

Montreal Protocol on Substances that Deplete the Ozone Layer 1987 [Montreal Protocol]

- Bangladesh accessed to the Protocol on 2 August 1990

London Amendment to the Montreal Protocol on Substances that deplete the Ozone Layer, 1990

- Date of Bangladesh's ratification: 18 March 1994

Copenhagen Amendment to the Montreal Protocol, 1992

- Date of Bangladesh's ratification: 27 November 2002

Montreal Amendment to the Montreal Protocol, 1997

- Date of Bangladesh's ratification: 27 July 2001

Beijing Amendment to the Montreal Protocol, 1999

- Yet to ratify by Bangladesh

Major use of ODS in Bangladesh (Sector wise)

- Aerosol Products (insecticides spray, hair spray)
- Metered dose inhaler
- Air Conditioner Assembly Industries
- Air Conditioner/Refrigerator/Deep Refrigerator Repair and service shops
- Chemical industries
- Readymade Garments industries
- Cold Storage
- Dairy milk processing units
- Electronics cleaning units
- Fire Extinguisher Manufacture Units
- Fish Freezing and Processing Units;
- Ice Cream Factories
- Food processing industries
- Pest Control
- Others;

Country Program of Bangladesh

- Reconnaissance Survey conducted in 1993
- Country program prepared in 1994
- Recommended Phase-out Schedule in the Country Program
 - Freezer import and consumption at 1986-1993 level (about 250 MT) by end of 1995;
 - 50% reduction by 1996;
 - 60% reduction by 2000;
 - 80% reduction by 2005;
 - 100% reduction by 2006
- Four projects prepared
 - Institutional Strengthening;
 - Aerosol Sector Phase-out project;
 - Project for Large Refrigeration units;
 - Projects for Technicians Training.
- Awareness Campaign;
- Regulatory Measures and licensing systems
- Certification of Refrigerant Technicians

Institutional Set-up

- Creation of Ozone Cell
- Creation of National Technical Committee on ODS (NTCODS)
- Institutional Strengthening Project
 - Data Collection and reporting
 - Awareness Campaign
 - Regulatory Measures
 - Introduction of Licensing System
 - Coordination for other ODS project implementation

Aerosol Sector Phase-out Project through MLF assistance

- One Unit, ACI Ltd.
- Consumption at project preparation: 124 MT
- Consumption at project completion: 590 MT
- Public-Private partnership
- Reduction 60% consumption

Projects in Refrigeration Management Sector

MLF approves four Projects in 1999 which are:

- Recovery and Recycling
- Training for Refrigeration Technicians
- Training for Customs Officers
- Monitoring project for RMP

Consumption of ODS in Bangladesh, 1995-2002

ODS	Consumption in Metric Ton							
	1995	1996	1997	1998	1999	2000	2001	2002
CFC-11	88.61	264.50	323.16	295.05	290.20	299.20	244.00	2.32
CFC-12	192.07	363.77	543.89	534.19	509.34	505.49	563.32	324.68
HCFC-22	35.17	62.23	134.65	67.64	129.97	95.73	106.36	132.27
Methyl Chloroform	2.23	-	6.50	10.00	10.00	6.00	15.01	9.5
CCl ₄	7.58	1.83	2.00	5.00	5.50	5.00	10.62	12.56
CFC-115	-	-	3.94	1.89	1.79	0.56	1.02	1.68
R-502	-	-	-	-	-	-	-	-
TOTAL	305.80	692.33	1019.20	913.77	946.80	911.97	940.33	483.01

Compliance under Montreal Protocol

- Halon phased-out in 1994
- Methyl bromide phased-out (ban import) in 1995
- Freeze 1999 met; base level for Annex: 580.4 MT; Consumption in 2002: 483.01 MT
- ODS Rules prepared and under active consideration of the Government;
- Licensing system included into the proposed Rules.

Undertaking of Country Program Update and its major focus

- Extension of training of technicians to the unorganized sector;
- Retrofit of existing domestic and small commercial refrigeration to Hydrocarbon and other drop in substitute;
- Additional Recovery & Recycling equipment including for the MAC sector;
- Strengthening and extension of the monitoring component of the RMP;
- End user incentive.