CAMBODIA LAO PDR THAILAND VIETNAM

APPROACH AND METHODOLOGY FOR ASSESSMENT OF THE LUANG PRABANG HYDROPOWER PROJECT – OVERVIEW

THE FIRST REGIONAL INFORMATION SHARING ON LUANG PRABANG HYDROPOWER PROJECT
06 NOVEMBER 2019, VIENTIANE, LAO PDR

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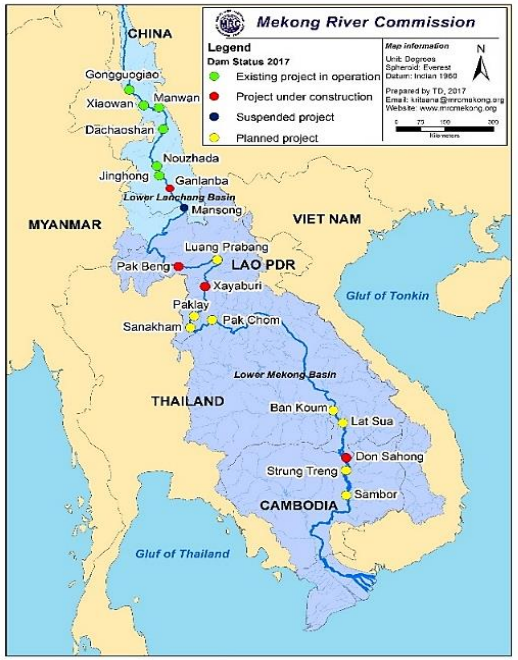
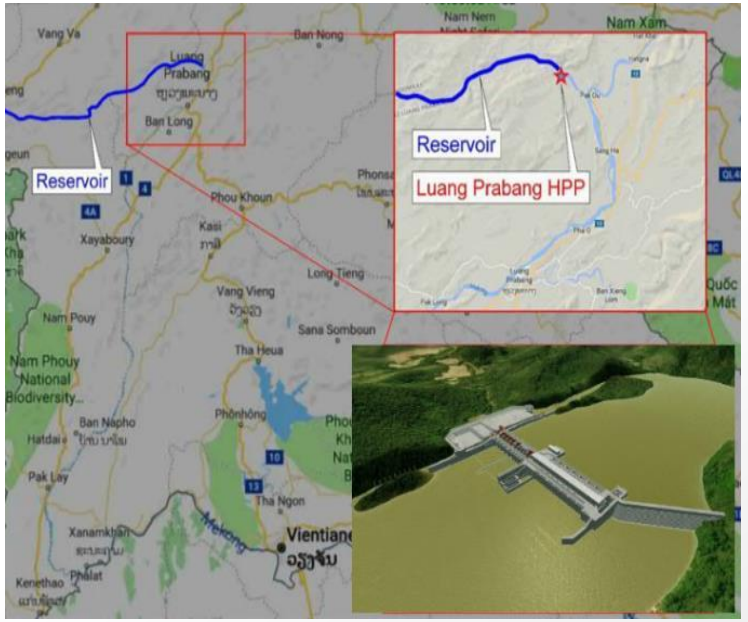
1. Project Overview

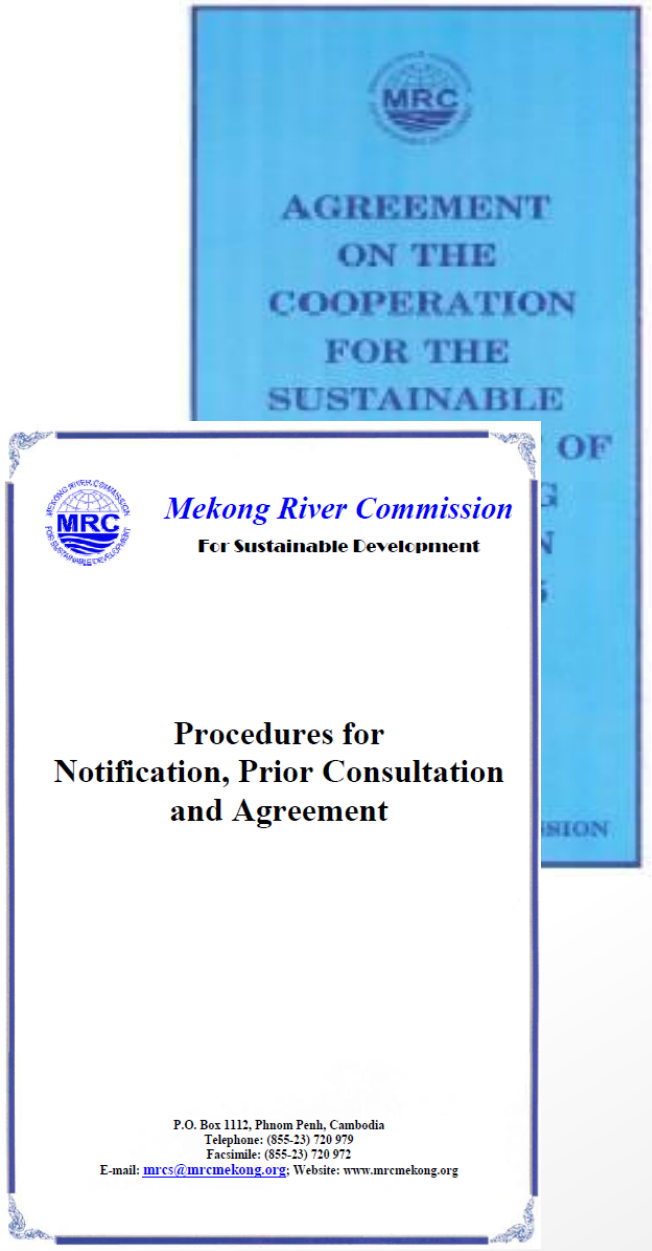
- Run-of-river project, 2nd cascade of dam projects in LMB, Pak Beng HPP (upstream) and Xayaburi HPP (downstream)
- Located at Mekong km 2036 in Luang Prabang province
- 25km upstream of Luang Prabang City, 130km upstream of Xayaburi HPP
- Installed capacity: 1460 MW
- Turbines: 7*200 MW
- Construction date: 2020
- Operation date: 2027
- Mainly for export to Thailand and/or Viet Nam
- Feasibility Reports done by Poyry – May and Oct. 2019
- Luang Prabang Power Company Limited (established by the Lao Government and PetroVietnam Power Corporation under 2007 MOU), as developer





2. Scope of Assessment

- **Aims to provide technical due diligence to support discussions towards:**
  - ➢ Proposed measures to avoid, minimise & mitigate impacts (Article 7 of 1995 MA and Article 5.4.3 of PNPCA);
  - ➢ Reasonable and equitable use (Article 5 of 1995 MA, and MRC Procedures); and
  - ➢ Opportunities for increasing joint benefits & cooperation (Article 1 of 1995 MA).
- **PDG2009's alignment, and Draft PDG2019's good practice.**



2. Scope of Assessment (cont…)

- **Supporting Documents/Reports:**

  - MRC BDS 2016-2020
  - Revised Preliminary Design Guidance 2019
  - State of the Basin Report 2018
  - MRC Council Study
  - MRC technical reports (MRC Mitigation Guidelines – ISH0306, Rapid basin-wide Hydropower Sustainability Assessment Tool (RSAT)
  - International good practices

3. List of Submitted Documents

No.	Name of submitted documents (Full Feasibility Study Report)
Vol. 1	Executive Summary
Vol. 2	Main Report
Vol. 3	Drawings
Vol. 4	Environment and Social Impact Assessment Reports:
	Vol. 4.1: Environmental and Social Impact Assessment
	Vol. 4.2: Social Impact Assessment
	Vol. 4.3: Environmental Management and Monitoring Plan
	Vol. 4.4: Social Management and Monitoring Plan
	Vol. 4.5: Resettlement and Ethnic Minority Development Plan
	Vo. 4.6: Executive Summary of SEIA, CIA, TBIA
Vol. 5	Cumulative and Transboundary Environmental Impact Assessment
Vol. 6	Annexes:
	Annex 6.1: Hydrology
	Annex 6.2: Topography
	Annex 6.3: Geology
	Annex 6.4: Probability Seismic Hazard Assessment (PSHA)
	Annex 6.5: Hydraulic Model
	Annex 6.6: Environmental and Social Impact Assessment (ESIA)

4. Preliminary Findings of the Review and Next Steps

1. Hydrology and hydraulics 
2. Sediment transport and river morphology 
3. Water quality and aquatic ecosystem health 
4. Fish passage and fisheries ecology 
5. Dam safety 
6. Navigation 
7. Potential transboundary socio-economic impacts 

THANK YOU

One Mekong. One Spirit.