



# COUNTRY PROGRAMME ACTION PLAN 2016-2020



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## MID-YEAR PROGRESS REPORT 2018

### PROJECT PROFILE

**PROJECT TITLE:** HCFC Phase-out Management Plan (HPMP) Stage 2

**AWARD ID:** 00098730

**PROJECT ID:** 00101950

**PROJECT PERIOD:**

July 2017 – Dec 2021

**REVISED PERIOD (if any):**

**PROJECT BUDGET:**

USD 6,138,063

USD 300,000 (in-kind)

**REVISED BUDGET (if any):**

-

**2018 BUDGET (AWP):**

USD 1,366,250

**IMPLEMENTING PARTNER:**

Department of Environment (DOE)

**NATIONAL PROJECT DIRECTOR:**

Mashitah Darus, Director, Air Division, DOE

**NATIONAL STEERING COMMITTEE CHAIR:**

Dato Sri Azizan b Ahmad  
Secretary-General, Ministry of Natural Resources and the Environment

**NSC MEETING(S) HELD:**

**[22 Mei 2018]**

minutes attached

**UNDP MALAYSIA CPAP OUTCOME:**

Inclusive Growth & Development

Sustainable & Resilient Development

**11<sup>TH</sup> MALAYSIA PLAN STRATEGIC**

**THRUSTS:**

Enhancing inclusiveness towards an equitable society

Improving wellbeing for all

Accelerating human capital development for an advanced nation

Pursuing green growth for sustainability and resilience

Strengthening infrastructure to support economic expansion

Re-engineering economic growth for greater prosperity

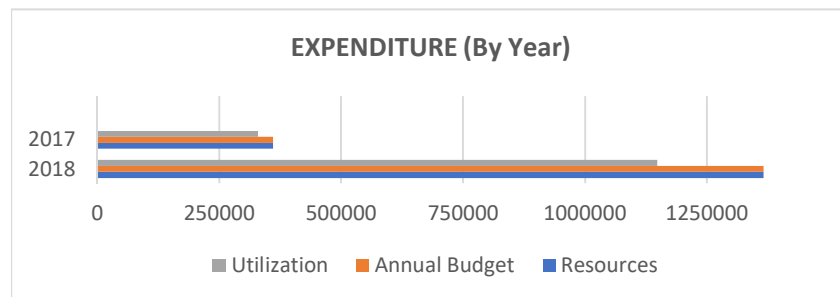
### PROJECT DESCRIPTION (500 words max):

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

### PROJECT IMPLEMENTATION OVERVIEW

#### EXPENDITURE:

YEAR	BUDGET	UTILIZATION	RATIO (%)
2017	\$360,500	\$329,584	91
2018	\$1,366,250	\$1,148,194	84
CUMULATIVE	\$6,438,063	\$1,477,778	23



#### Project Outcome Snapshot

Component/Outcome & Total Outputs	Achieved (Output #)	On Track (Output #)	Off Track (Output #)	Not Achieved (Output #)
Outcome 1: Total outputs: 3		3		

List the outputs under outcomes in page 2.

#### Risk Management

Date Identified	Type	Management Response
[no risks identified since 2013]	[no risks identified since 2013]	[no risks identified since 2013]



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### Project Outcome Snapshot (expanded)

Outcome Description	2017	2018
<b>Outcome 1:</b> Net sustainable reductions of minimum 146.24 ODP tonnes in the national HCFC consumption by 1 <sup>st</sup> January 2022, contributing to Malaysia's compliance with the post 2015 control targets for HCFCs.		
Output 1: Conversion of PU Foam Sector	<input type="checkbox"/> On Track <input type="checkbox"/> Off Track <input checked="" type="checkbox"/> Achieved <input type="checkbox"/> Not Achieved	<input checked="" type="checkbox"/> On Track <input type="checkbox"/> Off Track <input type="checkbox"/> Achieved <input type="checkbox"/> Not Achieved
Output 2: Technical Assistance	<input type="checkbox"/> On Track <input type="checkbox"/> Off Track <input checked="" type="checkbox"/> Achieved <input type="checkbox"/> Not Achieved	<input checked="" type="checkbox"/> On Track <input type="checkbox"/> Off Track <input type="checkbox"/> Achieved <input type="checkbox"/> Not Achieved
Output 3: Project Management and Co-ordination	<input type="checkbox"/> On Track <input type="checkbox"/> Off Track <input checked="" type="checkbox"/> Achieved <input type="checkbox"/> Not Achieved	<input checked="" type="checkbox"/> On Track <input type="checkbox"/> Off Track <input type="checkbox"/> Achieved <input type="checkbox"/> Not Achieved

### RISK MANAGEMENT (EXPANDED)

Date Identified	Type	Management Response
[no risks identified since 2013]	[no risks identified since 2013]	[no risks identified since 2013]

### ANNEX

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

1. 47<sup>th</sup> National Steering Committee Meeting



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### MID-YEAR REPORT NARRATIVE

*Describe the project's achievements of outputs in 2018, with brief descriptions of progress of planned activity results for the year. Please highlight any contributions to gender made if any.*

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

<p>Component/Outcome 1: Net sustainable reductions of minimum 146.24 ODP tonnes in the national HCFC consumption by 1<sup>st</sup> January 2022, contributing to Malaysia's compliance with the post 2015 control targets for HCFCs.</p>	<p>Progress Status</p>
<p>Output 1: Conversion of PU Foam Sector</p> <p>a. 9 Foam enterprises above 20 MT have completed First and 2<sup>nd</sup> milestone</p> <p>b. 1 enterprise has completed the conversion using cyclopentane as blowing agent. Tonnage phased-out: 35.12 ODP</p> <p><b>Issues &amp; Challenges:</b> All enterprises expected to complete 3<sup>rd</sup> milestone by September but 4 enterprises requested extension until October/November due to challenges in planning for location and space for new technology installation. Most of the enterprises are also small and medium industries which have limitation in the capital cost of conversion and knowledge on new alternatives and safety handling.</p> <p><b>Action Taken by implementing Partner:</b></p> <ol style="list-style-type: none"> <li>1. Regular consultations and encourage system providers to assist the enterprises on the technology conversion. Allow the enterprises to choose the machines affordable by them and give ample time and some flexibility on the milestones to complete the project.</li> <li>2. To conduct Seminar on sharing of experience by the enterprises whom has participated in the Study Tour in Foam Sector in China.</li> <li>3. To conduct Safety Training and Seminar on Flammability of Hydrocarbon (HC) for foam sector with the cooperation of international experts.</li> </ol> <p><b>Additional Support Requested from UNDP/ EPU:</b> Engage International experts to provide technical assistance to the enterprises</p> <p><b>UNDP Management Response:</b> International expert appointed and will do consultation workshop to all foam enterprises in September 2018</p>	<p><input type="checkbox"/> Achieved <input checked="" type="checkbox"/> On track <input type="checkbox"/> Off track</p> <p>Output Target: 2018 AWP</p>



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<p>Output 2: Technical Assistance</p> <ol style="list-style-type: none"> <li>e-CSTP (Certification of Service Technician Program) produced 1169 certified technicians. 74 training sessions were conducted by 51 ATC</li> <li>Procurement of tools and equipment for two Centres of Excellence (COE) <ul style="list-style-type: none"> <li>UniKL Bangi and ILP Kepala Batas</li> </ul> </li> <li>Capacity Building for the Master Trainers from appointed COEs - Training on Flammable Refrigerant in GIZ, Germany</li> </ol> <p><b>Issues &amp; Challenges:</b> Flammability of new refrigerant and capability of technicians to handle it are the most concerned issues in RAC servicing sector. Besides reclamation and recycling of refrigerants needs to be encouraged to reduce imports of HCFC</p> <p><b>Action Taken by implementing Partner:</b> Organize seminar and training to enhance skill and awareness of technicians and master trainers. Provide equipment and tools to the training centers (ATC) and develop 2 Centre of Excellence (COE) in UniKL for refrigeration sector and ILP Kepala Batas for air-conditioning sector for the flammable refrigerants.</p> <p><b>Additional Support Requested from UNDP/ EPU:</b> Technical support and assistance in procurement of tools and equipment</p> <p><b>UNDP Management Response:</b> UNDP procured tools and equipment for selected ATCs and COEs</p>	<input type="checkbox"/> Achieved <input checked="" type="checkbox"/> On track <input type="checkbox"/> Off track  Output Target: 2018 AWP
<p>Output 3: Project Management and Co-ordination</p> <ol style="list-style-type: none"> <li>PMU was set up with 2 project assistants appointed and a consultant already on-board based at NOU</li> <li>12 monitoring visits conducted at project sites</li> </ol> <p><b>Issues &amp; Challenges:</b> No significant issue</p> <p><b>Action Taken by implementing Partner:</b> Regular monitoring and site visits</p> <p><b>Additional Support Requested from UNDP/ EPU:</b> N/A</p> <p><b>UNDP Management Response</b> No further action required</p>	<input type="checkbox"/> Achieved <input checked="" type="checkbox"/> On track <input type="checkbox"/> Off track  Output Target:

Mid Year Progress Report 2018 Approved by:

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Name:

MASHITAH DARUS  
DIRECTOR AIR DIVISION  
DEPARTMENT OF ENVIRONMENT  
MALAYSIA

Designation:

Date:

9/7/18