



## COUNTRY PROGRAMME ACTION PLAN 2016-2020



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### ANNUAL PROGRESS REPORT 2018

HCFC Phase-out Management Plan (HPMP) Stage 1

Award ID: 00065926

Project ID: 00082252

#### PROJECT DESCRIPTION (500 characters max):

Through a combination of interventions towards reducing Malaysia's dependence and usage on Hydrochlorofluorocarbon (HCFC) gases, this project is to assist Malaysia to meet the compliance of the 2013 and 2015 control targets in the Montreal Protocol.

#### UNDP MALAYSIA CPAP OUTCOME:

- Inclusive Growth & Development  
 Sustainable & Resilient Development

#### 11<sup>th</sup> MALAYSIA PLAN STRATEGIC THRUST:

#### GENDER MARKER RATING:

#### PROJECT PROFILE

##### PROJECT PERIOD:

Jan 2012 – Dec 2016

##### REVISED PERIOD (if any):

Jan 2012 – Dec 2017

##### PROJECT BUDGET:

USD 9,587,470

##### REVISED BUDGET (if any):

-

##### 2018 BUDGET (AWP):

USD 703,662

##### Revised 2018 budget amount:

##### IMPLEMENTING PARTNER:

Department of Environment (DOE)

##### NATIONAL PROJECT DIRECTOR:

Mashitah Darus,  
Director,  
Air Division, Department of Environment

##### NATIONAL STEERING COMMITTEE CHAIR:

[TBD]  
Secretary-General, MLWNR

#### PROJECT IMPLEMENTATION

2018 UTILIZATION (AS OF 20<sup>th</sup> December 2018): USD 572,268.95

RATIO OF 2018 BUDGET (%): 6%

PROJECT UTILIZATION TO-DATE: USD 9,587,470

RATIO OF TOTAL BUDGET (%):  
100%

#### PROJECT STATUS

Project scheduled for Year 1 implementation in 2018	National/Project Steering Committee Meetings: 1. 5/12/2017
Project scheduled for Year 2 and above implementation in 2019	
Project scheduled for completion in 2018, but extended to 2019	
Project completed in 2018	



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### Project Outcome Snapshot

Outcome Description	2017	2018
<b>Outcome 1:</b> Net sustainable reductions of minimum 77.36 ODP tonnes in the national HCFC consumption by 2016, contributing to Malaysia's compliance with the control targets for HCFC.		
Output 1: Project management and coordination	<input type="checkbox"/> On Track <input type="checkbox"/> Off Track <input checked="" type="checkbox"/> Achieved <input type="checkbox"/> Not Achieved	<input type="checkbox"/> On Track <input type="checkbox"/> Off Track <input checked="" type="checkbox"/> Achieved <input type="checkbox"/> Not Achieved
Output 2: Phase-out of HCFC consumption in the Polyurethane Foams Sector	<input type="checkbox"/> On Track <input type="checkbox"/> Off Track <input checked="" type="checkbox"/> Achieved <input type="checkbox"/> Not Achieved	<input type="checkbox"/> On Track <input type="checkbox"/> Off Track <input checked="" type="checkbox"/> Achieved <input type="checkbox"/> Not Achieved
Output 3: Technical Assistance to the servicing sector.	<input type="checkbox"/> On Track <input type="checkbox"/> Off Track <input checked="" type="checkbox"/> Achieved <input type="checkbox"/> Not Achieved	<input type="checkbox"/> On Track <input type="checkbox"/> Off Track <input checked="" type="checkbox"/> Achieved <input type="checkbox"/> Not Achieved

### Scheduled evaluation & assurance activity

Activity	Yes/No	Year	Ratings/Results
HACT Assurance Activity: [spotcheck/audit]			
Evaluation: [MTR/TE/Others: ]			
Project Implementation Review			
Others:			

### ANNEX

Please list additional documentation included in this report (including NSC meeting minutes; PIR report summary; additional project reporting including list of activities)

1. Minutes of Meeting for the 47<sup>th</sup> National Steering Committee for the Implementation of Montreal Protocol



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### SECTION 1: 2018 PROGRESS REPORT NARRATIVE

Describe the project's progress of outcomes and/or outputs in outlined in the Annual Work Plan since the MYPR.

Describe the issues and challenges faced, and the project management response.

Outcome 1: Net sustainable reductions of minimum 77.36 ODP tonnes in the national HCFC consumption by 2016, contributing to Malaysia's compliance with the control targets for HCFC.	Progress Status
<p>Output 1: Project management and coordination</p> <ul style="list-style-type: none"> <li>i) Phase out target was already achieved at 103.03 ODP tonnes in total of HCFC consumption reduction in 2016</li> <li>ii) Output 1 target for 2018 was to complete capacity building activities such as training and awareness activities as per AWP 2018:</li> <li>iii) Training of Customs and enforcement officers, 25 – 28 March 2018, Pulau Pinang (47 officers)</li> <li>iv) Printing of awareness materials, banner, leaflet and training manual for technician in Refrigerant and Air-Conditioning (RAC) sector.</li> </ul> <p><i>Indicate output target(s) that was not implemented or amended, and mitigating/adaptive actions taken by project:</i></p> <p>Targets achieved</p>	<p><input checked="" type="checkbox"/> Achieved <input type="checkbox"/> On track <input type="checkbox"/> Off track</p> <p>Project Target: Phased out 103.03 ODP tonnes of HCFC in the national HCFC consumption by 1 January 2016.</p>
<p>Output 2: Phase-out of HCFC consumption in the Polyurethane Foams Sector</p> <ul style="list-style-type: none"> <li>i) Study Tour to China for 13 Foam enterprises and 3 system houses including 2 Ozone officers, 12-15 March 2018.</li> <li>ii) Appointed International consultant for Consultation session to assist in technology conversion to foam recipients, 25 September 2018.</li> </ul> <p><i>Indicate output target(s) that was not implemented or amended, and mitigating/adaptive actions taken by project:</i></p>	<p><input checked="" type="checkbox"/> Achieved <input type="checkbox"/> On track <input type="checkbox"/> Off track</p> <p>Output Target: HCFC 141b phase out contributes to 94.6 ODPT @ 91.8% of phase out target of 103.03 ODP tonnes of HCFC in the national HCFC consumption by 1 January 2016.</p>
<p>Output 3: Technical Assistance to the servicing sector</p> <ul style="list-style-type: none"> <li>i) Refresher Course for Master Trainers of CSTP Program in Refrigeration and Air-Conditioning Sector (RACs)</li> <li>ii) Roadshow on Refrigerant Management and Reclamation in MAC Sector in Kuala Lumpur, Kuantan, Johor Bahru, Penang, Kota Kinabalu and Kuching (total participants: 1200)</li> <li>iii) Seminar on Refrigerant Phase Out Way Forward in Malaysia 2018 in Thistle Hotel, Johor Bharu (6<sup>th</sup> February 2018) (total participants: 150)</li> </ul>	<p><input type="checkbox"/> On Track <input type="checkbox"/> Off Track <input checked="" type="checkbox"/> Achieved <input type="checkbox"/> Not Achieved</p> <p>Project Target: HCFC 22 phase out contributes to 17.25 ODPT@ 8.2% of phase out 103.03 ODP tonnes of HCFC in the national HCFC</p>



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- |  |                                |
|--|--------------------------------|
| <ul style="list-style-type: none"><li>iv) Roadshow on Halon Management and Safety Standard on Flammable Refrigerant 2678:2017- Code of Practice in Kuala Lumpur, Johor Bahru, Kuala Terengganu, Penang , Kota Kinabalu and Kuching (total participants: 1200):</li><li>v) Study Tour to Daikin Training in Japan for 20 Master trainers from 20 ATCs and 2 Ozone officers, 27 Feb- 2 Mac 2018.</li><li>vi) Procurement of 168 units of R32 Air-conditioners and tools for 44 ATCs inclusive of training</li><li>vii) Procurement of 23 Recycle &amp; Reclamation (R&amp;R) machines for 13 ATCs in Sabah, Sarawak, Terengganu, Pahang and Selangor</li></ul> | consumption by 1 January 2016. |
|--|--------------------------------|

*Indicate output target(s) that was not implemented or amended, and mitigating/adaptive actions taken by project:*



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### SECTION 2: 2018 Project Progress/Contribution to National Development Agenda

- 1.1 Please elaborate project's contribution to the review/revision/formulation of national or sectoral policies, strategies and action plans, in line with the mid-term review of the 11<sup>th</sup> Malaysia Plan and relevant sectoral policies.

In response to Montreal Protocol requirements, policies and strategies were set :

- i) Developed regulations for the control of permit and licensing of importation and exportation of controlled substances;
- ii) Established quota system for the monitoring and use of the controlled substances;
- iii) Strengthening of regulations through amendments of Environmental Quality Act (EQA) 1974;
- iv) Requirement for certification under EQA (Refrigerant Management) 1999 for technicians handling refrigerants under the Refrigeration and Air Conditioning (RAC) Sector;
- v) Promotes the use of non-ODS substitutes and alternatives in industries through consultations, seminars and dialogues from the policies and strategies developed.

- 1.2 Please indicate activities undertaken by the project to strengthen and enhance capacity and technical knowledge on key development challenges/thematic issues/cross-cutting issues.

(Please attach as annex a full list of consultation/training/workshop events. See attached Capacity Building Activity Template)

*See attachment*

- 1.3 What has the project done in 2018 to build/strengthen capacity to implement or sustain systemic changes? (Institutional Capacity Development)

- i) Inter-Regional Thematic and Network Meeting, 15 – 20 January 2018, Paris;
- ii) Workshop For HCFC Phase Out Management And Technology Introduction In PU Foam Sector Between China And Malaysia, 12 March 2018, Beijing, China;
- iii) Joint Network Meeting of National Ozone Officers of South Asia, South-East Asia and West Asia, 8-10 April 2018, Beijing, China.

- 1.4 What has the project done in 2018 to generate/develop or improve/update datasets, statistics and models? Please indicate their utilization by Implementing Partner to strengthen national evidence-based policymaking.

*Not Applicable (N/A).*



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- 1.5 Please elaborate on project's efforts to mainstream gender equality through project outputs and activities in 2018. E.g. having equitable participation; generating sex-disaggregated data; planning gender analysis on outputs or gender sensitization to stakeholders.

Gender mainstreaming is not included as one of the targets as project mainly focused on technological interventions to phase out HCFC consumption in various related sectors. Nevertheless, wherever possible the implementation project would ensure equal opportunities given especially to women and vulnerable groups to participate in awareness activities, trainings or workshops, recruitment, job opportunities and access to technical assistance.

- 1.6 What has the project done in 2018 to develop or demonstrate/pilot new and/or innovative approaches and solutions? Please indicate how they have contributed to inform decision- and policymaking, and if it has led to actual/planned upscaling or replication.

*Not Applicable (N/A).*

- 1.7 Has the project Risk Analysis been reviewed and updated? Please indicate status critical risks in 2018. (please consult with UNDP CO support)

Updated in ATLAS

- 1.8 Please indicate any additional comments on areas of improvement that should be taken into consideration by EPU and UNDP Malaysia in the implementation of future projects.



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### SECTION 3: JUSTIFICATION FOR EXTENSION (for projects scheduled for completion this year)

Please indicate reasons for the project extension:

Proposed duration of extension: [xx] months

Agreement by National Steering Committee:

Date of meeting: (minutes attached in Annex)

Annual Progress Report 2018 approved by:

Name:

MASHITAH DARUS  
DIRECTOR AIR DIVISION  
DEPARTMENT OF ENVIRONMENT  
MALAYSIA

Designation:

Date:

7.1.2019



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### FOR UNDP USE

#### UNDP Observations and Assessment

*For UNDP Programme Management to comment on the reported contributions and activity progress by IP as Quality Assurance assessment*

#### Section 1: Overall Implementation of Project Outputs as per Signed Annual Work Plan 2018

##### Outcome 1:

The project has already achieved reductions of 111.85 ODP tonnes in HCFC consumptions, higher than original target at 77.36 ODP tonnes. For 2018, target was set to complete training and awareness activities and has also been achieved as per AWP2018.

##### Outcome 2:

International consultant was appointed to provide technical assistance for selected SMEs in foam sector through site visit and workshop during Ozone Day celebration organized by DOE.

##### Outcome 3:

All planned training on refrigerant management for technician in servicing sector planned for 2018 have been conducted successfully. Procurement of tools and recovery units for ATC was also completed and delivered as plan.

#### Section 2: Project Progress/Contribution towards National Development Agenda in 2018

As the target on HCFC reduction has already been achieved in 2017, activities for 2018 mainly focus on capacity building such as training and awareness program, certification of technicians and technical assistance for foam and RAC sector, including the appointed ATCs. No significant issues and project progress well as per planned AWP 2018.

Prepared by:

  
**Asfaazul Kasbani**

Assistant Resident Representative

[Programme Manager]

UNDP Malaysia