

World Water Day 2018



MINISTRY OF ELECTRICITY AND ENERGY
Department of Hydropower Implementation
Water Resources Management

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Water Resources Management for Energy Sector

- IFC Guidelines for Oil and Gas Development
- Waste Water neutralization system at oil refineries
- Onsite reuse of wastewaters and use of recycled water
- Curbing the rate of water consumption by reusing, recovering water
- Control ground water Contamination (sump pit, oil separator)



Water Resources Management for Hydropower

- Regulate and operate 27 No. of hydropower stations
- Dam Type Hydropower Stations 21
- Run off River Type Hydropower stations 6
- Optimizing the operation of reservoirs by Rule Curve
- Generation-mix changes seasonally to enhance water resources utilization



Dam Safety and Monitoring

- Emergency Preparedness and Response Plan
 - Identification of potential emergencies based on hazard assessment;
 - Procedures to respond to the identified emergency situations;
- Dam Monitoring Instruments, visual inspection



Regulation for Safety

- Myanmar Hydropower Standard, technical standard
- to ensure that hydropower facilities provide adequate safety for human life and livelihoods, the environment and public and private assets
- Classification of Watercourse Structures based on hazard potential (High, Significant, Low)
- Check flood (PMF) for High and Significant
- To carry out flood break analysis and prepare inundation maps for dams in classes High and Significant



EIA Guidelines for Hydropower

- Implementation of effective risk and impact assessment and management can play a significant role in preventing or mitigating and remediating impacts.
- Erosion and Sedimentation
- Hydrological Impacts and Changes to Environmental Flow
- Surface Water Hydrology and Quality
- Groundwater Hydrology and Quality



Hydropower and the Environment

- Nature for Water
- SEA for Hydropower Sector in Myanmar
- HSE Policy and requirements for Construction of Hydropower Projects by DHPI, approved on 27th Sep. 2016
- MOEE approved ESMS Policy and requirements for Planning and Construction of Hydropower Projects by DHPI on 6th June 2017





Thank You for your attention.