

## Draft Agenda

### Component 1 - Workshop No 4

#### Update of the GMS Interconnection Master Plan - Modules 1, 3 & 4

[17-18 June 2010, Shangri La Hotel, Bangkok, Thailand]

The purpose of Component 1 – Workshop No 4 is to present and discuss the results achieved with the GMS Counterparts by the Consultant in relation with Modules 1, 3 and 4.

#### ➤ Component 1 – Workshop 4 – 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 (presented at Workshop 2)
- **Task 2:** Existing situations and projections in each of the GMS Countries (presented at Workshop 2)
- **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
  - o Task 5.1: Potential power trade between the GMS countries.
  - o Task 5.2: Review of the GMS Master Plan 2008 / Proposed scenarios for GMS Master Plan update.
  - o Task 5.3: Update of the GMS Master Plan.

#### The purpose of Workshop 4 consists in:

- Presenting the base case results for the updated GMS regional Master Plan.
- Discuss and agree on the complementary sensitivity cases to be run for the Final Workshop.

In preparation of **Workshop 4 – Module 1**, the following report will be delivered to the Participants two weeks prior to the workshop:

- Task 5.3: Report on "Update of the GMS Regional Master Plan 2010 – Base Case Scenario".

#### ➤ Component 1 – Workshop 4 – 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:** Completion of the Performance Standards (PS)
- **Task 6:** Metering Arrangements (MA)

In the framework of **Component 1 – Workshop 4 – Module 3**, the Consultant will present the results of the work that has been carried out on Tasks 3, 4, 5 and 6. The corresponding issues will be presented for discussion and validation by the GMS Counterparts.

In preparation of **Workshop 4 – Module 3**, the following reports will be delivered to the Participants two weeks prior to the workshop:

- Report on Assessment of Potential for Synchronous Operation;
- Report on HVDC vs. AC Interconnection;
- Report on Performance Standards (PS);
- Report on Metering Arrangements (MA).

➤ **Component 1 – Workshop 4 – Module 4:**

**Module 4** consists of **six (6) Tasks** as follows:

- **Task 1:** Data Collection
- **Task 2:** Review and Assessment of the Current Regulatory Framework – Identification of Barriers and Recommendations
- **Task 3:** Review of International Experiences
- **Task 4:** Conceptual Design of the GMS Regional Electricity Market (REM)
- **Task 5:** Completion of the GMS Transmission Regulations
- **Task 6:** Implementation Strategy and Update of the GMS Road Map

In the framework of **Component 1 – Workshop 4 – Module 4**, the Consultant will present the results of the work that has been carried out on Task 5. The corresponding issues will be presented for discussion and validation by the GMS Counterparts.

In preparation of **Workshop 4 – Module 4**, the following report will be delivered to the Participants two weeks prior to the workshop:

- Report on Task 5: Completion of the GMS Transmission Regulations.

Considering the results to be achieved during the **Component 1 – Workshop 4 – Modules 1, 3 & 4**, and the expected continuity with the achievements of Workshop 3, the Consultant highly recommends the same **Participants** as in Workshop n°3 (from **Working Level** to **High Decision Making Level** with the following profiles: “**Energy and/or Power Planning**”, “**Institutional, Regulatory and/or Commercial Aspects**”).

Time	Subject	Speakers
<b>Day 1 - Wednesday 17 June 2010</b>		
<b>Updating the GMS Interconnection Master Plan: Module 1</b>		
<b>08:30 – 09:00</b>	<b>Registration</b>	
<b>09:00 – 09:30</b>	<b>General Presentation of Component 1 – Workshop 4: Methodology, Activities, Time Schedule and Experts involved</b> (10 minutes)	Michel Caubet
	<b>Introduction to Module 1 activities</b> (10 minutes)	Christian Viladrich - EDF
	<b>Open Discussion and Conclusions</b> (10 minutes)	All Participants
<b>09:30 – 10:30</b>	<b>Part 1:</b> <b>Master Plan 2010 update : methodology and modelling</b> (45 minutes)	Gaelle Paty - EDF
	<b>Open Discussion and Conclusions on Part 1</b> (15 minutes)	
<b>10:30 – 11:00</b>	<b>Coffee Break</b>	
<b>11:00 – 12:15</b>	<b>Part 2:</b> <b>Presentation of Base Case Results</b> (60 minutes)	Christian Viladrich - EDF
	<b>Open Discussion and Conclusions on Part 2</b> (15 minutes)	All Participants
<b>12:15 – 14:00</b>	<b>Lunch</b>	
<b>14:00 – 15:15</b>	<b>Part 3:</b> <b>Presentation of first sensitivity case results.</b>	Christian Viladrich – EDF
	<b>Part 4 :</b> <b>First conclusions / recommendations</b> (60 minutes)	
	<b>Open Discussion and Conclusions on Parts 3 and 4</b> (15 minutes)	All Participants
<b>15:15 – 15:45</b>	<b>Coffee Break</b>	
<b>15:45 – 16:30</b>	<b>Part 5:</b> <b>Definition of Sensitivity Cases to be run</b> (30 minutes)	Christian Viladrich – EDF
	<b>Open Discussion and Conclusions on Part 5</b> (15 minutes)	All Participants
<b>16:30 – 17:00</b>	<b>Discussion and Conclusions on 1<sup>st</sup> Day Sessions:</b> (30 minutes)	All Participants

Time	Subject	Speakers
<b>Day 2 - Thursday 18 June 2010</b>		
<b>GMS International Power Interconnection Projects: Module 3</b>		
08:45 – 09:00	Presentation of the Conclusions of the 1 <sup>st</sup> Day Session	Christian Viladrich - EDF
09:00 – 10:30	<b>Part 6:</b> Assessment of Potential for Synchronous Operation (60 minutes)	Xavier Gallet – RTE Int.
	Open Discussion and Conclusions on Part 6 (30 minutes)	All Participants
10:30 – 11:00	<b>Coffee Break</b>	
11:00 – 12:00	<b>Part 7:</b> HVDC vs. Ac interconnection (45 minutes)	Xavier Gallet – RTE Int.
	Open Discussion and Conclusions on Part 7 (15 minutes)	All Participants
12:00 – 13:30	<b>Lunch</b>	
13:30 – 14:30	<b>Part 8:</b> Performance Standards (45 minutes)	Xavier Gallet – RTE Int.
	Open Discussion and Conclusions on Part 8 (15 minutes)	All Participants
14:30 – 15:30	<b>Part 9:</b> Metering Arrangements (45 minutes)	Xavier Gallet – RTE Int.
	Open Discussion and Conclusions on Part 9 (15 minutes)	All Participants
15:30 – 16:00	<b>Coffee Break</b>	
<b>Completion of the GMS Transmission Regulations: Module 4</b>		
16:00 – 17:00	<b>Part 10:</b> Completion of the GMS Transmission Regulations (45 minutes)	Jean Senot – RTE Int.
	Open Discussion and Conclusions on Part 10 (15 minutes)	All Participants
17:00 – 17:30	Discussion and Conclusions of Workshop #4 (30 minutes)	Michel Caubet

## ORGANIZATION OF THE EVENT

### 1- Total Number of Participants:

- **Approx. 60 Participants** (maximum), including medium to high level decision makers from Members of the GMS RPTCC.

### 2- Duration:

- **2 days from 17 to 18 June 2010**

### 3- Participants (Financed under the Project) (7 Invitees per Country (5), or 35 persons):

The Representatives from the GMS RPTCC Countries to be invited are in principle the same Participants to **Component 1 – Workshop #3 (Part I + Part II)**:

- **One Representative** from the GMS Countries **Ministry of Energy** (1): “Energy and/or Power Planner”- High decision making level;
- **One Representative** from the GMS Countries **Ministry of Energy** (1): “Institutional – Legal Expert”- High decision making level;
- **One Representatives** from the GMS Countries **Electric Utility** (1): “Energy and/or Power Planner”- including a High decision Maker;
- **One Representative** from the GMS Countries **Electric Utility** (1): “Marketing”- High decision making level;
- **One Representative** from the GMS Countries **Electric Utility** (1): “Institutional, Regulatory and/or Commercial Aspects”- High decision making level;
- **One Representative** from the GMS Countries **Power Regulatory Board** (1): “Regulatory Expert”- High decision making level;
- **One Representative** from the GMS Countries **Ministries of Environment** (1): “SEA and/or EIA Expert

### 4- Participants from Myanmar (Financed under Separate ADB Budget) (5 persons):

- **One Representatives** from the **Ministry of Energy** (1): “Energy and/or Power Planner”- High decision making level;
- **One Representative** from the **Ministry of Energy** (1): “Institutional – Legal Expert”- High decision making level;
- **One Representative** from the **Ministry of Electric Power Utility#1** (1): “Energy and/or Power Planner”- High decision making level;
- **One Representative** from the **Ministry of Electric Power Utility#2** (1): “Energy and/or Power Planner”- High decision making level;
- **One representative** from the **Ministry of Environment** (1): “SEA and/or EIA Expert

### 5- Other Potential Participants (Invited – No Cost to the Project) (7/9 persons):

- **ADB Manila** (1/2);
- **ADB GMS EOC** (1);
- **World Bank** (1);
- **AFD** (1);
- **SIDA** (1);
- **MRC** (1);
- **WWF** (1);
- **Other** (1/2).

### 6- Project Resources Persons (11-12 persons):

- **Component 1: International Experts** (6/7);
- **Component 2: International Experts** (1);
- **Project Bangkok Office** (4)