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EXECUTIVE COMMITTEE OF THE MULTILATERAL FUND FOR THE IMPLEMENTATION OF THE MONTREAL PROTOCOL Twenty-fourth Meeting of the Sub-Committee on Project Review Montreal, 3-4 December 2001

LIST OF PROJECTS AND ACTIVITIES RECOMMENDED FOR BLANKET APPROVAL

List of projects and activities recomm	ended for bla	anket app	roval	UNEP/OzL.	Pro/ExCom/SCF	PR/24/2
Project Title	Agency	ODP (tonnes)	Funds Project	Approved (US Support	Page 1 5\$) Total (U	C.E.
ALBANIA SEVERAL Institutional strengthening Institutional strengthening and capacity building. Establishment of ozone unit	UNEP	(toliks)	\$42,000	\$5,460	\$47,460	,04/ K g)
	otal for Albania		\$42,000	\$5,460	\$47,460	
ALGERIA HALON Banking			φ 12,000	φ2,100	<i><i>ψ</i>111100</i>	
Sectoral phase out program: establishing a halon bank	Germany	195.0	\$259,500	\$33,735	\$293,235	1.30
BANGLADESH	Sotal for Algeria	195.0	\$259,500	\$33,735	\$293,235	
SEVERAL Institutional strengthening Extension of the institutional strengthening project: pha	se III UNDP		\$100,000	\$13,000	\$113,000	
Total	for Bangladesh		\$100,000	\$13,000	\$113,000	
BOLIVIA FOAM	Tor Dangiadesii		\$100,000	\$13,000	\$115,000	
Multiple-subsectors Foam sector ODS phaseout	UNDP	4.9	\$161,211	\$20,957	\$182,168	20.55
-	Fotal for Bolivia	4.9	\$161,211	\$20,957	\$182,168	
BOSNIA AND HERZEGOVINA FOAM Flexible slabstock		т.у	ΨΙΟΊ,2ΙΙ	φ ω (9,5,5,7	\$102,100	
Conversion from CFC-11 to methylene chloride in the production of flexible slabstock foam at Inga Co. REFRIGERATION	UNIDO	21.0	\$101,950	\$13,254	\$115,204	5.50
Domestic Replacement of refrigerant CFC-12 with HFC-134a and blowing agent CFC-11 with cyclopentane in the manufa- of commercial refrigeration equipment at Bira, Bihac		29.0	\$536,956	\$69,065	\$606,021	12.05
Commercial Replacement of refrigerants CFC-12 and R-502 with HF 9.18 and R-404A, and foam blowing agent CFC-11 with	EC-134a	UNIDO	17.4	\$159,707	\$20,762\$	180,469
HCFC-141b in the manufacture of commercial refrigerate equipment and cold refrigeration chambers at Soko	tion					
Total for Bosnia a	nd Herzegovina	67.4	\$798,613	\$103,081	\$901,694	
BRAZIL REFRIGERATION Multiple-subsectors Umbrella project for two enterprises converting from CF	FC-11 UNIDO	11.2	\$108,050	\$14,047	\$122,097	9.64
to HCFC-141b and from CFC-12 to HFC-134a at Argi a Hornburg		11.2	<i>\</i>	φ1 1 ,0 17	<i><i><i><i><i><i><i><i><i><i><i></i></i></i></i></i></i></i></i></i></i></i>	2.01
-	Total for Brazil	11.2	\$108,050	\$14,047	\$122,097	

List of projects and activities recommended for blanket approval UNEP/OzL.						PR/24/2
Project Title	Agency	ODP (tonnes)	Funds Project	Approved (U Support	Page 2 (S\$) Total (U	C.E.
BURUNDI AEROSOL Filling plant Phase-out of CFC-11/12 mixture in the manufacture of	UNDP	(tonnies) 8.8	\$128,900	\$16,757	\$145,657	S∳/K <u></u> g)
insecticides by conversion to hydrocarbon propellant at FadiS.A. (Fabrication d'insecticide et de product chimique)FOAMFlexible slabstock						
Phasing out of CFC-11 in the manufacture of flexible slabstock foam at Exim SA by conversion to methylene chloride	UNDP	26.3	\$78,262	\$10,174	\$88,436	2.98
	for Burundi	35.0	\$207,162	\$26,931	\$234,093	
CAMBODIA SEVERAL Technical assistance/support						
Formulation of national phase out strategy	UNEP		\$60,000	\$7,800	\$67,800	
CAPE VERDE SEVERAL	r Cambodia		\$60,000	\$7,800	\$67,800	
Technical assistance/support Formulation of national phase out strategy	UNEP		\$40,000	\$5,200	\$45,200	
Total for	Cape Verde		\$40,000	\$5,200	\$45,200	
CHILE REFRIGERATION						
Refrigerant management plan						
Implementation of the RMP: users and public awareness	UNEP		\$172,000	\$22,360	\$194,360	
Implementation of the RMP: enabling a control and regulatory network	UNEP		\$111,400	\$14,482	\$125,882	
Implementation of the RMP: training programme for technicians and establishment of refrigeration standards	Canada		\$260,000	\$33,800	\$293,800	
Implementation of the RMP: monitoring, evaluation and reporting	UNEP		\$52,000	\$6,760	\$58,760	
Implementation of the RMP: recovery and recycling program	n Canada	40.0	\$531,620	\$53,162	\$584,782	
STERILANTS						
Ethylene oxide Terminal conversion of ethylene oxide/CFC 12 mixtures to alternative non ozone depleting technologies in 26 hospitals	UNDP	19.8	\$412,741	\$53,656	\$466,397	20.88
Tot	al for Chile	59.8	\$1,539,761	\$184,220	\$1,723,981	
CHINA FOAM Polystyrene/polyethylene						
Phase out of CFC-12 in the manufacturing of extruded polystyrene (EPS) 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 recommend	led for bla	nket app	oroval	UNEP/Oz	L.Pro/ExCom/SC Page 3	PR/24/2
Project Title	Agency	ODP (tonnes)	Funds Project	Approved (U Support		C.E. US\$/kg)
HALON			U			0,
General The halon sector 2002 annual programme: release of the fifth tranche	ı IBRD	16,131.0	\$3,700,000	\$370,000	\$4,070,000	
REFRIGERATION						
Domestic Conversion of the use of CFC to HC in the manufacture of thermostats at Foshan Tongbao Co., Ltd.	Germany	11.5	\$213,271	\$27,725	\$240,996	18.58
•	l for China	16,501.5	\$6,363,394	\$677,239	\$7,040,633	
COLOMBIA						
REFRIGERATION Training programme/workshop						
Training for customs officers	Canada		\$106,150	\$13,799	\$119,949	
Total fo	r Colombia		\$106,150	\$13,799	\$119,949	
COMOROS			- /			
REFRIGERATION Refrigerant management plan						
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: train the trainer and training of refrigeration technicians	UNEP		\$51,000	\$6,630	\$57,630	
Implementation of the RMP: assessment of end users	UNEP		\$30,000	\$3,900	\$33,900	
Total fo	or Comoros		\$138,000	\$17,940	\$155,940	
CONGO, DR FOAM			. ,	. ,	. ,	
Flexible slabstock Phasing out of CFC-11 in the manufacture of flexible slabstock foam at Complast SPRL by conversion to methylene chloride	UNDP	38.0	\$190,820	\$24,807	\$215,627	5.02
Phasing out of CFC-11 in the manufacture of flexible slastoch foam at M.K. SPRL by conversion to methylene chloride	k UNDP	26.0	\$149,800	\$19,474	\$169,274	5.76
Total for	Congo, DR	64.0	\$340,620	\$44,281	\$384,901	
COSTA RICA	Conso, Dix	0 1 0	<i>₩₩</i> ₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩	Ψ ΤΤ9Μ ΟΙ	φ υυ 1 9701	
SEVERAL Institutional strengthening						
Renewal of institutional strengthening project	UNDP		\$108,087	\$14,051	\$122,138	
Total for	Costa Rica		\$108,087	\$14,051	\$122,138	
GEORGIA	Usia Nica		φ100 ,00 7	φ 14, 031	φ122,130	
REFRIGERATION						
Refrigerant management plan Implementation of the RMP: Training programme in the refrigeration sector (phase III)	UNEP		\$20,000	\$2,600	\$22,600	
Implementation of the RMP: monitoring the activities in the RMP	UNDP		\$16,350	\$2,126	\$18,476	

List of projects and activities recommend	led for bla	nket app	oroval	UNEP/Oz	L.Pro/ExCom/SCF Page 4	PR/24/2
Project Title	Agency	ODP (tonnes)	Funds Project	Approved (Support	•	C.E.
Implementation of the RMP: incentive programme for the end-users in the commercial/industrial refrigeration and refrigerated transport sub-sectors	UNDP	(tonnes) 1.5	\$101,000	\$13,130	\$114,130	20.20
Total # GUATEMALA	for Georgia	1.5	\$137,350	\$17,856	\$155,206	
REFRIGERATION						
Refrigerant management plan Implementation of the RMP: establishment and enforcement of legislation	UNEP		\$62,000	\$8,060	\$70,060	
Training programme/workshop	UNED		\$21,900	¢1 121	\$25.024	
Implementation of the RMP: monitoring	UNEP		\$31,800	\$4,134	\$35,934	
Implementation of the RMP: customs training	UNEP		\$56,000	\$7,280	\$63,280	
Technical assistance/support						
Implementation of the RMP: establishment of licensing system	UNEP		\$23,200	\$3,016	\$26,216	
Implementation of the RMP: alternatives to CFC-12 plan	UNEP		\$58,000	\$7,540	\$65,540	
SEVERAL						
Institutional strengthening			¢0,< 000	¢1 2 490	¢100.400	
Extension of institutional strengthening project	UNEP		\$96,000	\$12,480	\$108,480	
Total for GUYANA	Guatemala		\$327,000	\$42,510	\$369,510	
GUTANA REFRIGERATION						
Refrigerant management plan Implementation of the RMP: assistance with implementation	UNFP		\$65,500	\$8,515	\$74,015	
of activities			ψ05,500	ψ0,515	ψ/4,015	
	for Guyana		\$65,500	\$8,515	\$74,015	
INDIA REFRIGERATION						
Domestic/commercial		12.4	¢157 205	\$20.450	¢177 755	12.72
Conversion from CFC-11 to HCFC-141b technology and from CFC-12 to HFC-134a technology in the manufacture of	III UNDP	12.4	\$157,305	\$20,450	\$177,755	12.72
commercial refrigeration equipment at Ice-Make Refrigeration	n					
Conversion from CFC-11 to HCFC-141b and from CFC-12 t	o UNDP	56.5	\$726,448	\$89,909	\$816,357	12.85
HFC-134a technology in the manufacture of commercial						
refrigeration equipment at nine enterprises Conversion from CFC-11 to HCFC-141b technology and from	m UNDP	13.1	\$182,684	\$23,749	\$206,433	13.98
CFC-12 to HFC-134a technology in the manufacture of		13.1	\$102,004	Φ23,749	φ200,433	15.90
commercial refrigeration equipment at Konark Refrigeration Appliances P. Ltd.						
Conversion from CFC-11 to HCFC-141b and from CFC-12 t	o UNDP	68.0	\$960,097	\$115,611	\$1,075,708	15.21
HFC-134a technology in the manufacture of commercial				. , , -	. , ,	·
refrigeration equipment at fourteen enterprises Tot	al for India	150.0	\$2,026,534	\$249,719	\$2,276,253	
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List of projects and activities recommend	ed for bla	nket app	oroval	UNEP/OzL.Pro	o/ExCom/SCI Page 5	PR/24/2
Project Title	Agency	ODP (tonnes)	Funds Project	Approved (US\$) Support	-	C.E.
INDONESIA FOAM Rigid		(tonnes)	Tioject	Support	Total (C	J34/Kg)
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.	IBRD)	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 & Metal Industry	IBRD	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	IBRD	11.3	\$88,479	\$11,502	\$99,981	8.53
Integral skin 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	IBRD	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
REFRIGERATION Domestic						
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	n UNDP	11.2	\$153,768	\$19,990	\$173,758	13.76
Commercial 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	n 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	n 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 Hatindo Metal Utama	n UNDP	9.6	\$145,894	\$18,966	\$164,860	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 Alfa Metalindo Agra	n 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		15.5	\$221,049	\$28,736	\$249,785	15.21
Total for IRAN	r Indonesia	171.2	\$1,578,645	\$205,224 \$	1,783,869	
FOAM						
Integral skin 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

List of projects and activities recommended for blanket approval

List of projects and activities recommend	UNEP/OzL.Pro	o/ExCom/SC Page 6	PR/24/2			
Project Title	Agency	ODP (tonnes)	Funds Project	Approved (US\$) Support		C.E. US\$/kg)
Preparation of project proposal Project preparation for the phase out of ODS use in the flexible foam sub-sector in 5 companies REFRIGERATION Domestic	Germany		\$23,750	\$3,088	\$26,838	
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 & Industrial Co.	m 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 domestic refrigeration equipment at the Ariz Pooyaye Sanat, Iran (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	n UNDP	23.9	\$283,948	\$36,913	\$320,861	11.90
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	m UNDP	17.9	\$215,052	\$27,957	\$243,009	12.03
Conversion from CFC-11 to HCFC-141b and CFC-12 to HFC-134a technology in the manufacture of domestic refrigeration equipment at the Yaghoubali Bazdid Vahdati, Iran (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.	m 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 the Borna Sanat Arak	UNIDO	8.0	\$108,238	\$14,071	\$122,309	13.52
Commercial 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 Sardsazi Industrial Co.		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 Mehran Sard Co.		17.7	\$144,715	\$18,813	\$163,528	8.20
Conversion from CFC-11 to HCFC-141b and CFC-12 to HFC-134a technology in the manufacture of commercial refrigeration equipment at the 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 domestic and commercial refrigeration equipment at Ghotb Jonoub Industrial Group	n 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 commercial refrigeration equipment at the 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 the Abbaspour Company, Iran	UNIDO	9.7	\$144,206	\$18,747	\$162,953	14.83

List of projects and activities recommended for blanket approval UNEP/OzL.Pr						PR/24/2
Project Title	Agency	ODP		Approved (U		C.E.
Conversion from CFC-11 to HCFC-141b and CFC-12 to HFC-134a technology in the manufacture of commecial refrigeration equipment at the Sard Va Garm Iran	UNIDO	(tonnes) 8.4	Project \$125,350	Support \$16,296	Total (0 \$141,646	J S\$/kg) 14.95
Conversion from CFC-11 to HCFC-141b and CFC-12 to HFC-134a technology in the manufacture of commercial refrigeration equipment at the Darvish Mohamad Nazari company, Iran (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, Iran (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 Abdolrezazate Co.		7.7	\$116,646	\$15,164	\$131,810	15.21
Domestic/commercial Conversion from CFC-11 to HCFC-141b and CFC-12 to HFC-134a technology in the manufacture of domestic and commercial refrigeration equipment at the Alborz Neishabo	UNIDO ur	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 the Bouran Saz Kara Iran (Kohsar Co.)	UNIDO j,	9.6	\$120,526	\$15,668	\$136,194	12.52
Conversion from CFC-11 to HCFC-141b technology and fro CFC-12 to HFC-134a technology in the manufacture of commercial refrigeration equipment at Sarma Fan Co.	om 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 domestic and commercial refrigeration equipment at the Moradi company	UNIDO	6.4	\$82,400	\$10,712	\$93,112	12.91
Conversion from CFC-11 to HCFC-141b technology and free CFC-12 to HFC-134a technology in the manufacture of domestic and commercial refrigeration equipment at Sain Electric Co.	om UNDP	11.2	\$152,024	\$19,763	\$171,787	13.60
	otal for Iran	298.2	\$3,549,839	\$461,479	\$4,011,318	
JAMAICA SEVERAL Institutional strengthening						
Extension of institutional strengthening project	UNEP		\$44,000	\$5,720	\$49,720	
Total	for Jamaica		\$44,000	\$5,720	\$49,720	
SOLVENT Preparation of project proposal Project preparation for the solvent sector	Germany		\$15,000	\$1,950	\$16,950	
Tot	al for Kenya		\$15,000	\$1,950	\$16,950	
KOREA, DPR REFRIGERATION Preparation of project proposal	UNICO		¢<0.000	\$7.900	¢ <i>с</i> 7 800	
Development of a refrigerant management plan	UNEP		\$60,000	\$7,800	\$67,800	

List of projects and activities recomme	ended for bla	anket app	roval	UNEP/OzL.P		PR/24/2
Project Title	Agency	ODP (tonnes)	Funds Project	Approved (US\$ Support	Page 8 5) Total (1	C.E.
Total	for Korea, DPR	(tonnes)	\$60,000	\$7,800	\$67,800	οφ , 11Β)
LIBYA FOAM Flexible slabstock					. ,	
Phase out of CFC-11 by conversion to methylene chloric (MC) in the manufacture of flexible polyurethane foam a Tasharoukiate El Hani	nt	28.0	\$112,440	\$14,617	\$127,057	4.02
Phase out of CFC-11 by conversion to methylene chloric (MC) in the manufacture of flexible polyurethane foam a Tasharoukiate Ali Sannoga		23.0	\$125,640	\$16,333	\$141,973	5.46
	Total for Libya	51.0	\$238,080	\$30,950	\$269,030	
MACEDONIA SEVERAL Institutional strengthening						
Renewal of institutional strengthening, phase III	UNIDO		\$101,950	\$13,254	\$115,204	
	l for Macedonia		\$101,950	\$13,254	\$115,204	
MALI						
SEVERAL						
Institutional strengthening Renewal of institutional strengthening project	UNEP		\$46,667	\$6,067	\$52,734	
	Total for Mali		\$46,667	\$6,067	\$52,734	
MEXICO			\$40,00 7	φ υ, υυ <i>τ</i>	φ <i>32,13</i> 4	
HALON						
Banking						
National halon management and banking program	UNDP	230.0	\$500,000	\$65,000	\$565,000	
	otal for Mexico	230.0	\$500,000	\$65,000	\$565,000	
MONGOLIA REFRIGERATION						
Recovery/recycling						
Recovery and recycling of CFC-12 refrigerant	UNDP	5.6	\$108,600	\$14,118	\$122,718	19.36
Tot	al for Mongolia	5.6	\$108,600	\$14,118	\$122,718	
MOROCCO	8		. ,	. ,	. ,	
REFRIGERATION Commercial						
Conversion from CFC-11 to HCFC-141b and CFC-12 to	UNIDO	15.0	\$177,312	\$23,051	\$200,363	11.80
HFC-134a technology in the manufacture of commercial refrigeration equipment at the Climatisation et Froid Lou (CFL)		1010	<i>\</i>	¢ _ 2,001	¢200,000	1100
Conversion from CFC-11 to HCFC-141b and CFC-12 to HFC-134a technology in the manufacture of commercial refrigeration equipment at the Etablissement Lahdar		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 the First Clim Co.		9.0	\$135,258	\$17,584	\$152,842	15.09
То	tal for Morocco	31.4	\$414,021	\$53,823	\$467,844	

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Project Title	Agency	ODP (tonnes)	Funds Project	Approved (U Support	Page 9 J S\$) Total (U	C.E.
NIGERIA FOAM Flexible slabstock		(tomics)	Toject	Support	Total (C	JO\$/Kg)
Phasing out of CFC-11 in the manufacture of flexible slabstock foam at Bamako Industrial Ltd. by conversion to methylene chloride	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 ter (10) box-foam enterprises in Lagos area (group project)	UNDP 1	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 at Agric Services (Nig.) Ltd. by conversion to a combination of water+HCFC-141b based systems	UNDP	43.7	\$239,160	\$31,091	\$270,251	5.47
REFRIGERATION Domestic/commercial Replacement of refrigerant CFC-12 with HFC-134a and foar blowing agent CFC-11 with HCFC-141b in the manufacture commercial refrigeration equipment at Polade		8.3	\$70,382	\$9,150	\$79,532	8.51
Replacement of refrigerant CFC-12 with HFC-134a and foar blowing agent CFC-11 with HCFC-141b in the manufacture domestic and commercial refrigeration equipment at Ristian		11.0	\$143,729	\$18,685	\$162,414	13.10
Total	for Nigeria	286.1	\$1,630,589	\$200,720	\$1,831,309	
PAKISTAN REFRIGERATION						
Domestic Replacement of refrigerant CFC-12 with HFC-134a and foar blowing agent CFC-11 with HCFC-141b in the production of domestic refrigerators at Ideal Appliances Ltd.		12.9	\$173,101	\$22,503	\$195,604	13.73
SEVERAL Institutional strengthening						
Extension of the institutional strengthening project: phase II	UNDP		\$172,666	\$22,447	\$195,113	
Total f PERU FOAM	for Pakistan	12.9	\$345,767	\$44,950	\$390,717	
Multiple-subsectors Foam sector ODS phaseout plan	UNDP	33.8	\$325,277	\$42,286	\$367,563	8.37
	tal for Peru	33.8	\$325,277	\$42,286	\$367,563	
PHILIPPINES MULTI-SECTOR Preparation of project proposal Preparation of a national CFC phaseout plan	IBRD		\$70,000	\$9,100	\$79,100	
REFRIGERATION Training programme/workshop Training of customs officials and other key stakeholders	UNEP		\$170,250	\$22,133	\$192,383	
Total for	Philippines		\$240,250	\$31,233	\$271,483	

Project Title Agency (0DP) (00008) Funds Approved (USS) (00008) Project (USS) (00008) SAINT LUCIA REFRIGUENTION Preparation of project proposal Preparation of national phase out strategy Canada ST.500 S975 S8.475 SIFERA LEONE SEVERAL Exchange assistance/support Formulation of national phase out strategy UNEP \$40,000 \$52,000 \$45,200 SOMALIA SEVERAL Exchange assistance/support Formulation of national phase out strategy UNEP \$60,000 \$7,800 \$67,800 SYRA REFRIGERATION Commercial Conversion from CFC-110 In CFC-141b and from CFC-1210 INDP 20.1 \$166,323 \$21,622 \$187,945 \$28 TOGO Conversion from CFC-110 In CFC-141b and from CFC-1210 INDP 20.1 \$166,323 \$21,622 \$187,945 \$28 TOGO Conversion from CFC-110 In CFC-141b and from CFC-1210 INDP 20.1 \$166,323 \$21,622 \$187,945 \$28 TOGO Conversion from CFC-110 In CFC-141b and from CFC-1210 INDP 20.1 \$166,323 \$21,622 \$187,945 \$28 TOGO Conversion from CFC-110 INCFC-141b and CFC-1210 INDP 20.1 \$166,323 \$21,622 \$187,945 \$28 TOGO Conversion from CFC-110 INCFC-141b and CFC-1210 INCFC Total for Torgo \$60,000 \$7,800 \$67,800 <	List of projects and activities recomn	nended for bla	anket app	roval	UNEP/OzL.I	Pro/ExCom/SCI	PR/24/2
SAIN LUCIA PEPERIGERATION Preparation of project proposal Preparation of project proposal Preparation of project proposal Preparation of project proposal SEVERAL Technical assistance/support Formulation of national phase out strategy UNEPCunada\$7,500\$975\$8,475SIERRALEONE SEVERAL Technical assistance/support Formulation of national phase out strategy UNEPUNEP\$40,000\$5,200\$45,200SOMALIA SEVERAL Technical assistance/support Ferencial consultation of national phase out strategy UNEPUNEP\$60,000\$7,800\$67,800SOMALIA SEVERAL Technical assistance/support Ferencial consultation of national phase out strategy Commercial Conversion from CPC-11 to HCPC-141b and from CPC-12 to UNEP\$60,000\$7,800\$67,800SYRIA REFERICERATION Commercial Conversion from CPC-11 to HCPC-141b and from CPC-12 to UNEP\$166,323\$21,622\$187,945\$.28TOGO REFERICERATION Preparation of project proposal Development of a criftgerant management plan UNEP\$60,000\$7,800\$67,800TOGO REFRICERATION Commercial refrigeration of project proposal Development of a criftgerant management plan UNEP\$166,323\$21,622\$187,945\$.28TOGO REFRICERATION Commercial refrigeration of project proposal Conversion from CPC-11 to HCPC-141b and CPC-12 to UNIDO\$1,4\$518,693\$67,056\$585,749\$3,75SOLVENT Multiple solvents Conversion from CPC-11 to HCPC-141b and CPC-12 to UNIDO\$1,4\$518,693\$67,056\$585,749\$3,75Conversion from CPC-11 to HCP	Project Title	Agency					
Total for Saint Lucia\$7,500\$975\$8,475SIERA LEONE SEVERAL Technical assistance/support Formulation of national phase out strategyUNEP\$40,000\$5,200\$45,200SOMALIA SEVERAL Technical assistance/support Formulation of national phase out strategyUNEP\$60,000\$7,800\$67,800SOMALIA SEVERAL Technical assistance/support Formulation of national phase out strategyUNEP\$60,000\$7,800\$67,800SYRIA REFRIGERATION Conversion from CPC-11 to HCPC-141b and from CPC-12 toUNDP20.1\$166,323\$21,622\$187,945\$.28TOGO Conversion from CPC-11 to HCPC-141b and from CPC-12 toUNDP20.1\$166,323\$21,622\$187,945\$.28TOGO Development of a refrigeration solution of project proposal Development of a refrigeration segment planUNEP\$60,000\$7,800\$67,800TURKEV SOLVENT Multiple solvents Umberlal project for 21 enterprises: phase-out of MCF used IBRD a solvent by water cleaning15.4\$518,693\$67,056\$585,74933.75TURKEV SOLVENT Multiple solvents Umberlal project for 21 enterprises: phase-out of MCF used IBRD a solvent by water cleaning15.4\$518,693\$67,056\$585,74933.75Conversion from CPC-11 to HCPC-141b and CPC-12 to UNIDO7.3\$105,641\$13,733\$119,37414.58MITHER EFRIGERATION Conversion from CPC-11 to HCPC-141b and CPC-12 to UNIDO7.3\$105,641\$13,733\$119,37414.58MITHER EFRIGERATION Conversion from CPC-11 to HCPC-1	REFRIGERATION		(tollies)	110,000	Support	100001 ((, (, , , , , , , , , , , , , , , , , ,
SIERA LEONE SEVERAL Technical assistance/support Formulation of national phase out strategyUNEP\$40,000\$5,200\$45,200Total for Sierra Leone\$40,000\$5,200\$45,200SOMALIA SEVERAL Technical assistance/supportFormulation of national phase out strategyUNEP\$60,000\$7,800\$67,800Total for Somalia\$60,000\$7,800\$67,800\$67,800SYRIA BEPRICERATION Conversion from CFC-11 to HCFC-141b and from CFC-12 to Oregoin from CFC-11 to HCFC-141b and from CFC-12 to Total for Syria20.1\$166,323\$21,622\$187,945\$.28TOGO Development of a refrigerationTotal for Syria20.1\$166,323\$21,622\$187,945\$.28TOGO SUPPORTION Conversion from CFC-11 to HCFC-141b and from CFC-12 to Development of a refrigerant management planUNEP\$60,000\$7,800\$67,800TOGO SUPPORTION COULERATION Preparation of project proposal Development of a refrigerant management planUNEP\$60,000\$7,800\$67,800TURKEY SOLVENT Multiple solvents Umbrelia project for 21 enterprises: phase-out of MCF used IBRD as solvent by water cleaning\$67,856\$585,749\$3,75Conversion from CFC-11 to HCFC-141b and CFC-12 to UNIDOUNIDO7,3\$105,641\$13,733\$119,37414,58THEFRIEGRATION Conversion from CFC-11 to HCFC-141b and CFC-12 to UNIDOUNIDO7,3\$105,641\$13,733\$119,37414,58THEFRIEGRATION Conversion from CFC-11 to HCFC-141b and CFC-12 t	Preparation of update of refrigerant management plan	Canada		\$7,500	\$975	\$8,475	
Formulation of national phase out strategyUNEP\$40,000\$5,200\$45,200SOMALLA SEVERAL Technical assistance/support Formulation of national phase out strategyUNEP\$60,000\$7,300\$67,800SWIA SEVERAL Technical assistance/support Formulation of national phase out strategyUNEP\$60,000\$7,300\$67,800SWIA REFRIGERATION Commercial refrigeration equipment at Al-Saud RefrigerationTotal for Syria20.1\$166,323\$21,622\$187,945\$.28TOGO REFRIGERATION Preparation of project proposal Development of a refrigerant management planUNEP\$60,000\$7,800\$67,800TOGO REFRIGERATION Preparation of project proposal Development of a refrigerant management planUNEP\$60,000\$7,800\$67,800TURKEY SOLVENT Multiple solvents Umbrella project for 21 enterprises: phase-out of MCF usedIBRD15.4\$518,693\$67,056\$585,7493.75SOLVENT Multiple solvents Umbrella project for 21 to HCFC-141b and CFC-12 to UNIDOTotal for Turkey15.4\$518,693\$67,056\$585,7493.75Multiple solvents Umbrella project for 21 enterprises: phase-out of MCF usedIBRD15.4\$518,693\$67,056\$585,7493.75Multiple solvents Umbrella project for 21 to HCFC-141b and CFC-12 to UNIDO7.3\$105,641\$13,733\$119,37414.58HCFLGERATION Conversion from CFC-11 to HCFC-141b and CFC-12 to UNIDOUNIDO7.3\$105,641\$13,730\$101,96114.58HCFLGERATIO	SIERRA LEONE SEVERAL	al for Saint Lucia		\$7,500	\$975	\$8,475	
SOMALIA SEVERAL Technical assistance/support Formulation of national phase out strategyUNEPS60.000\$7.800\$67,800Total for Somalia 		UNEP		\$40,000	\$5,200	\$45,200	
SPEERAL Perchical assistance/support Formulation of national phase out strategy UNEP \$60,000 \$7,800 \$67,800 SPRIA REFRIGERATION Connercial Conversion from CPC-11 to HCFC-141b and from CPC-12 to UNDP 20.1 \$166,323 \$21,622 \$187,945 \$.828 PHC-134u technology in the manufacture of commercial erfigeration equipment at AI-Saad Refrigeration Total for Syria 20.1 \$166,323 \$21,622 \$187,945 \$.828 COGO REFRIGERATION Preparation of project proposal Development of a refrigerant management plan UNEP \$60,000 \$7,800 \$67,800 Struck KEY SOLVENT Multiple solvents Unabella project for 21 enterprises: phase-out of MCF used IBRD 15.4 \$518,603 \$67,505 \$585,749 \$3.75 REFRIGERATION Preparation of Droject proposal Development of a refrigerant management plan UNEP \$518,603 \$67,505 \$585,749 \$3.75 Stat for Turke Y SOLVENT SOLVENT SOLVENT Total for Turkey 15.4 \$518,603 \$67,055 \$585,749 \$3.75 Stat for CPC-11 to HCFC-141b and CPC-12 to Onnercial Conversion from CPC-11 to HCFC-141b and CPC-12 to Onnercial Prefigeration equipment at the Nagman Co. \$10,50,41 \$13,733 \$11,937 \$14,58 Struck SP SOLVENT Struck SP SOLVENT \$11,800 \$11,80	Total	for Sierra Leone		\$40,000	\$5,200	\$45,200	
Total for SomaliaS60,000\$7,800\$67,800SYRIA REFRIGERATION Commercial refrigeration equipment at AI-Saad RefrigerationTotal for Syria20.1\$166,323\$21,622\$187,9458.28MEDERATION Commercial refrigeration equipment at AI-Saad RefrigerationTotal for Syria20.1\$166,323\$21,622\$187,9458.28TOGO REFRIGERATION Preparation of project proposal Development of a refrigerant management planUNEP\$60,000\$7,800\$67,800TURKEY SOLVENT Multiple solvents Unbrella project for poject of DCF usedIBRD15.4\$518,693\$67,056\$585,7493.75WEFRIGERATION Preparation of project for posal DoventsTotal for Torgo\$60,000\$7,800\$67,800\$7,800\$67,800VENEY SOLVENT Multiple solvents Unbrella project for 21 enterprises: phase-out of MCF usedIBRD15.4\$518,693\$67,056\$585,7493.75MEFRIGERATION Commercial refrigeration equipment at the Nagman Co.Total for Turkey15.4\$518,693\$67,056\$585,7493.75VEMEN REFRIGERATION Conversion from CFC-11 to HCFC-141b and CFC-12 to UNIDOT.3\$105,641\$13,733\$119,37414.58REFRIGERATION Conversion from CFC-11 to HCFC-141b and CFC-12 to UNIDOConversion from CFC-11 to HCFC-141b and CFC-12 to Conversion from CFC-11 to HCFC-141b and CFC-12	SEVERAL Technical assistance/support						
SYRIA REFRIGERATION Commercial refrigeration equipment at Al-Saad Refrigeration20.1\$166,323\$21,622\$187,9458.28HFC-134a technology in the manufacture of commercial 	Formulation of national phase out strategy	UNEP		\$60,000	\$7,800	\$67,800	
Conversion from CFC-11 to HCFC-141b and from CFC-12 toUNDP20.1\$166,323\$21,622\$187,9458.28HFC-134a technology in the manufacture of commercial refrigeration equipment at Al-Saad RefrigerationTotal for Syria20.1\$166,323\$21,622\$187,9458.28TOGO REFRIGERATION Preparation of project proposal Development of a refrigerant management planUNEP\$60,000\$7,800\$67,800TURKEY SOLVENT Multiple solvents Umbrella project for 21 enterprises: phase-out of MCF used IBRD as solvent by water cleaning15.4\$518,693\$67,056\$585,74933.75YEMEN REFRIGERATION Commercial refrigeration equipment at the Nagman Co.Total for Turkey15.4\$510,641\$13,733\$119,37414.58HFC-134a technology in the manufacture of commercial refrigeration equipment at the Sugman Co.Conversion from CFC-11 to HCFC-141b and CFC-12 to UNIDONIDO7.3\$105,641\$13,733\$119,37414.85HFC-134a technology in the manufacture of commercial refrigeration equipment at the Sugman Co.Conversion from CFC-11 to HCFC-141b and CFC-12 to UNIDO0.1\$90,231\$11,730\$101,96114.85HFC-134a technology in the manufacture of commercial refrigeration equipment at the Styrco\$118,000\$15,340\$133,340	SYRIA REFRIGERATION	Total for Somalia		\$60,000	\$7,800	\$67,800	
TOGO REFRIGERATION Preparation of project proposal Development of a refrigerant management planUNEP\$60,000\$7,800\$67,800Total for Togo\$60,000\$7,800\$67,800TURKEY 	Conversion from CFC-11 to HCFC-141b and from CFC HFC-134a technology in the manufacture of commerci		20.1	\$166,323	\$21,622	\$187,945	8.28
REFRIGERATION Preparation of project proposal Development of a refrigerant management planUNEP\$60,000\$7,800\$67,800Total for Togo\$60,000\$7,800\$67,800\$67,800TIRKEY SOLVENT Multiple solvents Umbrella project for 21 enterprises: phase-out of MCF usedIBRD15.4\$518,693\$67,056\$585,74933.75Solvents Umbrella project for 21 enterprises: phase-out of MCF usedIBRD15.4\$518,693\$67,056\$585,74933.75Solvents Umbrella project for 21 enterprises: phase-out of MCF usedIBRD15.4\$518,693\$67,056\$585,74933.75Solvents Oursein by water cleaningTotal for Turkey15.4\$518,693\$67,056\$585,74933.75Solvents Conversion from CFC-11 to HCFC-141b and CFC-12 to Conversion from CFC-11 to HCFC-141b and CFC-12 to HCC-134a technology in the manufacture of commercial refrigeration equipment at the Nagman Co.\$11,730\$101,96114.85SeVERAL Institutional strengthening Extension of institutional strengthening projectUNEP\$118,000\$15,340\$13,340		Total for Syria	20.1	\$166,323	\$21,622	\$187,945	
Total for Togo\$60,000\$7,800\$67,800TURKEY SOLVENT Multiple solvents Umbrella project for 21 enterprises: phase-out of MCF used IBRD as solvent by water cleaning15.4\$518,693\$67,056\$585,74933.75Total for Turkey15.4\$518,693\$67,056\$585,74933.75VEMEN REFRIGERA TION Commercial Conversion from CFC-11 to HCFC-141b and CFC-12 to UNIDOUNIDO7.3\$105,641\$13,733\$119,37414.58HFC-134a technology in the manufacture of commercial refrigeration equipment at the Nagman Co.UNIDO6.1\$90,231\$11,730\$101,96114.85SeVERAL Institutional strengthening Extension of institutional strengthening projectUNEP\$118,000\$15,340\$133,340	REFRIGERATION Preparation of project proposal						
TURKEY SOLVENT Multiple solvents Umbrella project for 21 enterprises: phase-out of MCF used IBRD15.4\$518,693\$67,056\$585,74933.75Total for Turkey15.4\$518,693\$67,056\$585,74933.75Total for Turkey15.4\$518,693\$67,056\$585,74933.75YEMEN 	Development of a refrigerant management plan	UNEP		\$60,000	\$7,800	\$67,800	
Umbrella project for 21 enterprises: phase-out of MCF used IBRD15.4\$518,693\$67,056\$585,74933.75as solvent by water cleaningTotal for Turkey15.4\$518,693\$67,056\$585,749YEMEN REFRIGERATION Commercial Conversion from CFC-11 to HCFC-141b and CFC-12 to UNIDOUNIDO7.3\$105,641\$13,733\$119,37414.58HFC-134a technology in the manufacture of commercial refrigeration equipment at the Nagman Co. Conversion from CFC-11 to HCFC-141b and CFC-12 to HFC-134a technology in the manufacture of commercial refrigeration equipment at the Styrco6.1\$90,231\$11,730\$101,96114.85SEVERAL Institutional strengthening Extension of institutional strengthening projectUNEP\$118,000\$15,340\$133,340	SOLVENT	Total for Togo		\$60,000	\$7,800	\$67,800	
YEMEN REFRIGERATION Commercial Conversion from CFC-11 to HCFC-141b and CFC-12 to HFC-134a technology in the manufacture of commercial refrigeration equipment at the Nagman Co.UNIDO7.3\$105,641\$13,733\$119,37414.58Conversion from CFC-11 to HCFC-141b and CFC-12 to HFC-134a technology in the manufacture of commercial refrigeration equipment at the StyrcoUNIDO6.1\$90,231\$11,730\$101,96114.85SEVERAL Institutional strengthening Extension of institutional strengthening projectUNEP\$118,000\$15,340\$133,340	Umbrella project for 21 enterprises: phase-out of MCF	Fused IBRD	15.4	\$518,693	\$67,056	\$585,749	33.75
REFRIGERATION CommercialConversion from CFC-11 to HCFC-141b and CFC-12 to HFC-134a technology in the manufacture of commercial refrigeration equipment at the Nagman Co.VNIDO7.3\$105,641\$13,733\$119,37414.58Conversion from CFC-11 to HCFC-141b and CFC-12 to HFC-134a technology in the manufacture of commercial refrigeration equipment at the StyrcoUNIDO6.1\$90,231\$11,730\$101,96114.85SEVERAL Institutional strengthening Extension of institutional strengthening projectUNEP\$118,000\$15,340\$133,340		Total for Turkey	15.4	\$518,693	\$67,056	\$585,749	
Conversion from CFC-11 to HCFC-141b and CFC-12 to HFC-134a technology in the manufacture of commercial refrigeration equipment at the StyrcoUNIDO6.1\$90,231\$11,730\$101,96114.85SEVERAL Institutional strengthening Extension of institutional strengthening projectUNEP\$118,000\$15,340\$133,340	REFRIGERATION Commercial Conversion from CFC-11 to HCFC-141b and CFC-12		7.3	\$105,641	\$13,733	\$119,374	14.58
HFC-134a technology in the manufacture of commercial refrigeration equipment at the StyrcoSEVERAL Institutional strengthening Extension of institutional strengthening projectUNEP\$118,000\$15,340\$133,340				402		.	4405
Institutional strengtheningExtension of institutional strengthening projectUNEP\$118,000\$15,340\$133,340	HFC-134a technology in the manufacture of commerci refrigeration equipment at the Styrco		6.1	\$90,231	\$11,730	\$101,961	14.85
Total for Yemen 13.3 \$313,872 \$40,803 \$354,675	Institutional strengthening	UNEP		\$118,000	\$15,340	\$133,340	
		Total for Yemen	13.3	\$313,872	\$40,803	\$354,675	

List of projects and activities recommended for blanket approval UNEP/OzL.Pro/ExCom/SCPR/24/ Page 11							
Project Title	Agency	ODP (tonnes)	Funds Project	Approved (U Support	0	C.E.	
YUGOSLAVIA FOAM Flexible slabstock Conversion from CFC-11 to methylene chloride in the production of flexible slabstock foam at Prva Iskra-Poliure	UNIDO etani	34.4	\$100,240	\$13,031	\$113,271	3.30	
Rigid Phase-out of CFC-11 consumption by conversion to n-pentane technology at Prva Iskra - Fim Co. in the production of continuous rigid polyurethane foam insulatin HALON	UNIDO	75.0	\$475,728	\$61,845	\$537,573	6.34	
Banking Halon bank management program	UNIDO	370.0	\$249,700	\$32,461	\$282,161	0.67	
Total f GLOBAL SEVERAL Preparation of project proposal Project preparation advance	or Yugoslavia UNDP	479.4	\$825,668 \$200,000	\$107,337 \$26,000	\$933,005 \$226,000		
Work programme advance for project preparation (2002)	UNIDO		\$176,250	\$22,913	\$199,163		
Project preparation advance (for 2002)	IBRD		\$180,000	\$23,400	\$203,400		
	otal for Global RAND TOTAL	18,738.7	\$556,250 \$24,675,923	\$72,313 \$3,015,818	\$628,563 \$27,691,741		