



Catchment Implementations

Sri Lanka Colombo - 2025

VISION

“Water for a Better Tomorrow”



MISSION

“Drive a robust water stewardship agenda through scaled up partnerships and collaboration of stakeholders”



**GOOD WATER
GOVERNANCE**



**SUSTAINABLE
WATER
BALANCE**



**GOOD WATER
QUALITY STATUS**



**IMPORTANT
WATER
RELATED AREAS**



**SAFE WATER,
SANITATION
AND HYGIENE
FOR ALL (WASH)**

Project – Purchasing and Usage of Ultrasound leak Detector



Description- Purchased Ultrasound Leak detector to identify underground leaks

Value – Rs. 1,000,000.00

Completion Date – 2025.5.13

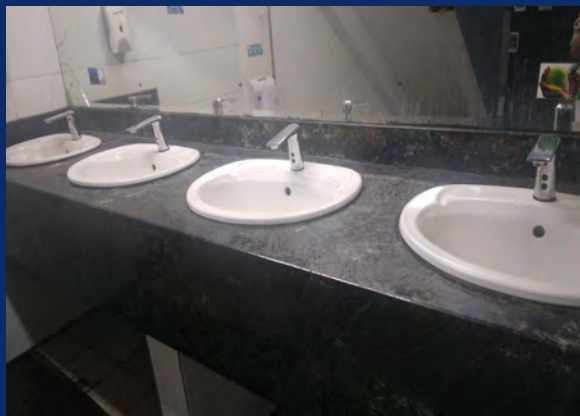
Status - Done

AWS Outcomes



**SUSTAINABLE
Water Balance**

Project – Installing Sensor Taps in Site Washrooms and Hand washing areas



Description- Upgraded Handwashing taps to sensor taps site wise in handwashing and in washrooms

Value – Rs. 1430,000.00

Completion Date – 2025.03.14

Status - Done

AWS Outcomes

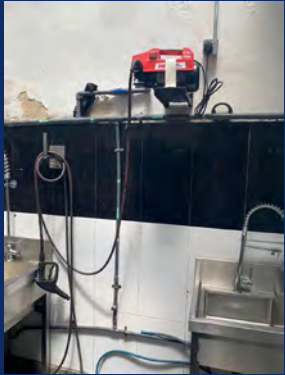


WASH



**SUSTAINABLE
Water
Balance**

Installing Industrial fittings for Kitchen



Description- Upgraded kitchen fittings with water saving industrial fittings

Value – Rs. 670,000.00

Completion date – 2025.4.25

Status - Done

AWS Outcomes



**SUSTAINABLE
Water Balance**

Expanding RO Recycled water for NAB Flushing



Description- Expanded RO Reject Water plumbing system to Use for NAB Building flushing.

Value – Rs. 835,000.00

Completion date- 29.07.2025

Status - Done

AWS Outcomes



**SUSTAINABLE
Water
Balance**

Setting Water Targets to Reduce Kitchen Water Consumption



Description-Setting Kitchen Water targets to reduce kitchen water consumption

Value – Rs. 5400.00

Completion Date – 2025.05.17

Status - Done

AWS Outcomes



**SUSTAINABLE
Water
Balance**

Install / Replace Water meters and Sub Meters



Description-Installed and replaced Plumbing 1", 1.5", 2" water meters and submeters site wise

Value – Rs 1289000.00

Status - Done

AWS Outcomes



**SUSTAINABLE
Water
Balance**

Water Quality Improvement initiatives - Internal




| Spill Kit Items | | | | | | | | | | |
|-----------------|--------------------|--------------------|-------------------|---------------|-----------|--------------------|--------------------|--------------------|-----------|-----------|
| No | Spill Kit Location | Chemical Regulator | Multi Gas Filters | First Aid Kit | Spill Kit | Chemical Spill Kit | Chemical Spill Kit | Chemical Spill Kit | Spill Kit | Spill Kit |
| 1 | Spill Kit Location | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 2 | Spill Kit Location | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 3 | Spill Kit Location | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 4 | Spill Kit Location | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 5 | Spill Kit Location | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 6 | Spill Kit Location | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 7 | Spill Kit Location | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 8 | Spill Kit Location | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 9 | Spill Kit Location | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 10 | Spill Kit Location | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 11 | Spill Kit Location | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 12 | Spill Kit Location | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 13 | Spill Kit Location | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 14 | Spill Kit Location | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 15 | Spill Kit Location | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 16 | Spill Kit Location | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 17 | Spill Kit Location | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 18 | Spill Kit Location | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 19 | Spill Kit Location | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 20 | Spill Kit Location | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 21 | Spill Kit Location | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |



Hazardous Substances Handling training - continued

Every 6 months
Inspection of spill
kits and
Maintenance

Annual testing
of discharge
water both RO
treated and
reject.

Annual input
water testing for
SLS standards

PROJECT

hydRONova



PROJECT OBJECTIVE:

Accelerated achievement of BAT's **Water Recycling & Water Reduction** Targets in Colombo by March 2024 - **Achieved**

Achieved BAT ESG AGENDA

35% Reduction in water withdrawn by 2025
30% Water Recycled by 2025



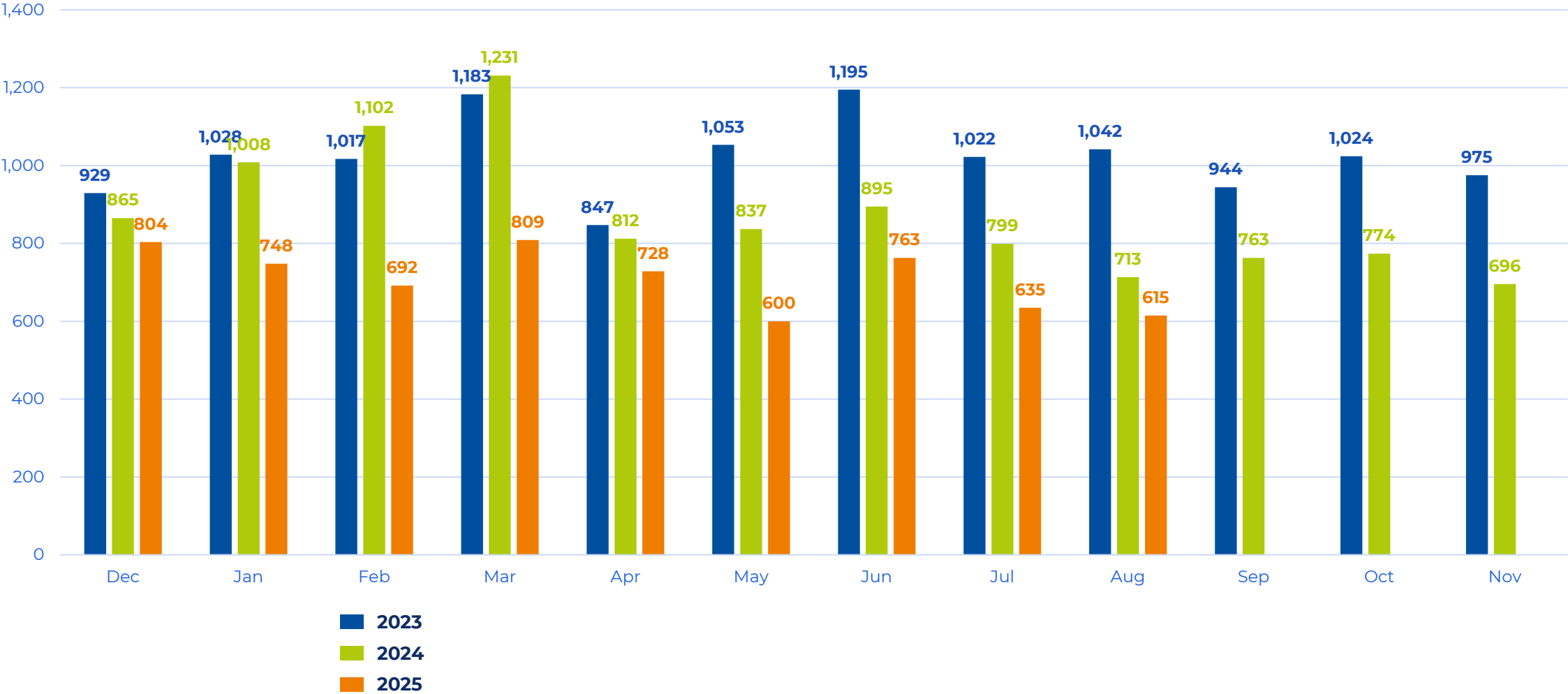
PROJECT DETAILS:

- Installation of a Reverse Osmosis Plant to further purify and recycle ETP treated water into the Chiller Plants which are the highest consumers of water on site
- Introduction of 40,000 liter Rainwater Harvesting tanks to collect, filter and use rainwater – thereby reducing municipal water purchase – **Upgraded up to 80,000L in 2025**
- Addition of solar panels on the RO plant housing to power the plant and ensure net zero emission addition due to the new water pumps / RO electricity consumption
- This was a 2024 ESG CAPEX project
- This will enable Colombo Site to achieve 30% water recycling rate (This is twice what we achieved in 2023)- **Achieved**

Water Withdrawn Comparison – Colombo Factory



Water Withdrawn



Engagements in Catchment

Stakeholder Engagement – Malwana Gramasewaka Division



Engagement with Malwana Gramasewaka division to make them aware about the identified water stewardship challenges and the challenges they are facing and how we can work together.

AWS Outcomes



**GOOD WATER
GOVERNANCE**

Stakeholder Engagement – Biyagama Divisional Secretariat Office



Engagement with Biyagama divisional secretariat office on shared water challenges and future collaborations.

Had a meeting with all the gramasewaka officers of Biyagama division to understand the shared water challenges and possible collaborations.

AWS Outcomes



**GOOD WATER
GOVERNANCE**

Stakeholder Engagement – Biyagama Divisional Secretariat

1. Tree Planting Project in Malwana- **Proceeding**
2. Washroom construction in Malwana community center – **Proceeding**
3. Women sanitation and personal hygiene awareness session in Walgama West– **Proceeding**
4. Distributing 75 waste bins for common locations in Walgama West- **Proceeding**
5. Washroom for personal low-income house – **Not Proceeding. (Communicated to other AWS Stakeholders)**
6. Waste disposal Concrete barrels for a school – **Not Proceeding (Communicated to other AWS Stakeholders)**
7. Providing Wastebins for personal home gardens of “Smart Home Garden” government project- **Not proceeding (Communicated to other AWS Stakeholders)**

AWS Outcomes



GOOD WATER GOVERNANCE

Stakeholder Engagement – Site visit with Community members in Malwana



AWS Outcomes



**GOOD WATER
GOVERNANCE**

To understand shared water challenges in the areas and projects that can be carried out to address them

Stakeholder Engagement – University of Kelaniya Academics



Contacted academics in University of Kelaniya to support research studies conducted in Kelani River and to encourage studies related to water balance in Kelani river catchment.

We highlighted lack of published research studies conducted for Kelani river and unavailability of published data about Kelani river water quality and water balance.

Collaboration projects were discussed.

AWS Outcomes



**GOOD WATER
GOVERNANCE**



**SUSTAINABLE
WATER
BALANCE**

Stakeholder Engagement – Private Organizations



Conducted meetings with private organizations to make them aware of the shared stakeholder challenges and possible efforts that can be taken to address them

AWS Outcomes



**GOOD WATER
GOVERNANCE**

In progress Projects in Catchment

Project – Tree Planting Project in Malwana



Description- Planting of 100 Mee Plants/ Kumbuk Plants along the Kelani riverbank in Malwana to prevent soil erosion of the riverbank and to restore river shore area. The tree planting project that will provide benefits in restoring river shore area and by mitigating soil erosion in Kelani riverbank. Also, it will benefit the community in Malwana area by standing as a barrier against flooding in the area.

Stakeholders – Biyagama Secretariat division

Completion Date – 15/03/2026

Status – **In progress**

AWS Outcomes



**Important
Water Related
Areas**



**GOOD WATER
QUALITY STATUS**

Project – Washroom Construction and Repair in Malwana Community Center



Description- Repairing Existing washroom and building anew washroom in Malwana community center. The center is used for community gatherings and special to conduct monthly sessions / monthly clinics with MOH team to pregnant women in Malwana and Walgama West area. The center currently have only one toilet in usable condition. Only one toilet is in usable condition. Even that washroom contain only a squatting pan making it difficult for pregnant women to use. The project will repair plumbing and upgrade one existing toilet and build a new toilet as well. Around 160 pregnant from low-income families use the facility monthly.

Completion Date – 15/10/2025

Status – **In progress**

AWS Outcomes



**SAFE WATER,
SANITATION
AND HYGIENE
FOR ALL
(WASH)**

Project – Women sanitation and personal hygiene awareness session

Description- An awareness session will be conducted for 50 women from low-income families about Personal Hygiene and sanitary health. A Goodie pack will be given to women with sanitary and hygiene items. A leaflet will be printed and distributed among women about personal hygiene and sanitary health.

Completion Date – 23/9/2025

Status – In progress

AWS Outcomes



**SAFE WATER,
SANITATION
AND HYGIENE
FOR ALL
(WASH)**

Project – Distributing 75 waste bins for common locations

Description- Provision of 75 garbage collection bins to Walgama- West area to be distributed among recognized public locations given by Biyagama Divisional Secretariat and Gramasewaka Officers. *By providing garbage bins, it can prevent garbage getting dumped in roadside and riverbank. Collection of garbage into bins will prevent pollutants entering Kelani River with runoff. Also, it will improve livelihood of Walgama -West area community by providing them with a proper waste disposal system.*

Completion Date – 20/9/2025

Status – In progress

AWS Outcomes



**GOOD WATER
QUALITY STATUS**



**SAFE WATER,
SANITATION
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Project – Reforestation Projects



AWS Outcomes



**GOOD WATER
GOVERNANCE**



**SUSTAINABLE
WATER
BALANCE**

Description- Through the “Udaharitha Project” of CTC, we are contributing to increase native forests and biodiversity value in surrounding areas (Dambulla, Embilipitiya) of the Kelani catchment and in the Kelani Catchment (Matale). The projects aim to increase forest cover of Sri Lanka to 32% from 29% by 2030. Below are the 3 main Afforestation projects conducted by CTC.

| Forest Area | Location | Status | Project |
|-------------|--------------|--------------------------|---|
| 12 Acres | Dambulla | Completed and Continuing | Rehabilitated and maintaining a degraded forest land since 2020 collaborating with Department of Forest Conservation. Over 500 indigenous trees were planted in the reforestation project. |
| 120 Acres | Matale | Completed and Continuing | The project converted a Monoculture Eucalyptus forest to a natural indigenous forest. The area is in the Kelani River catchment and this area also acts as a valuable source of research on Afforestation and biodiversity conservation with over 12 years of data. The forest is maintained in collaboration with University of Peradeniya since 2012. |
| 87 Acres | Embilipitiya | In progress | A reforestation project to rejuvenate a degraded forest in collaboration with Sri Lanka Climate Fund. |

Planned Projects in Catchment

Project – Clearing a Blocked Canal connecting Kelani River in Malwana Area

Description- During the Stakeholder meeting with Malwana community members it was highlighted that one of the main reasons for the flooding in area is a blocked canal in the area. The canal is blocked with excessive weeds and with dumped waste. The Malwana Gramasewaka officer is to provide a request letter through the Biyagama Divisional Secretary to initiate the project.

Status – Not started (Awaiting official request letter)

AWS Outcomes



**GOOD WATER
QUALITY STATUS**



**Important Water
Related Areas**

Project – Recyclable Plastic Collection Container in Public Locations

Description- During the Stakeholder meeting a Gramasewaka Officer requested for Recyclable Plastic collection container to locate in common public places in her area. To initiate the project, we await the Gramasewaka officer to provide a request letter through the Biyagama divisional Secretariat.

Status – Not started (Awaiting official request letter)

AWS Outcomes



**GOOD WATER
QUALITY STATUS**



**SAFE WATER,
SANITATION
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Project – Plastic and Polyethene Cleaning Campaigns

Description- During the Stakeholder meeting it was discussed to conduct plastic and polythene waste collection campaign

Status – Planned. (Awaiting official request letter)

AWS Outcomes



**GOOD WATER
QUALITY STATUS**



**Important Water
Related Areas**