



**United Nations  
Environment  
Programme**



Distr.  
LIMITED

UNEP/OzL.Pro/ExCom/28/50/Corr.1  
6 July 1999

ORIGINAL: ENGLISH

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EXECUTIVE COMMITTEE  
OF THE MULTILATERAL FUND FOR THE  
IMPLEMENTATION OF THE MONTREAL PROTOCOL

Twenty-eighth Meeting  
Montreal, 14-16 July 1999

Corrigendum

**INDIA HALON PHASE-OUT STRATEGY**

Subsequent to the dispatch of documents, UNDP informed the Secretariat on 1 July 1999 of changes to Part B, "India Halon Phase-out Strategy" that also required changes to the Secretariat's comments in Part A.

For Part A:

Replace the first sentence in paragraph 2 with the following sentence:

"India's baseline (average 1995-1997) consumption for halon 1211 is 178.7 metric tonnes (536 ODP tonnes) and for halon 1301 is 71.3 metric tonnes (713 ODP tonnes) for a total of 1249 ODP tonnes".

For Part B:

Replace the fourth sentence in paragraph 1.3 with the following sentence:

"These figures are in metric tonnes".

Replace page 9 with the following page.

**Table - 4**  
**Halon 1211, Production and Consumption**

	1991	1992	1993	1994	1995	1996	1997
Indigenous Production Capacity (in MT)	300	300	300	600	600	600	600
Production/Import/Other sources (in MT)	550	266	287	237	206.4	167.6	162
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Consumption in New Extinguisher (%)	85	85	85	80	75	70	60
Cons. In Servicing Old Extinguisher (%)	10	10	10	15	25	30	40
Consumption in New Systems (%)	5	5	5	5	-	-	-

Source - Recent survey conducted in the market with the major halon consumers during halon phase out project preparation.

There are two Halon 1211 Producers M/s NFI and M/s SRF. Since the demand of Halon has decreased in the Indian Market. M/s NFI stopped production in 1995. Only SRF continues to operate and produce from its plant when there is a demand.

**Table - 5**  
**Halon 1301 - Production & Consumption**

	1991	1992	1993	1994	1995	1996	1997
Production Capacity (in MT)	200	200	200	400	400	400	400
Production/Import/Other Sources (in MT)	200	120	110	110	89.5	66.0	58.5
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Old Systems Servicing (%)	10	10	10	15	25	30	40
New Systems (%)	90	90	90	85	75	70	60

\*Note - Other Sources are from ship breaking industry and recovery, recycling & reclamation from old halon systems in the country.

**Table - 5 bis**  
**Combined Halon 1201 and 1301 Consumption (in ODP MT)**

	1991	1992	1993	1994	1995	1996	1997
Production, Import & Other Sources	3,650	1,998	1,961	1,811	1,514	1,163	1,071

**Note:** Tables 4 and 5 are in metric tons while table 5bis in ODP tons. The ODP of H-1211 is 3 and for H-1301 10. From table 5bis one can conclude that India's 1995-97 baseline data for halons amounts to 1,249 ODP tons.

**(d) Portable Halon 1211 Fire Extinguisher Production & use pattern**

The Halon 1211 portable fire extinguisher market in India during 1991 to 95, was about 1/2 million per annum in different sizes, viz 500 gms to 50 kg, but major share being 500 gms and 1 kg as shown in Table 6. Total consumption of Halon 1211 for portable fire extinguisher was 550 MT in 1991 with an expected unconstrained annual growth of 10%. Therefore an estimated unconstrained demand was 1000 MT Halon 1211 in 1 million extinguishers by 1999 and 1.5 million extinguishers using 1500 MT Halon in 2005.