

Power Development Plan in Laos

(Subject to periodical update 17/7/2007)

No	Name of Project	Location Province	Installed Capacity	Status		Investors (Sponsors) ¹	Planned Market
				Progress and Signed Date MOU	(Planned) Commercial Operation Date		
1	Nam Dong Hydropower		1 MW	Operation	1960	<i>Electricité du Laos (EdL)</i>	Laos
2	Selabam Hydropower		5 MW	Operation	1960	<i>Electricité du Laos (EdL)</i>	Laos
3	Nam Ngum 1 Hydropower	Vientiane	155 MW	Operation	1971	<i>Electricité du Laos (EdL)</i>	Laos/Thailand
4	Se Xet 1 Hydropower	Salavanh	45 MW	Operation	1990	<i>Electricité du Laos (EdL)</i>	Laos/Thailand
5	Nam Leuk Hydropower	Vientiane	60 MW	Operation	2000	<i>Electricité du Laos (EdL)</i>	Laos/Thailand
6	Nam Mang 3 Hydropower	Vientiane	40 MW	Operation	2004	<i>Electricité du Laos (EdL)</i>	Laos/Thailand
7	Nam Phao		1,6 MW	Operation	1995	<i>Electricité du Laos (EdL)</i>	Laos
8	Nam Ko		1,5 MW	Operation	1996	<i>Electricité du Laos (EdL)</i>	Laos
9	Theun-Hinboun Hydropower (IPP)	Bolikhamxay	210 MW	Operation	1998	<ul style="list-style-type: none"> • EdL (Laos) 60% • Nordic Group (Norway) 20% • MDX (Thailand) 20% 	Thailand
10	Houay Ho Hydropower (IPP)	Champasak And Attapu	150 MW	Operation	1999	<ul style="list-style-type: none"> • EdL (Laos) 20% • Suez Energy (Belgium) 60% • HHTC (Thailand) 20% 	Thailand
11	Se Xet 2 Hydropower	Salavanh	76 MW	Construction	2008	<i>Electricité du Laos (EdL)</i>	Laos/Thailand
12	Nam Theun 2 Hydropower (IPP)	Khammuan	1070 MW	Construction	2009	<ul style="list-style-type: none"> • LHSE (Laos) 25% • EDF (France) 35% • EGCO (Thailand) 25% • ITD (Thailand) 15% 	Thailand
13	Nam Ngum 2 Hydropower (IPP)	Vientiane	615 MW	Construction	2011	<ul style="list-style-type: none"> • Shlapak Group (USA) 4% • EdL (Laos) 25% • C. Kanchang (Thailand) 28.5% • PT Construction & Irrigation Co., (Laos) 4% • Ratchabury (Thailand) 25% • Bangkok Expressway PCL (Thailand) 12.5% • TEAM Consulting Engineering and 	Thailand
14	Sekaman 3 Hydropower (IPP)	Xekong	250 MW	Construction	2010	<ul style="list-style-type: none"> • Laos 15% • VLP (Vietnam) 85% 	Vietnam

¹ Initial developers have obligations to prepare project studies and other project documents as the parties may agree upon. Contractors and suppliers will be engaged at the negotiations on the Concession Agreement. Additional investors may be invited prior to incorporation of the project company.

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15	Nam Ngum 3 Hydropower (IPP)	Saysomboun SP	460 MW	<ul style="list-style-type: none"> CA under Negotiation PPA under negotiation (tariff concluded) 	2013	<ul style="list-style-type: none"> EdL (Laos) 22.5% Marubeni (Japan) 25% Ratchabury (Thailand) 25% GMS (Thailand) 27.5% 	Thailand
16	Hongsa Coal-Fired (IPP)	Xayabury	1800 MW	HOA 18.12.2006	2015	<ul style="list-style-type: none"> Laos 20% Banpu (Thailand)-to be determined Strategic partners to be invited 	Thailand
17	Nam Ngiep 1 Hydropower (IPP)	Bolikhamxay	260 + 18 MW	<ul style="list-style-type: none"> PDA 27.4.2006 CA/PPA under negotiation (tariff concluded) 	2014	<ul style="list-style-type: none"> Laos 20 - 30% Nippon Koei (Japan)- to be determined Kansai Electric (Japan) to be determined Strategic partners to be invited 	Thailand
18	Theun-Hinboun Hydropower Expansion (IPP)	Bolikhamxay	220 + 60 MW	CA /PDA Under negotiation	2012	<ul style="list-style-type: none"> EDL 60% Nordic Group (Norway)-to be determined MDX (Thailand) -to be determined 	Thailand
19	Nam Theun 1 Hydropower (IPP)	Bolikhamxay	523 MW	<ul style="list-style-type: none"> CA under negotiation PPA under negotiation (tariff concluded) 	2013	<ul style="list-style-type: none"> Laos 20% Gamuda (Malaysia)- to be determined EGCO (Thailand) -to be determined 	Thailand
20	Sepian-Xenamnoi Hydropower (IPP)	Attapeu and Champasak	390 MW	MOU 3.8.2006 Under F/S	2014	<ul style="list-style-type: none"> SK Engineering & Construction (Korea) Laos 35% Strategic partners to be invited 	Thailand
21	Nam Mo Hydropower (IPP)	Xiengkhuang	105 MW	MOU 3.4.1997 PDA 18.11.1999 CA and PPA Negotiation	2015	<ul style="list-style-type: none"> Laos 25% Montgomery Watson Harza (USA) 37.5% MHW (Thailand)-to be determined Strategic partners to be invited 	Vietnam
22	Nam Mang 1 Hydropower (IPP)	Bolikhamxay	60 MW	MOU 8.2.2007	2012	<ul style="list-style-type: none"> Far-East Industrial Co.,Ltd 	Laos
23	Nam Ngum 5 Hydropower (IPP)	Vientiane and Xiangkouang	120 MW	CA/PPA 10.4.2007	2011	<ul style="list-style-type: none"> Laos 15% Sinohydro (China) 85% 	Laos
24	Nam Lik 1-2 Hydropower (IPP)	Vientiane	100 MW	CA 30.10.2006 PPA	2010	<ul style="list-style-type: none"> Laos 20% CWE (China) TBD 80% 	Laos
25	Nam Ou 8 Hydropower (IPP)	Phongsaly	680 MW	MOU 30.5.2005	TBD	<ul style="list-style-type: none"> Laos (25%) Sinohydro (China) 75% 	PR of China Or Thailand
26	Sekong 4 Hydropower (IPP)	Xekong	440 MW	MOU 3.9.2006	TBD	<ul style="list-style-type: none"> Region Oil (Russia) Strategic partners to be invited 	TBC

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27	Sekong 5 Hydropower (IPP)	Xekong	250 MW	MOU 22.12.2005	TBD	<ul style="list-style-type: none"> Region Oil (Russia) Strategic partners to be invited 	TBC
28	Sekaman 1 Hydropower (IPP)	Attapeu	290-400 MW	MOU 17.3.2006	TBD	VLP (Vietnam)	Vietnam/Cambodia
29	Nam Kong 1 (IPP)	Attapeu	238 MW	MOU 22.12.2005	TBD	<ul style="list-style-type: none"> Region Oil (Russia) Strategic partners to be invited 	TBC
30	Nam Kong 3 (IPP)	Attapeu	35 MW	MOU 22.12.2005	TBD	<ul style="list-style-type: none"> Region Oil (Russia) Strategic partners to be invited 	TBC
31	Dak Emeule Hydropower (IPP)	Sekong	185 MW	Research Study	TBD	Open to private investment (under selection)	TBC
32	Nam Kane Hydropower (IPP)	Luangphabang	40 MW	Research Study	TBD	Open to private investment (under selection)	TBC
33	Tad salen	Svannakhet	3.2 MW	MOU 22.7.2005	TBD	SIC Manufacturer (Thailand)	Laos
34	Xepone	Savannakhet	70+ 30MW		TBD		Laos
35	Houay Champi	Champasak	2 MW	MOU 29.9.2005	TBD	Champassack Construction Co.	Laos
36	Houay Yen	Champasak	2 MW	MOU 26.5.2006	TBD	Electronic Lao Co. Ltd.	Laos
37	Nam Ham	Sayaboury	2.5 MW	MOU 6.4.2005	TBD	KOBI Company (Laos)	Laos
38	Nam Hao	Huaphanh	5.1 MW	MOU 18.8.2004	TBD	Nice Engineering (Thailand)	Laos
39	Houay Katam	Champasak	33 MW	MOU 5.4.2006	TBD	ETEL CO INC. (Japan)	Laos/Thailand
40	Nam Tha 1	Odomxay	263 MW	MOU 28.8.2006	TBD	China Southern Power Grid Co.	TBC
41	Nam Beng	Oudomxay	50 MW	MOU 19.6.2006	TBD	China Electrical Equipment Corp.	TBC
42	Nam Ngum 4	Saysomboun	100 MW	Research Study		Free	Under research
43	Nam Sane 3	Xiengkhuang	60 MW	MOU 30.6.2006	TBD	Rohas Euco Industries Berhad (Malaysia)	TBC
44	Xe Katam	Champasak	61 MW	MOU 30.9.2004	2011	Kansai (Japan)	TBC
45	Houay Lamphan Gnai	Champasak	75 MW	Research Study	TBD	TEPCO (Japan), Study for Gol	Laos
46	Xe Kaman 4	Xekong	155 MW	MOU 19.12.2006		Free	Under research
47	Xe Kaman 2	Xekong	135 MW	Research Study	TBD	Free	Under research
48	Nam Nguio (Cancel)	Xiengkhuang	20 MW		TBD		Under research
49	Xe Kong 3	Xekong	150 MW	Research Study		Free	Under research
50	Xedone 2	Salavanh	54 MW	Research Study		Free	Under research
51	Xe Sou	Attapeu	95 MW	Research Study		Free	Under research
52	Xe Neua	Khammuan	40 MW	MOU 16.5.2006	TBD	Phonesack B.&Road ConstructionCo.	Laos
53	Nam Sim	Houphanh	8 MW	MOU 14.2.2003	TBD	Energy Development as (Norway)	Laos
54	Xe Bang Nouane (Cancel)	Salavanh	80 MW		TBD		Laos
55	Nam Ngiep 2	Vientiane	155 MW	MOU 16.11.2006		EDFI	TBC
56	Nam Mouane	Bolikhamxay	137 MW	Research Study		Free	Under research
57	Nam Feuang	Vientiane	60 MW	MOU 4.3.2007		Yunan Provincial Power Investment	
58	Nam Bak 1	Saysomboun SP	155 MW	MOU 11.4.2007		SEAN	
59	Nam Bak 2	Saysomboun SP	80 MW	MOU 11.4.2007		SEAN	

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60	Nam Ngum 4	Vientiane	60 MW			Free	Under research
61	Nam Lik 1	Vientiane	50 MW	MOU 7.7.2006	TBD	Hydro Engineering Co. (Thailand)	Laos
62	Nam Long	Luangnamtha	2.5 MW	MOU with Provincial Authority			Laos
63	Nam Khan 1	Luangphabang	115 MW	Research Study		Free	Under research
64	Nam Khan 2 (EdL)	Louangphabang	130 MW	MOU 13.10.2006		Sinohydro (China)	Laos
65	Nam Khan 3 (EdL)	Louangphabang	95 MW	MOU 13.10.2006		Sinohydro (China)	Laos
66	Nam Seuang 1	Louangphabang	41 MW	MOU 4.5.2007	TBD	BRUTHAI INTERNATIONALCO.,LTD	TBD
67	Nam Seuang 2	Louangphabang	134 MW	MOU 4.5.2007	TBD	BRUTHAI INTERNATIONALCO.,LTD	TBD
68	Nam Pha	Luangnamtha	70 MW	MOU 2.4.2007		AP Bizlink Group (Malaysia)	TBD
69	Nam Phak	Champasak	40 MW	31.5.2007		Kobe Green Power Co.,Ltd (Japan)	TBD
70	Pak Lay (on Mekhong Stream)	Xayabuly and Vientiane	1320 MW	MOU 11.6. 07	TBD	CIEC+Sinohydro	TBD
71	Don Sahong	Champasak	240 MW	MOU 23.3.2006	TBD	Mega First (Malaysia)	Thailand/Cambodia
72	XE LA NONG 2	Salavane	60 MW	MOU 22.11.2005	TBD	J.R.C Service Co.,Ltd (Japan)	TBD
73	Xayabury (on Mekhong stream)	Sayaboury	1260 MW	MOU 4.5.2007		Ch.Kanchang PT	
74	Luang Phabang (on Mekhong stream)	Luangphabang	1410 MW	MOU 14.10.2007		Petrovietnam Power Corporation	
75	Bak Bang (on Mekhong stream)	Luangphabang	1300 MW	MOU 29.8.2007	TBD	Datang International	

Note:

Market under research means a circumstance where demand for electricity both inside and outside the country is being sought.

TBD: To Be Determined

IPP: Independent Power Produce

PPA: Power Purchase Agreement

MOU: Memorandum of Understanding

PDA: Project Development Agreement

CA: Concession Agreement