

ERI-PARI Joint Workshop
The Evolving Energy Relationship
between Thailand and Myanmar

Lessons from Nam Theun2 IPP Project

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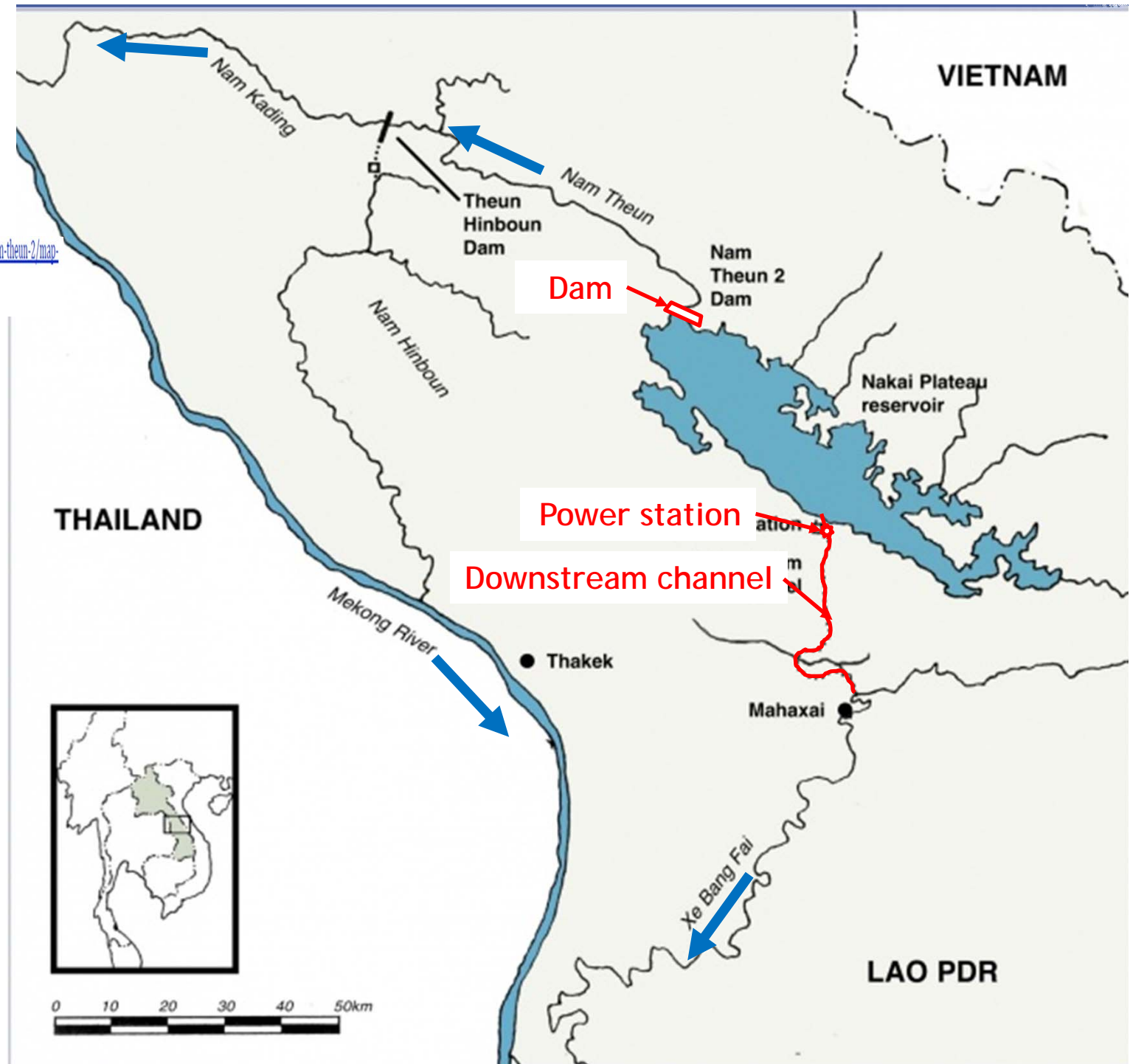
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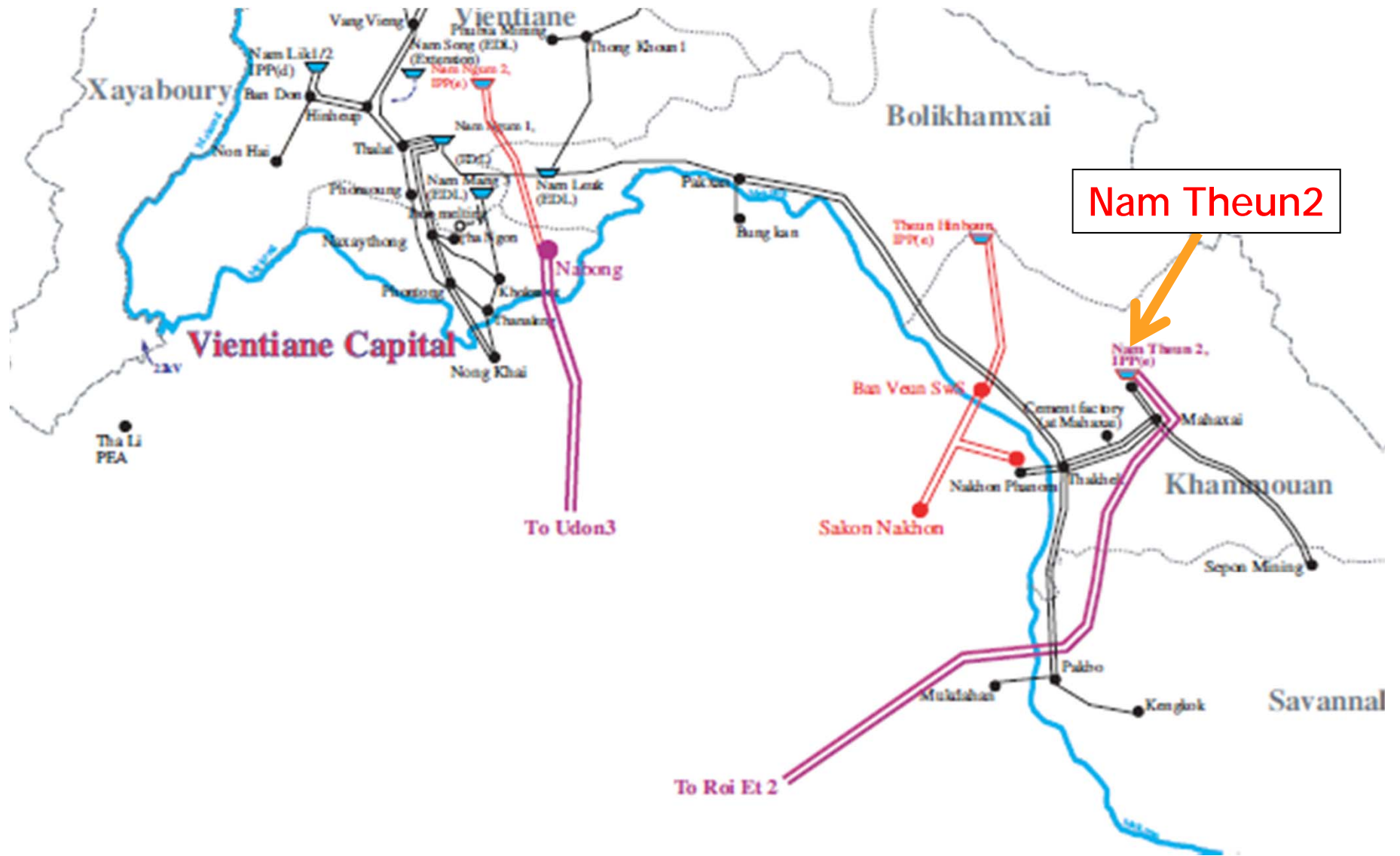
1. Outline of Nam Theun2 Project in Laos

- Nam Theun2 Power Company (NTPC)
(EDF 40%, LHSE 25%, EGCO 35%)
- Capacity : 1070MW (995 MW for EGAT, 75MW for EDL)
Dam height : 39m
Reservoir area : 450km², Reservoir volume : 3680 Mm³
Power discharge : 332m³/s, Net head : 356m
- Service period : 25 years
(started operation in 2010 under BOT scheme)
- Construction cost : About 1600 M US\$
(financed by WB/ADB)
- Revenue : annual 280M US\$
(of which 80M US\$ to Lao Government)

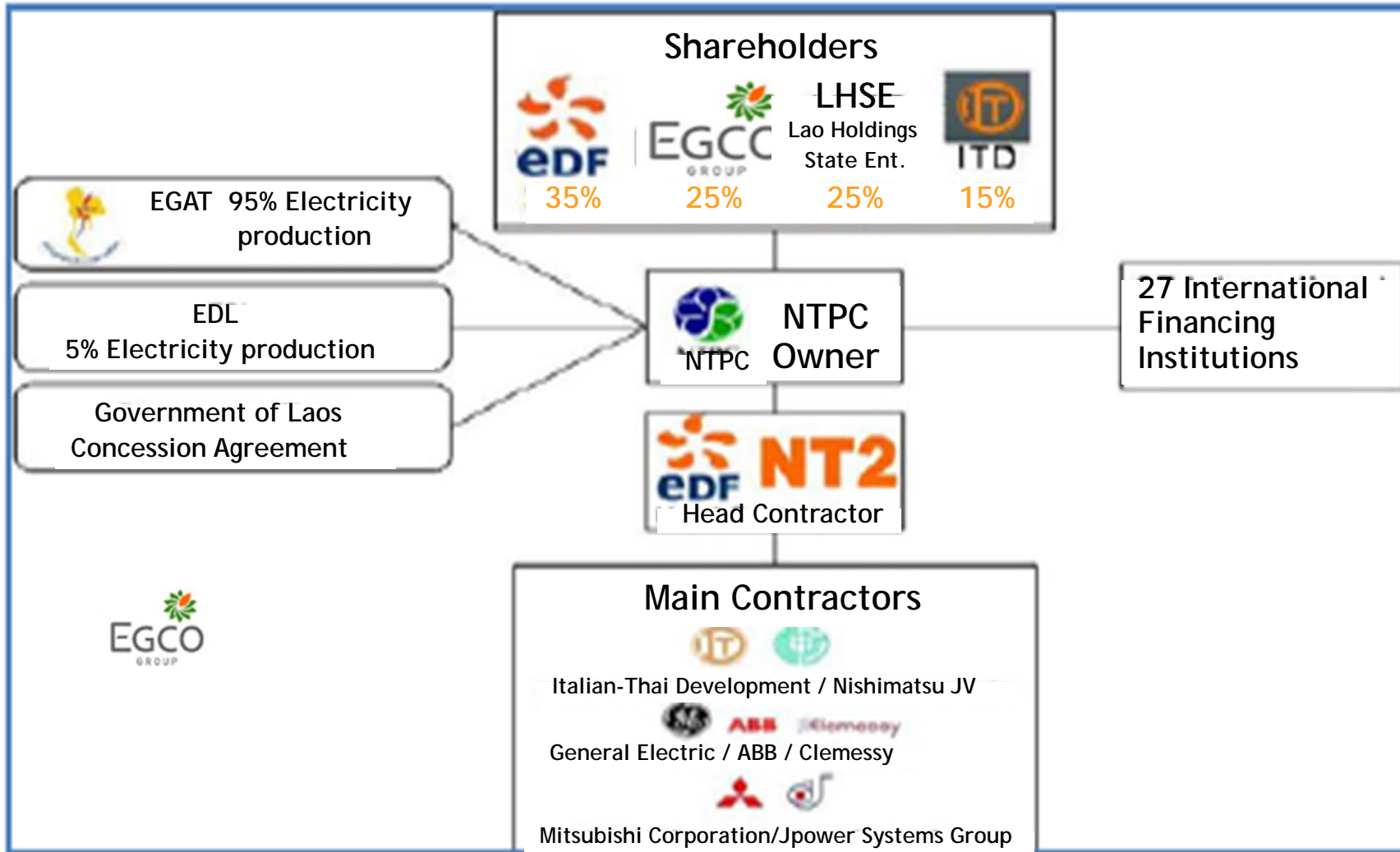
Nam Thuen2 IPP Project in Laos

Source: <http://www.internationalrivers.org/en/southeast-asia/laos/nam-thuen-2/map-nam-thuen-2-project-area?size=original> (downloaded 21 May 2010)





500 kV Line to EGAT (Nam Theun2 IPP Project)



Source: Nam Theun 2 website (www.namtheun2.com)

Note : Current shareholders (EDF 40%, EGCO 35%, LHSE 25%)



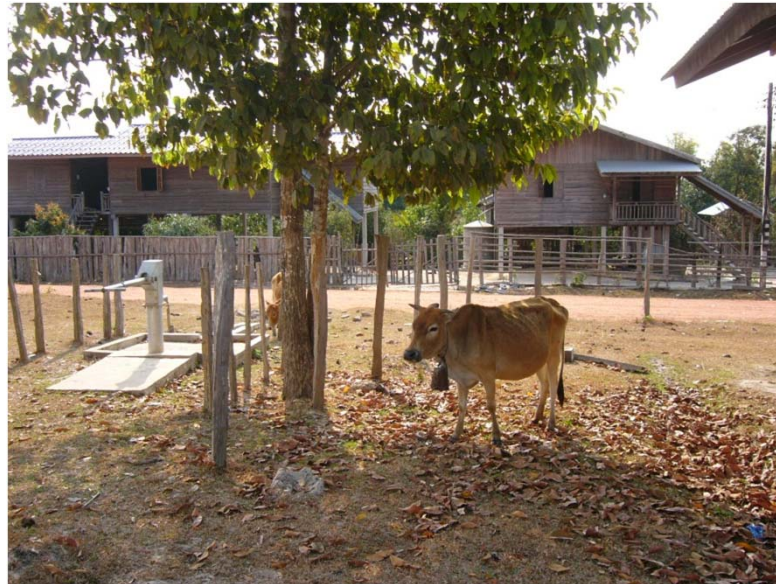
Dam



Power house



Alternate site 1 for resettled people



Alternate site 2 for resettled people

2. Lessons learnt from Nam Theun2

(1) Much revenue and domestic power-supply

- Lao government can get 80M US\$ annually as revenue
- EDL can get 75MW (300 GWh) of power as off-take portion

(2) Compensation and Environment Assessment

- Cumulative Impact Assessment (CIA)
- Over 6000 people were resettled to the alternate site
- Recovery of livelihood (houses, farm land, public facilities)

(3) Considerable care on environmental control

- Safeguard document on society and environment
- Monitoring and oversight system
- Public hearing

(4) Multipurpose use of riverflow

- Irrigation water supply
- River flood control

Lessons from NamTheun2 IPP Project

3. Recommended Win-Win IPP project in Myanmar

IPP company

- Power supply will contribute to power system in Thailand



Win -Win

Government

- Off-take power will be shared to MEPE and government can get much revenue through IPP operation.

Local People

- Livelihood level in project area will be improved (alternate site for resettled people, road construction, rural-electrification, irrigation, others)

Benefit Sharing will make

Win-Win Project !



Thank you for your attention