



MINISTRY OF MINES AND ENERGY

General Department of Energy

Hydroelectricity Department



Contents

- I. Structure of Hydroelectricity Department
- II. Classification of Hydropower Plants (HPP)
- III. Hydropower Potential in Cambodia
- IV. Hydropower Development in Cambodia
- V. International Cooperation Projects

I. Structure of Hydroelectricity Department



Total Officer : 25 Persons (02 Female)

II. Classification of Hydropower Plants (HPP)

Type of HPP	Installed Capacity (kW)
- Micro (including Pico)	Up to 500
Small - Mini	501 – 5,000
- Small	5,001 – 10,000
Medium	10,001 – 50,000
Large	more than 50,001

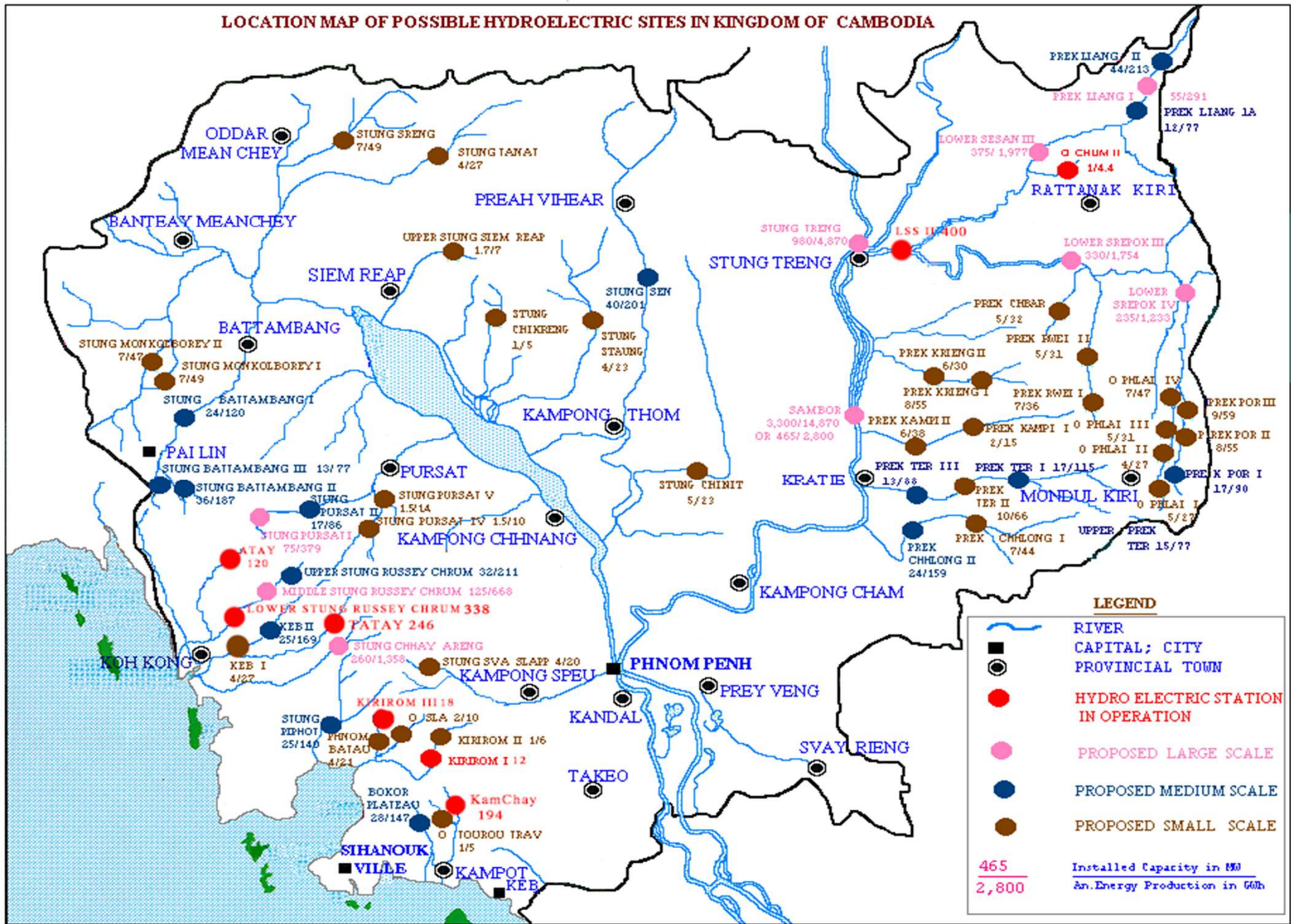
III. Hydropower Potential in Cambodia

Cambodia is have water resources and huge development potential for hydropower development.

Total hydropower potential is estimated about 10,000 MW.

- 50% in the Mekong river mainstream,
- 30% in the tributaries of Mekong river and
- 20% in the South-Western coastal area outside the Mekong basin.
- There are about 63 possible sites of small and large hydropower project in the whole country.
- Number of Possible Mini/Micro Hydropower
- Theoretical Small Hydropower Potential about: 300 MW.

LOCATION MAP OF POSSIBLE HYDROELECTRIC SITES IN KINGDOM OF CAMBODIA



IV. Hydropower Development in Cambodia

1. Existing Hydropower

No.	Name of the Project	Install Capa.MW	IA/PPA/LA	Company	Country
1	Kirirom 1	12	BOT	CETIC	China
2	Kirirom 3	18	BOT	CETIC	China
3	Kamchay	194.1	BOT	Sinohydro	China
4	Stung Atay	120	BOT	CHD	China
6	Lower Stung Russei Chhrum	338	BOT	CHDPC	China
5	Stung Tatay	246	BOT	CTHL	China
7	Lower Se San 2*	400	BOT	LSS2 Co.,Ltd	Cambodia/ China/VN

IV. Hydropower Development in Cambodia (Cont)

1. Hydropower Projects Under MoU Study

No	Name of the Project	Install Capa.MW	Company	Country
1	Stung Sala Munthun	70	Power China Ltd	China
2	Middle Stung Russie Chhrum	70	CHLSRC	China
3	Stung Veal Tmor Kombot	100	CHLSRC	China
4	Prek Liang 1&2	70&50	Asia Economic Dev.Ltd.	China
5	St. Battambang 2	36	ENEX Joint Stock Co.	Russia
6	Stung Pursat 1	40	KTC Cable Co., Ltd.	Korea
7	Stung Cheay Areng	108	SCAHP Co., Ltd	China
8	Sambor	2600	China(Cambodia) Rich Investment Co., Ltd.	Cambodia/ China
9	Lower Se San 1/5	96	EVNI	Viet Nam

IV. Hydropower Development in Cambodia (Cont)

1. Hydropower Projects Under MoU Study (Cont')

No.	Name of the Project	Install Capa.MW	Company	Country
10	Stung Meteuk	100	Stung Meteuk Hydropower Co., Ltd.	Cambodia/ Thailand
11	Stung Treng	900	China(Cambodia) Rich Investment Co., Ltd.	Cambodia/ China
12	Lower Sekong	190	China(Cambodia) Rich Investment Co., Ltd.	Cambodia/ China
13	Lower Sre Pok 3&4	416	China Huadian Hong Kong Co., Ltd.	China
14	Lower Stung Toch	24	Rich Grid Tech.Co.,Ltd.	China
15	Upper Stung Toch	56	Stung Toch Hydropower Co.,Ltd.	China
16	Lower Se San 3	180	Power China Ltd	China

V. International Cooperation Projects

The Japanese grant aid project in cooperation with the Royal Government of Cambodia:

- O Moleng Micro-hydropower, installed capacity 185kW, in Mondul Kiri province was commissioned in November, 2008.
- O Romis Micro-hydropower, installed capacity 185kW, in Mondul Kiri province was commissioned in November, 2008.
- Diesel Generator, installed capacity 300 kVA, in Mondul Kiri province was commissioned in November, 2008.



Thank you for your kind attention !!!

