

OVERALL APPROACH FOR THE PREPARATION OF TECHNICAL REVIEW REPORT ON PRIOR CONSULTATION PROCESS FOR LUANG PRABANG HYDROPOWER PROJECT

THE 9TH MRC REGIONAL STAKEHOLDER FORUM

DAY 1: THE 2ND REGIONAL INFORMATION SHARING ON PRIOR CONSULTATION FOR LUANG PRABANG HYDROPOWER PROJECT

05 FEBRUARY 2020, LUANG PRABANG, LAO PDR

Dr. Thim Ly, Chief River Basin Planner, Planning Division, MRC Secretariat



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1. Introduction and Purpose

- 31 JULY 2019: Lao Gov notified for PNPCHA PC for LPHPP
- 5th proposed use following PC for Xayabouri in 2010-2011; Don Sahong in 2014-2015, Pak Beng in 2016-2017 & Pak Lay in 2018-2019
- *Overview of the Documentation - summarized on MRC website*
- Scoping Assessment Report prepared by MRCS specialists
- Issues & gaps of submitted docs
- Approach to prepare **Technical Review Report (TRR)**
- Bases on MRC Preliminary Design Guidance (PDG)
- TRR aims to provide an equitable basis for MRC JC to **CONSIDER ALL Viable** and **reasonable measures** to **avoid, minimise** or **mitigate** potential Tb impacts of the proposed project



The Luang Prabang HPP

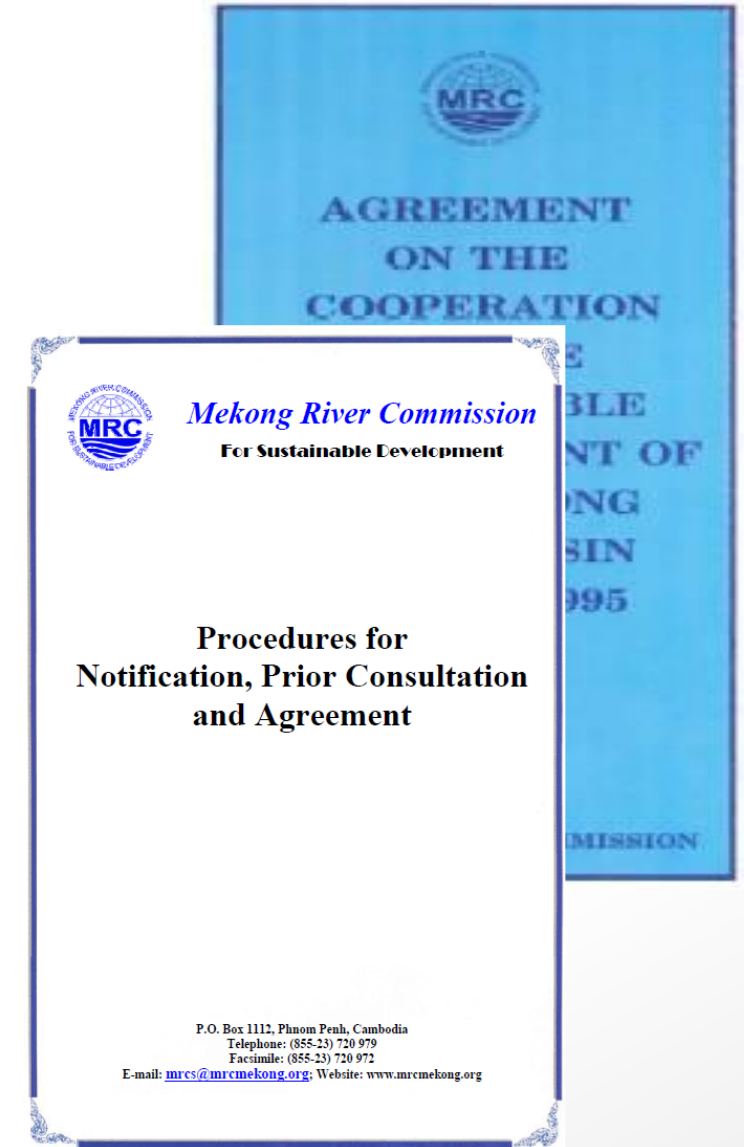
- Run-of-river project
- 25 km upstream of Luang Prabang town
- 2nd cascade of LMB HPP
- Installed capacity: **1460 MW**
- Turbines: 7*200 MW
- Construction date: 2020
- Operation date: 2027
- Export: Thailand & Viet Nam

2. Approach (1)

- **The MRC Framework for Prior Consultation**

Aims to provide scientifically based and fair due diligence to support discussions towards:

- Reasonable and equitable use (Article 5 of 1995 MA, and MRC Procedures);
- Proposed measures to avoid, minimise & mitigate impacts (Article 7 of 1995 MA and Article 5.4.3 of PNPCA) ; and
- Opportunities for increasing joint benefits & cooperation (Article 1 of 1995 MA)

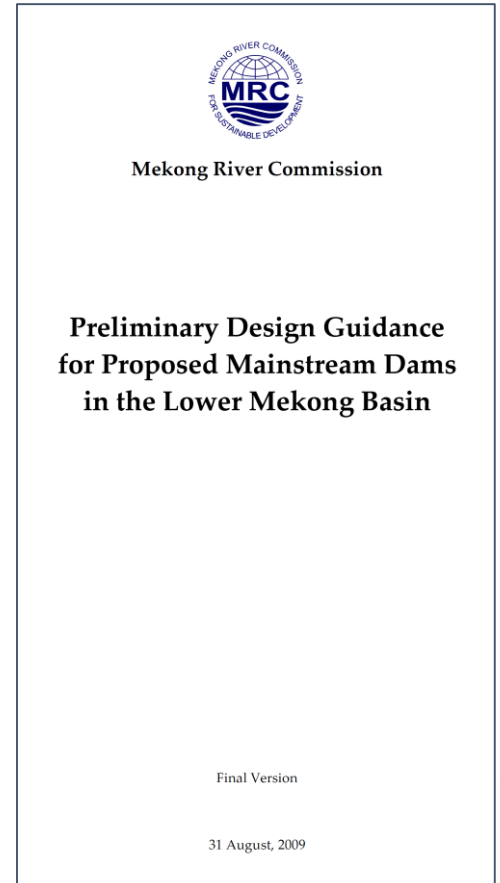


2. Approach (2)

- **The MRC PDG 2009**

- Provide overall guidance on performance targets, design & operating principles for mitigation measures, monitoring & adaptive management
- Cross-checked:
 1. Fisheries/fish passage
 2. Sediment & morphology
 3. Water quality, aquatic ecosystem health & environment,
 4. Navigation
 5. Dam safety

❖ **PDG2009's alignment, and draft PDG2019's good practice.**



2. Approach (3)

- **Supporting Documents/Reports:**

- MRC BDS 2016-2020
- State of the Basin Report 2018
- MRC Council Study 2017
- MRC technical reports: MRC Mitigation Guidelines – ISH0306, Rapid basin-wide Hydropower Sustainability Assessment Tool (RSAT)
- MRC TRR of the past four PNPCA PCs
- MRC Review Report of Xayaburi design changes
- Agreed Statement of Pak Beng & Pak Lay HPPs
- Joint Action Plan (JAP) for Pak Beng & Pak Lay HPPs
- International good practices



3. Submitted documents

Received by 31 July 19, updated versions by 18 Oct. 19

- Feasibility Study Report (**2,383 pages**)
- Environmental and Social Impact Assessment (ESIA) Report (**686 pages**)
- Annexes (**1,097 pages**)
- Comments on the 1st draft TRR

Additional documents on 10 December 2019

- PPTs on Sediment, Dam Safety, Fish Passage, Hydrology, Navigation
- Design Criteria
- Geotechnical Analysis Report
- Structural Analysis Report
- Addendum to the Feasibility Study Report

→ Additional Documents to be considered in the 3rd Draft TRR

4. CONTENTS of Technical Review Report

1. Background
2. Luang Prabang HPP Prior Consultation Process
3. Proposed Luang Prabang HPP
4. Technical Review
 - 4.1 Hydrology and hydraulics
 - 4.2 Sediment transport
 - 4.3 Water quality and aquatic ecosystem health
 - 4.4 Fish passage and fisheries ecology
 - 4.5 Dam safety
 - 4.6 Navigation
 - 4.7 Socio-economic impacts
5. Transboundary and cumulative impacts
6. Comments, recommendations and way forward

5. Important Issues to Flag in the TRR

- **Increased relevance of management of the cascade** – Greater attention on [conjunctive operation of the cascade](#), and on the need [to align](#) with the design parameters of all HPP projects.
- **Increasing cumulative impacts** – Options to consider the risks associated with the [cumulative impacts](#) of dams on both the [mainstream and tributaries](#)



THANK YOU

One Mekong. One Spirit.