

#### STUDY IN MK 30

#### **THEME: WATER & ENERGY**

# SUBOPTIMAL OPERATION OF HYDROPOWER PLANT IN MYINGE

# **Prof Aung Ze Ya**

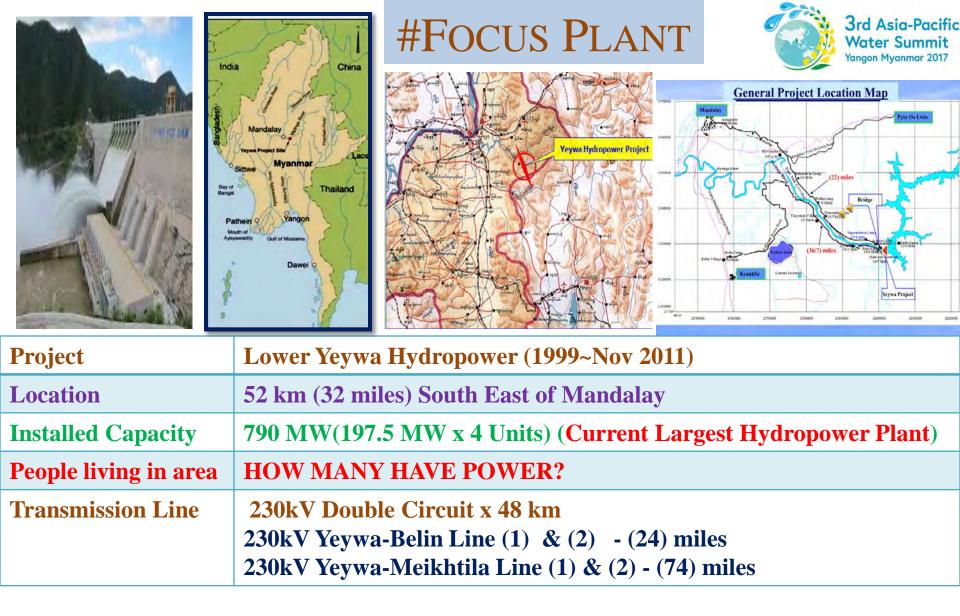
#### Yangon Technological University Ministry of Education

Dec 11, 2017

12/14/2017

Sedona Hotel, Yangon





## **#FIELD TRIP TO YEYWA HYDROPOWER**



•Discuss with the Operators •Interview to Villagers





We need the electricity!!!

Prof. Aung Ze Ya (YTU, Myanmar)

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## PROBLEM-

## **#SUB-OPTIMAL**

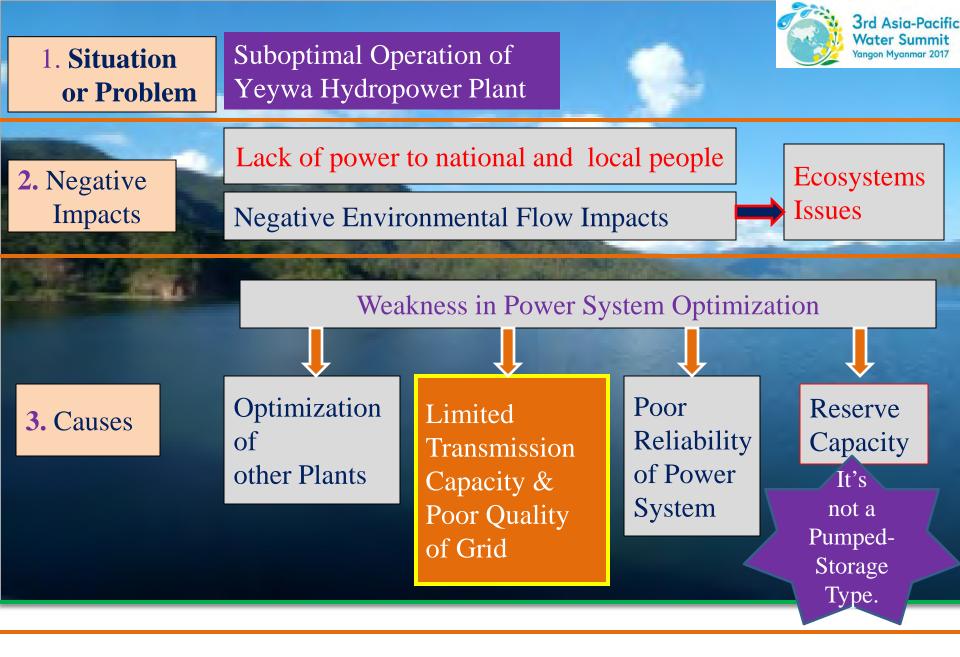




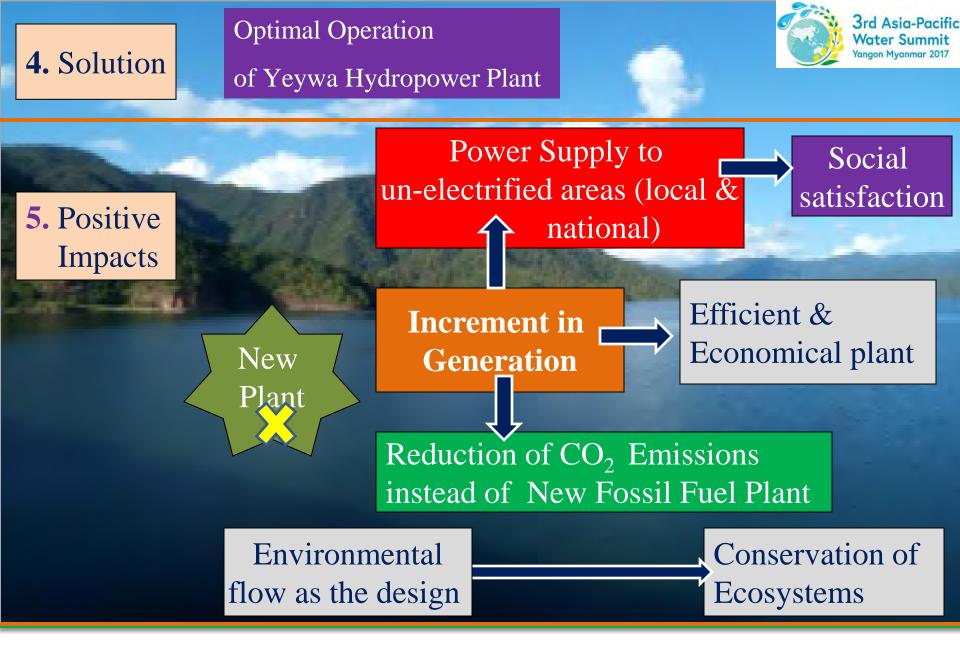
•Excess Electricity → Reserve Capacity ???
•Cascade Dam → Upper Yeywa (Under Construction) & Middle Yeywa (Planned)

Other side of Myanma Power System: •Only ~38% Electrified → Insufficient Generation Capacity •Unelectrified Villages locally (much higher than national level) → Near to Transmission Lines from Hydropower



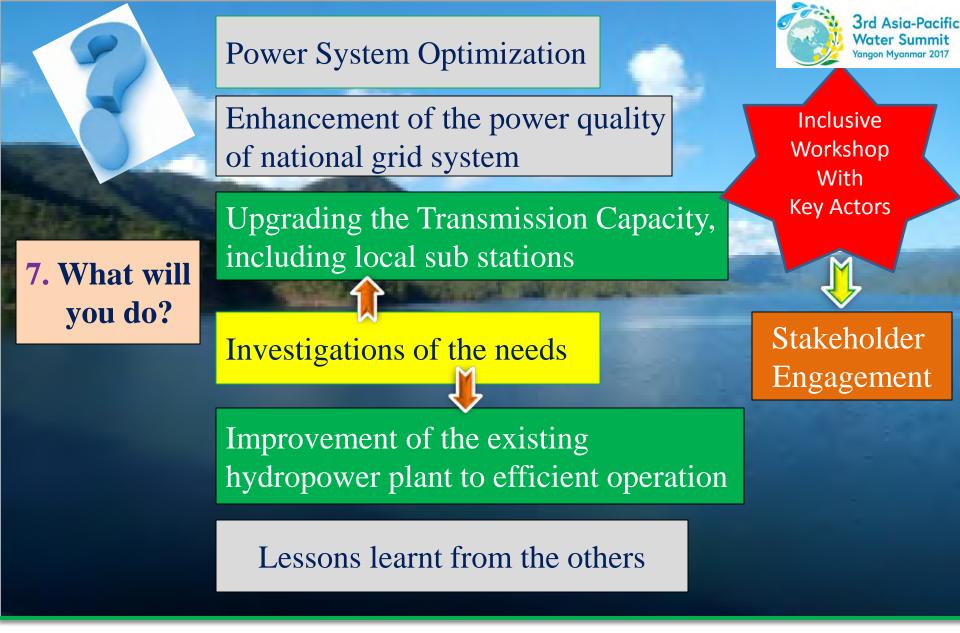


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### To optimize the power system To improve High power quality of national grid system 6. What is To install sufficient transmission capacity, including local sub stations needed to fix To provide the efficient operation of the plant the Causes?







# 8. What will be the changes?

### Beneficial Operation of Hydropower Plant

#### Less Negative Impacts

Economic Viability

**Efficient Generation** 

9. Goal

High Quality of National Grid, Sufficient Local Grid and Optimum Power System in Myanmar

Prof. Aung Ze Ya (YTU, Myanmar)



# "Thank You Very Much for Your Kind Attention!" PROF AUNG ZE

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