.0	\$93,500	\$12,155	\$105,655	6.23
Conversion to CFC-free technology in the manufacture of flexible polyurethane boxfoam at Nun Charoen	UNDP	16.8	\$105,000	\$13,650	\$118,650	6.23
Conversion to CFC-free technology in the manufacture of flexible slabstock polyurethane foam (boxfoam) at Thai International	UNDP	15.0	\$93,500	\$12,155	\$105,655	6.23
Rigid						
Conversion to CFC-free technology in the manufacture of rigid polyurethane foam (panels) at Alcan Nikkei Thai Aluminum Co. Ltd.	IBRD	43.5	\$36,500	\$4,745	\$41,245	0.84
Conversion to CFC-free technology in rigid spray foam applications at P.U. Foam Insulation and Trading Co. Ltd.	IBRD	58.1	\$225,400	\$29,302	\$254,702	3.88
Conversion to CFC-free technology in the manufacture of rigid polyurethane foam (containers) at Can Asia Products Co. Ltd.	IBRD	16.8	\$84,300	\$10,959	\$95,259	5.01
Conversion to CFC-free technology in the manufacture of rigid polyurethane foam (containers) at Viriyakit Plastic Industry Co. Ltd.	IBRD	27.5	\$142,700	\$18,551	\$161,251	5.18
Conversion to CFC-free technology in the manufacture of rigid polyurethane foam (thermoware) at Century Plastics	UNDP	7.3	\$56,750	\$7,378	\$64,128	7.83

LIST OF PROJECTS AND ACTIVITIES APPROVED FOR FUNDING

UNEP/OzL.Pro/ExCom/23/68
Annex VI
Page 23

Project Title	Agency	ODP Tonnes	Funds Recommended (US\$)		C.E. (US\$/kg)
			Project	Support	Total
Conversion to CFC-free technology in rigid sprayfoam applications at Thermobond Co. Ltd.	IBRD	10.4	\$81,400	\$10,582	\$91,982
Conversion to CFC-free technology in the manufacture of rigid polyurethane foam (thermoware) at General Injection Co. Ltd.	IBRD	15.4	\$120,580	\$15,675	\$136,255
Conversion to CFC-free technology in the manufacture of rigid polyurethane foam (thermoware) at Siam Chaicharoen Industry Co. Ltd.	IBRD	11.3	\$88,500	\$11,505	\$100,005
Conversion to CFC-free technology in the manufacture of rigid polyurethane foam (containers) at Treathaboon Industry Co. Ltd.	IBRD	22.7	\$177,750	\$23,108	\$200,858
Integral skin					
Conversion to CFC-free technology in the manufacture of integral skin polyurethane foam at Novochem	UNDP	19.7	\$196,600	\$25,558	\$222,158
REFRIGERATION					
Commercial					
Conversion of CFC-12 refrigerant to HFC-134a, and CFC-11 to HCFC-141b as the blowing agent for foam insulation in the manufacture of Water Coolers at Siam Cooler	IBRD	26.4	\$186,545	\$24,251	\$210,796
<i>Incremental operating costs for compressors are not included in the calculation of incremental operating costs but may be eligible for submission to a future meeting consistent with Decision 22/26.</i>					
Conversion of CFC-12 commercial refrigeration to HC-134a, and CFC-11 to HCFC-141b as the blowing agent for foam insulation at Padriew Co. Ltd.	IBRD	10.2	\$135,954	\$17,674	\$153,628
<i>Incremental operating costs for compressors are not included in the calculation of incremental operating costs but may be eligible for submission to a future meeting consistent with Decision 22/26.</i>					
Conversion of CFC-12 refrigerant to HFC-134a and CFC-11 to HCFC-141b as the blowing agent for foam insulation in the manufacture of water coolers at Sirithana	IBRD	8.1	\$122,593	\$15,937	\$138,530
Conversion of CFC-12 commercial refrigeration to HFC-134a, and CFC-11 to HCFC-141b as the blowing agent for foam insulation at Sahakarn Intercool Co. Ltd.	IBRD	5.7	\$86,697	\$11,271	\$97,968
Total for Thailand		403.7	\$2,278,019	\$296,142	\$2,574,161

TOGO
SEVERAL

LIST OF PROJECTS AND ACTIVITIES APPROVED FOR FUNDING

 UNEP/OzL.Pro/ExCom/23/68
 Annex VI
 Page 24

Project Title	Agency	ODP Tonnes	Funds Recommended (US\$)		C.E. (US\$/kg)
			Project	Support	Total
Institutional strengthening					
Establishment of the National Ozone Office	UNEP		\$70,000	\$9,100	\$79,100
Total for Togo			\$70,000	\$9,100	\$79,100
TRINIDAD AND TOBAGO					
REFRIGERATION					
Recovery/recycling					
Implementation of the refrigerant management plan: Training the trainers of technicians in the refrigeration sector	UNEP		\$50,000	\$6,500	\$56,500
Implementation of the refrigerant management plan: Training in monitoring and controlling of ODSs	UNEP		\$26,500	\$3,445	\$29,945
Implementation of the refrigerant management plan: Implementation of a national programme for recovery and recycling of refrigerant <i>Project was approved taking into account that the accompanying measures necessary for successful implementation were already or would be in place before implementation began and that the project had been prepared on the basis of in-depth discussions with the national authorities and trade associations.</i>	UNDP	18.5	\$213,990	\$27,819	\$241,809
MAC recovery/recycling					
MAC demonstration project	USA		\$117,000		\$117,000
Total for Trinidad and Tobago		18.5	\$407,490	\$37,764	\$445,254
TUNISIA					
AEROSOL					
Filling plant					
Phasing out CFCs at Parhycos, Sfax, Tunisia	UNIDO	10.0	\$41,195	\$5,355	\$46,550
FOAM					
Flexible					
Phasing out CFC-11 at Polymousse flexible polyurethane foam plant	UNIDO	35.0	\$104,343	\$13,565	\$117,908
Phasing out CFC-11 at Sotrapoc flexible polyurethane foam plant	UNIDO	20.0	\$90,037	\$11,705	\$101,742
Phasing out CFC-11 at Sud Inter Mousse flexible polyurethane foam plant	UNIDO	102.0	\$546,920	\$71,100	\$618,020
REFRIGERATION					
Commercial					
Terminal umbrella project to phase out ODS at 7 manufacturers of commercial and domestic refrigerators (Chahed Refrigeration, Sogima, Sotiem, Rei, Frigo BAF, Societe Moderne Refrigeration, Frigo Technique)	UNIDO	29.0	\$374,111	\$48,634	\$422,745

LIST OF PROJECTS AND ACTIVITIES APPROVED FOR FUNDING

 UNEP/OzL.Pro/ExCom/23/68
 Annex VI
 Page 25

Project Title	Agency	ODP Tonnes	Funds Recommended (US\$)		C.E. (US\$/kg)
			Project	Support	Total
Total for Tunisia		196.0	\$1,156,606	\$150,359	\$1,306,965
TURKEY					
FOAM					
Flexible					
Phasing out CFC-11 at Isbir Termoset Plastic San. A.S., Ankara, Turkey	UNIDO	130.0	\$501,350	\$65,176	\$566,526
Phasing out CFC-11 at Go-Ya Sungar Ltd. Sti.	UNIDO	95.0	\$533,400	\$69,342	\$602,742
Conversion from CFC-11 into LCD for flexible slabstock foam at Safas	IBRD	93.8	\$530,000	\$68,900	\$598,900
REFRIGERATION					
MAC recovery/recycling					
MACs servicing demonstration project	USA		\$205,000		\$205,000
Total for Turkey		318.8	\$1,769,750	\$203,418	\$1,973,168
URUGUAY					
REFRIGERATION					
Preparation of project proposal					
Assistance for formulation of a refrigerant management plan	UNEP		\$30,000	\$3,900	\$33,900
Total for Uruguay			\$30,000	\$3,900	\$33,900
VENEZUELA					
FOAM					
Rigid					
Phasing out ODS at Industrias Todos C.A., Caracas	UNIDO	17.8	\$137,520	\$17,878	\$155,398
Total for Venezuela		17.8	\$137,520	\$17,878	\$155,398
VIETNAM					
REFRIGERATION					
Preparation of project proposal					
Assistance for formulation of a refrigerant management plan	UNEP		\$30,000	\$3,900	\$33,900
Total for Vietnam			\$30,000	\$3,900	\$33,900
YUGOSLAVIA					
REFRIGERATION					
Preparation of project proposal					
Preparation of an investment project in the refrigeration sector for phasing out ODS at Obod	UNIDO		\$10,000	\$1,300	\$11,300
SOLVENT					
Preparation of project proposal					
Preparation of an investment project in the solvent sector for phasing out ODS at Hemofarm	UNIDO		\$10,000	\$1,300	\$11,300

LIST OF PROJECTS AND ACTIVITIES APPROVED FOR FUNDING

UNEP/OzL.Pro/ExCom/23/68
Annex VI Page 26

Project Title	Agency	ODP Tonnes	Funds Recommended (US\$)		C.E. (US\$/kg)
			Project	Support	Total
Total for Yugoslavia			\$20,000	\$2,600	\$22,600
ZIMBABWE					
FUMIGANT					
Methyl bromide					
Demonstration Project - Two alternatives to the use of methyl bromide in the production of tobacco drought-resistant seedlings: non-soil cultivation and low-dose chemicals	UNIDO		\$370,700	\$48,191	\$418,891
Total for Zimbabwe			\$370,700	\$48,191	\$418,891
REGION: AFR					
REFRIGERATION					
Preparation of project proposal					
Development of Refrigerant management plans for 10 low volume consuming countries in Southern and Eastern Africa (Botswana, Ethiopia, Kenya, Mauritius, Namibia, Seychelles, Swaziland, Uganda, Zambia, Zimbabwe)	Germany		\$300,000		\$300,000
SEVERAL					
Network					
African regional networks for French-speaking and English-speaking countries (1998)	UNEP		\$431,000	\$56,030	\$487,030
Total for Region: AFR			\$731,000	\$56,030	\$787,030
REGION: ASP					
SEVERAL					
Network					
Asia Regional Networks for SEAP & East Asia (1998)	UNEP		\$209,000	\$27,170	\$236,170
West Asian regional network	UNEP		\$115,000	\$14,950	\$129,950
Total for Region: ASP			\$324,000	\$42,120	\$366,120
REGION: LAC					
SEVERAL					
Training programme/workshop					
Regional workshop on monitoring and control of ODS consumption for the Caribbean region	UNEP		\$85,000	\$11,050	\$96,050
Network					
Latin America Region Networks for LAC South, LAC Central, consumption for the Caribbean region	UNEP		\$399,000	\$51,870	\$450,870
Total for Region: LAC			\$484,000	\$62,920	\$546,920
GLOBAL					
FUMIGANT					
Technical assistance/support					

LIST OF PROJECTS AND ACTIVITIES APPROVED FOR FUNDING

 UNEP/OzL.Pro/ExCom/23/68
 Annex VI
 Page 27

Project Title	Agency	ODP Tonnes	Funds Recommended (US\$)		C.E. (US\$/kg)
			Project	Support	
Handbook for NOUs reducing reliance on methyl bromide	UNEP		\$100,000	\$13,000	\$113,000
Technical sourcebook of methyl bromide alternatives	UNEP		\$100,000	\$13,000	\$113,000
HALON					
Technical assistance/support					
Provide international halon bank management information clearinghouse services (1998)	UNEP		\$89,000	\$11,570	\$100,570
REFRIGERATION					
Training programme/workshop					
International workshop (Montreal, 8-9 September 1997) on potential for hydrocarbon-based refrigerant as replacements in existing domestic and small commercial refrigeration appliances	Switzerland		\$33,900		\$33,900
Information video: Working safely with hydrocarbons in domestic and small scale commercial refrigeration	Germany		\$322,050		\$322,050
SEVERAL					
Preparation of project proposal					
Advance for project preparation as indicated in the 1998 business plan	UNDP		\$256,000	\$33,280	\$289,280
Advance for project preparation as indicated in the 1998 business plan	IBRD		\$275,600	\$35,828	\$311,428
Information exchange					
Publish the OzonAction newsletter and special supplements	UNEP		\$347,000	\$45,110	\$392,110
Support to national activities (1998)	UNEP		\$30,000	\$3,900	\$33,900
Conduct outreach at conferences and workshops (1998)	UNEP		\$50,000	\$6,500	\$56,500
Translate and print three guidelines and training modules into Arabic, Chinese, French and Spanish	UNEP		\$360,000	\$46,800	\$406,800
Deliver the OzonAction newsletter and other information through World Wide Web home page site	UNEP		\$25,000	\$3,250	\$28,250
Provide direct query-response service (1998)	UNEP		\$80,000	\$10,400	\$90,400
Disseminate awareness materials, technical and policy information	UNEP		\$340,000	\$44,200	\$384,200
Collect prioritized sectoral data from worldwide sources	UNEP		\$112,000	\$14,560	\$126,560
Maintain contact data base of experts and mailing list for OzonAction Programme publications	UNEP		\$42,000	\$5,460	\$47,460

LIST OF PROJECTS AND ACTIVITIES APPROVED FOR FUNDING

UNEP/OzL.Pro/ExCom/23/68
Annex VI Page 28

Project Title	Agency	ODP Tonnes	Funds Recommended (US\$)		C.E. (US\$/kg)
			Project	Support	Total
Document/video/diskette					
Update the OAIC diskette version (1998)	UNEP		\$66,000	\$8,580	\$74,580
Programme administration					
Travel (1998)	UNEP		\$75,000	\$9,750	\$84,750
Advisory and expert group meetings (1998)	UNEP		\$75,000	\$9,750	\$84,750
Total for Global			\$2,778,550	\$314,938	\$3,093,488
GRAND TOTAL:		32,270.1	\$97,025,331	\$11,818,174	\$108,843,505