



Ministry of Mahaweli
Development and
Environment



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Climate Resilient Integrated Water Management Project

Progress Report

September 2018

Where are we now? [September 2018]

Dr. Buddika Hapuarachchi – Chief Technical Advisor, Disaster Risk Reduction and Climate Change Adaptation.

“GCF funded Climate Resilient Integrated Water Management Project has made a substantial progress during the year in terms of founding the project among the national and local stakeholders, including target beneficiaries, community awareness building and participatory planning. The Project has already started operationalization of village irrigation system upgrading plans in four districts.”

OUTPUT 1

1. Baseline survey is completed including the household survey and Participatory Climate Risk Vulnerability Capacity Assessment (PCR-VCA) report is being drafted
2. Technical Working Committee was convened to obtain overall guidance on cascade water resource development and management planning
3. Approval for the project activities from relevant institutions, including District Coordinating Committees and Agricultural Committees obtained
4. IWMI is working on a model for cascade prioritization considering hydrological potential, institutional coherence and investment efficiency to enable decision making within the project and to guide public or private investment in village irrigation rehabilitation
5. Village level orientation programmes were completed in eight selected cascades to increase the awareness of the community on project activities, climate risks and future challenges, adaptation measures and cascade water resource development and management planning:

✓ Mathavuvlthakulam

- ✓ Thuduvaikkeikulam
- ✓ Sivalakulama
- ✓ Bandarakumbukwewa
- ✓ Palugaswewa
- ✓ MaddeRambawa
- ✓ Mamunugama
- ✓ Anguruwella

6. Sixteen (16) cascades have been selected for upgrading

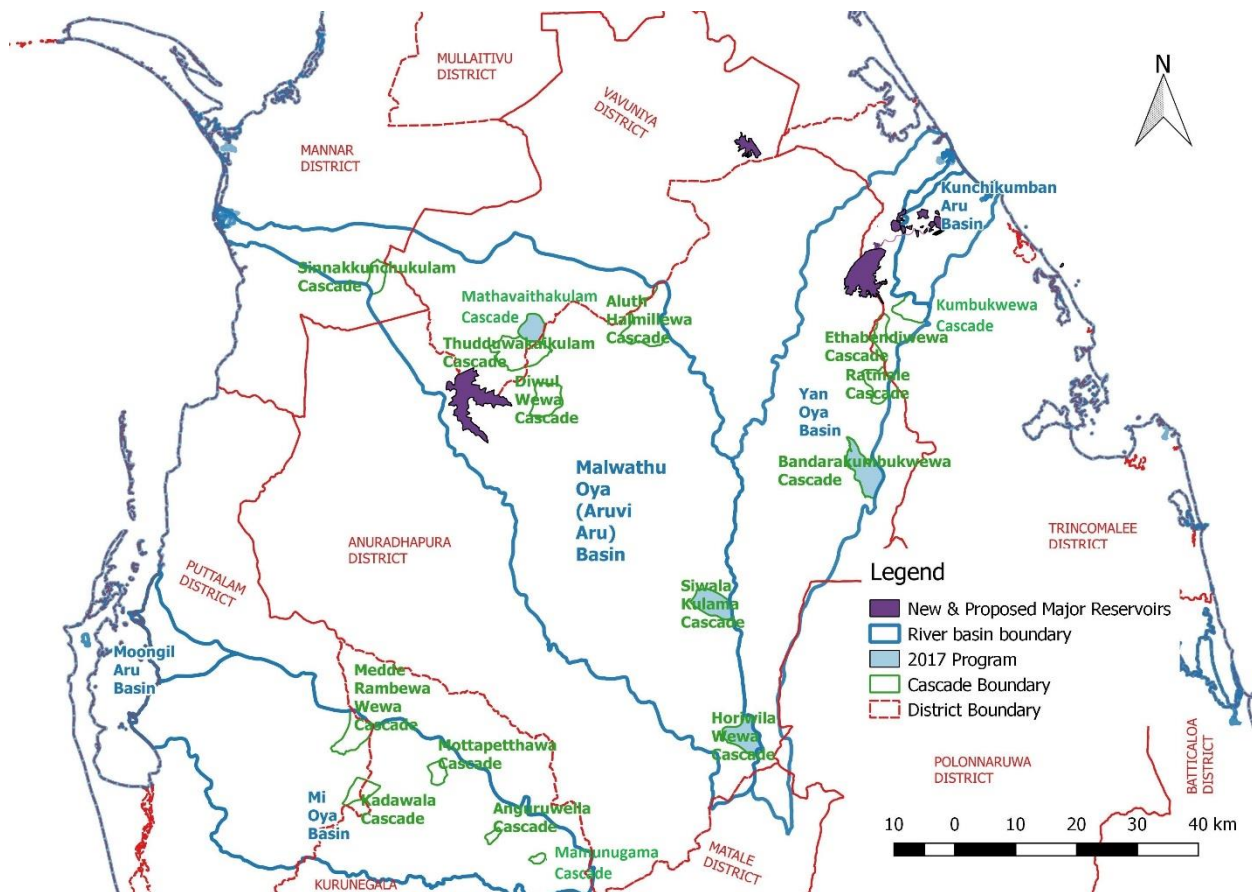


Figure 1. A map showing the selected cascades.

Note: Surveys and designs in 2017 program are complete with area-capacity curves etc. Surveys in Thudduvakaikulam and Medde Rambewa are ongoing.

7. Forty- four (44) Village Irrigation Systems (VIS) in Four (4) cascades are currently being upgraded taking climate risks into account
8. Engineering Designs of Sixty-four (64) VISs in Two (2) cascades in Puttalam and Vavuniya/Anuradhapura being prepared
9. Cascade water resource development and management planning initiated in 8 cascades, including mobilizing of communities to form cascade water management committees
10. National Guideline on Climate Smart Agriculture being drafted

OUTPUT 2

1. The Project has drawn Memorandum Of Understanding (MOU) with National Water Supply and Drainage Board (NWSDB) and Department of National Community Water Supply to implement the identified project activities in the target districts.
2. Under this: The Project will collaborate with the NWSDB and D/NCWS to construct
3. Eleven (11) Rural Water Supply Schemes, install Fifteen (15) Treatment units for existing water supply schemes and install Sixteen (600) Rain water harvesting tanks in Project districts during the year 2018/2019.
4. Location identification for Community Managed Rural Water Supply System (CWSS) Advance filtering systems and Rain Water Harvesting (RWH) tanks being done.
5. Technologies for advance filtering systems identified jointly with Water Supply and Sanitation Improvement Project (WaSSIP)
6. Perception survey completed to identify the perception of the communities on RWH and results presented
7. Water Source Investigations and water quality tests are being done in Puttalam and Vavuniya for CWSS.

OUTPUT 3

1. A MOU was raised between the Project and the Ministry of Disaster Management to carry out the activities identified under the Output 03 of the Project. Under this, the Project will collaborate with the Ministry to build the capacity of the Meteorology Department on seasonal and numerical weather forecasting and engage with the Disaster Management Centre to increase the disaster preparedness of flood affected communities in Project districts.
2. Locations for Agro-met stations, Automated Rain Gauges in Agrarian Service Centers and Irrigation Department offices. Also locations have been identified to install Water Level Sensors and Stream Gauges, Depth Gauges and Manual Rain Gauges
3. A detailed risk assessment has been initiated in Fifteen (15) Grama Niladhari (GN) divisions in Two (2) Divisional Secretary (DS) divisions of Vavuniya district fall within the Malwathu Oya River Basin.