



# **GMS Regional Power Trade Coordination Committee**

## **Working Group for Planning and Operation Summary Discussions**

**15 October 2020  
Virtual Meeting**

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# 2020 - Tasks Completed and In Progress under WGPO

- Regional Master Plan
- GMS Grid Code Compliance Assessment and Grid Code Enforcement
- Pre-feasibility studies of Lao-Myanmar project
- Knowledge Product on GMS Grid Code

# 2020 Results

- (i) GMS Master Plan 2022-2035
- (ii) Pre-Feasibility study/preliminary design of Lao- Myanmar interconnection
- (iii) Knowledge Product on GMS Grid Code

# GMS Power Master Plan

## Progress

- Study Commenced in late 2017
- Key Challenge – Gathering data
- Interim Results – November 2019
- Final Draft - October 2020
  - ✓ Cost Benefits; and
  - ✓ The regional generation plan and transmission plan for the period from 2022 to 2035



# Regional Power Master Plan

- Optimized regional generation plan **2022 - 2035**.
- Regional power transmission plan **2022 to 2032**.

## Cost benefit summary for selected scenarios

<b>Cost Savings (B\$): Medium Demand Growth Scenarios</b>	
<b>Economic factor</b>	<b>High cross-border power trade</b>
<b>Base</b>	<b>34</b>
<b>VRE cost reduced</b>	<b>36</b>
<b>High fossil fuel price</b>	<b>8</b>

# Lao-Myanmar Interconnection – 300 MW

- Preliminary design completed with basic technical specifications assessed.
- EDF attempting to assess the two power systems to understand the barriers in system to system connection.
- Important other aspects for actions by the two countries are:
  - *Commitments between the two countries*
  - *Consideration of the GMS Grid Code*
  - *Selection of Generator characteristics for secure operation*
- Two task forces to provide the available information by 15 November

# Grid Code Gaps Assessment and Enforcement Measures

- A practical work plan given the pandemic situation
- Start with Lao, Myanmar and Cambodia
- Task Force meetings every 4 weeks
- RPTCC agreement to the proposed methodology

# GMS Grid Code – Knowledge Product

- Fourth task is for summarizing the GMS Grid Code highlights, lessons and recommendation in the form of a knowledge product.
- Report shared with WGPO.
- RPTCC comments and recommendations very important. Therefore please provide your comments and recommendations.
- Please provide comments by 15 November to complete it this year.



# Consultants

- Mr Michel Caubet, former EDF
  - Grid Code (2012 – 2019)
- Mr Philippe Russe, former EDF (2020)
- Mr Dharshana Muthumani, Mr Bathiya Jayasekara and the team, Manitoba Hydro International
  - GMS Master Plan (2017 – 2020)
- Mr Philippe Leinart, EDF
  - Feasibility Study (2019 – 2020)
- Mr John Irvin from New Zealand
  - GMS Grid Code Knowledge Product