

Final Agenda Component 1 - Workshop No 2

Review & Assessment of GMS Power Systems - Part I (Modules 1, 2 & 3)

[14, 15 & 16 September 2009, Intercontinental Hotel Convention Centre, Bangkok, Thailand
"Pinnacle Room 3", 4th Floor]

The purpose of Component 1 – Workshop No 2 - Part I is to present and discuss the results achieved with the GMS Counterparts by the Consultant in relation with Modules 1, 2 and 3.

➤ **Component 1 – Workshop 2 - Part 1 – Module 1:**

As a short reminder, **Module 1** consists of **five (5) Tasks** as follows:

- **Task 1:** Review of previous studies / Review and update of Data
- **Task 2:** Existing situations and projections in each of the GMS Countries
- **Task 3:** Review and update of National Power Developments Plans (PDPS)
- **Task 4:** Common Planning Criteria
- **Task 5:** Update of the GMS Interconnection Master Plan

In the framework of **Component 1 – Workshop 2 - Part 1 – Module 1**, the Consultant will present the Country Reports as well as the "Existing Situation & Projections" Reports established in collaboration with the National Experts related to the execution of the above **Task 1** and **Task 2**, for discussion and validation by the GMS Counterparts.

This Workshop is also the opportunity for the Consultant to present and discuss of the next steps for **Module 1**, i.e. the activities related to **Tasks 3, 4** and **5**, and the way forward.

Considering the results to be achieved during the **Component 1 – Workshop 2 - Part 1 – Module 1**, the Consultant highly recommends that the **Participants** to the Workshop belong to the **Working Level** with the following profiles: **"Energy and/or Power Planners"**.

➤ **Component 1 – Workshop 2 - Part 1 – Module 2:**

Module 2 consists of **five (5) Tasks** as follows:

- **Task 1:** Review of Best Practices
- **Task 2:** Methodology Guidelines for Assessment of Benefits
- **Task 3:** Assessment of Priority GMS Power Interconnection Projects
- **Task 4:** On-the-Job Training
- **Task 5:** Support / Assessment Assistance

In the framework of **Component 1 – Workshop 2 - Part 1 – Module 2**, the Consultant will present the review of benefits from benchmark of cross-border interconnection projects which corresponds to the above **Task 1** for discussion with the GMS Counterparts. The consultant will also recommend a methodology for benefit calculations and assessment, resulting from **Task 2**, to be discussed with the GMS Counterparts.

As a result of these presentations, the methodology guidelines for benefit calculations and assessment will be eventually amended, validated and adopted by the GMS Counterparts.

Considering the results to be achieved during the Component 1 – Workshop 2 - Part 1 – Module 2, the Consultant highly recommends that the **Participants** to the Workshop belong to the **Working Level** with the following profiles: **“Energy and/or Power Planners”**.

➤ **Component 1 – Workshop 2 - Part 1 – Module 3:**

Module 3 consists of **six (6) Tasks** as follows:

- **Task 1:** Review of Previous Studies / Review and Update of Data
- **Task 2:** Assessment of Candidate Transmission Projects
- **Task 3:** Assessment of Potential for Synchronous Operation
- **Task 4:** HVDC vs. AC Interconnection
- **Task 5:** Training in PDP Methods
- **Task 6:** Load Flow Studies
- **Task 7:** Completion of the Performance Standards (PS)
- **Task 8:** Metering Arrangements (MA)

In the framework of **Component 1 – Workshop 2 - Part 1 – Module 3** and at this stage of the project, the Consultant will present the review of international power interconnection projects in the GMS and the findings on assessment and identification of the transmission candidate projects, based on the reports established in collaboration with the National Experts (above **Task 1** and **Task 2**), for discussion and validation by the GMS Counterparts. The validation will allow the Consultant to issue a Review Report, which will become a reference document for the Regional Master Plan updating process.

The analysis of the potential for synchronous operation of the different national power systems (**Task 3**) will also be presented for discussion and validation by the GMS Counterparts.

Considering the results to be achieved during the **Component 1 – Workshop 2 - Part 1 – Module 3**, the Consultant highly recommends that the **Participants** to the Workshop belong to the **Working Level** with the following profiles: **“Energy and/or Power Planners”**.

Time	Subject	Expert proposed
Day 1 - Monday 14 September 2009		
Updating the GMS Master Plan: Methodology and Implementation		
08:30 – 09:00	Registration	
09:00 – 10:00	General Project and Component 1 Presentation: Methodology, Activities, Time Schedule and Experts involved (30 minutes)	Michel Caubet
	Open Discussion and Conclusions (30 minutes)	All Participants
10:00 – 10:30	Coffee Break	
10:30 – 11:45	Module 1: “Update of the GMS Master Plan” Overview of Module 1 (30 minutes)	Christian Viladrich
	Data collection Status (45 minutes)	Gaelle Paty
11:45 – 13:00	Energy Situation and Power Development Plans (15 minutes each)	GMS Invited Country Representatives (Lao PDR, PRC, Thailand, SR Vietnam)
	Open Discussion and Conclusions (15 minutes)	All Participants
13:00 – 14:00	lunch	
14:00 – 15:00	Energy Situation and Power Development Plans in Myanmar (30 minutes)	Myanmar Representatives
	Open Discussion and Conclusions (30 minutes)	All Participants
15:00 – 15:30	Coffee Break	
15:30 – 16:30	Fuel price projections (30 minutes)	Christian Viladrich
	Open Discussion and Conclusions (30 minutes)	All Participants
16:30 – 17:00	The Way Forwards: Next Steps (15minutes)	Christian Viladrich
	Open Discussion and Conclusions (15 minutes)	All Participants
17:00 – 17:30	Open General Discussion and Conclusions (30 minutes)	All Participants

Time	Subject	Expert Proposed
Day 2 - Tuesday 15 September 2009		
GMS International Power Interconnection Projects		
09:00 – 10:30	Module 1: Presentation of the PDP Training and Assistance in Cambodia (30 minutes)	Christian Viladrich
	Draft Revised Cambodia PDP 2009 (30 minutes)	Cambodia PDP Team
	Open Discussion and Conclusions (30 minutes)	All Participants
10:30 – 11:00	Coffee Break	
11:00 – 12:30	Module 3: Review of international power interconnection projects in the GMS - Findings on assessment and identification of the transmission candidate projects (60 minutes)	Jonathan Hedgecock Xavier Gallet
	Open Discussion and Conclusions (30 minutes)	All Participants
12:30 – 14:00	Lunch	
14:00 – 15:30	Analysis of the potential for synchronous operation (90 minutes)	Xavier Gallet
15:30 – 16:00	Coffee Break	
16:00 – 16:30	Open Discussion and Conclusions (30 minutes)	All Participants

Time	Subject	Expert Proposed
Day 3 - Wednesday 16 September 2009		
Benefits of Cross-Border Power Interconnections: A Proposed Methodology		
09:00 – 10:30	Module 2: “Review of benefits from benchmark of cross-border interconnection projects” (60 minutes)	Terje Lysfjord Inge Stenkløv
	Open Discussion and Conclusions (30 minutes)	All Participants
10:30 – 11:00	Coffee Break	
11:00 – 13:00	“Recommended methodology for benefit calculations and assessment” (60 minutes)	Terje Lysfjord
	Open Discussion and Conclusions (30 minutes)	All Participants
	Conclusions and Way Forward (30 minutes)	Terje Lysfjord
13:00 – 14:30	lunch	
14:30 -16:00	Preparation of the Workshop Part I – Minutes & Conclusions (1 and 1/2 hours) (90 Minutes)	Project Resources
16:00 – 16:30	Coffee Break	
16:30 – 17:00	Approval of the Workshop Report – Part I (15 Minutes) Workshop Closing Ceremony (15 minutes)	All Participants

ORGANIZATION OF THE EVENT

1- **Total Number of Participants:**

- **35 Participants** (maximum), including medium to high level decision makers from the Members of the RPTCC.

2- **Duration:**

- **3 days from 14 to 16 September 2009**

3- **Participants (financed under the Project) (3 Invitees per Country, or 15 persons):**

The Representatives from the GMS RPTCC Countries should belong to the Working Level with the following profiles: “Energy and/or Power Planners”:

- One Representative from the GMS Countries Ministry of Energy (RPTCC) (1);
- One Representative from the GMS Countries Electric Utility (RPTCC) (1) having an “Energy and/or power Planner” Profile;
- One Representative from the GMS Countries Electric Utility (RPTCC) (1) at High Decision-Making Level in the field of Institutional, Regulatory and/or Commercial Aspects.

4- **Other Potential Participants (Invited – No Cost to the Project) (8/10):**

- **Burmese Participants** (3);
- **ADB Manila** (1 or 2);
- **ADB GMS EOC** (1 or 2);
- **AFD** (1);
- **SIDA** (1);
- **MRC** (1).

5- **Project Resources Persons (9/10):**

- **Component 1: International Experts** (5);
- **Component 2: International Experts** (1 or 2);
- **Project Bangkok Office** (3).