



COUNTRY PROGRAMME ACTION PLAN 2016-2020



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ANNUAL PROGRESS REPORT 2018

Second Biennial Update Report on Climate Change

Award ID: 00100159

Project ID: 00103239

PROJECT DESCRIPTION (500 characters max):

To assist Malaysia in mainstreaming and integrating climate change considerations into national and sectorial development process, giving continuity to the institutional and technical capacity strengthening process for climate change.

UNDP MALAYSIA CPAP OUTCOME: <input type="checkbox"/> Inclusive Growth & Development <input checked="" type="checkbox"/> Sustainable & Resilient Development	11th MALAYSIA PLAN STRATEGIC THRUST: Pursuing green growth for sustainability and resilience	GENDER MARKER RATING:
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PROJECT PROFILE

PROJECT PERIOD: July 2017 – June 2019		REVISED PERIOD (if any):	
PROJECT BUDGET: USD 352,000 (GEF) USD 204,000 (Cost-sharing cash)	REVISED BUDGET (if any): -	2018 BUDGET (AWP): USD 200,500 (GEF) USD 102,000 (Cost-sharing Cash)	Revised 2018 budget amount: USD 118,400 (GEF)

IMPLEMENTING PARTNER: Ministry of Energy, Science, Technology, Environment and Climate Change (MESTECC)	
NATIONAL PROJECT DIRECTOR: Jaya Singam Rajoo, Under Secretary, Environmental Management and Climate Change Division, MESTECC	NATIONAL STEERING COMMITTEE CHAIR: [TBD]

PROJECT IMPLEMENTATION

2018 UTILIZATION (AS OF 31 December 2018): USD 82,733.66	RATIO OF 2018 BUDGET (%): 69.8%
PROJECT UTILIZATION TO-DATE: USD 82,733.66	RATIO OF TOTAL BUDGET (%): 23.5%

PROJECT STATUS

	Project scheduled for Year 1 implementation in 2018	National/Project Steering Committee Meetings: 23.3.2018
X	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
Outcome 1: Institutional arrangements strengthened, information on national circumstances updated		
Output 1: Institutional arrangements strengthened and the process of transitioning to a permanent national entity initiated	<input checked="" type="checkbox"/> On Track <input type="checkbox"/> Off Track <input 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: Coordination among stakeholders at all levels strengthened	<input checked="" type="checkbox"/> On Track <input type="checkbox"/> Off Track <input 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: Information on features of Malaysia's geography, climate, governance, demography, natural resources and land use, economy, infrastructure and relevant policies to climate change mitigation updated.	<input checked="" type="checkbox"/> On Track <input type="checkbox"/> Off Track <input 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
Outcome 2: National GHG inventory strengthened and described and inventory data updated		
Output 1: GHG data for five sectors collected: energy; industrial process and product use; AFOLU agriculture; AFOLU forestry and other land use; and waste	<input checked="" type="checkbox"/> On Track <input type="checkbox"/> Off Track <input 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: GHG inventory for Year 2014 developed according to 2006 IPCC guidelines and time series for 1990-2014 developed	<input checked="" type="checkbox"/> On Track <input type="checkbox"/> Off Track <input 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: Team of national reviewers for GHG inventory established	<input checked="" type="checkbox"/> On Track <input type="checkbox"/> Off Track <input 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 4: Capacity of national experts strengthened.	<input checked="" type="checkbox"/> On Track <input type="checkbox"/> Off Track <input 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 5: Capacity on determining emission factors for key economic activities strengthened	<input checked="" type="checkbox"/> On Track <input type="checkbox"/> Off Track <input 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 6: Collection of missing historical activity data from key sectors and inclusion of subsectors that are not yet reported in GHG Inventory Improvement Plan	<input checked="" type="checkbox"/> On Track <input type="checkbox"/> Off Track <input 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 7: Centralised data collection and compilation mechanism strengthened to allow the continued collection of GHG information	<input checked="" type="checkbox"/> On Track <input type="checkbox"/> Off Track <input 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 8: GHG inventory report developed for the BUR2	<input checked="" type="checkbox"/> On Track <input type="checkbox"/> Off Track <input 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
Outcome 3: Increased capacity in identifying and quantifying mitigation actions and their effects, and in MRV		



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Outcome Description	2017	2018
Output 1: Information on mitigation actions or group of actions being developed, updated, encompassing objectives, progress of implementation, progress indicators, methodologies and assumptions and results achieved.	<input checked="" type="checkbox"/> On Track <input type="checkbox"/> Off Track <input 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: Mitigation actions listed in the BUR2 linked to the INDC	<input checked="" type="checkbox"/> On Track <input type="checkbox"/> Off Track <input 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: Data on mitigation actions analysed according to effects	<input checked="" type="checkbox"/> On Track <input type="checkbox"/> Off Track <input 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 4: National registry to record mitigations actions/NAMAs developed	<input checked="" type="checkbox"/> On Track <input type="checkbox"/> Off Track <input 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 5: Domestic MRV system enhanced for mitigation actions/NAMAs listed in the BUR2	<input checked="" type="checkbox"/> On Track <input type="checkbox"/> Off Track <input 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 6: Chapter on mitigation action and their effects in BUR2 completed.	<input checked="" type="checkbox"/> On Track <input type="checkbox"/> Off Track <input 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
Outcome 4: Constraints and gaps, and related financial, technical, and capacity needs and support, identified; and solutions for addressing the needs proposed.		
Output 1: Establishment of a coordinating body for the identification of needs and support received	<input checked="" type="checkbox"/> On Track <input type="checkbox"/> Off Track <input 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: Constraints and gaps, and related financial, technical, and capacity needs and support, are identified and assessed	<input checked="" type="checkbox"/> On Track <input type="checkbox"/> Off Track <input 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: Recommendations to needs proposed	<input checked="" type="checkbox"/> On Track <input type="checkbox"/> Off Track <input 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 4: Establishment of a mechanism to account for support received	<input checked="" type="checkbox"/> On Track <input type="checkbox"/> Off Track <input 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 5: Information on financial resources, technology transfer, capacity building and technical support received from bilateral and multilateral donors for activities related to climate change updated	<input checked="" type="checkbox"/> On Track <input type="checkbox"/> Off Track <input 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
Outcome 5: Development, publication, and dissemination of the BUR2 report		
Output 1: Monitoring and evaluation conducted in accordance with GEF requirements	<input checked="" type="checkbox"/> On Track <input type="checkbox"/> Off Track <input 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



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Outcome Description	2017	2018
Output 2: End of project report developed including compilation of lessons learned and recommendations for future projects	<input checked="" type="checkbox"/> On Track <input type="checkbox"/> Off Track <input 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: BUR prepared and submitted according to the guidelines contained in Annex III of Decision 2/CP.17	<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 4: Public awareness activities conducted	<input checked="" type="checkbox"/> On Track <input type="checkbox"/> Off Track <input 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
Outcome: Project Management		
Output 1: Project Management	<input checked="" type="checkbox"/> On Track <input type="checkbox"/> Off Track <input 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

Scheduled evaluation & assurance activity

Activity	Yes/No	Year	Ratings/Results
HACT Assurance Activity: [spotcheck]	Yes	2018	HACT spotcheck has been carried out for year 2017 with no major issues identified. The HACT spotcheck team has made some recommendations, including the following: 1) to file actual participant lists for event activities, and 2) to confirm on government policy regarding travel.
Evaluation: [MTR/TE/Others:]	N/A	-	
Project Implementation Review	N/A	-	
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. NSC Meeting Minutes- 23 March 2018



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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: Institutional arrangements strengthened, information on national circumstances updated	Progress Status
<p>Output 1.1: Institutional arrangements strengthened and the process of transitioning to a permanent national entity initiated</p> <p>The institutional arrangements for the Second Biennial Update Report (BUR2) project consists of a Project Steering Committee, a Project Management Group and four Technical Working Groups (TWGs). The TWGs are:</p> <ol style="list-style-type: none"> a. TWG on National Greenhouse Gas (GHG) Inventory; b. TWG on Mitigation; c. TWG on Measurement, Verification and Reporting (MRV); and d. TWG on Finance and Needs. <p>The Committee members for NSC, TWGs and SWGs under the NC3/BUR project have remained for the BUR2 project. The formal re-appointments of the National Steering Committee, Technical Working Groups and Sub Working Groups are still in progress. The delay in the reappointments are partly caused by the 14th General Elections in May 2018, with the formation of the Cabinet in July 2018. Following the results of the general election, a new government was formed, and this has led to changes in the names and portfolio of a number of ministries and agencies. There has been some government restructuring in some Ministries, and the Environment Management and Climate Change Division has been moved to the Ministry of Energy, Science, Technology, Environment and Climate Change (MESTECC).</p>	<p><input type="checkbox"/> Achieved <input checked="" type="checkbox"/> On track <input type="checkbox"/> Off track</p> <p>Output Target: Institutional arrangements strengthened and the process of transitioning to a permanent national entity initiated</p>
<p>Output 1.2: Coordination among stakeholders at all levels strengthened</p> <p>An inception workshop was organized on the 9th of January 2018 with the purpose of discussing the institutional framework relating to the preparation of the BUR2 report and the programmes that will be carried out under the BUR2 project and identifying coordination issues. Other than that, the project organized the following workshops in 2018 which have led to increased coordination among stakeholders:</p> <ol style="list-style-type: none"> 1. Workshops on Forest Reference Level, 5-6 June 2018; 2. Consultation Workshop on GHG Inventory for LULUCF sector, 11-12 October 2018; 3. Capacity building of the negotiating team for COP24, 15-16 November 2018. 	<p><input type="checkbox"/> Achieved <input checked="" type="checkbox"/> On track <input type="checkbox"/> Off track</p> <p>Output Target: Coordination challenges among stakeholders at all levels resolved</p>



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<p>Output 1.3: Information on features of Malaysia's geography, climate, governance, demography, natural resources and land use, economy, infrastructure and relevant policies to climate change mitigation updated.</p> <p>The chapter on Malaysia's national circumstances for the BUR2 report, including on its geography & climate, economy, international trade, energy, transport, agriculture, forester, waste and institutional arrangements has been completed. The work was conducted in conjunction with the Third National Communication report, as according to the UNFCCC (decision 2/CP.17), if the Biennial Update Report is submitted in the same year as the National Communication, the Biennial Update Report can be a summary of the National Communication. Information on national circumstances were prepared for the years up to 2015 for sectors where published data are available.</p>	<p> <input type="checkbox"/> On Track <input type="checkbox"/> Off Track <input checked="" type="checkbox"/> Achieved <input type="checkbox"/> Not Achieved </p> <p>Output Target: information on features of Malaysia's geography, climate, governance, demography, natural resources and land use, economy, infrastructure and relevant policies to climate change mitigation and adaptation updated</p>
<p>Outcome 2: National GHG inventory strengthened and described and inventory data updated</p>	<p>Progress Status</p>
<p>Output 2.1: GHG data for five sectors collected: energy; industrial process and product use; AFOLU agriculture; AFOLU forestry and other land use; and waste</p> <p>The GHG inventory was prepared according to the 2006 IPCC Guidelines for National Inventory and contains time series for all the 5 sectors from 1990-2014. The Technical Annex containing the tables according to the IPCC format for BUR2 has also been completed. This was done in conjunction with the Third National Communication report.</p> <p>The project is developing the 2015 and 2016 national GHG inventory according to the 2006 IPCC Guidelines and updating of the time series for 1990-2016. Consultancies/contracts have been awarded to FRIM, MARDI and DOE for preparation of the LULUCF, Agriculture and Waste Sector inventory respectively. The inception report, 1st progress report and 2nd draft report for the 2015 and 2016 GHG inventory for three sectors have been received.</p> <p>The contracts to prepare the GHG Inventory for 2015 and 2016 for the Energy and IPPU sectors are still in process of being awarded to consultants.</p>	<p> <input checked="" type="checkbox"/> On Track <input type="checkbox"/> Off Track <input type="checkbox"/> Achieved <input type="checkbox"/> Not Achieved </p> <p>Output Target: GHG data for five sectors collected: energy, IPPU, agriculture, forestry and other land use, and waste</p>
<p>Output 2.2: GHG inventory for Year 2014 developed according to 2006 IPCC guidelines and time series for 1990-2014 developed</p> <p>The GHG inventory was prepared according to the 2006 IPCC Guidelines for National Inventory and contains time series for all the 5 sectors from 1990-2014. The Technical Annex containing the tables according to the IPCC format for BUR2 has also been</p>	<p> <input type="checkbox"/> On Track <input type="checkbox"/> Off Track <input checked="" type="checkbox"/> Achieved <input type="checkbox"/> Not Achieved </p> <p>Output Target: GHG inventory for 2014 developed according to 2006 IPCC guidelines</p>



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<p>completed. This was done in conjunction with the Third National Communication report.</p>	<p>and time series for 1990-2014 developed</p>
<p>Output 2.3: Team of national reviewers for GHG inventory established</p> <p>A team of national reviewers needs to be established for the GHG inventory review and could come from the GHG compilers that have been trained and have sufficient experience in GHG inventory and the UNFCCC International Consultation and Analysis process.</p>	<p> <input type="checkbox"/> On Track <input checked="" type="checkbox"/> Off Track <input type="checkbox"/> Achieved <input type="checkbox"/> Not Achieved </p> <p>Output Target: Team of national reviewers for GHG inventory established</p>
<p>Output 2.4: Capacity of national experts strengthened</p> <p>The project organized the following workshops in 2018. The first 6 workshops were conducted together with the BUR/TNC project:</p> <ol style="list-style-type: none"> 1. Stakeholder's consultation on draft TNC and 2nd BUR report, 22-23 February 2018 2. Capacity building workshop for UNFCCC delegates, 12 April 2018 3. Meeting for the preparation of the Malaysia-Singapore Joint Committee on the Environment (MSJCE), 19 April 2018 4. Technical Working Group meeting for the preparation of a policy framework for abandoned vehicles, 19 April 2018 5. Capacity building workshop on NDC achievement in Malaysia, 20 April 2018 6. Data coordination workshop with Sarawak state government, 23-24 April 2018 7. Workshops on Forest Reference Level, 5-6 June 2018; 8. Consultation Workshop on GHG Inventory for LULUCF sector, 11-12 October 2018; 9. Capacity building of the negotiating team for COP24, 15-16 November 2018. 	<p> <input checked="" type="checkbox"/> On Track <input type="checkbox"/> Off Track <input type="checkbox"/> Achieved <input type="checkbox"/> Not Achieved </p> <p>Output Target: Capacity of national experts strengthened</p>
<p>Output 2.5: Capacity on determining emission factors for key economic activities strengthened</p> <p>Emission factors for key economic activities have been identified. Continue work plan and actions for the development of local emission factors for key economic sectors.</p>	<p> <input checked="" type="checkbox"/> On Track <input type="checkbox"/> Off Track <input type="checkbox"/> Achieved <input type="checkbox"/> Not Achieved </p> <p>Output Target: Capacity on determining emission factors for key economic activities strengthened</p>
<p>Output 2.6: Collection of missing historical activity data from key sectors and inclusion of subsectors that are not yet reported in GHG Inventory Improvement Plan</p> <p>Activities to collect missing historical activity data from key sectors is continually being reviewed and improved.</p>	<p> <input checked="" type="checkbox"/> On Track <input type="checkbox"/> Off Track <input type="checkbox"/> Achieved <input type="checkbox"/> Not Achieved </p> <p>Output Target: Collection of missing historical activity data from key sectors and inclusion of</p>



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	subsectors that are not yet reported in GHG inventory improvement plan
<p>Output 2.7: Centralised data collection and compilation mechanism strengthened to allow the continued collection of GHG information</p> <p>The GHG inventory time series data and calculation spreadsheets for the BUR2 have been compiled to form the national GHG Inventory database. These are archived as flat files as well as being transferred into the 2006 IPCC GHG Inventory software to form a consolidated national database.</p>	<input checked="" type="checkbox"/> On Track <input type="checkbox"/> Off Track <input type="checkbox"/> Achieved <input type="checkbox"/> Not Achieved Output Target: Centralised data collection and compilation mechanism
<p>Output 2.8: GHG inventory report developed for the BUR2</p> <p>The National GHG Inventory chapter has been completed for the BUR2 report. A GHG Inventory technical annex has also been prepared which shows the summary, sectoral, background and time series tables required under Decision 2/CP17. This was done in conjunction with the TNC project and using TNC funds. Sectoral GHG inventory reports for base year 2014 was also produced, and a combined National Inventory Report (NIR) was also produced.</p>	<input type="checkbox"/> On Track <input type="checkbox"/> Off Track <input checked="" type="checkbox"/> Achieved <input type="checkbox"/> Not Achieved Output Target: GHG inventory report developed for BUR2
Outcome 3: Mitigation actions or group of actions being developed	Progress Status
<p>Output 3.1: Information on mitigation actions or group of actions being developed, updated, encompassing objectives, progress of implementation, progress indicators, methodologies and assumptions and results achieved</p> <p>The work on mitigation for the TNC report and BUR2 report has been carried out through the TWG on Mitigation with the help of UNITEN and MGTC as consultants for emissions projections until 2050 and quantifying the mitigation actions and their effects for 2014 and 2015 and projections for 2020, 2025 and 2030 respectively. The chapter on Mitigation Actions and their Effects for the BUR2 report has been finalized, and includes details on mitigation actions, their objectives, progress & indicators, methodologies, assumptions and results achieved.</p> <p>The project aims to collect information and quantify the mitigation actions and effects and conduct emissions projections for 2016, but consultants have not been appointed for this yet. For GHG emissions projection, the continued development of a more sophisticated energy modelling (for example the TIMES model), would help to improve the accuracy of the projections.</p>	<input checked="" type="checkbox"/> On Track <input type="checkbox"/> Off Track <input type="checkbox"/> Achieved <input type="checkbox"/> Not Achieved Output Target: Information on mitigation actions or group of actions being developed, updated, encompassing objectives, progress of implementation, progress indicators, methodologies and assumptions and results achieved.
Output 3.2: Mitigation actions listed in the BUR2 linked to the INDC	<input type="checkbox"/> On Track <input type="checkbox"/> Off Track <input checked="" type="checkbox"/> Achieved <input type="checkbox"/> Not Achieved



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<p>The chapter on Mitigation Actions and their Effects for the BUR2 report has been finalized, and includes details on mitigation actions, their objectives, progress & indicators, methodologies, assumptions and results achieved. GHG emission projections until 2050 was prepared, done in conjunction with the TNC/ BUR project. The emissions projections contain options on how the NDC target of Malaysia can be achieved.</p>	<p>Output Target: Mitigation actions listed in the BUR2 linked to the INDC</p>
<p>Output 3.3: Data on mitigation actions analysed according to effects</p> <p>The chapter on Mitigation Actions and their Effects for the BUR2 report has been finalized in conjunction with the TNC/BUR project, which contains information about the description and quantification of mitigation actions and their effects for 2014 and 2015 and projections for 2020, 2025 and 2030. The project plans to gather data for the estimation of mitigation actions emissions reduction for years 2016.</p>	<p><input checked="" type="checkbox"/> On Track <input type="checkbox"/> Off Track <input type="checkbox"/> Achieved <input type="checkbox"/> Not Achieved</p> <p>Output Target: Data on mitigation actions analyzed</p>
<p>Output 3.4: Availability of information on the development of NAMA, domestic MRV and national registry system.</p> <p>The NAMA registry is currently in the form of an excel registry for the 17 mitigation actions identified and quantified in the report prepared by MGTC which has been developed under the TNC/BUR project. The registry needs to be continually updated and strengthened.</p>	<p><input type="checkbox"/> On Track <input type="checkbox"/> Off Track <input checked="" type="checkbox"/> Achieved <input type="checkbox"/> Not Achieved</p> <p>Output Target: Available information on development of NAMA, domestic MRV and national registry system where possible</p>
<p>Output 3.5: Domestic MRV system enhanced for mitigation actions/NAMAs listed in the BUR2</p> <p>The enhanced domestic MRV system is included in the final print version of the BUR2.</p>	<p><input type="checkbox"/> On Track <input type="checkbox"/> Off Track <input checked="" type="checkbox"/> Achieved <input type="checkbox"/> Not Achieved</p> <p>Output Target: Domestic MRV system enhanced</p>
<p>Output 3.6: Chapter on mitigation action and their effects in BUR2 completed</p> <p>The chapter on Mitigation Actions and their Effects for the BUR2 report has been completed at the beginning of 2018, done in conjunction with the TNC/BUR project.</p>	<p><input type="checkbox"/> On Track <input type="checkbox"/> Off Track <input checked="" type="checkbox"/> Achieved <input type="checkbox"/> Not Achieved</p> <p>Output Target: Chapter on mitigation action and their effects in BUR2 completed</p>
<p>Outcome 4: Constraints and gaps, and related financial, technical, and capacity needs and support, identified; and solutions for addressing the needs proposed.</p>	<p>Progress Status</p>
<p>Output 4.1: Establishment of a coordinating body for the identification of needs and support received</p>	<p><input checked="" type="checkbox"/> On Track <input type="checkbox"/> Off Track <input type="checkbox"/> Achieved <input type="checkbox"/> Not Achieved</p>



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<p>A coordinating body for the identification of needs and support received has not yet been established. The Terms of Reference for a Finance and Needs TWG has been approved by the NSC, and it was proposed that NRE co-chair the TWG with MoF. This proposal has not yet been finalized.</p>	<p>Output Target: Establishment of a coordinating body for the identification of needs and support received</p>
<p>Output 4.2: Constraints and gaps, and related financial, technical, and capacity needs and support, are identified and assessed</p> <p>The chapter on Constraints, Gaps, Level of Support and Needs for the BUR2 report has been completed in early 2018. Constraints, gaps and needs for GHG inventory, mitigation, vulnerability and adaptation, research and systemic observation, human resource development and technology needs has been identified.</p>	<p><input type="checkbox"/> On Track <input type="checkbox"/> Off Track <input checked="" type="checkbox"/> Achieved <input type="checkbox"/> Not Achieved</p> <p>Output Target: Constraints and gaps, and financial, technical (including technology transfer) and capacity needs are identified and assessed.</p>
<p>Output 4.3: Recommendations to needs proposed</p> <p>Recommendations to needs have been proposed in the chapter on Constraints, Gaps, Level of Support and Needs for the BUR2 report which has been completed in early 2018.</p>	<p><input type="checkbox"/> On Track <input type="checkbox"/> Off Track <input checked="" type="checkbox"/> Achieved <input type="checkbox"/> Not Achieved</p> <p>Output Target: Recommendations to needs proposed</p>
<p>Output 4.4: Establishment of a mechanism to account for support received</p> <p>This output is planned for 2019. There is a need to establish a mechanism to account for all the international support received for climate change, which currently does not exist.</p>	<p><input checked="" type="checkbox"/> On Track <input type="checkbox"/> Off Track <input type="checkbox"/> Achieved <input type="checkbox"/> Not Achieved</p> <p>Output Target: Establishment of a mechanism to account for support received</p>
<p>Output 4.5: Information on financial resources, technology transfer, capacity building and technical support received from bilateral and multilateral donors for activities related to climate change updated</p> <p>The chapter on Constraints, Gaps, Level of Support and Needs for the BUR2 report has been completed in early 2018, done together with the TNC project. However, the manner in which international funds have been channeled has not enabled tracking and clear identification of the support, so the segment only describes the support received by federal agencies to specifically address climate change. Support received at the sub-national level was reported to the extent possible, while support provided to private entities and NGOs are excluded.</p>	<p><input type="checkbox"/> On Track <input type="checkbox"/> Off Track <input checked="" type="checkbox"/> Achieved <input type="checkbox"/> Not Achieved</p> <p>Output Target: Information on financial resources, technology transfer, capacity building and technical support received from bilateral and multilateral donors for</p>



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<p>The project plans to gather information needed for the chapter on Constraints, Gaps, Level of Support and Needs for the BUR3 report.</p>	<p>activities related to climate change updated</p>
<p>Outcome 5: Development, publication, and dissemination of the BUR2 report.</p>	<p>Progress Status</p>
<p>Output 5.1: Monitoring and evaluation conducted in accordance with GEF requirements</p> <p>Monitoring and evaluation have been conducted in accordance with GEF requirements.</p>	<p> <input type="checkbox"/> On Track <input type="checkbox"/> Off Track <input checked="" type="checkbox"/> Achieved <input type="checkbox"/> Not Achieved </p> <p>Output Target: Monitoring and evaluation conducted in accordance with GEF requirements</p>
<p>Output 5.2: End of project report developed including compilation of lessons learned and recommendations for future projects</p> <p>This Output will be carried out in 2019.</p>	<p> <input checked="" type="checkbox"/> On Track <input type="checkbox"/> Off Track <input type="checkbox"/> Achieved <input type="checkbox"/> Not Achieved </p> <p>Output Target: End of project report developed including compilation of lessons learned and recommendations for future projects</p>
<p>Output 5.3: BUR prepared and submitted according to the guidelines contained in Annex III of Decision 2/CP.17</p> <p>The final report of the BUR2 has been completed. Cabinet has endorsed the report of the BUR2 on 26 September 2018. The report were submitted to UNFCCC via online submission portal on 27th September 2018 and was approved by the secretariat UNFCCC on the same day. The BUR2 report can be accessed at UNFCCC website.</p>	<p> <input type="checkbox"/> On Track <input type="checkbox"/> Off Track <input checked="" type="checkbox"/> Achieved <input type="checkbox"/> Not Achieved </p> <p>Output Target: BUR prepared and submitted according to the guidelines contained in Annex III of Decision 2/CP.17</p>
<p>Output 5.4: Public awareness activities conducted</p> <p>The BUR2 was submitted to the UNFCCC on 26 September 2018 after approval by the Cabinet. A thousand copies of the report have been printed and will be distributed to government Ministries, federal departments and agencies, state governments, non-governmental organizations and the private sector organizations. The softcopy has also been uploaded UNFCCC website and will upload to MESTECC's website.</p>	<p> <input type="checkbox"/> On Track <input type="checkbox"/> Off Track <input checked="" type="checkbox"/> Achieved <input type="checkbox"/> Not Achieved </p> <p>Output Target: Public awareness activities conducted</p>



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<p>The launch of the BUR2 report will be held in 2019 to increase awareness among stakeholders on the findings of the report.</p>	
<p>Outcome: Project Management</p>	<p>Progress Status</p>
<p>Output 6.1: Project Management</p> <p>The Project Manager has not been appointed since Project document was signed. In terms of the governance structure of the project, the NSC, TWGs and SWGs have not been reappointed, and meetings between these committees have not been carried out.</p> <p>The project is recruiting a Project Coordinator to replace the Project Manager. The reappointments of the governance structures are still in progress.</p>	<p><input checked="" type="checkbox"/> On Track <input type="checkbox"/> Off Track <input type="checkbox"/> Achieved <input type="checkbox"/> Not Achieved</p> <p>Output Target: Project management activities conducted</p>



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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 11th Malaysia Plan and relevant sectoral policies.

The output of the BUR2 project assists the government in achieving its development agenda by providing trends in GHG emissions. Work done under the BUR2 assesses the effectiveness of mitigation actions in achieving a low carbon economy as set out in the National Policy on Climate Change. It also provides information that feeds into the development of a national action plan on adaptation, a Nationally Determined Contributions (NDC) Roadmap and improved action plans on mitigation consistent with the sustainable development agenda. The project will also help Malaysia in meeting the agreed outcome in the UNFCCC by enhancing Malaysia's capability in reporting requirements under Article 12 of the Convention, improving climate change negotiation capabilities as well as strengthening Malaysia's technical and institutional capacities in implementing the agreed outcomes.

The GHG Inventory key category analysis results and mitigation assessment from the Third National Communication and BUR are being used to identify priority mitigation actions for implementation. For the energy sector the results clearly shows the need to improve energy efficiency and to decrease the usage of coal in the energy mix. For the LULUCF sector it shows the importance of keeping deforestation at a minimum level and to enhance carbon sequestration by forest as these low hanging fruits enabled Malaysia to achieve 33% emission intensity reduction per GDP in 2014 compared to 2005 values. It has also provided a strong basis to consider REDD+ as a viable option to enhance forest management in Malaysia.

- 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.

A total of 10 workshops have been conducted in 2018 to raise the level of knowledge of the stakeholders on climate change as well as to share information and obtain feedbacks from the private sector and non-governmental organisations on the programmes on climate change being carried out as well as the reporting requirements to the UNFCCC. The detailed list of workshops carried out in 2018 as in Attachment I.

1. Stakeholder consultation on draft TNC and BUR2 report, 22-23 February 2018
2. Capacity building workshop on climate change, 9-11 Mac 2018
3. Capacity building workshop for UNFCCC delegates, 12 April 2018
4. Meeting for the preparation of the Malaysia-Singapore Joint Committee on the Environment (MSJCE), 19 April 2018
5. Technical Working Group meeting for the preparation of a policy framework for abandoned vehicles, 19 April 2018
6. Capacity building workshop on NDC achievement in Malaysia, 20 April 2018
7. Data coordination workshop with Sarawak state government, 23-24 April 2018
8. Workshops on Forest Reference Level, 5-6 June 2018;
9. Consultation Workshop on GHG Inventory for LULUCF sector, 10-12 October 2018;
10. Capacity building of the negotiating team for COP24, 15-16 November 2018.



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In particular the capacity of the GHG inventory compilers, mitigation assessment team, vulnerability and adaptation assessment team and REDD+ implementation team has improved substantially over the project period. There is also greater understanding by the private sector on the need and willingness to supply activity data for GHG inventory calculations. The non-governmental organizations have participated actively in the consultation processes for each of the thematic areas for climate change and have provided constructive information for reporting to the UNFCCC.

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

The institutional framework for preparation of national communications and biennial update reports is based on 4 Technical Working Groups (TWG) and their Sub Working Groups (SWGs), these being the TWG on GHG Inventory, TWG on Mitigation, TWG on Measurement, Reporting and Verification and TWG on Finance and Needs. For each of these TWGs and their Sub Working Groups, capacities are continually being built to enhance their implementation capacity.

- b. 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.

With the completion of the GHG Inventory calculations using the 2006 IPCC Guidelines for the Third National Communication, a complete GHG inventory is now available for the country's use. This consist of time series data from 1990 to 2014 for the energy, IPPU, agriculture, LULUCF sectors and waste sectors. These together with the results and database on the GHG emission projection until 2050 and quantification of the 17 mitigations actions are available for formulating national and sectoral polices on mitigation that is consistent with national sustainable development objectives.

The GHG Inventory is also being used to track and assess the level of achievement of GHG intensity reduction per unit GDP towards achieving the NDC's GHG intensity reduction per unit GDP target by 2030 compared to 2005. This is done through 3 indices first identified in the BUR and updated till 2014 in the Third National Communication report. They are also being used to develop environment and productivity indicators by the Department of Statistics.

- c. 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.

Apart from the statistics on population, gender statistics related to climate change issues have not been collected in Malaysia. However the project does not discriminate gender in the



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implementation and provides equal opportunity to all gender at all levels of work. Activities have been carried out in a gender inclusive manner at the workshops and TWG, SWG and secretariat formation. Equal opportunity is given in the appointment of consultants based on merit. Gender disaggregated information are included in the reports where possible, in particular in the national circumstances chapter.

- d. 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.

No pilot initiatives or demonstration projects were conducted as this is a GEF Enabling Activity project which does not fund demonstrations.

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

Three risks are listed:

- (i) The progress of project has been delayed due to the 14th General Elections in May 2018 and Cabinet has just been formed in July 2018. Following the results of general election, a new government was formed and this has led to changes in the names and portfolio of number of ministries and agencies. Ministry restructuring has so far been a priority.
- (ii) The Project Manager has not been appointed since Project document was signed. The Environmental Management and Climate Change Division faces challenges due to it being under-capacity.

Several re-appointments have not been carried out, including the reappointment of Technical Working Groups & Sub Working Groups, and the appointments of consultants for the remaining work.

- (iii) For the GHG inventory, the availability and accuracy of national data for the GHG Inventory calculations remains a challenge, especially for the industrial processes and LULUCF sector. For the LULUCF sector, regional workshops had been held by the SWG to resolve the issue of actual area under forest cover, deforestation rates and area of oil palm plantations under peat.

- f. 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.

A number of projects which have implications on mitigation actions quantification are being implemented under UNDP supervision. To enable greater synergy between projects, a regular meeting of all the project managers for projects conducted through UNDP will help facilitate information gathering for reporting.



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

Please indicate reasons for the project extension: Not applicable

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:

JAYA SINGAM RAJOO

Designation:

Under Secretary
Environmental Management
& Climate Change Division

Date:

Ministry of Energy, Science, Technology, Environment
and Climate Change



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 (Institutional arrangements strengthened, information on national circumstances updated):

- The chapter on Malaysia's national circumstances for the BUR2 report has been successfully completed, done in conjunction with the Third National Communications report.
- Priority needs to be placed on strengthening the governance structure of the project. The reappointments of the National Steering Committee, Technical Working Groups and Sub Working Groups for this project have not yet been carried out. Reappointments of these committees and working groups should be carried out soonest to avoid further delays and to accelerate project implementation. This is especially important because the project is scheduled to close in June 2019.
- There has only been one National Steering Committee meeting in 2018. No Project Management group meetings, TWGs and SWG meetings have been carried out in the second half of 2018. The project governance committees (National Steering Committee, Project Management group, TWGs and SWGs should meet regularly.

Outcome 2 (National GHG inventory strengthened and described and inventory data updated):

- Detailed GHG inventory calculations have been carried out for year 2014, and the time series from 1990 to 2014 have been updated. The National GHG inventory chapter has been successfully completed for the BUR2 report, done in conjunction with the Third National Communications report.
- The project is currently developing the 2015 and 2016 national GHG inventory for the Agriculture, LULUCF and Waste Sectors. However, the appointment of consultants to prepare the 2015 and 2016 GHG inventory for the Energy and IPPU sectors have not yet been conducted, and the project will need to prioritize this.

Outcome 3 (Mitigation actions or group of actions being developed):

- The chapter on Mitigation Actions and their Effects for the BUR2 report has been successfully finalized. The appointment of a consultant to collect information and quantify the mitigation actions and effects and conduct emissions projections for 2016 to be reported under the BUR3 report has not yet been carried out.



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Outcome 4 (Constraints and gaps, and related financial, technical, and capacity needs and support, identified; and solutions for addressing the needs proposed):

- The chapter on constraints and gaps, level of support and needs for the BUR2 report has been successfully completed.

Outcome 5 (Development, publication, and dissemination of the BUR2 report):

- The final output of the project in the form of the BUR2 final report has been submitted to the UNFCCC in September 2018.

Project Management

- The project is currently without a Project Manager and the project needs to urgently fill up this vacant position. A Project Coordinator is currently planned to be hired as a replacement to the Project Manager, and the project will also be recruiting a Project Assistant. Timely hiring of these two key personnel would assist the project in terms of accelerating its implementation.

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

The datasets generated by the project helps to integrated climate change considerations into sector policies and programs. For decision makers, the BUR2 report which contains an updated GHG emissions inventory provides adequate climate information to inform the policy design process.

The BUR2 report which is publicly assessible also helps to increase the awareness and understanding of the needs and consequences of implementing climate change measures.

The BUR2 project is originally planned to be closed on 4th of July 2019. However, in view of the implementation delays to the project, UNDP is seeking the implementing partner's view on the need for project extension to allow for the successful completion of the project and greater impact.

Prepared by:

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