

Electricity Master Plan and Policies of Myanmar

Master Plan

- Myanmar Energy Master Plan (ADB + MOE(NEMC)).
- National Electricity Master Plan (JICA+MOEP) (Currently under updating)
- National Electrification Plan (WB+MOEE+MOALI)
 - To electrify the whole country in 2030-31
 - Approved on Nov,2015
 - Implement solar home(500000 HH)and mini grid(35000HH) up to 2020-2021

Policies for Power Sector

- To utilize the available energy resources in power generation to meet our demand
- To adopt the environment- friendly ways
- To encourage Private-participation in power generation and distribution

Strategic Environmental Assessment(SEA)

- ❖ SEA for Hydropower Sector (MOEE+MONREC+ IFC)
- ❖ SEA for Power Sector (MOEE+ JICA)

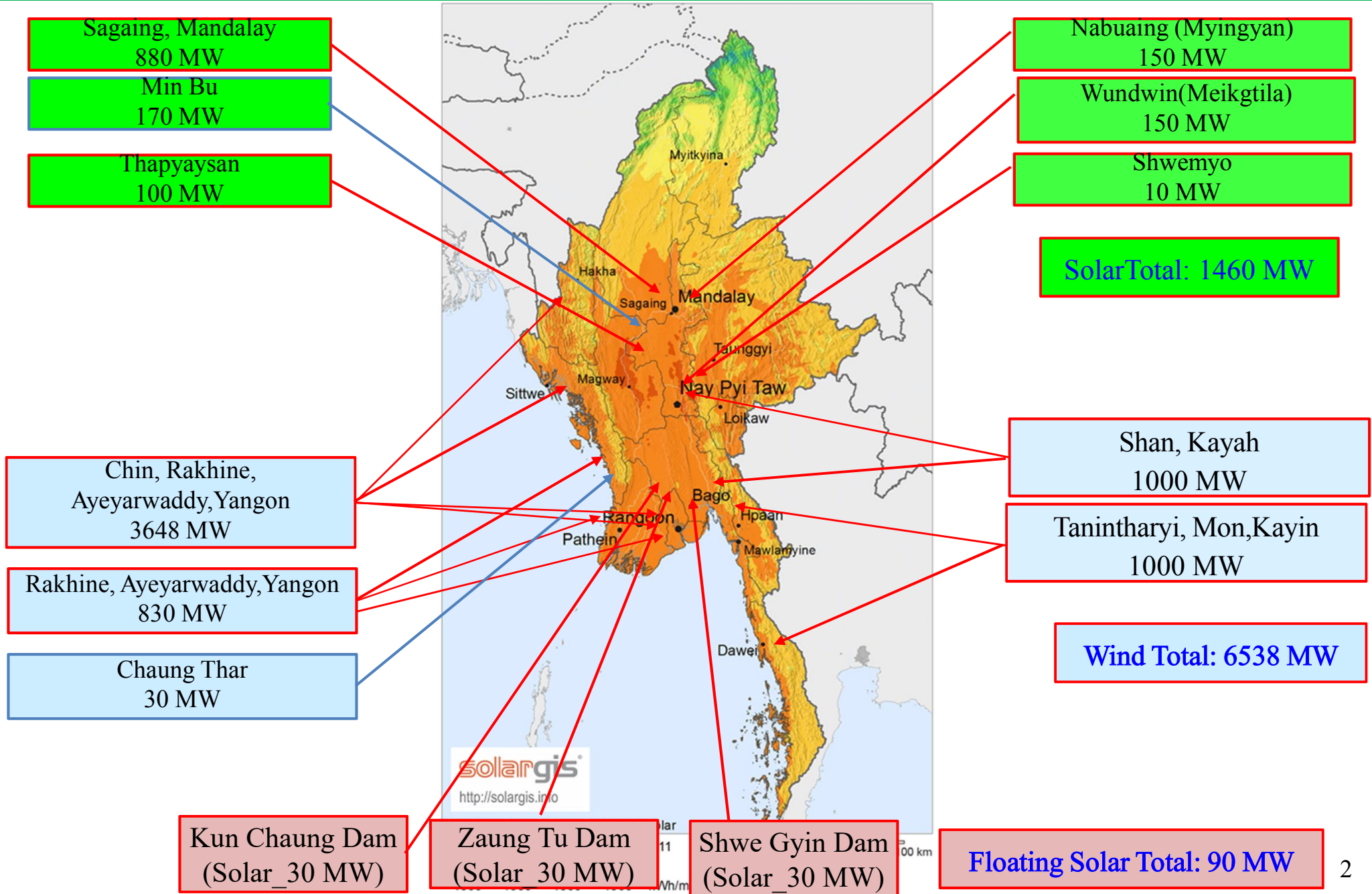
Myanmar NDC

- 9 GW generation from Hydropower Sector
- 30% of Generation from RE

International Solar Alliance (ISA)

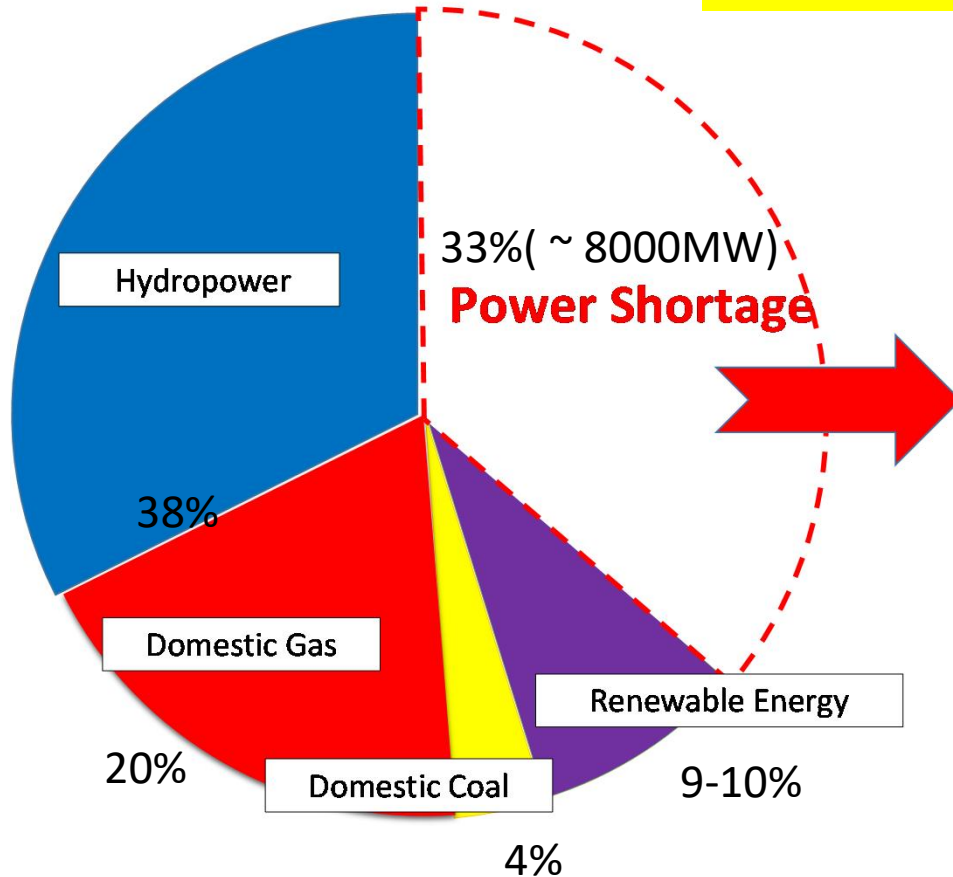
- India and France invite to sign ISA
- Will joint near future

Exploiting RE Power Projects



Generation Mix and RE

Power Demand in 2030 (23,594) MW



To achieve System stable and Secure energy

Which resources should be filled or suitable?

Can RE generate to Full fill Power shortage?

If can, Is Power System stable?

If not, may it need realistic Generation Mix?

REs are rapidly expanding on global Level.
We need to study technical knowhow.

Legal Framework

- Electricity Regulatory Authority (ERA) was not founded.
- Tariff Regulation was not established yet.
- Renewable Energy Policy was not established yet.
- Feed-in-Tariff ?

Tariff

- Government Subsidize
- Difficult to Increase Tariff
- Tariff proposed could be high comparing to the current tariff.

Technical

- Intermittent condition
- Myanmar National Grid System is not strong
- Prior to solve to put into grid
- Need new Based Load Power Stations and T/L & S/S.