



Meeting Agenda "Improvement of Industrial Energy Efficiency (IEE) in Myanmar" Project

8 December 2017

10:00-12:00AM

Meeting Room, Royal Pavilion Hotel, Yangon

Project Steering Committee (PSC) meeting of Improvement of Industrial Energy Efficiency (IEE) in Myanmar Project

Meeting called by: UNIDO **Type of meeting:** PSC

Facilitator: National Project Director(NPD) **Note taker:** PMU, MOI

Timekeeper: MOI

Attendees: Representatives of MOI, MoNREC, MoE, MoEE, UMFCCI, MIA, MES

Purpose of meeting: Project Steering Committee(PSC) meeting of the Improvement of Industrial Energy Efficiency(IEE) in Myanmar project

Agenda Items:

	Topic	Presenter/ Speaker	From	To	Time allocated
1.	Welcome	PSC Chair (Director General of DIC)	10:00	10:08	8 min
2.	Introduction and purpose of PSC meeting	UNIDO	10:08	10:15	7 min
3.	Presentation of project implementation and achievement up to November 2016	PMU	10:15	10:35	20 min
4.	Discussion by PSC members	PSC Members	10:35	12:10	1hr 35 min
5.	Summarized meeting minute	PMU, MOI	12:10	12:20	10 min
6.	Next meetings dates	PMU, MOI	12:20	12:25	5 min
7.	Closing	PSC Chair	12:25	12:30	5 min

Other Information:

Observers: Staffs from EECD, MOI.

Resources:

Special notes: The date of next PSC meeting will be in June 2018 tentatively unless ahoc requirement comes out.



Registration of Project Steering Committee Meeting

on the project "The Improvement of Industrial Energy Efficiency (IEE) in Myanmar"

December 8, 2017 (10:00 ~ 12:30), Royal Pavilion Hotel, No. 3B, Taw Win Road, 9 Mile, Mayangone Township, Yangon



No.	Name	Position	Organization	Email Address	Phone #	Signature
1	U Ko Tin	Director General	Energy Efficiency Conservation Department, Ministry of Industry	directorateplanning@gmail.com	09-402619561	
2	Mr. Sanjaya Man Shrestha	Project Manager	UNIDO	S.Shrestha@unido.org	+43 6769561460	
3	Daw Naing Naing Linn	Director	Ministry of Industry	nnainglinn.mm@gmail.com	09-250390012	
4	U Zaw Myo Oo	Manager (Engineer)	Ministry of Natural Resources and Environmental Conservation	<i>Sag</i> zawmyo00517@gmail.com	09400453911 09-73127153	
5	U Maung Maung Thaw	Assistant Director	Ministry of Electricity and Energy	mgyrmythawco@gmail.com	09-5164307	
6	Dr. Zarni Aung	Director	Ministry of Education	znaung579@gmail.com	09-402511627	
7	U Htun Naing Aung	Union of Myanmar Federation of Chambers of Commerce and Industry Co General Secretary	Myanmar Industries Association (MIA)	mgy@myanmar.com.mm	09-5183517	
8	U Aung Thet Paing	CEC Member	Myanmar Engineering Society	atpaing@gmail.com	09-43049835	
9	U Than Oo	National Project Manager	UNIDO	T.Oo@unido.org	09-5190979	
10	Daw Aye Kay Khine Soe	Deputy Director	Energy Efficiency Conservation Department, Ministry of Industry	ayekaykhinesoe@gmail.com	09-420708055	
11	U Thar Aye	Deputy Director General	Environmental Conservation Department, GEF focal	tharayx82@gmail.com	09450541351	



Improvement of Industrial Energy Efficiency (IEE)

in Myanmar Project

Project Steering Committee (PSC) Meeting Minute

Meeting Room, No -3(B) Taw Win Road, Mayangone Township, Yangon, Myanmar

10:00AM – 12:30PM, 8 December 2017, Friday

NAME OF MEETING	PROJECT STEERING COMMITTEE (PSC) FOR IMPROVEMENT OF INDUSTRIAL ENERGY EFFICIENCY (IEE) IN MYANMAR PROJECT
MEETING CALLED BY	UNIDO
TYPE OF MEETING	INTERNAL
FACILITATOR	PMU
NOTE-TAKER	MOI; PMU
TIMEKEEPER	MOI

Participants			
Sr.	Name	Designation	Role
1	U Ko Ko Tin	Director General, Directorate of Industrial Collaboration (DIC), Ministry of Industry	Chair of PSC
2	U Than Aye	Deputy Director General, Environmental Conservation Department, Ministry of Natural Resources and Environmental Conservation (GEF Focal Myanmar)	Member of PSC
3	Daw Naing Naing Linn	Director, Energy Efficiency, and Conservation Division (EECD), Ministry of Industry	National Project Director
4	Mr. Sanjaya Man Shrestha	Project Manager, UNIDO	Member of PSC
5	U Than Oo	National Project Coordinator, UNIDO	Secretary of PSC
6	Dr. Zarni Aung	Director, Ministry of Education	Member of PSC
7	Daw Aye Kay Khine Soe	Deputy Director, Energy Efficiency Conservation Department, Ministry of Industry	
8	U Maung Maung Thaw	Assistant Director, Ministry of Electricity and Energy	Member of PSC
9	U Zaw Myo Oo	Manager (Engineer), Ministry of Natural Resources and Environmental Conservation	Member of PSC
10	U Htun Naing Aung	Representative for both Union of Myanmar Federation of Chambers of Commerce and Industry (UMFCCI), and Myanmar Industries Association (MIA)	Member of PSC

AEENDA:

Sr. No.	Topic Discussed	Actions to be taken
Welcome:		
1	<p>Chair of PSC, U Ko Ko Tin, Director General of Directorate of Industrial Collaboration, MOI welcomed project manager, PSC members for the Improvement for Industrial Energy Efficiency-IEE in Myanmar project. Chair mentioned that project implementation period is reaching almost about three years, and now is a good time to review and evaluate the progress. Chair also highlighted the need of monitoring the way forward next two years.</p> <p>Chair shortly briefed about the 3 main components of the project and the previous three years' activities. Chair expressed his expectation on perspectives, idea, suggestions, active and positive participation of PSC members during this third PSC meeting.</p>	
2	<p>Project Manager, Mr. Sanjaya SHRESTHA expressed his sincere appreciation to Chair for his warm welcome and cooperation by members of PSC.</p> <ul style="list-style-type: none"> -he delighted on the stage of project execution with support of counterparts. -he expressed that there are many issues/problems/things and situation of trying to fix one by one, and the need of changes in all kind of strategies from time to time. -he honestly expressed that project document is one thing and dealing with the ground situation is one thing when working with industry for project implementation. -he remarked on successful implementation in term of adaptation of industries into user and expert level trainings, workshops, arranged by project. -he expressed that the biggest problem as getting attention of managing people from industries and only issue we can address is to show something which they can believe. -he expressed that at this stage, project can show assessment reports/case study where some real energy saving can be achieved. 	
Presentation by PMU:		
3	<p>National Project Manager, U Than Oo presented the progress of project implementation with PowerPoint on each project components, set targets, achievement and explained implementation situation, barriers. He requested suggestions from PSC members.</p>	
Discussion by members of PSC:		
4	<p>Representative of MOE, Dr Zar Ni Aung discussed the following;</p> <ul style="list-style-type: none"> - regarding to the progress of Myanmar National Standard, ISO 50001 is adopted as Myanmar Standard (MMS) voluntarily. 	<p>-To cooperate with Ministry of Education (MOE) for adoption of ISO 50001</p>

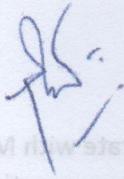
Sr. No.	Topic Discussed	Actions to be taken
	<p>There are 15 numbers of technical committee for different standards under National Standard Council.</p> <ul style="list-style-type: none"> - to focus on organizations which have influence on Myanmar Industries, such as Myanmar Engineering Council, MIA, and UNFCCI. - to invite some high-ranking people from Myanmar Industries to show the achievements of IEE projects in ASEAN countries. - to establish a web-site about IEE implementation in which contents should be in Myanmar language, not so much technical, and have easy-to-follow EE measures. <p>Mr. Sanjaya SHRESTA expressed the willingness of UNIDO to involve the awareness workshops on ISO 50001 adoption, if Ministry of Education want to organize to promote adoption of ISO 50001. He also pointed out that the organizations which already have implemented other ISO certifications (eg. ISO 90001, 40001 etc.,) would be interested in EnMS and ISO 50001.</p>	
5	<p>Representative of GEF FP, U Than Aye discussed the following;</p> <ul style="list-style-type: none"> - expressed his first time to attend this project PSC meeting, funding allocation for GEF funded project for Myanmar. - suggested to conduct 2 PSC meetings per year and discussed on the mid-term review. - discussed on PSC member nomination and suggested on requirement for PSC member nomination. - expressed on important of policy and regulatory frame work component of project. - explained about National Environmental Conservation and Climate Change Central Committee and its 6 Working Committees. He discussed that there is regular meeting of Working Committees for every 3 months. He expressed his intention to invite concerned person to join in Industrial and Rural Development Working Committee, and to explain project activities, achievement carried out. 	<p>-To conduct PSC meeting twice a year</p>
6	<p>National Project Director, Daw Naing Naing Linn, MOI discussed the following;</p> <ul style="list-style-type: none"> - regarding to the reporting system, she explained that the project progress reports were submitted to GEF FP through MoNREC every 6 months and other report were submitted to Ministry of National Planning. - she explained about the nomination of PSC members by concerned Ministries and organizations and arrangement of PSC meeting for the future. - Then, she also presented her review on project implementation status as an interim report for following points: - Component-1 of project, she explained that there was the National Energy Efficiency Policy and Framework, started from 2015 and approved in 2016 February, supported by ADB. There 	<p>-To Support to MOI in setting up better policy & regulatory</p>

Sr. No.	Topic Discussed	Actions to be taken
	<p>also is the Energy Conservation Law in drafting state, where the incentive scheme would be included. The Energy Consumption Database was outlined with the cooperation of UNIDO. There is still no activity on NAMA. She expressed that the regulatory framework preparation would be first priority in the coming years. For Component-2 of project, she explained that it was the most successful portion, UNIDO have done several user level and expert level trainings on EnMS and SO, but still left to conduct training on Energy Efficiency Project Financing. She pointed out the important of language barrier in training and the certification for these trained experts.</p> <p>- For Component-3, she expressed as the most important part of the project because it is the implementation to get real energy savings. She discussed how to make the demonstration project on the factories where the assessment have already been done. She pointed out the important of cooperation and coordination with country counterpart and, also how to attract the private sector's involvement. She expressed the willingness for the staff of Energy Efficiency and Conservation Division to involve in factory assessment process made by UNIDO's International experts. She also proposed to conduct more awareness workshops targeting the high-levels from Myanmar Industries, as suggested by Dr. Zarni Aung.</p>	<p>Framework for EE</p> <ul style="list-style-type: none"> -To support Database Framework setup -To conduct NAMA awareness activities -To prepare & conduct Finance Component trainings -To translate training materials to local language
	<p>U Than Aye suggested to adjust the action plan of project by rearranging the priority for the next two years. He discussed to focus on weak points, the need, what PSC member can support, suggest for progress of project implementation during this PSC meeting.</p> <p>He explained about the ECC (Environmental Compliance Certification) system and industries need to get ECC with Environmental Impact Assessment(EIA) report.</p> <p>He suggested that Directorate of Industrial Supervision and Inspection (DISI) conduct renew permission for every factory on every year and ECC system is working together with DISI. it would be one point to be consider for active involvement of industry in project implementation.</p> <p>Daw Naing Naing Linn expressed her gratitude for U Than Aye's suggestions and annual factory renew license issue is being considered as one thing under Policy and Regulatory frame work component.</p> <p>she also requested all PSC members for idea and suggestions to achieve actual energy saving in the remaining 2 years of project time.</p>	<ul style="list-style-type: none"> -To closely cooperate with MOI when PMU conduct assessment at plants

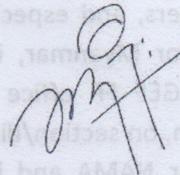
Sr. No.	Topic Discussed	Actions to be taken
7	<p>Representative of MIA& UMFCCL, U Htun Naing Aung;</p> <ul style="list-style-type: none"> - expressed congratulation for significant achievements, especially on capacity building component. - encouraged to continue this capacity building and knowledge sharing. - expressed on his NAMA project experience. - suggested on enactment of Energy Efficiency Law and on voluntary bias implementation. - discussed to make certification system for Expert training to attract more participation, such a way to find how to accredit it with MEC (the Myanmar Engineering Council). <p>Mr. Sanjaya SHRESTHA requested the guidance from PSC chair and members, and especially information relating to NAMA going on for Myanmar, i.e. anything have to be done for NAMA. If GEF FP office representative can provide some information, on section/division, organization endorse NAMA, working for NAMA and based on information, UNIDO will contact, discuss with them, and organize some workshops on that.</p> <p>He also discussed that dealing with big champion companies which may have cooperate social responsibility program, environmental policy and those companies are more likely to implement energy management system, energy system optimization. He requested the support of Myanmar Industries Association (MIA) to arrange awareness workshops by using MIA's networking.</p> <p>U Htun Naing Aung suggested to show achievement figure to the factory owners, and suggested to conduct the IEE via demonstration plant/ pilot plant. He requested to utilize trained candidates from expert trainings, at these demonstration plants, on volunteer or on pays bias. At the same time, the MIA could organize factories to host the demonstrations.</p>	<p>-To conduct Awareness workshop at UMFCCL / MIA by inviting high ranking members of MIA</p> <p>-To cooperate with MIA for more awareness activity</p>
8	<p>Representative of MOEE, U Maung Maung Thaw discussed two factories from MOEE, where factory assessments were done by IEE project, (the Mann Refinery plant with walkthrough audit and the No.4 Fertilizer Plant with SSO assessment with expert trainees) are trying to fulfil the recommendations of these reports and they will inform the saving result later.</p> <p>U Than Oo explained that IEE project is focusing on big energy-intensive industries because much saving potential may exit. He discussed further assistance from UNIDO can be available if mentioned plants follow SSO expert recommendations and show interest on project Technical Assistance.</p> <p>Mr. Sanjaya SHRESTA added that when a factory becomes a pilot one, they will get close support from UNIDO such as local and international expert services with free of charge(FOC). But</p>	

Sr. No.	Topic Discussed	Actions to be taken
	this will be only available in this project execution phase, and such services would be expensive in the market. He requested everyone to share that information to Myanmar Industries.	
	Closing:	
	Closing by Director General, U Ko Ko Tin: expressed his sincere appreciation to all PSC members and mentioned that the third project steering committee (PSC) meeting is successfully completed.	

Next Project Steering Committee Meeting: The date of next PSC meeting will be in June 2018 tentatively unless ad hoc requirement comes out.



(Daw Naing Naing Linn)
National Project Director
Energy Efficiency and Conservation Division
Directorate of Industrial Collaboration
Ministry of Industry



(U Than Oo)
National Project Coordinator
Improvement of Industrial Energy
Efficiency (IEE) in Myanmar project
UNIDO

	<p>Representative of MOE, U Maung Maung Thaw discussed two factories from MOE, where factory assessments were done by IEE project. (The Mann Refinery plant with walkthrough audit and the No.4 fertilizer plant with ISO assessment with expert trainers) are trying to fulfill the recommendations of these reports and they will inform the saving result later.</p> <p>U Than Oo explained that IEE project is focusing on big energy-intensive industries because much saving potential may exist. He discussed further assistance from UNIDO can be available if mentioned plants follow ISO expert recommendations and show interest on project Technical Assistance.</p> <p>Mr. Sanjaya SHRESTHA added that when a factory becomes a pilot one, they will get close support from UNIDO such as local and international expert services with free of charge (FOC). But</p>	8
--	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	---