FIFTH GREATER MEKONG SUBREGION ENVIRONMENT MINISTERS’ MEETING
Dialogue Session 2: Green Energy: Powering the Future

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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

- Nabuaing (Myingyan) 150 MW
- Wundwin (Meikgtila) 150 MW
- Shwemyo 10 MW
- Min Bu 170 MW
- Thapyaysan 100 MW
- Sagaing, Mandalay 880 MW
- Chin, Rakhine, Ayeyarwaddy, Yangon 3648 MW
- Rakhine, Ayeyarwaddy, Yangon 830 MW
- Chaung Thar 30 MW
- Shan, Kayah 1000 MW
- Tanintharyi, Mon, Kayin 1000 MW

**Solar Total: 1460 MW**

- Kun Chaung Dam (Solar_30 MW)
- Zaung Tu Dam (Solar_30 MW)
- Shwe Gyin Dam (Solar_30 MW)

**Wind Total: 6538 MW**

**Floating Solar Total: 90 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?

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.

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