

UNITED NATIONS DEVELOPMENT PROGRAMME

United Nations Development Programme

Country: Egypt

PROJECT DOCUMENT1

Project Title: PHASE-OUT OF THE USE OF HCFC-141b IN NON-DRM PU FOAM APPLICATIONS

Award Number: 00106347 **Project Number:** 00107118

Implementing Partner: Egyptian Environmental Affairs Agency (EEAA)

Start Date: 2018 **End Date:** 2025 **PAC Meeting date:** 6 December 2017

Brief Description

Through this project, Egypt will phase-out the remaining use of HCFC-141b in the foam sector. While under a separate project PU foam in domestic refrigeration is addressed, the same could not be done for commercial refrigeration because most of these companies are too small for individual consideration. Some of them have been added to HPMP-I but those served by distributors and/or importers have been grouped together to achieve economy of scale. With this action, the entire PU foam sector that is eligible for phase-out funding is thought to be addressed. Remaining companies are foreign owned and mostly have their own ODS phase-out program. Upon completion of this project, The Government of Egypt will forbid HCFC use in the foam sector. In addition, UNDP plans to phase-out the use of HCFCs in the extruded polystyrene plank manufacturing sector. A total of four producers have been identified and included in this project. The technology of choice is a blend of HFO-123ze and DME (60/40) which classifies as low GWP. As the HFO component is currently in short supply, the companies may use an HFC as interim solution.

IMPACT OF THE PROJECT ON COUNTRY'S MONTREAL PROTOCOL OBLIGATIONS:

Execution of this plan phases out the use of 125 t/y HCFC-141b at baseline conditions (2015) and thus contributes considerable to the HCFC Phase-out Management Plan (HPMP-II).

Prepared by: UNDP/NOU

Date: March 27, 2017

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Contributing Outcome (UNDAF/CPD, RPD or GPD):

UNDAF outcome 5.2:

The Government of Egypt, private sector and civil society have complied with Multilateral Environmental Agreements, adopted policies, and implemented operational measures towards a green and sustainable economy and society, including, among the others, EE, RE, low carbon cleaner technologies, SWM, POPs, ODS, and CDM

UNDP Strategic Plan outcome 1/ Output 1.3:

Solutions developed at national and sub-national levels for sustainable management of natural resources, ecosystem services, chemicals and waste

CPD Outcome 43:

The Government of Egypt, private sector and civil society have complied with Multilateral Environmental Agreements, adopted policies, and implemented operational measures towards a green and sustainable economy and society.

Project specific output:

The objective of this project is to phase out the use of HCFC 141b, 142b and RR22 in eligible PU foam application in Egypt by using non-ODS/low GWP technologies and, in this way contribute to Egypt's compliance with the Montreal Protocol HCFC phase out obligations will sharply reducing the industry's contribution to global warming.

Management Arrangement: NIM

Total resources required: USD 3,695,722.00


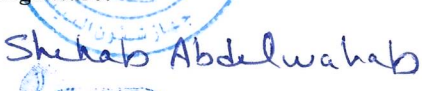

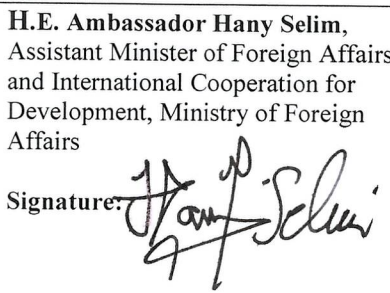
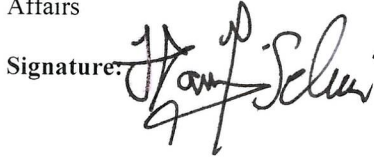
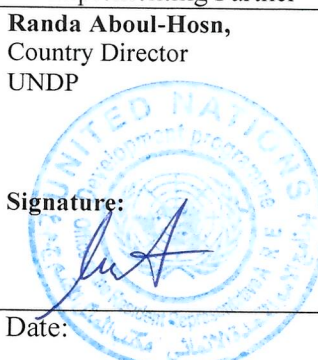
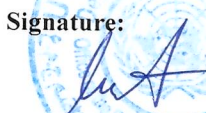
Total allocated resources:

- Regular _____
- Other:
 - Donor Montreal Protocol
 - Government _____

Unfunded budget: _____

In-kind Contributions: _____

Agreed by (signatures)¹:

Government	UNDP	Implementing Partner
Mr. Mohamed Shehab Abdel Wahab, Executive Officer Egyptian Environmental Affairs Agency Ministry of Environment  Signature:  Date: 	H.E. Ambassador Hany Selim, Assistant Minister of Foreign Affairs and International Cooperation for Development, Ministry of Foreign Affairs  Signature:  Date: _____	Randa Aboul-Hosn, Country Director UNDP  Signature:  Date: _____