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EXECUTIVE COMMITTEE  
OF THE MULTILATERAL FUND FOR THE  
IMPLEMENTATION OF THE MONTREAL PROTOCOL  
Seventeenth Meeting of the Sub-Committee on Project Review  
Montreal, 12-13 July 1999

**LIST OF PROJECTS AND ACTIVITIES RECOMMENDED  
FOR BLANKET APPROVAL**

**LIST OF PROJECTS AND ACTIVITIES RECOMMENDED FOR BLANKET APPROVAL**

UNEP/OzL.Pro/ExCom/SCPR/17/2

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Project Title	Agency	ODP Tonnes	Funds Recommended			C.E. (US\$/kg)
			Project	Support	Total	
<b>ALGERIA</b>						
<b>AEROSOL</b>						
<b>Filling plant</b>						
Phase out of CFC-11/CFC-12 by conversion to hydrocarbon technology in the manufacture of aerosols at company Saco	UNIDO	19.0	\$73,691	\$9,580	\$83,271	5.62
Phase out of CFC11/CFC12 by conversion to hydrocarbons technology in the manufacture of aerosols at Floreal	UNIDO	18.1	\$77,145	\$10,029	\$87,174	5.96
<b>FOAM</b>						
<b>Flexible</b>						
Phasing out of CFC-11 by conversion to methylene chloride in the manufacture of flexible polyurethane slabstock foam at Matelas Mondial	UNIDO	20.0	\$97,986	\$12,738	\$110,724	4.95
Phasing out of CFC-11 by conversion to methylene chloride in the manufacture of flexible polyurethane slabstock foam at Orania Mousse Ameublement (OMA)	UNIDO	18.0	\$99,477	\$12,932	\$112,409	5.53
<b>Total for Algeria</b>		<b>75.1</b>	<b>\$348,299</b>	<b>\$45,279</b>	<b>\$393,578</b>	
<b>ARGENTINA</b>						
<b>FOAM</b>						
<b>Rigid</b>						
Phasing out CFC-11 by conversion to HCFC-141b as a blowing agent in the manufacture of rigid P.U. blocks and tank spraying at Polwer S.R.L.	UNIDO	26.8	\$111,641	\$14,513	\$126,154	4.16
<b>REFRIGERATION</b>						
<b>Commercial</b>						
Phaseout of CFC-11 by conversion to HCFC-141b techn.,and of CFC-12 by conversion to HFC-134a in the manufacture of com.ref,display cabinets and polyurethane panels for cold stores at Perito Moreno	UNDP	31.1	\$379,605	\$49,349	\$428,954	12.20
<b>SOLVENT</b>						
<b>TCA</b>						
Replacement of the present 1,1,1-trichloethane (MCF) sheet steel cleaning system on the steel sheet-cutting table with an aqueous-mechanical system in a steel enterprise (Siderar S.A.I.C.)	IBRD	6.7	\$105,147	\$13,669	\$118,816	15.69
<b>Multiple solvents</b>						
Umbrella Project for 9 Enterprises - Conversion from MCF used as solvent to aqua based cleaning at Argelite La Rioja S.A.; CIMCAM S.A.; Grimoldi S.A.; Heliodino S.A.I.C; Integral Metalurgica S.A; Orbis Mertig S.A.I.C.; Trosh S.A. Unisol S.A. & Buffalo S.A	IBRD	7.1	\$272,157	\$35,380	\$307,537	38.50
<b>Total for Argentina</b>		<b>71.7</b>	<b>\$868,550</b>	<b>\$112,912</b>	<b>\$981,462</b>	
<b>BENIN</b>						
<b>SEVERAL</b>						
<b>Institutional strengthening</b>						
Renewal of institutional strengthening, phase II	UNEP		\$33,333	\$4,333	\$37,666	

**LIST OF PROJECTS AND ACTIVITIES RECOMMENDED FOR BLANKET APPROVAL**

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Project Title	Agency	ODP Tonnes	Funds Recommended			C.E. (US\$/kg)
			Project \$33,333	Support \$4,333	Total \$37,666	
<b>BOLIVIA</b>						
<b>FOAM</b>						
<b>Rigid</b>						
Conversion from CFC-11 to HCFC-141b technology in the manufacture of rigid polyurethane foam at Quimica Andina	Belgium	4.5	\$108,480		\$108,480	21.30
<b>Total for Bolivia</b>		<b>4.5</b>	<b>\$108,480</b>		<b>\$108,480</b>	
<b>BRAZIL</b>						
<b>FOAM</b>						
<b>Rigid</b>						
Conversion from CFC-11 to HCFC-141b technology in the manufacture of rigid polyurethane foam at Ananda	UNDP	16.0	\$37,380	\$4,859	\$42,239	2.33
Conversion from CFC-11 to HCFC-141b technology in the manufacture of rigid polyurethane sprayfoam at Isotherm.	UNDP	26.3	\$116,768	\$15,180	\$131,948	4.44
Phaseout of CFC-11 by conversion to HCFC-141b technology in rigid polyurethane foam (spray and pour in place) at SIFC	UNDP	9.5	\$74,385	\$9,670	\$84,055	7.83
<b>Integral skin</b>						
Phaseout of CFC-11 by conversion to water-blown technology in the manufacture of rigid at Moldepol	UNDP	34.8	\$421,444	\$54,788	\$476,232	12.11
<b>Polystyrene/polyethylene</b>						
Phase-out of CFC-12 by conversion to n-butane as a blowing agent in the manufacture of extruded polyethylene foams for thermal insulation and food packaging purposes at Epex Co.	UNIDO	135.0	\$632,391	\$79,563	\$711,954	4.68
<b>Multiple-subsectors</b>						
Phaseout of CFC-11 by conv. to water-blown technology in flexible molded foam, to water and methylene chloride blown technology in semi-rigid packaging foam, and to HCFC-141b in the manufacture of flexible integral skin foams at Espuma Oeste	UNDP	16.9	\$181,616	\$23,610	\$205,226	12.04
<b>REFRIGERATION</b>						
<b>Domestic</b>						
Phase-out of CFC-11 & CFC-12 in the manufacture of domestic refrigerators & freezers by conversion to cyclo-pentane & HCF 134a at Metalurgica Venan Ltda.	UNDP	36.0	\$757,130	\$93,284	\$850,414	13.76
<b>Commercial</b>						
Conversion from CFC-11 to HCFC-141b, and from CFC-12 to HFC-134a and from R-502 to R-402a in the manufacture of commercial refrigeration products at General Icy	UNDP	27.9	\$411,139	\$53,448	\$464,587	14.74
Phasing out CFC-12 with HFC-134a and CFC-11 with HFC-141b at five commercial refrigeration companies (umbrella project)	UNIDO	32.0	\$485,916	\$63,169	\$549,085	15.18

Project Title	Agency	ODP Tonnes	Funds Recommended			C.E. (US\$/kg)
			Project	Support	Total	
Phaseout of CFC-11, CFC-12 and R-502 by conversion to HCFC-141b technology (foam) and HFC-134a and R-404a technology (refrigerant) in the manufacture of milk coolers and display cabinets at Incomar	UNDP	4.9	\$74,529	\$9,689	\$84,218	15.21
<b>Total for Brazil</b>		<b>339.3</b>	<b>\$3,192,698</b>	<b>\$407,260</b>	<b>\$3,599,958</b>	
<b>CAMEROON</b>						
<b>SEVERAL</b>						
<b>Institutional strengthening</b>						
Renewal of institutional strengthening, phase III	UNEP		\$107,000	\$13,910	\$120,910	
<b>Total for Cameroon</b>			<b>\$107,000</b>	<b>\$13,910</b>	<b>\$120,910</b>	
<b>CHINA</b>						
<b>FOAM</b>						
<b>Flexible</b>						
Conversion of PU slabstock manufacture from CFC-11 to liquid carbon dioxide technology in Shandong Tianhua (Group) Plastic Plant	IBRD	85.8	\$534,534	\$68,799	\$603,333	6.23
Conversion of PU slabstock manufacture from CFC-11 to liquid carbon dioxide technology in Longkou Shunfa Foam Plant	IBRD	70.7	\$440,461	\$57,260	\$497,721	6.23
<b>Rigid</b>						
Phaseout of CFC-11 by conversion to HCFC-141b technology in the manufacture of rigid polyurethane insulation foam at Wuhan Commercial Machinery Factory	IBRD	29.3	\$149,195	\$19,395	\$168,590	5.09
Phaseout of CFC-11 by conversion to HCFC-141b technology in the manufacture of rigid polyurethane insulation foam at Jiangsu Taizhou Commercial Machiner General Factory	IBRD	28.3	\$192,890	\$25,076	\$217,966	6.82
Phaseout of CFC-11 by conversion to HCFC-141b technology in the manufacture of rigid polyurethane foam at Guangdong Zhujiang Refrigeration and Air Conditioning Co.	IBRD	87.7	\$581,230	\$73,935	\$655,165	7.75
Phase-out of CFC-11 by conversion to HCFC-141b technology in the manufacture of rigid polyurethane insulation foam at Hengfeng Polyurethane Spray Co. Ltd.	UNDP	154.1	\$1,206,600	\$142,726	\$1,349,326	7.83
Phase-out of CFC-11 by conversion to HCFC-141b technology in the manufacture of rigid polyurethane insulation foam at Jiaxing Anti-Corrosion Factory.	UNDP	19.4	\$151,590	\$19,707	\$171,297	7.83
Phase-out of CFC-11 by conversion to n-pentane technology in the manufacture of rigid polyurethane insulation foam at Suzhou Purification Equipment Factory	UNDP	66.0	\$516,780	\$66,846	\$583,626	7.83
Phase-out of CFC-11 by conversion to HCFC-141b technology in the manufacture of rigid polyurethane insulation foam at Penglai Polyurethane Industry Co.	UNDP	63.5	\$497,200	\$64,636	\$561,836	7.83

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Project Title	Agency	ODP Tonnes	Funds Recommended			C.E. (US\$/kg)
			Project	Support	Total	
Phaseout of CFC-11 by conversion to n-pentane technology in the manufacture of rigid polyurethane foam sandwich panels at Chengde Commercial Machinery Group Co. Ltd.	IBRD	106.0	\$829,980	\$101,298	\$931,278	7.83
Phase-out of CFC-11 in the manufacture of rigid polyurethane foam through the use of water blown technology at Jiangsu Chemical Research Institute	UNDP	32.4	\$253,690	\$32,980	\$286,670	7.83
Phaseout of CFC-11 by conversion to HCFC-141b technology in the manufacture of rigid polyurethane insulation foam at Heilongjiang Commercial Installation Corporation	IBRD	52.6	\$411,858	\$53,542	\$465,400	7.83
<b>Total for China</b>		<b>795.8</b>	<b>\$5,766,008</b>	<b>\$726,199</b>	<b>\$6,492,207</b>	
<b>COLOMBIA</b>						
<b>FOAM</b>						
<b>Rigid</b>						
Elimination of CFC-11 in the manufacture of rigid polyurethane foam through the use of HCFC-141b technology at Rojas Hnos LTDA.	IBRD	8.2	\$64,206	\$8,347	\$72,553	7.83
<b>REFRIGERATION</b>						
<b>Commercial</b>						
Replacement of CFC-11 foam blowing agent with HCFC-141b and CFC-12 refrigerant with HFC-134a in the manufacture of commercial refrigerators and polyurethane sandwich panels at Polares Ltda.	IBRD	4.6	\$58,109	\$7,554	\$65,663	12.52
Replacement of CFC-11 foam blowing agent with HCFC-141b and CFC-12 refrigerant with HFC-134a in the manufacture of commercial refrigerators and polyurethane sandwich panels at Industrias de Supernordico	IBRD	9.7	\$128,381	\$16,690	\$145,071	13.33
<b>Total for Colombia</b>		<b>22.5</b>	<b>\$250,696</b>	<b>\$32,590</b>	<b>\$283,286</b>	
<b>CROATIA</b>						
<b>REFRIGERATION</b>						
<b>Refrigerant management plan</b>						
Refrigerant management plan: phase I: training of trainers in good refrigerant management practices, phase II: national technicians training	UNIDO		\$70,000	\$9,100	\$79,100	
Refrigerant management plan: customs training	UNIDO		\$38,250	\$4,973	\$43,223	
Refrigerant management plan: national recovery and recycling project	UNIDO	15.0	\$289,910	\$37,688	\$327,598	
<b>Total for Croatia</b>		<b>15.0</b>	<b>\$398,160</b>	<b>\$51,761</b>	<b>\$449,921</b>	
<b>ECUADOR</b>						
<b>SEVERAL</b>						
<b>Institutional strengthening</b>						
Renewal of institutional strengthening	IBRD		\$97,300	\$12,649	\$109,949	
<b>Total for Ecuador</b>			<b>\$97,300</b>	<b>\$12,649</b>	<b>\$109,949</b>	

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<b>Project Title</b>	<b>Agency</b>	<b>ODP Tonnes</b>	<b>Funds Recommended</b>			<b>C.E. (US\$/kg)</b>
			<b>Project</b>	<b>Support</b>	<b>Total</b>	
<b>EGYPT</b>						
<b>SOLVENT</b>						
<b>TCA</b>						
Conversion of TCA used for the formulation of degreasing and contact cleaners and crack detectors to new formulations with special hydrocarbons and heavy chlorinated ester at Sien	UNIDO	9.0	\$231,435	\$30,087	\$261,522	25.77
<b>Total for Egypt</b>		<b>9.0</b>	<b>\$231,435</b>	<b>\$30,087</b>	<b>\$261,522</b>	
<b>GUATEMALA</b>						
<b>SEVERAL</b>						
<b>Institutional strengthening</b>						
Renewal of institutional strengthening, phase III	UNEP		\$96,000	\$12,480	\$108,480	
<b>Total for Guatemala</b>			<b>\$96,000</b>	<b>\$12,480</b>	<b>\$108,480</b>	
<b>GUINEA</b>						
<b>SEVERAL</b>						
<b>Institutional strengthening</b>						
Renewal of institutional strengthening: phase II	UNEP		\$33,333	\$4,333	\$37,666	
<b>Total for Guinea</b>			<b>\$33,333</b>	<b>\$4,333</b>	<b>\$37,666</b>	
<b>HONDURAS</b>						
<b>REFRIGERATION</b>						
<b>Refrigerant management plan</b>						
Refrigerant management plan: national recovery and recycling project	UNIDO	14.2	\$245,900	\$31,967	\$277,867	
Refrigerant management plan: customs training	UNIDO		\$38,250	\$4,973	\$43,223	
Refrigerant management plan: phase I: training of trainers in good refrigerant management practices, phase II: national technicians training project	UNIDO		\$70,000	\$9,100	\$79,100	
<b>Total for Honduras</b>		<b>14.2</b>	<b>\$354,150</b>	<b>\$46,040</b>	<b>\$400,190</b>	
<b>INDIA</b>						
<b>AEROSOL</b>						
<b>Contract filler</b>						
Phaseout of CFC by substituting HAPs at Syncaps	UNDP	53.5	\$161,518	\$20,997	\$182,515	3.02
Phaseout of CFC-12 and CTC by substituting with HAPs at Ruby Aerosols	UNDP	22.8	\$45,800	\$5,954	\$51,754	3.82
Phaseout of CFC-12 and CTC at Vimsons Aerosol by substituting HAPs	UNDP	18.2	\$66,500	\$8,645	\$75,145	4.22
<b>FOAM</b>						
<b>Rigid</b>						
Conversion from CFC-11 to CFC-free technology in the manufacture of rigid polyurethane foam chemical systems at Shivathene Linopack	UNDP		\$209,000	\$27,170	\$236,170	

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Project Title	Agency	ODP Tonnes	Funds Recommended			C.E. (US\$/kg)
			Project	Support	Total	
Conversion from CFC-11 to HCFC-141b technology in the manufacture of rigid polyurethane foam insulation at Nav Texfeb P. Ltd.	UNDP	32.4	\$163,982	\$21,318	\$185,300	5.07
Conversion from CFC-11 to HCFC-141b technology in the manufacture of rigid polyurethane foam insulated thermoware at Ashoka Metals	UNDP	12.5	\$68,066	\$8,849	\$76,915	5.46
Conversion from CFC-11 to HCFC-141b technology in the manufacture of rigid polyurethane foam insulation at 28 small and medium-sized enterprises.	UNDP	105.7	\$699,139	\$86,905	\$786,044	6.61
Conversion from CFC-11 to HCFC-141b technology in the manufacture of rigid polyurethane foam insulated thermoware at O.K. Industries	UNDP	10.7	\$66,227	\$8,610	\$74,837	6.69
Conversion from CFC-11 to HCFC-141b technology in the manufacture of rigid polyurethane foam insulated thermoware at Devisons P. Ltd.	UNDP	15.3	\$114,940	\$14,942	\$129,882	7.54
Conversion from CFC-11 to HCFC-141b technology in the manufacture of rigid polyurethane foam insulated thermoware at Varivar Plast Products P.Ltd.	UNDP	12.3	\$96,184	\$12,504	\$108,688	7.83
Conversion from CFC-11 to HCFC-141b technology in the manufacture of rigid polyurethane foam insulation at Supertek International	UNDP	10.6	\$83,202	\$10,816	\$94,018	7.83
Conversion from CFC-11 to HCFC-141b technology in the manufacture of rigid polyurethane foam insulation at Standard Electric Appliances	UNDP	10.0	\$78,136	\$10,158	\$88,294	7.83
Conversion from CFC-11 to HCFC-141b technology in the manufacture of rigid polyurethane foam insulated thermoware at N.D. Plastics	UNDP	12.9	\$101,289	\$13,168	\$114,457	7.83
<b>Integral skin</b>						
Conversion from CFC-11 to HCFC-141b technology in the manufacture of integral skin polyurethane foam at Primrose Multiplast P. Ltd.	UNDP	9.6	\$117,105	\$15,224	\$132,329	12.16
<b>HALON</b>						
<b>Extinguisher</b>						
Conversion of halon 1211 fire extinguisher production to ABC powder and CO2 units together with the use of recycled halon 1301 in lieu of virgin product at Standard Castings Pvt. Ltd. New Delhi, under the name of Pyrosafety	UNDP	64.1	\$92,000	\$11,960	\$103,960	1.44
Conversion of halon 1211 fire extinguisher production to ABC powder and CO2 units at Bharat Engineering Works, Mumbai	UNDP	49.5	\$73,260	\$9,524	\$82,784	1.48
Conversion of halon 2111 fire extinguisher production to ABC powder and CO2 units at Zenith Fire Services, Mumbai	UNDP	36.0	\$53,280	\$6,926	\$60,206	1.48
Extinguisher production and elimination of its consumption of virgin halon 1301 at New Fire Engineers Pvt. Ltd. Mumbai	UNDP	120.0	\$130,000	\$16,900	\$146,900	1.48

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Project Title	Agency	ODP Tonnes	Funds Recommended			C.E. (US\$/kg)
			Project	Support	Total	
Conversion of halon 1211 fire extinguisher production to ABC powder and CO2 units at M/s Kooverji Devshi & Co. Pvt. Ltd., Mumbai	UNDP	25.5	\$37,740	\$4,906	\$42,646	1.48
Conversion of halon 1211 fire extinguisher production to ABC powder and CO2 units at Cascade Counsel Ltd. New Delhi	UNDP	54.0	\$79,920	\$10,390	\$90,310	1.48
<b>SOLVENT</b>						
<b>CFC-113</b>						
Conversion of cleaning and coating processes based on CFC-113 and CTC to processes based on IPA at Vidyut Metallica Ltd. (VML)	UNIDO	19.7	\$225,452	\$29,309	\$254,761	11.45
Conversion of cleaning and coating processes based on CFC-113 to IPA and xylene at Microraj Electronics PVT Ltd. & RCC (Sales) PVT Ltd., Hyderabad (MRJ)	UNIDO	4.3	\$85,431	\$11,106	\$96,537	19.73
<b>Multiple solvents</b>						
Conversion of cleaning processes from TCA and CTC to non-ODS solvent cleaning technologies (trichloroethylene and alkozypropanol) at Videocon Group (VDC)	UNIDO	7.2	\$234,978	\$30,547	\$265,525	32.64
<b>Total for India</b>		<b>706.8</b>	<b>\$3,083,149</b>	<b>\$396,827</b>	<b>\$3,479,976</b>	
<b>IRAN</b>						
<b>FOAM</b>						
<b>Flexible</b>						
Phasing out ODS in manufacturing of flexible PU slabstock foam through the use of liquid CO2 blowing technology at Bahman Plastic Co.	UNIDO	83.0	\$485,929	\$63,171	\$549,100	5.80
<b>HALON</b>						
<b>Banking</b>						
Halon management program	France		\$511,175		\$511,175	
<b>REFRIGERATION</b>						
<b>Commercial</b>						
Conversion from CFC-11 to HCFC-141b and CFC-12 to HFC-134a technology in the manufacture of domestic and commercial refrigeration at the Sherkate Sanayee Emerson (Emerson Co).	UNIDO	45.8	\$343,873	\$44,703	\$388,576	7.20
Phasing out of CFC-11 by conversion to HCFC-141b and CFC-12 to HFC-134a in manufacture of commercial refrigeration at the second group of Iranian Commercial Refrigerator Manufacturers	UNIDO	42.5	\$309,966	\$40,296	\$350,262	7.29
Conversion from CFC-11 to HCFC-141b and from CFC-12 to HFC-134a technology in the manufacture of commercial refrigeration equipment at Movaledsarma Co. (Zagross 1)	UNDP	77.6	\$816,698	\$99,837	\$916,535	10.53
Conversion from CFC-11 to HCFC-141b technology and from CFC-12 to HFC-134a technology in the manufacture of commercial refrigeration equipment at Foroughmanesh Co.	UNDP	35.8	\$399,803	\$51,974	\$451,777	11.17



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Project Title	Agency	ODP Tonnes	Funds Recommended			C.E. (US\$/kg)
			Project	Support	Total	
Conversion from CFC-11 to HCFC-141b and CFC-12 to HFC-134a technology in the manufacture of domestic and commercial refrigeration at the Sherkate Broudati Ghandil Iran (Ghandil Co.)	UNIDO	27.5	\$335,423	\$43,605	\$379,028	12.21
Conversion from CFC-11 to HCFC-141b and from CFC-12 to HFC-134a technology in the manufacture of commercial refrigeration equipment at Behsarma Co.	UNDP	34.5	\$455,593	\$59,227	\$514,820	13.19
Conversion from CFC-11 to HCFC-141b technology and from CFC-12 to HFC-134a technology in the manufacture of commercial refrigeration equipment at Tahviah Garm va Sard Co.	UNDP	20.5	\$278,659	\$36,226	\$314,885	13.59
<b>Total for Iran</b>		<b>367.1</b>	<b>\$3,937,119</b>	<b>\$439,039</b>	<b>\$4,376,158</b>	
<b>JORDAN</b>						
<b>REFRIGERATION</b>						
<b>Commercial</b>						
Phasing out of CFC-11 by conversion to HCFC-141b and CFC-12 to HFC-134a in manufacture of commercial refrigeration equipment at the Third Group of Jordanian Commercial Refrigerator Manufacturers	UNIDO	26.5	\$243,764	\$31,689	\$275,453	9.20
Phasing out of CFC-11 by conversion to HCFC-141b and CFC-12 to HFC-134a in manufacture of commercial refrigeration equipment at the second group of Jordanian Commercial Refrigerator Manufacturers	UNIDO	25.8	\$278,950	\$36,264	\$315,214	10.80
<b>Refrigerant management plan</b>						
Refrigerant management plan: phase I: training of trainers in good refrigerant management practices, phase II: national technicians training project	UNIDO		\$70,000	\$9,100	\$79,100	
Refrigerant management plan: national recovery and recycling project	UNIDO	19.1	\$311,950	\$40,554	\$352,504	
Refrigerant management plan: technical assistance and support to develop regulations for ODS to implement the Environment law of 1995	UNIDO		\$20,000	\$2,600	\$22,600	
Refrigerant management plan: customs training	UNIDO		\$38,250	\$4,973	\$43,223	
<b>SEVERAL</b>						
<b>Institutional strengthening</b>						
Renewal of institutional strengthening	IBRD		\$113,333	\$14,733	\$128,066	
<b>Total for Jordan</b>		<b>71.4</b>	<b>\$1,076,247</b>	<b>\$139,912</b>	<b>\$1,216,159</b>	
<b>KENYA</b>						
<b>REFRIGERATION</b>						
<b>Recovery/recycling</b>						
Recovery and recycling project	Germany		\$98,725		\$98,725	
<b>Total for Kenya</b>			<b>\$98,725</b>		<b>\$98,725</b>	

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Project Title	Agency	ODP Tonnes	Funds Recommended			C.E. (US\$/kg)
			Project	Support	Total	
<b>KOREA, DPR</b>						
<b>SOLVENT</b>						
<b>CTC</b>						
Conversion of metal cleaning processes from CTC solvent to TCE vapour degreasing at Ceramic Tools Factory (CTF)	UNIDO	19.8	\$206,657	\$26,865	\$233,522	10.44
<b>Total for Korea, DPR</b>		<b>19.8</b>	<b>\$206,657</b>	<b>\$26,865</b>	<b>\$233,522</b>	
<b>LEBANON</b>						
<b>AEROSOL</b>						
<b>Contract filler</b>						
Conversion to CFC-free technology in the manufacture of aerosols at Societe Nougeaim P.M.O.S.A.L.	UNDP	54.0	\$147,333	\$19,153	\$166,486	3.54
Conversion to CFC-free technology in the manufacture of aerosol at International Cosmetic Manufacturing Co. (Incoma). S.A.L.	UNDP	53.6	\$158,582	\$20,616	\$179,198	3.78
<b>REFRIGERATION</b>						
<b>Preparation of project proposal</b>						
Remaining issues for a RMP and preparation of strategy and projects for reduction of CFC emissions in centrifugal chillers	France		\$45,750		\$45,750	
Remaining issues for a RMP and preparation of strategy and projects for reduction of CFC emissions in centrifugal chillers	Germany		\$37,550		\$37,550	
<b>Total for Lebanon</b>		<b>107.6</b>	<b>\$389,215</b>	<b>\$39,769</b>	<b>\$428,984</b>	
<b>MACEDONIA</b>						
<b>REFRIGERATION</b>						
<b>Refrigerant management plan</b>						
Refrigerant management plan: recovery and recycling	UNIDO	13.5	\$220,044	\$28,606	\$248,650	
Refrigerant management plan: training of customs officers	UNIDO		\$37,180	\$4,833	\$42,013	
Refrigerant management plan: training for good practices in refrigeration	UNIDO		\$70,000	\$9,100	\$79,100	
<b>Total for Macedonia</b>		<b>13.5</b>	<b>\$327,224</b>	<b>\$42,539</b>	<b>\$369,763</b>	
<b>MALAYSIA</b>						
<b>FOAM</b>						
<b>Rigid</b>						
Retroactive project for phasing-out ODS consumption in the manufacture of cold room panels by conversion to HCFC-141b at FMCP Sdn. Bhd.	UNDP	12.2	\$45,557	\$5,922	\$51,479	3.74
Phase-out of CFC-11 in the manufacture of cold room panels and insulation slabs by conversion to HCFC-141b at PKL Insulation.	UNDP	8.1	\$57,019	\$7,412	\$64,431	7.02
Phase out of CFC-11 consumption by conversion to HCFC-141b at Perniagaan Hower in the manufacture of sandwich panels	UNIDO	5.3	\$41,499	\$5,395	\$46,894	7.83

Project Title	Agency	ODP Tonnes	Funds Recommended			C.E. (US\$/kg)
			Project	Support	Total	
Conversion from CFC-11 to HCFC-141b technology in the manufacture of rigid polyurethane foam (spray and blocks) at Polyedge Trading	UNDP	10.3	\$80,650	\$10,485	\$91,135	7.83
Phase-out CFC-11 consumption at Chong Brother Group of Companies	UNIDO	27.6	\$216,108	\$28,094	\$244,202	7.83
Phase-out of CFC-11 by conversion to HCFC-141b technology at Automated Plastics System Sdn. Bhd. In the manufacture of insulated fishing boxes	UNIDO	5.2	\$40,716	\$5,293	\$46,009	7.83
Phase-out of CFC-11 and R502 consumption at Thermo Cooling Engineering SDN. BHD.	UNDP	6.0	\$46,502	\$6,045	\$52,547	7.83
<b>Total for Malaysia</b>		<b>74.7</b>	<b>\$528,051</b>	<b>\$68,647</b>	<b>\$596,698</b>	
<b>MONGOLIA</b>						
<b>SEVERAL</b>						
<b>Institutional strengthening</b>						
Institutional strengthening	UNEP		\$66,000	\$8,580	\$74,580	
<b>Total for Mongolia</b>			<b>\$66,000</b>	<b>\$8,580</b>	<b>\$74,580</b>	
<b>NEPAL</b>						
<b>REFRIGERATION</b>						
<b>Refrigerant management plan</b>						
Monitoring activities included in the Refrigerant Management Plan (RMP)	UNDP		\$8,894	\$1,156	\$10,050	
Refrigerant management plan: training of trainers in refrigeration	UNEP		\$70,000	\$9,100	\$79,100	
Refrigerant management plan: training in monitoring and control of CFC and establishment of import/export licensing system	UNEP		\$44,400	\$5,772	\$50,172	
Refrigerant management plan: policy development and related information dissemination	UNEP		\$6,000	\$780	\$6,780	
National Programme for Recovery and Recycling of Refrigerants	UNDP	6.0	\$88,577	\$11,515	\$100,092	
<b>Total for Nepal</b>		<b>6.0</b>	<b>\$217,871</b>	<b>\$28,323</b>	<b>\$246,194</b>	
<b>NIGERIA</b>						
<b>FOAM</b>						
<b>Flexible</b>						
Phaseout of CFC-11 by conversion to methylene chloride in the manufacture of flexible polyurethane foam (slabstock) at Diamond Foam Nigeria Ltd.	UNDP	22.7	\$112,150	\$14,580	\$126,730	4.94
Phaseout of CFC-11 by conversion to methylene chloride in the manufacture of flexible polyurethane foam (slabstock) at United Foam Products Nig. Ltd.	UNDP	25.0	\$137,310	\$17,850	\$155,160	5.49
Phaseout of CFC-11 by conversion to liquid carbon dioxide blown technology in the manufacture of molded flexible polyurethane foam at Automotive Component Industries Ltd.	UNDP	37.0	\$204,761	\$26,619	\$231,380	5.53

Project Title	Agency	ODP Tonnes	Funds Recommended			C.E. (US\$/kg)
			Project	Support	Total	
Phaseout of CFC-11 by conversion to methylene chloride in the manufacture of flexible polyurethane foam (slabstock) at Tinuola Bay Industries Nig. Ltd.	UNDP	21.0	\$119,410	\$15,523	\$134,933	5.69
<b>REFRIGERATION</b>						
<b>Domestic</b>						
Replacement of refrigerant CFC-12 with HFC-134a and foam blowing agent CFC-11 with HCFC-141b in the manufacture of domestic refrigeration at United Technologies Ltd.	UNIDO	9.6	\$130,579	\$16,975	\$147,554	13.60
Replacement of refrigerant CFC-12 with HFC-134a and foam blowing agent CFC-11 with HCFC-141b in the manufacture of domestic refrigeration at Onward Electrical Industry Ltd.	UNIDO	10.7	\$146,927	\$19,101	\$166,028	13.74
Replacement of refrigerant CFC-12 with HFC-134a and foam blowing agent CFC-11 with HCFC-141b in the manufacture of domestic refrigeration at Soesons Ltd.	UNIDO	16.1	\$221,353	\$28,776	\$250,129	13.75
<b>Total for Nigeria</b>		<b>142.1</b>	<b>\$1,072,490</b>	<b>\$139,424</b>	<b>\$1,211,914</b>	
<b>PHILIPPINES</b>						
<b>SEVERAL</b>						
<b>Institutional strengthening</b>						
Renewal of institutional strengthening	IBRD		\$139,333	\$18,113	\$157,446	
<b>Total for Philippines</b>			<b>\$139,333</b>	<b>\$18,113</b>	<b>\$157,446</b>	
<b>ROMANIA</b>						
<b>REFRIGERATION</b>						
<b>Refrigerant management plan</b>						
Refrigerant management plan: training of custom officers and development criteria for ODS and ODS consuming equipment imports	UNIDO		\$23,100	\$3,003	\$26,103	
Refrigerant management plan: recovery and recycling	UNIDO	50.0	\$373,840	\$48,599	\$422,439	
Refrigerant management plan: training for good practices in refrigeration	UNIDO		\$70,000	\$9,100	\$79,100	
<b>Total for Romania</b>		<b>50.0</b>	<b>\$466,940</b>	<b>\$60,702</b>	<b>\$527,642</b>	
<b>SUDAN</b>						
<b>AEROSOL</b>						
<b>Filling plant</b>						
Phasing out of CFCs at Tag Cosmetics Ltd.	UNIDO	45.1	\$131,718	\$17,123	\$148,841	3.96
<b>REFRIGERATION</b>						
<b>Refrigerant management plan</b>						
Refrigerant management plan: training of customs officers and development criteria for ODS and ODS consuming equipment imports	UNIDO		\$38,250	\$4,973	\$43,223	
Refrigerant management plan: recovery and recycling	UNIDO	50.0	\$350,000	\$45,500	\$395,500	
Refrigerant management plan: training for good practices in refrigeration	UNIDO		\$70,000	\$9,100	\$79,100	

**LIST OF PROJECTS AND ACTIVITIES RECOMMENDED FOR BLANKET APPROVAL**

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Project Title	Agency	ODP Tonnes	Funds Recommended			C.E. (US\$/kg)
			Project	Support	Total	
<b>SEVERAL</b>						
<b>Institutional strengthening</b>						
Renewal of institutional strengthening, phase II	UNEP		\$112,200	\$14,586	\$126,786	
	<b>Total for Sudan</b>	<b>95.1</b>	<b>\$702,168</b>	<b>\$91,282</b>	<b>\$793,450</b>	
<b>SYRIA</b>						
<b>REFRIGERATION</b>						
<b>Domestic</b>						
Conversion from CFC-11 to HCFC-141b and CFC-12 to HFC-134a in the production of refrigerators and freezers at Golden Penguin Co.	UNIDO	18.4	\$247,481	\$32,173	\$279,654	13.45
Conversion from CFC-11 to HCFC-141b and CFC-12 to HFC-134A in the production of refrigerators and freezers at Alaman Co.	UNIDO	15.9	\$215,910	\$28,068	\$243,978	13.58
<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-Ihsan Co.	UNDP	37.5	\$497,250	\$64,643	\$561,893	13.27
	<b>Total for Syria</b>	<b>71.8</b>	<b>\$960,641</b>	<b>\$124,883</b>	<b>\$1,085,524</b>	
<b>THAILAND</b>						
<b>FOAM</b>						
<b>Flexible</b>						
Conversion from CFC-11 to low index additive (LIA) technology in the manufacture of flexible polyurethane foam at P.T. Foam Chiangmai L.P.	UNDP	12.7	\$79,120	\$10,286	\$89,406	6.23
<b>Rigid</b>						
Conversion to HCFC-141b technology in the manufacture of commercial refrigerator and display cabinets at Makassan Metal Works	IBRD	9.3	\$72,819	\$9,466	\$82,285	7.83
Conversion from CFC-11 to HCFC-141b technology in the manufacture of commercial refrigeration equipment at Arco Industry Co., Ltd	IBRD	16.8	\$131,544	\$17,101	\$148,645	7.83
Conversion from CFC-11 to water-based technology in the manufacture of rigid polyurethane foam at Thai Steel Door L.P.	UNDP	10.0	\$78,300	\$10,179	\$88,479	7.83
	<b>Total for Thailand</b>	<b>48.8</b>	<b>\$361,783</b>	<b>\$47,032</b>	<b>\$408,815</b>	
<b>TUNISIA</b>						
<b>AEROSOL</b>						
<b>Filling plant</b>						
Phasing out of CFCs at Laboratoires Parcos	UNIDO	29.8	\$76,127	\$9,897	\$86,024	3.96
	<b>Total for Tunisia</b>	<b>29.8</b>	<b>\$76,127</b>	<b>\$9,897</b>	<b>\$86,024</b>	
<b>TURKEY</b>						
<b>FOAM</b>						
<b>Flexible</b>						
Conversion from CFC-11 into low index additive (LIA) technology for flexible slabstock foam at Elta	IBRD	21.3	\$130,597	\$16,978	\$147,575	6.13

## LIST OF PROJECTS AND ACTIVITIES RECOMMENDED FOR BLANKET APPROVAL

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Project Title	Agency	ODP Tonnes	Funds Recommended			C.E. (US\$/kg)
			Project	Support	Total	
<b>Rigid</b>						
Phasing out of CFC-11 by conversion to HCFC-141b in the manufacture of rigid polyurethane panels for thermal insulation for cold rooms and cold storages at Izotek	UNIDO	74.8	\$430,721	\$55,994	\$486,715	5.75
	<b>Total for Turkey</b>	<b>96.1</b>	<b>\$561,318</b>	<b>\$72,971</b>	<b>\$634,289</b>	
<b>VENEZUELA</b>						
<b>FOAM</b>						
<b>Polystyrene/polyethylene</b>						
Phasing out CFC-12 at Fandec C.A. (EPSR Foam)	UNIDO	45.0	\$290,481	\$37,763	\$328,244	6.46
	<b>Total for Venezuela</b>	<b>45.0</b>	<b>\$290,481</b>	<b>\$37,763</b>	<b>\$328,244</b>	
<b>VIETNAM</b>						
<b>SEVERAL</b>						
<b>Institutional strengthening</b>						
Renewal of institutional strengthening, phase II	UNEP		\$91,520	\$11,898	\$103,418	
	<b>Total for Vietnam</b>		<b>\$91,520</b>	<b>\$11,898</b>	<b>\$103,418</b>	
<b>ZIMBABWE</b>						
<b>SEVERAL</b>						
<b>Institutional strengthening</b>						
Renewal of institutional strengthening, phase II	UNEP		\$114,033	\$14,824	\$128,857	
	<b>Total for Zimbabwe</b>		<b>\$114,033</b>	<b>\$14,824</b>	<b>\$128,857</b>	
<b>REGION: ASP</b>						
<b>HALON</b>						
<b>Banking</b>						
Survey for halon banking management plan in West Asia Germany			\$17,500		\$17,500	
Survey for halon banking management plan in West Asia France			\$17,500		\$17,500	
	<b>Total for Region: ASP</b>		<b>\$35,000</b>		<b>\$35,000</b>	
<b>REGION: EUR</b>						
<b>OTHER</b>						
<b>Technical assistance/support</b>						
Promoting compliance with the Montreal Protocol in countries with economies in transition (Croatia and Romania)	Germany		\$67,800		\$67,800	
	<b>Total for Region: EUR</b>		<b>\$67,800</b>		<b>\$67,800</b>	
	<b>TOTAL:</b>	<b>3,292.7</b>	<b>\$26,755,33</b>	<b>\$3,319,121</b>	<b>\$30,074,455</b>	