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EXECUTIVE COMMITTEE OF  
THE MULTILATERAL FUND FOR THE  
IMPLEMENTATION OF THE MONTREAL PROTOCOL  
Forty first Meeting  
Montreal, 17 -19 December 2003

**WORK PROGRAMME AMENDMENTS OF THE WORLD BANK**

## COMMENTS AND RECOMMENDATIONS FROM THE FUND SECRETARIAT

1. The World Bank is requesting approval from the Executive Committee for US \$64,600 as amendments to its 2003 Work Programme plus agency support costs of US \$5,814.
2. The activities proposed in the Work Programme Amendments of the World Bank are presented in Table 1 below:

Table 1: Work Programme Amendments of the World Bank

Country	Activity/Project	Amount Requested US \$	Amount Recommended US \$
Oman	Halon consumption phase-out plan	64,600	64,600
	Subtotal	64,600	64,600
	Agency support costs:	5,814	5,814
	Total:	70,414	70,414

Oman: Halon consumption phase-out through a two component project consisting of part A: technical assistance programme and part B: halon recycling (US \$64,600)

### Project description

3. The World Bank is requesting US \$64,600 plus agency fees of US \$5,814 for a halon banking project in the Sultanate of Oman. The project consists of two main components: a technical assistance programme and a halon management component. The activities under the technical assistance programme include one workshop addressing the needs of the critical users; assistance in technical standards and information; and technical assistance for training of service technicians at 12 companies. The halon management component includes the set up of recycling and recovery equipment.
4. This project aims at promoting the use of non-ODS and non-halon fire protection technology, preventing any safety impact, and reducing the phase-out costs by developing national capacity and implementing a halon management programme in the Sultanate of Oman. This project will be coordinated with the regional halon management programme implemented by Germany.
5. The Government of Oman agrees to ban the import of new halons six months after the installation of the halon equipment, and that it will not seek any further assistance from the Multilateral Fund for the halon and fire protection sector upon approval of this project.

### *Halon consumption background*

6. A survey was carried out for the development of a regional halon bank in Oman. The survey identified that the main users of halons were from the sectors of communications, oil and gas, military, civil defense and fire brigade, energy, and aviation. It indicated that most of halons were imported from UAE in fire extinguishers and cylinders for fire extinguisher systems. The proposal indicated that the fire market in Oman had grown over the past 10 years due to general

development, and the oil and gas industry in the country. The proposal also indicated that there were one fire extinguisher manufacturer and two to three larger fire equipment companies. 6.2 ODP tonnes of halons were imported in 2002. The installed capacity of halons in the country estimated in the project was 540 ODP tonnes. The baseline for the purposes of compliance with the halon control measures of the Montreal Protocol is 13.7 ODP tonnes which would suggest an installed capacity of 137 ODP tonnes.

#### Secretariat's comments

7. The Civil Defense authority of Oman will take the lead in the project, in coordination with the National Ozone Office, and the halon bank will be operated by one of the major fire protection companies. The major suppliers of fire protection equipment have agreed that one of them will house the equipment and the project will be sustained on a cost-recovery basis. Any reclamation needs would be handled as part of the West Asia Halon Bank.

8. The capital costs totals US \$39,600, including costs for recovery/recycling equipment amounting to US \$31,000, storage tanks (US \$2,500), equipment training (US \$1,500), shipping costs (US \$1,000) and contingency costs (US \$3,600).

9. The technical assistance costs for the project amount to US \$20,000 consisting of one workshop that will also address the needs of the critical users (\$10,000), assistance in technical standards and information (\$3,000), and technical assistance for training of service technicians at 12 companies (\$7,000).

10. The consultancy (US \$5,000) for project management is intended to assist in the initiation of the halon bank and the organization of the workshop and other technical assistance activities.

#### Secretariat's recommendations

11. Blanket approval is recommended in the amount of US \$64,600 with agency fees amounting to US \$5,814 on the condition that with the approval of this project, the Government of Oman agrees to ban the import of new halons six months after the installation of the halon equipment and that it will not seek any further assistance from the Multilateral Fund for halon and fire protection sector.

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