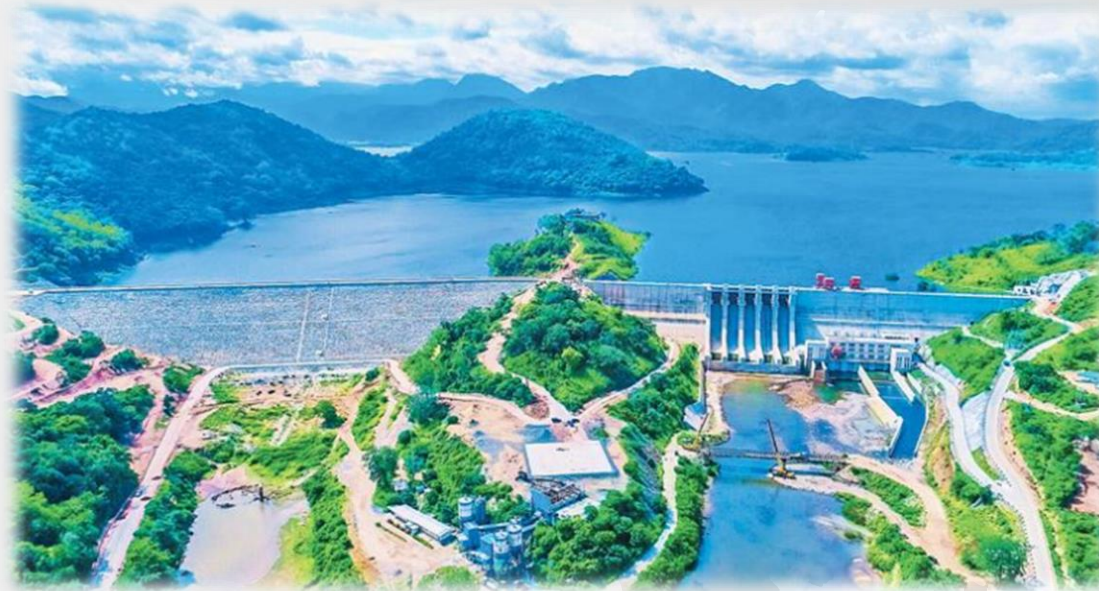


WATER FOR SUSTAINABLE DEVELOPMENT (2018-2028) MAHAWELI AUTHORITY OF SRI LANKA

12TH AOGEOSYMPOSIUM 2019 CANBERRA, AUSTRALIA, 2-4 NOVEMBER 2019



**DR. D.M.S. DISSANAYAKE
DIRECTOR GENERAL
MAHAWELI AUTHORITY OF SRI LANKA**

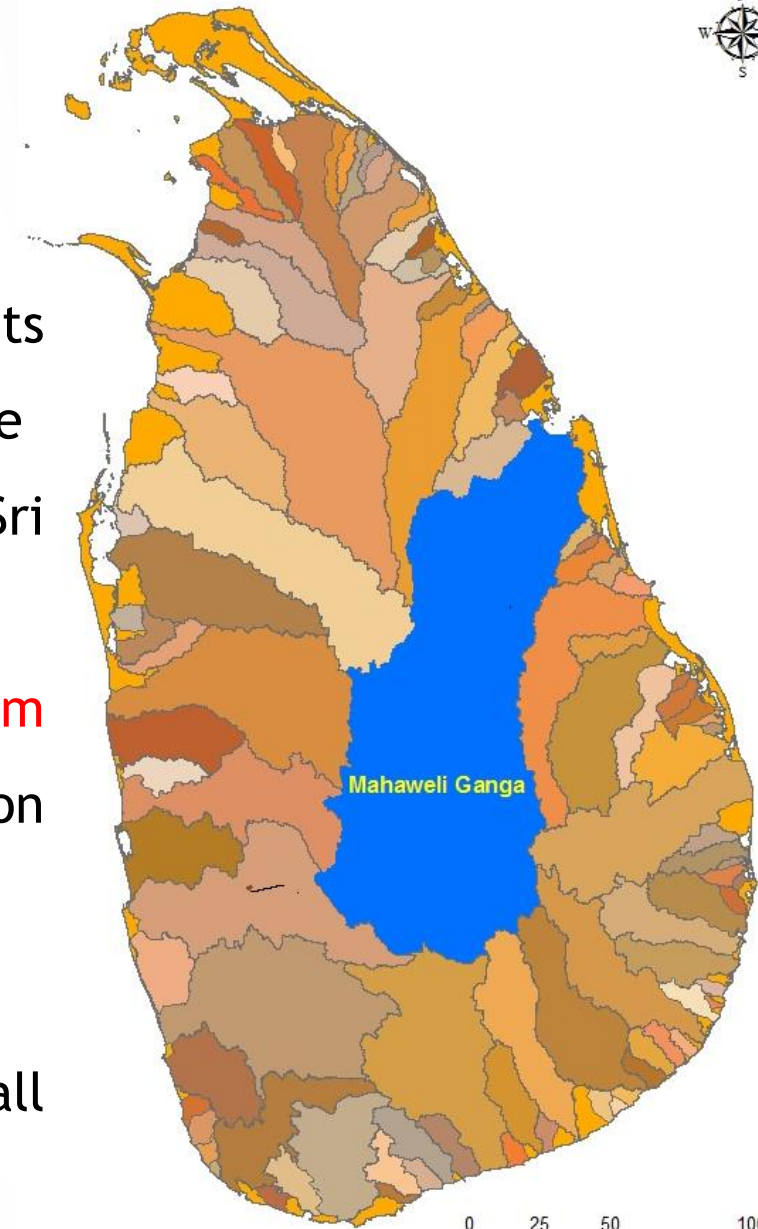


OUT LINE

- ✓ Basic Salient Data of Mahaweli Basin
- ✓ Basic Salient Data of Mahaweli Development
- ✓ National report on the platform activities
- ✓ Proposal of capacity development
- ✓ Roadmap/strategic way for global agenda(SDGs/PA/SFDRR)

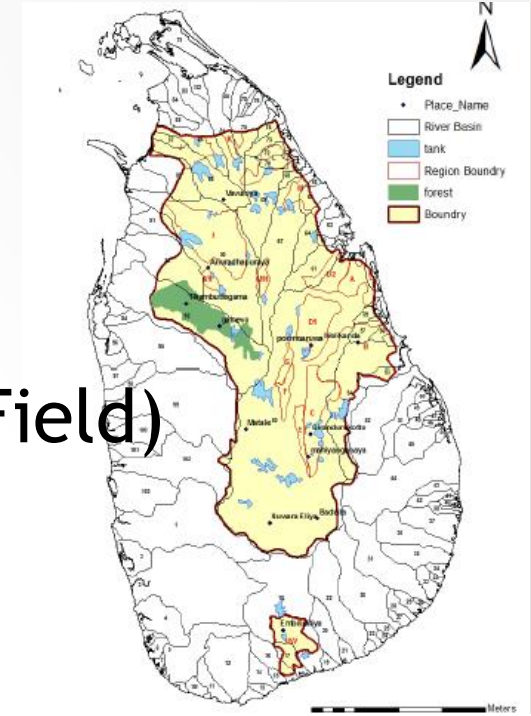
BASIC SALIENT DATA OF MAHAWELI BASIN

- ✓ Catchment area : **10,267 km²**
- ✓ River length : **335 km**, enters sea at various places through its distributaries, but the main channel at Koddiyar Bay near Trincomalee
- ✓ Annual catchment yield : **11,000 MCM** (24% of yield (Total Water) of Sri Lanka)
- ✓ Upper areas in the Wet Zone with annual rainfall : **5,300 mm** (Upper basin crucial to the water resources for hydropower, irrigation in the Mahaweli Basin and for many areas outside the basin)
- ✓ Upper catchment receives rainfall from Southwest Monsoon
- ✓ Lower basin in the dry zone with MAR : **1,650 mm** Receives rainfall from Northeast Monsoon



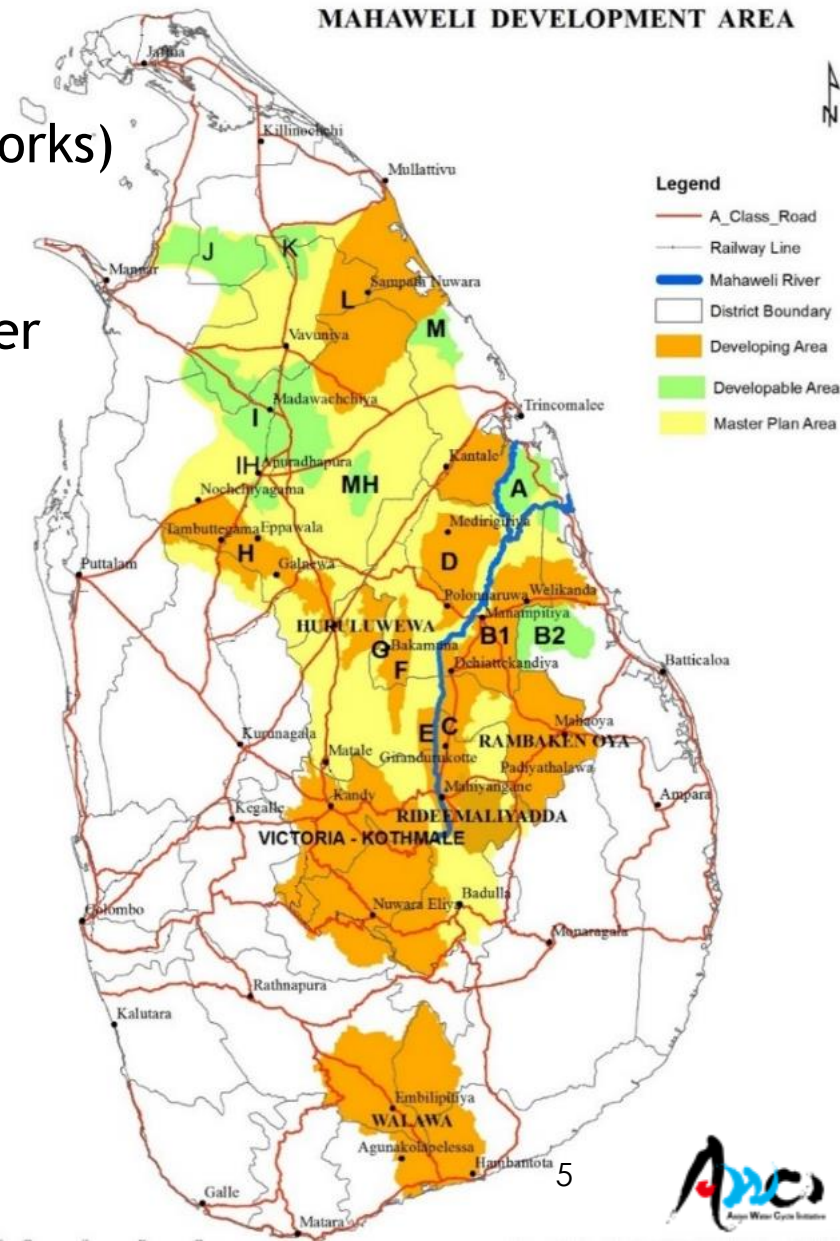
BASIC SALIENT DATA OF MAHAWELI DEVELOPMENT (MASL)

- ✓ Water Storages - 3500 MCM
- ✓ Hydro Electric Power - 750 MW
- ✓ Canal Structures - 15,000 km (Main+Branch+D+Field)
- ✓ Agricultural Development - 150,000 Ha



NATIONAL REPORT ON THE PLATFORM ACTIVITIES

- ✓ The generation of hydroelectric power (Moragahakanda and Head Works)
- ✓ Controlling floods (Reservoir Operations and Diversion Canals)
- ✓ Making irrigation facilities for dry zone cultivation and Drinking water (Diversion Canal)
- ✓ Water Management
- ✓ Settlement for landless people
- ✓ Developing physical and social infrastructure required for human habitation by using the water of the Mahaweli River
- ✓ Increase local agricultural production (Paddy and OFC)
- ✓ Environmental protection and improve the existing condition
- ✓ Create employment opportunities



PROPOSAL OF CAPACITY DEVELOPMENT

- ✓ Awareness Programme for officers (to achieve the SDGs)
- ✓ Local Training programme for officers based on their specialties
- ✓ Foreign Training programme for officers based on their specialties with assistance with ERD and Others organizations (Foreign experience, Knowledge, new Ideas ,etc)
- ✓ Holding Onsite workshops (Water Management, Survey, PRA, etc)
- ✓ Short Course for engineers (updating the knowledges with multi sustainable Development areas)
- ✓ Assistance and giving more opportunities for Postgraduate education (Part time /full time)
- ✓ Participation of CPD (Continue Professional Development) activities
- ✓ Working with foreign funded projects which belongs to different ministries (MWSIP/IW-WRMP/CRIP)
- ✓ Sharing experience with stakeholders
- ✓ Working and collaboration with international organizations and flat forms (NARBO,ICUN.IWMI)
- ✓ Research and Developments in multi disciplinary areas

ROADMAP/STRATEGIC WAY FOR GLOBAL AGENDA

1.SDGS



2.SFDRR

Sendai Framework for Disaster Risk Reduction 2015- 2030



3.PARIS AGREEMENT ON CLIMATE CHANGE





SUSTAINABLE DEVELOPMENT GOALS

17 GOALS TO TRANSFORM OUR WORLD

1 NO POVERTY



2 ZERO HUNGER



3 GOOD HEALTH AND WELL-BEING



4 QUALITY EDUCATION



5 GENDER EQUALITY



6 CLEAN WATER AND SANITATION



7 AFFORDABLE AND CLEAN ENERGY



8 DECENT WORK AND ECONOMIC GROWTH



9 INDUSTRY, INNOVATION AND INFRASTRUCTURE



10 REDUCED INEQUALITIES



11 SUSTAINABLE CITIES AND COMMUNITIES



12 RESPONSIBLE CONSUMPTION AND PRODUCTION



13 CLIMATE ACTION



14 LIFE BELOW WATER



15 LIFE ON LAND



16 PEACE, JUSTICE AND STRONG INSTITUTIONS



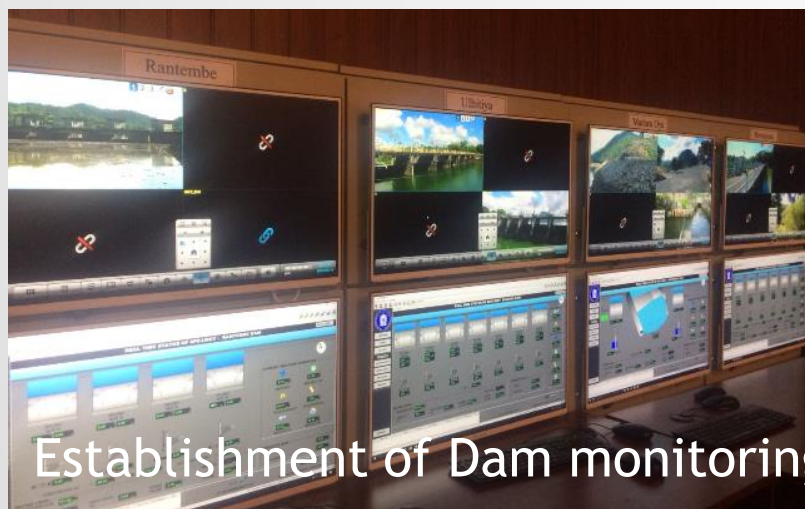
17 PARTNERSHIPS FOR THE GOALS




SUSTAINABLE
DEVELOPMENT
GOALS

MASL ACTIVITIES UNDER SFDRR (SENDAI FRAMEWORK FOR DISASTER RISK REDUCTION SFDRR)

- ✓ Main Stakeholders of SFDRR in Sri Lanka as largest multi disciplinary organization (Focal Point)
- ✓ MASL is actively involving to achieve SFDRR 2015-2030 targets
- ✓ Closely works with Disaster Management Center (SL) and ID -Data sharing , Early warning issues, etc
- ✓ Awareness among the stakeholders and MASL officers
- ✓ Establishment of Dam monitoring unit at head works
- ✓ Involvement of Flood and Drought Mitigation Projects in MASL areas (CRIP/DSWRPP/MWSIP/MASL Annual)



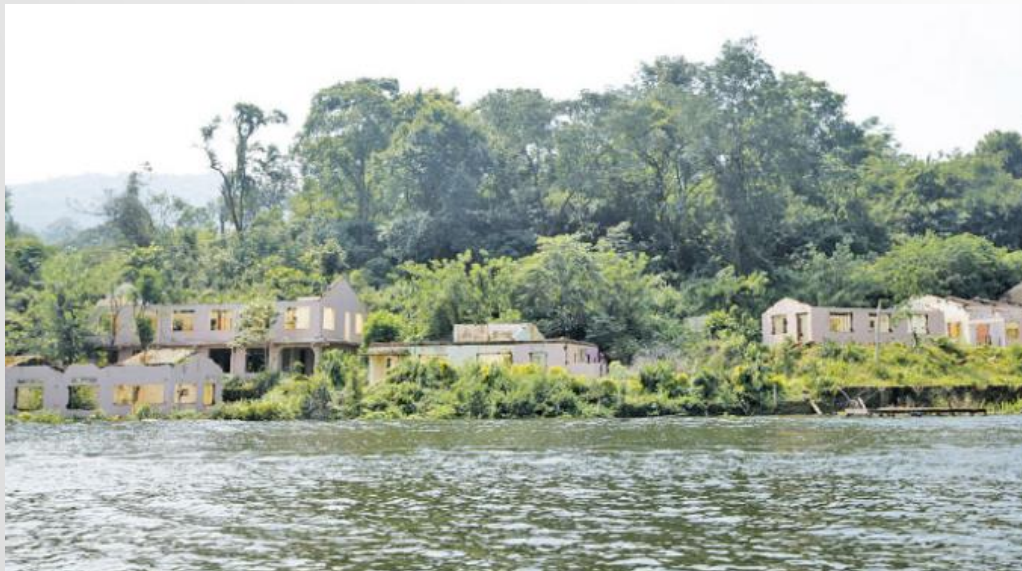
Establishment of Dam monitoring unit at head works

MASL ACTIVITIES UNDER PARIS AGREEMENT ON CLIMATE CHANGE (Green House Gas Emissions Mitigation and Adaptation)

- ✓ Minimize development projects which leads deforestation
- ✓ Plant production program for enhance forest cover up to 32% in Sri Lanka (5 Million plants Programme)
- ✓ Reforestation projects, Awareness among the settlers, stakeholders and MASL officers
- ✓ Green Buildings, Cities (Moragahakanda & Laggala)
- ✓ Home gardens programme
- ✓ School children awareness programme
- ✓ Riverine programme and Bamboo Tree plantation along Mahaweli river
- ✓ Soil Conservation program with soil conservation practices as well as planting programs in upper and Lower Mahaweli catchment
- ✓ Green Energy Development project (Solar power on bare lands, Mini hydro power)



REFORESTATION AND GREEN BUILDINGS IN NEW MAHAWELI DEPLOYMENT AREAS



**“NOT ONE DROP OF WATER SHALL REACH THE
SEA WITHOUT FIRST SERVING MAN”**

BY. GREAT KING PARAKRAMABAHU (1153-1186)

THANK YOU

