Technical Workshop on Xayaburi HPP

Requisites for Concession Agreement: Requirements of MRC-1995 Agreement

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Donchan Palace Hotel
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Projects on Lower Stretch of Mekong River

1. Pak Beng 1,230 MW
2. Luang Prabang 1,410 MW
3. Xayaburi 1,285 MW
4. Pak Lay 1,320 MW
5. Sanakham 570 MW
6. Pak Chom 1,079 MW
7. Ban Khoum 2,000 MW
8. Phou Ngoy 800 MW
9. Don Sahong 260 MW
10. Stung Treng 980 MW
11. Sambor 460 MW

Total 11,394 MW
Xayaburi HPP

- Situated in the Lao sovereign territory
- Developed on the mainstream of Mekong River
- Project in the PDP of Laos
- Run-off-river scheme with no reservoir
- 1930 km from Delta
Configuration

• Main Dam
• Navigation Locks
• Spillway
• Power House

• Intermediate Block
• Fish Passage
• Transmission Line
Commercial Details

• Installed capacity: 1,285MW, energy: 7,370Gwh/year
• Domestic/export IPP project with BOOT mode
• Investment cost (original) around USD3.6 billion
• Public-private jointly financed (equity)
• Limited recourse financing (debts)
Qualifications of Xayaburi HPP

- Despite the location inside the Laos’ territory, Xayaburi HPP is required to meet international standards.
- Be subject to Prior Notification/Prior Consultation (PNPC)-1995 Agreement.
- Prior Notification process to apply to Xayaburi HPP.
- To meet MRC Preliminary Guidelines.
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<tr>
<th>A. Mekong river branch: dry season and rainy season</th>
<th>By informing</th>
<th>Advance Consultation</th>
<th>Agreement</th>
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<th>B. Mekong river:</th>
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<td>1. Rainy season</td>
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<td>- No diversion</td>
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<th>2. Dry season</th>
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<td>- No diversion</td>
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Road to CA Signing & Effectiveness

2007
• MOU signed between the Government of Laos and CK Group (Thailand)
• Feasibility study (FS) and environmental-social impact assessment (EIA) studies started

2008
• Pre-FS completed by Colenco
• Preliminary EIA completed by TEAM
• Project Development Agreement (PDA) signed
• Negotiation on CA and PPA started

2010
• Final FS and EIA finalized
• Prior Notification Process initiated
• CA and PPA signed
Project Development

2011
- Feedback from MRC member countries/stakeholders received
- Prior Notification Process completed on 22 April 2011

2012
- Concession Agreement effective
- Construction officially started on 7 November 2012
- Engagement GOL Poyry and CNR to carry out studies and designs of additional works

2015
- Post-Prior Notification process works incorporated in Xayaburi HPP
- Construction ongoing
Post-Prior Notification Works

• The completion of PNPC left additional works (post-prior notification) for GOL and HPP
• Post-Notification process works to address concerns of MRC member countries and stakeholders
• Accepting works after the notification process additional to Xayburi HHP’s original design means complying with the MRC guidelines/requirements
Additional Works of Xayaburi HPP

• Additional fish passages: fish ladder, fish lift including fish-friendly turbines
• One navigation lock additional to the first one in the original design
• Deeping and widening bottom outlets in order to flush ta number of bottom outlets
• Adding sediment transport facility
Addressing MRC Member Countries’ Concerns

• Concerns include potential impacts on *inter alias*, Mekong Delta area, water flow, fish migration, sediment flow, and navigation.
• Additional works to address all concerns
• Accepting additional works, GOL incurs nearly USD200 million; more than USD200 million absorbed by XPCL
Reflection of Xayaburi HPP

- Overall construction progress achieved at 45%
- All construction activities are going on smoothly
- Being the first mainstream project-versatile, transparent, and inclusive
- Requirements of 1995 agreement deemed completely satisfied
- Other mainstream projects like Don Sahong and others to follow suit
Thank you very much for your attention

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