



Republic of Ghana



SIGNATURE PAGE

Country: Ghana

Expected Outcome(s)/ Indicator (s):

Accelerated phase-out of ODS

Implementing partner:

National Ozone Office

Other partners:

Environmental Protection Agency
Ministry of Finance and Economic Planning

Programme period: 2011-2012
Programme Component: To support government in implementing activities required for the implementation of Ghana's strategy in all areas related to the Phase-out of Ozone Depleting Substances under the Montreal Protocol.

Project Title: HCFC Phase out Management Plan (HPMP)
Source of Funds: Multilateral Funds (MLF) for the Implementation of the Montreal Protocol, and the Government of Italy (GOI)
Project ID: GHA/PHA/61/INV/30&31 (00076623)
Management Arrangement: NEX

Project Budget:	US\$ 270,00.00
General Management Support Fee:	_____
Total Budget:	_____
Allocated resources:	
• Government	_____
• Regular	_____
• Other:	US\$ 270,00.00
▪ Donor: MLF	US\$ 200,00.00
▪ Donor: GOI	US\$ 70,00.00
• In kind contributions:	_____
Unfunded Budget:	_____

Agreed by (Government): _____

DEPUTY EXECUTIVE DIRECTOR
ENVIRONMENTAL PROTECTION AGENCY
Daniel Amlalo
DEPUTY EXECUTIVE DIRECTOR

Agreed by (UNDP): _____

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03/12/2011

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required under the Montreal Protocol through a combination of regulations, training and certification of technicians, focused sensitization of target groups, refrigerant recovery and retrofit projects and end-user incentive programmes.

UNDP and GOI (through the Ministry of Environment and the Sea) will be in charge of the implementation of the activities approved under the HPMP. The total approved funds for implementing the activities under the first phase of the HPMP will be released biennially in five tranches from 2010 to 2018 in accordance with the agreement between the ExCom and the GOG as provided in Annex I to the HPMP.

The challenge for Ghana to phase-out the use of HCFCs in the refrigeration servicing sector based on low GWP, energy efficient refrigerants, is to ensure that the execution of HCFC retrofit, recovery and recycling programmes and introduction of new servicing practices are done in a safe and sustainable manner and are acceptable to a large section of the servicing industry as well as end users. In this regard the bilateral cooperation with the GOI is expected to play a major role in achieving some of these objectives, in particular the development of safety standards and norms in the use of hydrocarbon and other natural refrigerants as well as in the development of more efficient monitoring procedures through the use of paperless system. It is desirable from the onset to engage relevant trade and industry associations and as well as relevant governmental organizations through focused sensitization activities in the planning and execution of training and certification, recovery and recycling and other programmes.

The following activities will be implemented during the period 2010-2011 of the Phase I Implementation Programme of the HPMP: Establishment of the regulatory environment (GOI); focused sensitization of target groups (GOI); some components of training and certification for HCFC servicing (UNDP); some components of RRRP (UNDP); monitoring and technical support (GOI) (UNDP).

In order to achieve the targets set out in the HPMP it is essential to adopt a flexible approach to adapt to unforeseen changes in the market.

The approved HPMP document together with Annex I (Agreement) and appendices to the document is attached to the present document.

PART III: Management Arrangements

The HPMP will be managed as nationally executed project (NEX) by the Government of Ghana through the National Ozone Unit (NOU) of the Environmental Protection Agency (EPA), Ministry of Environment, Science and Technology. The Coordinator of the NOU will be responsible for day-to-day management of the activities of the HPMP with assistance from Assistant Ozone Coordinator and/or relevant national consultants. A Technical Management and Monitoring Committee (TMMC) will be established under an expanded NACODS to assist the NOU as set out in section VI of the HPMP. Thus the role of the NOU will include the following:

- Initiating and expediting the timely implementation of the activities set out in Section V of the HPMP (Management of HCFC supply and demand), paragraphs 152-154;
- Facilitating the expansion of NACODS and the establishment and functioning of the TMMC as set out in Sections VI.1 and VI.2 of the HPMP;
- Monitoring of the progress of implementation of projects and activities under the HPMP,
- Interaction with relevant governmental and non-governmental organizations and stakeholders to facilitate effective implementation and monitoring of the activities under the HPMP.
- Keeping records of relevant data as well as day to day activities under the HPMP and preparing/providing reports as may be required by IAs or the Government.

Activity	Time Schedule				
	2010-11	2012-13	2014-15	2016-17	2018-19
1) Establishment of the Regulatory Environment					
2) Focused Sensitisation of Target Groups					
3) Training and Certification for HCFC Servicing					
4) Refrigerant Recovery/Retrofit Project (RRRP)					
5) End-User Incentive Programme (EUIP)					
6) Monitoring and Technical Support to above Components					

SECTION III: TOTAL BUDGET AND WORKPLAN (2010-2011)

Table 2 below (page 9) covers the activities to be implemented by UNDP in 2010/2011 period of Stage 1 Implementation Programme.

Equipment

The list of items of equipment to be procured for proposed service centres (SCs) under Activity 4 (Refrigerant Recovery/Retrofit Project (RRRP)) and the estimated costs are provided in Appendix D to the HPMP document.

Service Centres

Table 3 below provides the list of the proposed SCs.

CITY	No. of Centres	CITY	No. of Centres
Accra	3	Sunyani	1
Tema	2	Ho	1
Kumasi	3	Tamale	1
Takoradi/Mines	2	Upper East	1
Koforidua	1	Upper West	1
Total		16	

It is to be noted that the above list of cities and distribution of centres are indicative. The actual distribution of the centres by city and by number will depend on the level of approved funds for the RRRP relative to the originally estimated costs.

Quarterly plan and Budget (Italy)

The quarterly work plan and budget for the MLF and the GOI for the period 2010-2011 is provided in Table 4 below.