

Technical Working Group Meeting for Global Environment Facility No. 1/2018
Ministry of Natural Resources and Environment
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GEF 5 UNIDO Project: Energy Efficient Low Carbon Transport in Malaysia

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PROJECT PROFILE

PROJECT TITLE	PROJECT ENERGY EFFICIENT LOW CARBON TRANSPORT IN MALAYSIA	
EXECUTING AGENCY	MINISTRY OF ENERGY, GREEN TECHNOLOGY AND WATER (KeTTHA)	
IMPLEMENTING AGENCY	MALAYSIAN GREEN TECHNOLOGIES CORPORATION / PMU	
PROJECT PERIOD	(04/2015 – 04/2018) - 36 months	
APPROVED FUND (USD)	Land Degradation	
	Climate Change	\$ 2,000,000
	Biodiversity	
CO-FINANCING (USD)	\$ 28,720,000	
TOTAL FINANCING (USD)	NA	
REMAINING FUND AS PER DEC 2016	NA	

PROJECT COMPONENTS

COMPONENT 1	Improvement of policy and regulatory framework for EV use and local manufacturing; strengthen capacity of concerned institutions built and awareness raising.
COMPONENT 2	Development and demonstration of infrastructure for EVs, and local EV manufacturing capacity
COMPONENT 3	Monitoring and evaluation

PROJECT PROGRESS – 2017

Component 1



OUTPUT	ACTION PLAN	2017			
		Q1	Q2	Q3	Q4
Output 1.1.1 – National policy and regulatory framework to catalyze and accelerate widespread use of EVs, both public and private: EV strategy and roadmap, business models, favorable tax/incentive schemes for local manufacturing, safety standards, etc. improved or developed.	Activity 1 – To be executed under Low Carbon Mobility Blueprint and Action Plan Effective early Q2 2018				
	Activity 2 – The Langkawi Data Mining for Low Carbon Island program				
Output 1.1.2 – Institutional capacity built and awareness on EV use raised	Activity 1 – Electromobility Training ICP: Volvo e-Bus at Sweden and Poland KeTTHA and MGTC delegation (26–31 October 2017)				
	Activity 2 – 4th International Electric Vehicle Expo (IEVE2017) at Jeju Island, South Korea –KeTTHA and MGTC delegation including visit to Low Carbon Island Model, (17-23 March 2017)				

PROJECT PROGRESS – 2017

Component 2



OUTPUT	ACTION PLAN	2017			
		Q1	Q2	Q3	Q4
Output 2.1.1 – At least 6 PV-based charging stations (fast and off-grid) for EVs designed, installed and tested; used for demonstration and further studies; 3 stations will be installed in Melaka and the other 3, tentatively in Kuala Lumpur, Putrajaya and Cyberjaya.	Activity 1 – Installation and operation of 1 PV-based fast charging station at OBR Ayer Keroh, Melaka				
	Activity 2 – Installation of 1 PV-based fast charging station at BRT Sunway Depot				
	NOTE: The remaining 3 PV based charging stations have been reallocated under the Langkawi Low Carbon Island Project. This scope will now involve installation of 30 EV chargers in the Island with approval granted by GEF as reported by UNIDO HQ to KETTHA on 7 th June 2017. This project is in progress for execution in 2018 by MGTC.				
Output 2.1.2 – Enhanced standards and regulations for EV infrastructure, including charging stations, safety, and support applications, developed.	Activity 1 – Adoption of revised IEC61850 (Model for E-mobility) and IEC 62196 (international standard for EV electrical connectors) standards as Malaysian Standards				
	Activity 2 – EV charging station setting up guidelines (NOSS (National Occupancy Skill Standard) Development for EV charging station installation and maintenance (Level 3)				

PROJECT PROGRESS – 2017

Component 2



OUTPUT	ACTION PLAN	2017			
		Q1	Q2	Q3	Q4
Output 2.1.3 – Local manufacturing of e-bus and e-motorcycle components supported through development of enabling support programmes; enhanced incentives and industry support to encourage Foreign Direct Investment	To be executed under Low Carbon Mobility Blueprint and Action Plan Effective early Q2 2018				
Output 2.1.4 – Effective capacity building and technology transfer to enable EV manufacturing facilitated.	Activity 1 – Engagement with International OEMs involvement in electric mobility (Partnership with BMW – ChargeNow powered by ChargeEV)				
	Activity 2 – Engagement with OEMs involved in electric mobility with local presence	Execution under Langkawi Low Carbon Island Model project			

PROJECT PROGRESS – 2017

Component 3



OUTPUT	ACTION PLAN	2017			
		Q1	Q2	Q3	Q4
Output 3.1.1 – Regular monitoring exercises conducted; tracking tools prepared according to GEF requirements	Monthly submission of progress report				
	Submission of annual report				
	National Steering Committee Meeting 1				
	Evaluation of first year performance	NA			
	Analysis of performance and opportunities for improvement	NA			
Output 3.1.2 – Final project evaluation conducted	Unido HQ have informed KeTTHA that the Energy Efficient Low Carbon Transport Project have been extended up to 2019 inclusive of final project audit				

SUMMARY OF PROJECT PROGRESS AS 31 DEC 2017

PROJECT COMPONENT	ACTIVITIES COMPLETED	ALLOCATION (USD)	EXPENDITURE (USD)	BALANCE (USD)	PERCENTAGE OF EXPENDITURE OVER ALLOCATION
COMPONENT 1	20 %	505,000	100,000	405,000	24%
COMPONENT 2	50%	937,300	547,300	390,000	58%
COMPONENT 3	NA	70,000		70,000	NA

PROJECT PLANNING – 2018

Completed



On Schedule /
Planning



OUTPUT	ACTION PLAN	2018			
		Q1	Q2	Q3	Q4
Component 1 – Improvement of policy and regulatory framework for EV use and local manufacturing; strengthen capacity of concerned institutions and awareness raising	The National Low Carbon Mobility Blueprint				
	The Langkawi Data Mining for Low Carbon Island program				
	The Electric Mobility Roundtable 2017 – IGEM 2018				
Component 2 – Development and demonstration of infrastructure for EVs, and local EV manufacturing capacity	Installation of 30 EV Charging stations at Langkawi				
	Installation of Solar PV & Energy Storage System at Sunway BRT				
	Engagement with OEMs involved in electric mobility with local presence (Langkawi e-Taxis project)				
Component 3 – Monitoring and evaluation	NSC				
	Submission of annual report				
	Final project evaluation				
	Analysis of performance and opportunities for improvement				

ISSUES ARISES DURING PROJECT IMPLEMENTATION AND REMEDIAL ACTIONS

Issues to be discuss :

i. i.e : causes of project delay; procurement issues etc.

Remedial action taken / intervention needed:

i. i.e : appointment of new project manager, task coordination etc.