



TENDER NOTICE:

CONSTRUCTION OF GREENHOUSES AROUND THE VOLCANOES NATIONAL PARK

- **Tender reference number:** 001/010/CGH/FY27
- **Procuring Entity:** International Gorilla Conservation Programme (IGCP)
- **Procurement Method:** National competitive bidding

Background

The International Gorilla Conservation Program (IGCP) is a coalition of three leading international conservation organizations (Conservation International, Fauna & Flora and WWF) which was formed with the mission to protect the mountain gorillas and their habitat in the Democratic Republic of Congo, Rwanda, and Uganda. The programme works in close partnership with the Protected Area Authorities of the three countries; Institute Congolais pour la Conservation de la Nature (ICCN) in Democratic Republic of Congo (DRC), Rwanda Development Board (RDB) in Rwanda and Uganda Wildlife Authority (UWA) in Uganda.

International Gorilla Conservation Programme (IGCP) is implementing community projects to strengthen ecosystem-based adaptation and conservation efforts as well as support communities in human-wildlife interface hotspots to mitigate zoonotic disease spillover risk and manage coexistence with great apes and other wildlife. These initiatives support park-edge communities around Volcanoes National Park (VNP) in Rwanda to enhance climate resilience, ecosystem protection and restoration, prevent disease outbreaks, thus contribute to community wellbeing and sustainable mountain gorilla conservation.

In this regard, IGCP intends to establish greenhouses for both demonstration and commercial vegetable production as an income-generating initiative, while promoting Ecosystem-based Adaptation (EbA). Through the use of controlled growing environments, the project aims to enhance the resilience of vulnerable communities and local food systems to climate variability and related environmental challenges. Accordingly, IGCP invites eligible, competent, and reputable national bidders to submit proposals for this tender. This Call for Proposals (CFP) is open, on equal terms, to all qualified companies that meet the specified requirements and are duly registered in Rwanda.

Since the greenhouses will be managed daily by community members around VNP and directly benefit them, the contractor will be required to work with IGCP-partner Community Based Organizations (CBOs) during the establishment process, whenever possible. This approach aims to strengthen local capacity, foster community ownership and ensure long-term project sustainability.

Tender specifications and scope of work

The assignment involves structural design, material supply, site preparation and construction of greenhouse structures in the Sectors from 4 Districts adjacent to VNP: Burera, Musanze, Nyabihu and Rubavu. Greenhouses are intended for demonstration and commercial production purposes under protected agriculture conditions, fully equipped and ready for intensive vegetable production. The contractor shall carry out, but not be limited to, the following activities:

Component 1. Site preparation and earthworks

- Conduct site assessment and verification
- Clear vegetation, debris, and unwanted materials
- Grade and level the site
- Construct access pathways as required
- Establish proper rainwater drainage around the greenhouses

Component 2. Supply of construction materials

- Supply of greenhouse frames, irrigation equipment, water storage facilities, and related materials necessary to ensure the greenhouses are fully operational and compliant with the technical specifications provided in the tender document
- Delivery to designated project sites

Component 3. Construction and installation works

- Mobilize personnel and equipment
- Excavate, construct and complete a continuous elevated stone masonry foundation along the entire perimeter of the greenhouse structure
- Raising the foundation wall to a minimum height of 40 – 60 cm above finished ground level to prevent surface water ingress and improve greenhouse durability
- Assembly and installation of greenhouse infrastructure
- Installation of irrigation and water management systems
- Quality assurance and compliance with safety standards

Greenhouse technical specifications

1. Description

Greenhouse structures at different sites in Nyabihu, Musanze and Burera Districts, each measuring 8 meters x 30 meters (240 m² per unit), fully equipped and ready for crop production, including irrigation and water storage system. The greenhouse size may be adjusted based on the available land area and site configuration.

The greenhouse shall be designed for intensive vegetable production under protected agriculture conditions with all four greenhouses complying with the same technical specifications explained in this document.

2. Dimensions

- Type: Single Bay Greenhouse
- Width: 8 meters
- Length: 30 meters
- Total area: 240 m²
- Gutter height: 2.8 – 3.5 meters

- Minimum center height: 5.5 meters
- Ventilation: Fixed top ventilation
- Side ventilation: Manual roll-up system on both sides

3. Structural Frame requirements

All structural components must be made of high-quality galvanized steel to ensure durability and resistance to corrosion.

3.1 Vertical Posts

- Type: Circular hollow galvanized steel
- Diameter: 48–50 mm
- Thickness: 2 mm
- Quantity: 22

3.2 Arches

- Material: Galvanized circular hollow steel
- Diameter: 38–40 mm
- Thickness: 2 mm
- Quantity: 11 pieces

3.3 Internal & External Support Cables

- Material: Galvanized steel
- Thickness: 3–5 mm
- Total Length: 165 meters
- Use: Internal and external structural reinforcement

4. Greenhouse Covering Materials

4.1 Roof Cover

- Material: UV-treated greenhouse polyethylene film
- Thickness: 200 microns
- Coverage: Approximately 700 m²

4.2 Side Netting

- Material: Insect-proof net
- Mesh Size: 50 mesh
- Shade Effect: 25%
- Coverage Area: Approximately 320 m²
- Must allow airflow while preventing pest entry

5. Water Management System

5.1 Rainwater Harvesting Gutters

The structure must include a system for harvesting rainwater from the greenhouse infrastructure and channeling it to the water storage tanks on site. The rainwater will be the main source of water for the greenhouses, but the system needs to be connected to the public water service.

- Material: PVC
- Diameter: 170–180 mm
- Installed on both sides
- Quantity: 11 pieces

5.2 Water Storage Tank and Stand

- Tank capacity: 5000 Liters
- Tank stand:
 - Height: 2 meters
 - Structure: Steel frame (60x40mm, 40x40mm, 20x20mm sections)
 - Coated against corrosion
- Includes welding works and secure anchoring

6. Irrigation System

The greenhouse must be supplied with a complete drip irrigation kit suitable for 240 m².

Specifications:

- Drip tape thickness: 8 mil or above
- Maximum flow rate: 12 m³/hour
- Maximum working pressure: 8 bar
- Includes:
 - Irrigation filter
 - All required connectors and accessories
 - Valves and pressure control components
 - Full installation and testing

With the system must ensuring uniform water distribution across all planting rows.

7. Crop Support System (Trellising)

- Square galvanized posts: 50mm x 50mm
- Thickness: 2 mm
- Quantity: 40 pieces
- Includes:
 - Aluminum supports
 - One roll of galvanized wire for trellising

Designed to support climbing crops such as tomatoes and cucumbers

8. Ventilation & Access System

8.1 Manual Side Roll-Up System

- Installed on both sides
- Allows temperature control and air circulation

8.2 Entry Porch

- Double door system

- Size: 8000mm x 1800mm
- Lockable door
- Designed to reduce pest entry

9. Table summarized technical specifications

DIMENSIONS: 30M X 8M WITH FIXED TOP VENTILATION 2.8 – 3.5M GUTTER HEIGHT AND 5.5M MIN. CENTER HEIGHT, SINGLE BAY			
S/NO	Complete greenhouse shelters ready to use	Unit	Quantity
1	Galvanized Circular hollow posts of 48- 50 mm diameter with 2mm of thickness	Pc	22
2	Galvanized Circular hollow arches of 38- 40 mm diameter with 2mm of thickness	Pc	11
3	Plastic cover of 200 microns thickness for roof	m ²	700
4	Insect net of 50 mesh for sides with shade effect of 25%	m ²	320
5	PVC gutters for rain water harvesting of 170-180mm diameter for both sides	Pc	11
6	Square posts of 50mm X 50mm for Crop support of 2mm thick quoted with Aluminum and one roll galvanized wire for trellising	Pc	40
7	Manual side roll up system for both sides	Pc	1
8	Entry porch with double door:8000mm*1800mm lockable door	Pc	1
9	Internal and external Galvanized Steel support cables of 3mm-5mm	m	165
10	Drip irrigation Complete Kit of 8 mil (<i>or above</i>) Drip Tape Irrigation Kits to cover 240 m ² inside and accessories including irrigation filter, maximum flow: 12m ³ /h, maximum working pressure of 8bar	Kit	1
11	Tank capacity of 5000L and stands for tank (60mm x 40mm,40mmx40mm and 20mmx20mm with steal coating), height of 2m, including welding works	Kit	1

Sites visit

Sites Visit plan			
Site to be visited	Date	Time	Meeting point

Proposed sites for greenhouses nurseries in Rubavu, Burera, Musanze and Nyabihu Districts. Contractors will cover all their visit-related costs.	8 – 9 October, 2026	9:00 am - 4:00 pm	IGCP Office, Musanze Contact: 0783385473
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REQUIREMENTS:

The bids should be accompanied by the following documents:

1. Certificate of Incorporation or Certificate of Registration.
2. Valid Trading license
3. Tax Clearance Certificate
4. RSSB Clearance Certificate
5. Names of owners / Authorized Company Representative
6. Sole proprietor businesses MUST attach a copy of the national ID and TIN of the proprietor.
7. Three (3) similar work completion certificates or references.

HOW TO BID / TO APPLY

All bids documents, clearly indicating the financial proposal for each component, must be consolidated into a single PDF file and submitted electronically via the email procurement@igcp.org and copy ronck@igcp.org no later than **October 16, 2026, at 11:59 pm – Kigali Time**.

IGCP reserves the right to reject any bid deemed inappropriate.

Done at Kigali on 1st October 2026



Wellard Makambo

Executive Director - IGCP

