“Developing Policies, Guidelines and Sustainable Planning Principles for the Myanmar and Bhutan Hydropower and Water Resources Sectors “

4th September 2017

Morten Johnsen
Head of International Department
Content

- Short Intro to NVE mandate and role
- Key challenges in NVE partner countries
- Experiences from Bhutan
- Current progress in Myanmar
Norwegian Water Resources and Energy Directorate

- Dam
- Wind Power
- Water Power
- National Grid
- Distribution Grids
- Domestic Consumption
- Industrial Consumption
- Export
- Import
- NORD POOL SPOT
- POWER SUPPLIERS
Institutional Cooperation

Norwegian Embassy (NORAD)  ↔  Ministry of «Electricity»

NVE
Key Sector Challenges in NVE partner countries – Bhutan and Myanmar

- Key sector challenges identified during programme planning
  - Most sector responsibilities gathered in one institution
  - Low electrification
  - Steep national power demand
  - Lack of national funding
  - Growing interest from international investors
  - Many engineers, few other disciplines
  - Low implementation capacity of legal framework
  - Incomplete hydrological data and storage
  - Growing public interest (Myanmar)
Update of the Power System Master Plan 2003
BEA ORGANOGRAM

- Minister
- Commissioners
- Chief Executive Officer
  - Internal Audit Unit
  - Legal Affairs Division
  - Economic Department
    - Adm & HR Division
    - Finance Division
    - Economic Research Division
    - Tariff Division
  - Technical Department
    - Licensing & Technical Division
    - Monitoring Division

Total 33 staff in BEA Secretariat
Hydropower Resources of Myanmar

Sustainable Framework for Hydropower Development

- Regulatory Framework
- Technical Capacity in MOEE
- Design Basis
Norwegian Water Resources and Energy Directorate
Summing up

- Long term commitment and results
- Gradual development of institutional and individual capacity leading to organizational change and practice
- Institutional cooperation is flexible and can easily adapt to new priorities
- Important with donor coordination
- Challenging with changing political priorities and national funding
Short movie

- Bhutan Electricity Authority (BEA) reflections