Leadership and management programme for senior management of national meteorological and hydrological services (NMHS) in regional associations II and V was organized from 26 to 30 of August, 2019 in Singapore. The group comprising the participants from Cook Islands, Nepal, Bangladesh and Pakistan, were involved as a part of the programme, to fulfill the objective of team project to consolidate the learning obtained during the programme, to analyze emerging challenges related to theme “Managing Financial Resources”.

Nepal is highly vulnerable to natural disasters. The country falls in the top twentieth list of the most multi-hazard prone countries in the world. Globally, it is ranked fourth, eleventh and thirtieth in terms of vulnerability to climate change, earthquake and flood risks respectively. Other major disasters in Nepal are landslide, fire, drought, epidemic, storm, hailstorm, avalanches and GLOF. For the sustainable development and to cope with natural disaster related to weather, climate and water resources has increase the demand of meteorological and hydrological services to help promote lives and livelihoods from meteorological and hydrological hazards. To fulfill the state and public need for met-hydro monitoring, data management and prediction there is an urgent need to the NMHS to improve its most of the tradition monitoring system to modernization.

The economic cost associated with natural disasters has increased the importance of hydro-met services to the national economy. But the less priority by the government towards require financial resources to the national meteorological and hydrological services in Nepal for its operation and modernization, the Department of Hydrology and Meteorology (DHM) is in tremendous pressure to better manage its financial resources to tackle emerging challenges more effectively and efficiently.

**Emerging challenges are:**

* Foresee the future financial challenges
* Leadership quality
* Financial handling capacity of managers.
* Ensuring long term operation and maintenance budgeting
* Ensuring the sustainability of the financial investment
* Streamlining and consolidating budgeting and reporting system,
* Lack of knowledge about Procurement process
* Lack of competency to adapt the changing context for betterment-reluctance toward changes
* Lack of strategic foresight planning for budgeting/financing
* Meet the changing market demands and anticipating future events and trends?

**Solution:**

* Performance: base budgeting system
* Outcome base budgeting system
* Priority /need base budgeting system
* Introduce the cost recovery mechanism for financial management
* Enhance financial negotiation sill
* Develop financial management plan
* Financial decision support/management system
* Strengthening budget preparation and execution: to ensure budgets are more realistic and efficiently spent.
* Public procurement: to ensure that the government gets good value for money when it buys goods and services or builds infrastructure.
* Strengthening financial management capability of managers
* Raise the competency and innovation of financial managers.
* Adopt the latest technology to cope with the emerging challenges.
* Government should be convinced and realized socio-economic benefits the NMHSs earn through their services.