# INVITATTION TO TENDER

# TENDER NO. RACIDA/HANAANO-KEN/007/2026

## DEVELOPMENT OF A WATER RETICULATION PIPELINE SYSTEM AND ASSOCIATED CIVIL WORKS FOR A NEW BOREHOLE IN FARJANA, MALKAMARI WARD, BANISA SUB-COUNTY, MANDERA COUNTY

**CLOSING DATE:16th MARCH 2026 AT 1630HRS**

# LETTER OF INVITATION TO TENDER

# TENDER NO. RACIDA/HANAANO-KEN/007/2026

**Introduction**

Rural Agency for Community Development and Assistance (RACIDA) is a premier regional not- for-profit organization. Since its founding in 2001, RACIDA has worked to build the resilience of vulnerable communities living in Arid and Semi-Arid Lands (ASALs) of Kenya, Somalia and Ethiopia

**Invitation to Tender**

RACIDA invites sealed bids for the proposed **DEVELOPMENT OF A WATER RETICULATION PIPELINE SYSTEM AND ASSOCIATED CIVIL WORKS FOR A NEW BOREHOLE IN FARJANA, MALKAMARI WARD, BANISA SUB-COUNTY, MANDERA COUNTY** whose specifications are detailed in the Tender Documents. Interested and eligible bidders may access the document through RACIDA website at https://www.racida.org/calls-for-proposals/" to inspect, review and submit their proposal for free of charge. Completed set of documents sealed in a plain envelope and clearly marked as below should be dropped in the Tender box situated at RACIDA Offices, Kindaruma Road, Off Ngong Road Kilimani, Nairobi, KE or RACIDA Offices, Malka-Suftu Road, Mandera town.

**PROCUREMENT COMMITTEE**
**TENDER NO.** RACIDA/HANAANO-KEN/007/2026
**TENDER NAME**: DEVELOPMENT OF A WATER RETICULATION PIPELINE SYSTEM AND ASSOCIATED CIVIL WORKS FOR A NEW BOREHOLE IN FARJANA, MALKAMARI WARD, BANISA SUB-COUNTY, MANDERA COUNTY ENTITY: RURAL AGENCY FOR COMMUNITY DEVELOPMENT AND ASSISTANCE (RACIDA) – KENYA
**MANDERA OFFICE: MALKA-SUFTU ROAD NEXT TO GRANADA HOTEL**
**or**
**NAIROBI OFFICE: KINDURUMA ROAD, TOP PLAZA GROUND FLOOR UNIT 9-12**

**Closing Date for Submission of ITT**

No late submissions of ITT will be accepted. Bidders are therefore advised to ensure that they have taken all steps to submit their Tenders in advance of the closing date and time, so that it is received not later than **1630hrs on 16th March 2026 (deadline)**

RACIDA may, at its own discretion, extend this closing date for the submission of ITT by notifying all bidders thereof.

***Bid offers submitted via email will not be accepted!***

RACIDA reserves the right to accept or reject any application, tender, or proposal, in whole or in part, and is under no obligation to provide reasons for its decision.

**Instructions to Bidders**

In submitting the tender, the bidder accepts in full and without restriction the special and general conditions governing this contract as the sole basis of this ITT procedure, whatever his own conditions of service/sale may be, which hereby waives.

Bidders are expected to examine carefully and comply with all instructions, forms, provisions, and specifications contained in this ITT document.

1. Failure to submit an offer containing all the required information and documentation within the deadline specified will lead to the rejection of the bid.
2. No account can be taken of any reservation in ITT as regards the document; any reservation will result in the immediate rejection of the ITT without further evaluation.
3. Bidders' quotes should be net inclusive of all taxes, must be in KES, and shall remain valid for at least ninety (90) days from the closing date of the tender.
4. Bids must be accompanied by a bid security in the form and amount specified in the Tender Documents. The bid security must be valid for at least a period of thirty (90) days from the date of the tender closing
5. Bidders must submit a proposed Works Program.
6. Please note that the contract period will be Twelve (12) weeks.
7. Bidders MUST comply with "Instructions to Bidders" in the Tender Documents.
8. Bidders MUST fill in all the forms in this Tender Document.
9. Bidders MUST submit detailed technical specifications as requested in the Tender Document.
10. Completed Tender documents are to be enclosed in plain, sealed envelopes marked with the Tender name and Tender Number, in accordance with the Instructions to Tenders in the tender documents and must be deposited in the tender box at RACIDA office(s) on or before the date specified in the advertisement.

**Call for Tenders Schedule:**

| ACTIVITY | DATE/Details | TIME |
|---|---|---|
| Tender Issue Date | 3rd March, 2026 | N/A |
| Deadline for request for any clarifications from RACIDA procurement | 11th March, 2026 | Before 1630hrs |
| Channel for request for clarification | procurement@racida.org | Email |
| Last date on which clarifications are issued by RACIDA | 13th March, 2026 | By 1630hrs |
| Deadline for submission of tenders (receiving date, not sending date) | 16th March, 2026 | By 1630hrs |
| Tender opening session by RACIDA | TBA | |
| Notification of award to the successful tenderer | TBA | |

**Scope of Works**

This assignment involves the development of a water reticulation pipeline system and associated civil works for a new borehole in Farjana, Malkamari Ward, Banisa Sub-County. The proposed project is a key component designed to enhance water accessibility, reliability and sustainability for the beneficiary communities. Full details are provided in the tender documents and BOQ (listed below")

**Required Bid Components**
Each bid must include:

- A completed Form of Tender.
- A comprehensive Works Program (12-week timeline).
- Filled BOQ
- All required forms as per forms specified.
- Detailed technical proposal as per evaluation criteria.
- Any other specified requirement(s)

**Evaluation Criteria**
There are three levels of evaluation criteria subjected to bids for the Development of a water reticulation pipeline system and associated civil works for a new borehole in Farjana.

1.) Mandatory Requirements – Non-Graded
2.) Technical evaluation – Max Score 80
3.) Financial Evaluation – Max score 20

**MANDATORY REQUIREMENT**
This is a compulsory requirement and if a bidder fails to meet any of the mandatory requirements, it is deemed non-responsive. The following table shows the mandatory requirements

| S/NO | REQUIRED DOCUMENTS | YES | NO |
|---|---|---|---|
| 1 | Copy of Certificate of incorporation | | |
| 2 | Copy of Valid Tax Compliance certificate (will be verified via I Tax) | | |
| 3 | Current and valid Business Permit | | |
| 4 | 2 % Bid Bond | | |
| 5 | NCA 7 – Specific to Water works or Civil Works | | |
| 7 | Proof of Financial Health to Fund the works (Copies of Audited Financial Reports for last two years or stamped latest bank statement or Valid letter of credit from a reputable bank) | | |
| 8 | RACIDA Declaration of compliance | | |
| 9. | Duly Completed Tender Document | | |
| 10 | CR12 & IDs of directors | | |
| 11 | CV's and Certificates of Key Personnel | | |
| 12 | Provision of duplicate copy of submitted tender document | | |
| | **VERDICT (ACCEPT/REJECT)** | | |

**Technical Evaluation**

This is also a must for a firm or company to have and if a company fails to attain 65% of the technical requirements, it will not proceed to financial evaluation.

The following table shows the technical requirements.

| No. | Evaluation Criteria | Max Score |
|---|---|---|
| 1 | **Technical Experience:**<br>• Breadth of Experience: Provide evidence of at least three (3) successfully completed projects involving water works or borehole drilling within the last five (5) years.<br>• Verification of Performance: For each cited project, submit a valid Contract Agreement, Letter of Award, or Certificate of Practical Completion from the client.<br>• Scale and Financial Capacity: Demonstrate a track record of handling project(s) of comparable value and scope to this tender (e.g., projects within +/- 20% of the current estimated budget).<br>• Geographical Expertise (ASAL): Provide evidence of at least two (2) projects executed in Arid and Semi-Arid Lands (ASAL), specifically Mandera or regions with similar terrain and logistical complexity. | 20 |
| 2 | **CVs of Key Personnel:**<br>• Project Manager: BSc Civil/Water Engineering, EBK registered, 8 years' experience managing water supply projects, quality assurance, and stakeholder coordination.<br>• Topographical Surveyor: Diploma/Degree in Land Surveying/Geomatics, 3+ years' experience in topographical and engineering surveys, professional body registered.<br>• Electrical Technician: Diploma/Degree in Electrical Engineering, EPRA registered, 3 years' experience in water system electrical installations and maintenance.<br>• Mason / Construction Technician**:** Diploma in Building/Construction, 3–5 years' experience in tank and civil works construction supervision.<br>• Plumber / Pipefitter: Certificate/Diploma in Plumbing/Mechanical, 3–5 years' experience installing pipelines, valves, and connections for water systems.<br>• Pump / Mechanical Technician: Certificate/Diploma in Mechanical/Water Engineering, 3+ years' experience in pump installation, maintenance, and integration with storage systems. | 15 |
| 3 | **Equipment & Machinery:**<br>The bidder must demonstrate access to the essential plant and equipment required for the execution of the works. Provide certified copies of logbooks for owned equipment or signed, project-specific lease agreements for hired equipment. Equipment must be in good working condition; the procuring entity reserves the right to physically verify the equipment before contract award. Equipment's include but not limited to; heavy plant (e.g., excavator), logistical vehicles, technical tools, etc. | 15 |

| | | |
|---|---|---|
| 4 | Methodology / Work Plan:<br>Provide detailed technical proposal including:<br>• Understanding of the assignment<br>• Work sequencing and timelines<br>• Risk mitigation measures<br>• Environmental & safety protocols<br>• Quality assurance mechanisms<br>• Security & Contingency Plan<br>• Community Liaison Plan | 30 |
| | GRAND TOTAL SCORE | 80 |

***Note:*** *Only bidders who score a minimum of 65 marks proceed to financial evaluation*

**Financial Evaluation**

| No. | Criteria | Score Rate Max | Score |
|---|---|---|---|
| 1 | Financial Evaluation Criteria: (Lowest quoted bidder/Bid quoted amount) *20<br>{(F=LQA/BQA)*20} | 20 | |

# DEVELOPMENT OF A WATER RETICULATION PIPELINE SYSTEM AND ASSOCIATED CIVIL WORKS FOR A NEW BOREHOLE IN FARJANA, MALKAMARI WARD, BANISA SUB-COUNTY, MANDERA COUNTY

## Introduction

Rural Agency for Community Development and Assistance (RACIDA) has been operational in Mandera County for over 19 years, focusing on strengthening the resilience of rural pastoralist communities. This aligns with the organization's core mandate of promoting self-reliance and sustainable livelihoods through improved natural resource management and enhanced socio-economic systems.

With funding support from Irish Aid through Concern Worldwide Kenya, RACIDA is implementing the Hanaano Programme, an integrated cross-border initiative covering Kenya, Ethiopia, and Somalia. The programme is delivered through collaboration between Concern Worldwide country offices and local implementing partners within the three countries.

In Kenya, the programme is being implemented in Mandera County across 12 target communities within three sub-counties. It adopts a multi-sectoral approach encompassing nutrition, WASH (Water, Sanitation and Hygiene), and food security/livelihoods. The primary objective of the Hanaano Programme is to prevent child wasting among vulnerable populations through three key pathways:

- Improving maternal, infant, and young child feeding and care practices;
- Enhancing household food security through climate-resilient and sustainable livelihood strategies; and
- Generating evidence to inform policies and programming on effective community-level interventions for malnutrition prevention.

Within this framework, improving access to safe and reliable water supply is a critical component. The proposed development of a new borehole and associated water reticulation system in Farjana is expected to significantly enhance access to potable water, support hygiene and sanitation practices, and promote household-level food production through initiatives such as kitchen gardening led by community-based support groups. This integrated approach contributes to addressing both the immediate and underlying causes of malnutrition.

Mandera County is predominantly inhabited by ethnic Somali communities, where clan structures play a central role in social organization and resource governance. The local economy is largely dependent on pastoralism, which remains highly vulnerable to climatic shocks, particularly recurrent droughts. Limited infrastructure, water scarcity, and resource-based conflicts further exacerbate vulnerability levels within the county.

In response to these challenges, RACIDA, in partnership with the County Government of Mandera, seeks to improve water access and sanitation services in targeted areas. The specific intervention under this assignment involves the development of a water reticulation pipeline system and associated civil works for a new borehole in Farjana, Malkamari Ward, Banisa Sub-County.

**Background**

Mandera County is situated in the northeastern region of Kenya and is classified among the country's arid and semi-arid lands (ASALs). According to the 2019 national census, the county has an estimated population of 1,200,890 people and spans an area of approximately 25,797 square kilometres. It shares international borders with Ethiopia to the north and Somalia to the east, making it a strategically significant region with active cross-border socio-economic interactions.

Administratively, the county is divided into six sub-counties: Mandera West, Mandera East, Mandera North, Banisa, Lafey, and Kutulo, with Mandera Town serving as the county headquarters.

The region experiences a predominantly hot and arid climate, with temperatures frequently exceeding 30°C and annual rainfall ranging between 255 mm and 270 mm. Rainfall is bimodal and typically occurs during the short rainy seasons of April–May and October–November. The erratic and limited nature of rainfall contributes to chronic water scarcity, significantly affecting domestic water supply, livestock production, and small-scale agriculture.

Pastoralism remains the primary livelihood activity, supported by livestock rearing adapted to the harsh climatic conditions. However, recurrent droughts, inadequate water infrastructure, and competition over limited natural resources have led to persistent food insecurity and heightened vulnerability among communities.

The county continues to face multiple development challenges, including inadequate access to safe water, sanitation facilities, healthcare services, and education. Additionally, insecurity linked to cross-border dynamics and inter-clan conflicts poses ongoing risks to development efforts.

Despite these constraints, Mandera County presents significant opportunities for sustainable development through strategic investments in water resource management, renewable energy solutions, and climate-resilient infrastructure. Strengthening WASH services remains a priority intervention area, given its direct impact on public health, nutrition outcomes, and overall community resilience.

In this context, RACIDA, in collaboration with the County Government of Mandera, is undertaking targeted interventions aimed at improving water supply systems. The proposed project in Farjana is a key component of these efforts, designed to enhance water accessibility, reliability and sustainability for the beneficiary communities.

**PRICE SCHEDULE**

The rates and prices inserted in the Bills of Quantities/Price Schedule are to be the full inclusive costs of the works, described under the items, complete in place and in accordance with the specifications, including costs, expenses, and taxes which may be required in and for the construction of the works described, together with any temporary works and installations which may be necessary and all general risks, liabilities and obligations set forth or implied in the document.

## Development of a Water Reticulation Pipeline System and Associated Civil Works for a New Borehole in Farjana, Malkamari Ward, Banisa Sub-County in Mandera County

| | | | | | |
|---|---|---|---|---|---|
| | **FARJAN WATER SUPPLY PROJECT** | | | | |
| | **HANAANO PROGRAMME** | | | | |
| | - | - | - | - | - |
| | | | | | |
| | - | - | - | - | - |
| | **TENDER No. RACIDA/HANAANO-KEN/007/2026** | | | | |
| | - | - | - | - | - |
| | **BILL No. 1** | | | | |
| | - | - | - | - | - |
| | **PRELIMINARIES AND GENERAL** | | | | |
| | - | - | - | - | - |
| **ITEM** | **DESCRIPTION** | **UNIT** | **QUANTITY** | **RATE** | **AMOUNT** |
| **No.** | | | | **Kshs** | **Kshs** |
| | | | | | |
| 1.1 | Provision for mobilization and site establishment for civil and electromechanical works at the newly developed, unequipped Farjana Borehole. | Item | L/S | | |
| | | | | | |
| 1.2 | Allow for provision of Insurance of Works and Contractor's Equipment in accordance with the General Conditions, Bidding Document | Item | L/S | | |
| | | | | | |
| 1.3 | Allow for provision of WIBA Insurance against Accident to Workmen in accordance with the General Conditions, Bidding Document | Item | L/S | | |
| | | | | | |

| | | | | | |
|---|---|---|---|---|---|
| 1.4 | Allow for training of the water Management committee and operators during Construction, Testing and Commissioning of the Works | Item | L/S | | |
| | | | | | |
| 1.5 | Allow for provision, erection and maintenance of Project Sign Boards at the sites indicated by RACIDAs Engineer, within the Project Area and in accordance with the Conditions of Contract. The rate quoted by the Contractor to include for payment of all statutory charges to the relevant Authority and removal after completion of the Project. Details of the sign Board are shown on the Drawings provided | Nr | 1 | | |
| | | | | | |
| **Sub-Total** | | | | | |

| | | | | | |
|---|---|---|---|---|---|
| **FARJAN WATER SUPPLY PROJECT** | | | | | |
| | | | | | |
| | **HANAANO PROGRAMME** | | | | |
| | - | - | - | - | - |
| | | | | | |
| | **TENDER No. RACIDA/HANAANO-KEN/007/2026** | | | | |
| | - | - | - | - | - |
| | **BILL No. 2** | | | | |
| | - | - | - | - | - |
| | **Borehole Site Protection Works.** | | | | |
| | - | - | - | - | - |
| **ITEM** | **DESCRIPTION** | **UNIT** | **QUANTITY** | **RATE** | **AMOUNT** |
| **No.** | | | | **Kshs** | **Kshs** |

| | | | | | |
|---|---|---|---|---|---|
| | The proposed borehole protection fencing is intended to secure the facility against unauthorized access, livestock intrusion, and potential contamination, while providing a safe and controlled area for operation and maintenance activities. The perimeter fence extends 140 m around the site, with fencing posts spaced at approximately 2.5 m center-to-center in accordance with the BoQ provisions, ensuring adequate protection and long-term sustainability of the water supply infrastructure. | | | | |
| | | | | | |
| **2.7** | **Fencing and Gate** | | | | |
| | - | | | | |
| 2.7.1 | Provide and Install 2.7m high, 140 by 140mm Square precast concrete intermediate cranked top fencing post suitable for 3 rows of barbed wire @ 150mm C/C over cranked section and 6 line plain wire over straight section @ 300mm C/C as shown in the Drawings | Nr | 57 | | |
| | | | | | |
| 2.7.2 | Provide and Install 2.7m, 140 by 140mm Square precast concrete corner fencing post suitable for 4 line wires @ 500mm C/C as shown in the Drawings | Nr | 8 | | |
| 2.7.3 | Provide and Install 2.7m, 150 by 150mm Square precast concrete corner and intermediate post strainers as shown in the drawings. Intermediate strainers at every 10th post interval | Nr | 14 | | |
| | | | | | |
| 2.7.3.1 | Provide mass concrete haunching, 300 mm (1 ft) deep, along the entire perimeter fence line, and securely anchor and integrate the chain-link fencing into the concrete to ensure stability and durability. | Nr | L/S | | |
| | | | | | |
| 2.7.4 | Provide and Install 2.4m high, gauge 14 chain-link fencing to KEBS standard KS 261:2007,with 80 x 80mm aperture stayed using 6 strands of galvanised plain wire | m | 140 | | |

| | | | | | |
|---|---|---|---|---|---|
| | 2.5mm diameter to KS-261-2007 (Kenya Standards). Cost includes all straining and fixing components | | | | |
| | | | | | |
| 2.7.5 | Provide and Install 3 strand barbed wire, gauge 16 to KS-261-2007 (Kenya Standards) fencing over cranked fence section. Cost to include all straining and fixing components | m | 420 | | |
| | | | | | |
| 2.7.5.1 | Provide and install curled barbed (730mm) wire fencing along the top of the perimeter fence and gate sections, including all necessary straining wires, tensioners, brackets, posts fixings, and complete accessories for proper fixing and alignment. | m | 160 | | |
| | | | | | |
| 2.7.5 | Provide and Install 5.0m wide by 2m high double leaf metal gate with 1m wide pedestrian access fixed on columns to detail as shown on the drawings including all fixing, bolting and locking fixtures | Nr | 1 | | |
| | | | | | |
| **2.8** | **Security Lighting** | | | | |
| | Supply, install, test and commission high-efficiency solar powered security lighting units complete with integrated LED luminaires, motion sensors, charge controllers, lithium battery storage, mounting poles and brackets, designed to provide reliable perimeter illumination for the solar array compound and generator house within the borehole fenced area, including all accessories and cabling, complete to the satisfaction of the Engineer. | Nr | 2 | | |
| | | | | | |
| **Sub-Total** | | | | | |

| | | | | | |
|---|---|---|---|---|---|
| | - | - | - | - | - |
| | **CONSTRUCTION OF 2 NO. OF ELEVATED STEEL TANK (CAPACITY 30m³)** | | | | |
| | - | - | - | - | - |
| **ITEM** | **DESCRIPTION** | **UNIT** | **QUANTITY** | **RATE** | **AMOUNT** |
| **No.** | | | | **Kshs** | **Kshs** |
| | | | | | |
| | | | | | |
| | Farjana Sub-location, one of the Community Units under the Hanaano Programme, is currently constrained by inadequate water storage capacity, limiting optimal utilization of the proposed water supply, particularly within key social amenities at the community centre. The installation of elevated pressed steel tanks will significantly enhance water storage and distribution, ensuring reliable supply to critical facilities, including the school and the mosque, where the tanks will be strategically erected. | | | | |
| | | | | | |
| 1.1 | Supply and Transport to Site Pressed Steel Galvanised Steel Tank with Cover, minimum Net Storage Capacity 30m³ in accordance with Approved Specifications on and including 15m high galvanised steel U.B and U.C. section tower, including provision of Connections, Vents Base, Plates, Ladder and Platform on all 4 sides, etc. Note: Contractor to submit to the Engineer for approval, detailed design calculations, Geotechnical investigation inclusive of Soil test report and workshop drawings of all steel work from an approved and reputable Structural Steel Fabricator prior to fabrication and delivery of tank and tower. | Item | L.S | | |
| | - | | | | |

| | | | | | |
|---|---|---|---|---|---|
| 1.2 | Allow for the erection of Tank and Tower and all Assembling, Casting of foundation, Water Proofing, Welding, Drilling Holes, Cleats Bolts and Nuts, Cutting , Fixing Clamps, Ladder, Platform, Paint and all other associated works, all in accordance with Specifications. Contractors rate to include construction of appropriate pad footing foundations for the tank. | Item | L.S | | |
| | | | | | |
| 1.3 | Allow for testing, cleansing and sterilising of the Tank and Pipework as specified. | Item | L.S | | |
| | | | | | |
| **2** | **PIPES & FITTINGS** | | | | |
| | Supply, Transport to Site, Store in Secure Place, Transport From Site Store, Install, Test and Commission. Including Jointing Material, Bolts, Gaskets, Packing, Jointing Glue, etc. As applicable | | | | |
| | **Inlet Pipework - Approved GI Pipe Fittings** | | | | |
| | | | | | |
| 2.1 | 90mm dia. GI Elbow | Nr | 2 | | |
| | | | | | |
| 2.2 | 90mm dia. GI "Class C" pipe, 6000mm long | Nr | 4 | | |
| | | | | | |
| 2.3 | 90mm dia. GI Union | Nr | 2 | | |
| | | | | | |
| 2.4 | 90mm dia. GI Socket | Nr | 5 | | |
| | _ | | | | |
| 2.5 | 110x90mm dia. GI Reducing Socket | Nr | 1 | | |
| | _ | | | | |
| 2.6 | 110mm dia. VJ Coupling | Nr | 1 | | |
| | _ | | | | |
| | **Outlet Pipework - Approved GI Pipe Fittings** | | | | |
| | _ | | | | |
| 2.5 | 110mm dia. Flanged Bellmouth | Nr | 1 | | |
| | _ | | | | |

| | | | | | |
|---|---|---|---|---|---|
| 2.6 | 110mm dia. GI threaded flange | Nr | 1 | | |
| | _ | | | | |
| 2.7 | 110mm dia. GI "Class C" pipe, 6000mm long | Nr | 4 | | |
| | _ | | | | |
| 2.8 | 110mm dia. GI Socket | Nr | 5 | | |
| | _ | | | | |
| 2.9 | 110mm dia. GI Union | Nr | 2 | | |
| | _ | | | | |
| 2.1 | 110mm dia. Gate Valve | Nr | 1 | | |
| | _ | | | | |
| | **Overflow and Scour Pipeworks - Approved GI Pipe Fittings** | | | | |
| | | | | | |
| 2.11 | 110mm dia. Flanged Bellmouth (welded to the base of the tank with water tight joint) | Nr | 2 | | |
| | _ | | | | |
| 2.12 | 110mm dia. GI threaded flange | Nr | 4 | | |
| | | | | | |
| 2.13 | 110mm dia. GI "Class C" pipe, 6000mm long | Nr | 4 | | |
| | | | | | |
| 2.14 | 110mm dia. GI Socket | Nr | 8 | | |
| | | | | | |
| 2.15 | 110mm dia. GI Union | Nr | 6 | | |
| | | | | | |
| 2.16 | 110mm dia. Gate Valve | Nr | 1 | | |
| | | | | | |
| 2.17 | 110mm dia. Flanged spigot pipe, length 500mm with puddle flange 100mm from the spigot end (Puddle flange welded to tank panel) | Nr | 1 | | |
| | | | | | |
| 2.18 | 110mm dia. GI Bend | Nr | 4 | | |
| | | | | | |
| **3** | **CHAMBERS** | | | | |
| | | | | | |

| | | | | | |
|---|---|---|---|---|---|
| | Note: Items for work in this shall include:-<br>- Excavation, preparation of surfaces, disposal of excavated material, shoring sides of excavation, backfilling and removal of redundant services.<br>- Concrete, Reinforcement, Formwork, Joints, Finishes, Benching, etc.<br>- Tips for disposal of excavated material or debris to be identified by the Contractor in liaison with the Local Authority. | | | | |
| | | | | | |
| | **Masonry Walling Chamber** | | | | |
| | | | | | |
| 3.1 | Provide all materials and construct Valve Outlet Chambers Internal Dimensions 1200mm x 1200mm depth not exceeding 1.5m. Include for supply and fixing of lockable mild steel checkered plate cover & step irons as directed by the Engineer | Nr | 1 | | |
| | | | | | |
| 3.2 | -Ditto- but scour and overflow chamber internal dimension 1600 x 1200mm, depth n.e 1.50m | Nr | 1 | | |
| | | | | | |
| **4** | **Chlorine Dozing System** | | | | |
| 4.1 | Supply and install an in-line water disinfection unit on the inlet pipeline to the elevated storage tank, including provision of four (4) standby disinfection units as backup for community use. The scope shall include all necessary maintenance accessories, fittings, and appurtenances required for complete installation, operation, and maintenance of the system. | Item | L/S | | |
| | | | | | |
| 4.1 | Supply a high-precision water testing kits, specifically the Hach DR300 Pocket Colorimeter for low and high-range Free and Total Chlorine analysis or an approved equivalent. To ensure dependable results in field conditions, each waterproof and portable unit must feature an intuitive interface with a large backlit display and be supplied as a complete kit including a protective carry case. | Item | L/S | | |

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|---|---|---|---|---|---|
| | | | | | |
| **Sub-Total** | | | | | |
| | **Sub-Total for 2No. EST** | | | | |

| | | | | | |
|---|---|---|---|---|---|
| **FARJAN WATER SUPPLY PROJECT** | | | | | |
| | | | | | |
| | **HANAANO PROGRAMME** | | | | |
| | - | - | - | - | - |
| | **TENDER No. RACIDA/HANAANO-KEN/007/2026** | | | | |
| | - | - | - | - | - |
| | **BILL No. 4** | | | | |
| | - | - | - | - | - |
| | **WATER PIPELINES** | | | | |
| | - | - | - | - | - |
| **ITEM** | **DESCRIPTION** | **UNIT** | **QUANTITY** | **RATE** | **AMOUNT** |
| **No.** | | | | **Kshs** | **Kshs** |
| | **CLASS A: GENERAL ITEM** | | | | |
| | The Farjana Sub-Location community is expected to fully utilize the proposed water supply within key social amenities at the Community Centre. The water pipeline is therefore designed not only to serve the 2 No. Elevated Pressed Steel Tank, 2 No. Cattle Troughs, public water kiosks but also to adequately supply the local school, ensuring reliable access for both learners and teachers. The design further considers integration with the school's existing storage infrastructure (1 No. underground storage tanks) to enhance water availability and service efficiency. The Contractor shall undertake a detailed topographical survey and submit the survey outputs to the Site Engineer for review and approval prior to commencement of the water transmission pipeline installation and associated works. | | | | |
| | | | | | |
| | **Testing of Works** | | | | |

| | | | | | |
|---|---|---|---|---|---|
| A251 | Pressure testing and commissioning for the pipeline, including all necessary equipment, materials and labour for the works e.g. delivery of water for testing, fittings, disposal of used water. Pressure gauge to be calibrated by an accredited body | m | 3,200 | | |
| | | | | | |
| A252 | Disinfection of Pipelines: flushing with clear water, filling with water containing 0.05 g/l calcium hypochlorite for 24 hours. This includes supply of all necessary equipment, materials, chemicals and water, measurement of residual chlorine, all as specified. | m | 3,200 | | |
| | | | | | |
| | **CLASS D: DEMOLITION OF SITE** | | | | |
| D1 | General clearance (1.5m wide corridor) | ha | 0.49 | | |
| | | | | | |
| | **Stumps (Provisional Item)** | | | | |
| | **Cut down trees, grub up roots and cart away to tips, Girth shall be measured 1.0 m above the ground level** | - | - | | |
| D2 | Girth: 0.5m - 1.0m | Nr | 8 | | |
| | | | | | |
| | **CLASS I: PIPE WORK - PIPES** | | | | |
| I7 | **Provide (incl purchase, storage and transportation), lay and joint pipes in trench, include for excavation in normal material, preparation of surfaces, disposal of excavated material, dewatering, shoring sides of excavation and backfilling with suitable selected excavated material** | - | - | | |

| | | | | | |
|---|---|---|---|---|---|
| | **Rising Main from Borehole to EST.** | - | - | | |

| | | | | | |
|---|---|---|---|---|---|
| I7.1 | PN16 OD 63mm in trench, depth not exceeding 1.5 m | m | 650 | | |
| | | | | | |
| I7.2 | PN12 OD 63mm in trench, depth not exceeding 1.5 m | m | 1,150 | | |
| | - | - | - | | |
| I7.3 | Class B (Medium) Galvanized Iron (G.I.) pipes of 2" internal diameter in trench, depth not exceeding 1.5 m | m | 200 | | |
| | - | - | - | | |
| | **Distribution Pipeline** | | | | |
| | - | | | | |
| I7.4 | PN12 OD 63mm in trench, depth not exceeding 1.5 m | m | 700 | | |
| | | | | | |
| I7.5 | PN10 OD 63mm in trench, depth not exceeding 1.5 m | m | 100 | | |
| | - | - | - | | |
| | **CLASS J: PIPEWORK - FITTINGS AND VALVES** | | | | |
| | - | | | | |
| | **Supply, Transport to site, store in secure place, lay and joint pipes in trench by butt fusion as applicable. Include supply of jointing materials, bolts, nuts, gaskets etc as applicable** | - | - | | |
| | **HDPE Tees with compression Fittings** | - | - | | |
| J621.1 | Equal Tee on OD 63mm Line | Nr | 8 | | |
| | | | | | |
| | **Supply, handle, deliver to site, fix in place and test inclusive of all fittings as in the Standard drawings (rate to exclude construction of chambers). Valves to BS 5163 and EN 1074 Standards** | | | | |
| | **Anti shock , Anti surge G.I Air Valve with isolating valve and requisite fittings i.e. pipe pieces, reducers etc.** | - | - | | |

| | | | | | |
|---|---|---|---|---|---|
| J861.1 | DN 63 Single orifice on OD 63 mm pipeline (Complete Assembly) | Nr | 3 | | |
| J861.2 | DN 63 Air Valve Assembly on OD 63 mm pipeline (Complete Assembly) | Nr | 4 | | |
| | | | | | |
| | **G.I Sluice valves with PE flange adaptors with stub end** | - | - | | |
| J861.4 | DN 63 mm | Nr | 3 | | |
| | | | | | |
| J861.5 | DN 63 mm | Nr | 2 | | |
| | | | | | |
| | **CLASS K: CHAMBERS** | | | | |
| | **Chambers, ducts, culverts, crossings, thrust and anchor blocks, reinstatement and others as listed and specified in drawings.** | | | | |
| | **Note:- Items for work in this class shall include:- - Excavation, preparation of surfaces, disposal of excavated material, shoring sides of excavation, backfilling and removal of redundant services. - Concrete, reinforcement, formwork, joints and finishes. - Tips for disposal of excavated material or debris to be identified by the Contractor in liaison with the Local Authority. - Approved padlcoks for all chamber covers** | | | | |
| | In Situ Chambers<br>Provide all materials and construct CONTROL VALVE chambers internal dimensions 1200mm x 1200mmX1500mm depth. Include for supply and fixing of 600mm x 600mm lockable cover and step irons, as detailed in drawing | | | | |
| K211.1 | Depth: not exceeding 1.5 m | Nr | 3 | | |
| | | | | | |

| | | | | | |
|---|---|---|---|---|---|
| | Provide all materials and construct AIR VALVE chambers internal dimensions 1000mm x 1000mm. Include for supply and fixing of 600mm x 600mm lockable concrete cover and step irons, as detailed in drawing | | | | |
| | | | | | |
| K211.2 | Depth: not exceeding 1.5 m | Nr | 4 | | |
| | | | | | |
| | **ROAD CROSSINGS** | | | | |
| | **Extra-overs for normal pipe laying for road crossing works: to include breaking up and permanent reinstatement of murrams roads and provision and laying of GI sleves (n.e 150mm) for road crossings as directed by the Engineer** | | | | |
| K711 | Diameter not exceeding 75mm | m | 5 | | |
| | | | | | |
| | **MARKER POSTS** | | | | |
| | **Provide RC standard marker posts for:** | | | | |
| K82.1 | Air Valves inscribe AV | Nr | 4 | | |
| | | | | | |
| K82.2 | Sluice Valves, inscribe SV | Nr | 4 | | |
| | | | | | |
| | **CLASS L:- PIPEWORK - SUPPORTS AND PROTECTION, ANCILLARIES TO LAYING AND EXCAVATION** | | | | |
| | **Extras to Excavation and Backfilling (Provisional)** | | | | |
| | | | | | |
| L11 | Excavation in pipeline trench for rock | $m^3$ | 57 | | |
| | | | | | |
| | **Imported Selected Fill (Provisional)** | | | | |
| | **Provide, transport to site and place imported granular material and compact in bed (100 mm thick) and surround to pipes (200 mm thick) as directed/approved by Engineer** | | | | |
| L511 | Surround To pipes nominal bore: 50-75 mm | $m^3$ | 57 | | |
| | | | | | |

| | | | | | |
|---|---|---|---|---|---|
| M3 | **Miscellaneous civil works** | | | | |
| M3.1 | Construction of insitu Reinforced concrete anchor blocks to secure vertical G.I. supports against displacement in active surface water runoff zones (Laggas). The scope encompasses the supply of all associated anchorage hardware (including fittings for connection to supports) and the execution of all necessary civil works. | Nr | 10 | | |
| **Sub-Total** | | | | | |

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|---|---|---|---|---|---|
| | **FARJAN WATER SUPPLY PROJECT** | | | | |
| | | | | | |
| | **HANAANO PROGRAMME** | | | | |
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| | **TENDER No. RACIDA/HANAANO-KEN/007/2026** | | | | |
| | - | - | - | - | - |
| | **BILL No. 5** | | | | |
| | - | - | - | - | - |
| | **CONSTRUCTION OF 2 No. CATTLE WATERING TROUGHS** | | | | |
| | - | - | - | - | - |
| **ITEM** | **DESCRIPTION** | **UNIT** | **QUANTITY** | **RATE** | **AMOUNT** |
| **No.** | | | | **Kshs** | **Kshs** |
| **1** | **Excavations** | | | | |
| 1.1 | Excavation including maintain and supporting sides and keeping free from water, mud and fallen materials by bailing , pumping or otherwise | 12 | m | | |
| | | | | | |
| 1.2 | Excavate bulk for pit 0.00-1.5 metres | 21.7 | $m^3$ | | |
| 1.3 | Remove surplus excavated material from site | 21.7 | $m^3$ | | |
| | | | | | |
| **2** | **Hardcore filling** | | | | |
| 2.1 | Supply, fill and ram 300mm thick approved Hardcore | 20 | ton | | |

| | | | | | |
|---|---|---|---|---|---|
| 2.2 | Supply, place, fill, and compact approved hardcore around the completed cattle troughs to a minimum width of 2 m from the trough perimeter. The hardcore layer shall have a minimum thickness of 300 mm, with a total filling depth not less than 0.5 m, and shall be properly rammed and compacted to the Engineer's approval. | 50 | ton | | |
| | | | | | |
| **3** | **Concrete work** | | | | |
| | **Concrete in foundations** | | | | |
| 3.1 | Mass concrete strip foundations | 0.8 | $m^3$ | | |
| 3.2 | 10mm diameter reinforcement bars 150mm c/c | 30 | Kg | | |
| 3.3 | 100mm thick reinforced concrete slab | 1.3 | $m^3$ | | |
| 3.4 | Timber shattering provided to sides of floor slab | 30 | m | | |
| 3.5 | Weld mesh Reinforcement A142 | 12.1 | $m^2$ | | |
| | | | | | |
| | **(II) SUPERSTRUCTURES** | | | | |
| 4 | **Walling** | | | | |
| 4.1 | 225 mm Thick (building stones /rubble/interlocking soil blocks) walling in cement and sand mortar (1:3) | 13.2 | $m^2$ | | |
| | | | | | |
| **5** | **Finishes** | | | | |
| | **Wall finishes** | | | | |
| | **Cement and sand (1:3) render as described in:** | | | | |
| 5.1 | 13mm Thick with finish to masonry walling | 26.4 | $m^2$ | | |
| 5.2 | 25mm thick floor finish | 11 | $m^2$ | | |
| | **Prepare and apply three coats plastic emulsion paint to:** | | | | |
| 5.3 | Rendered wall surfaces | 13.2 | $m^2$ | | |
| | | | | | |
| **6** | **Pipes and Fittings** | | | | |
| | **50mm diameter pipes and fittings** | | | | |
| 6.1 | PPR class PN 10 pipe and all fittings | 50 | m | | |
| 6.2 | GI Barrel Nipples | 6 | No | | |
| 6.3 | PPR Sockets | 4 | No | | |

| | | | | | |
|---|---|---|---|---|---|
| 6.4 | PPR Unions | 3 | No | | |
| 6.5 | GI Gate Valves | 2 | No | | |
| 6.6 | Ball valve | 1 | No | | |
| 6.7 | G.I Elbows | 4 | No | | |
| **Sub-Total** | | | | | |
| **Sub-Total for 2 No. Cattle Troughs** | | | | | |

| | | | | | |
|---|---|---|---|---|---|
| | **FARJANA WATER SUPPLY PROJECT** | | | | |
| | - | - | - | - | - |
| | **HANAANO PROGRAMME** | | | | |
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| | **TENDER No. RACIDA/HANAANO-KEN/007/2026** | | | | |
| | - | - | - | - | - |
| | **BILL No. 6** | | | | |
| | - | - | - | - | - |
| | **CONSTRUCTION OF 2 NO. WATER KIOSKS** | | | | |
| | - | - | - | - | - |
| **ITEM** | **DESCRIPTION** | **UNIT** | **QUANTITY** | **RATE** | **AMOUNT** |
| **No.** | | | | **Kshs** | **Kshs** |
| | | | | | |
| | **CLASS E: EARTHWORKS** | | | | |
| | | | | | |
| | **Excavation for foundations** | | | | |
| | To include for all trimming to levels, backfilling with approved selected spoil, compacting, disposal of surplus material and reinstatement. | | | | |
| | | | | | |
| 1.1 | General excavation for floor area depth not exceeding 250mm deep | $m^3$ | 2 | | |
| | | | | | |
| 1.2 | Excavation for wall footing depth not exceeding 1200mm deep | $m^3$ | 9 | | |
| | | | | | |

| | | | | | |
|---|---|---|---|---|---|
| 1.3 | Excavation for front area depth not exceeding 250mm | $m^3$ | 2 | | |
| | | | | | |
| | **Filling** | | | | |
| 1.4 | Approved Hardcore backfill minimum depth 250mm compacted in 150mm layers to floor slab and front area | $m^3$ | 4 | | |
| | | | | | |
| 1.5 | Approved Murrum blinding to floor slab | m3 | 1 | | |
| | | | | | |
| | **CLASS G: CONCRETE ANCILLIARIES** | | | | |
| | | | | | |
| | Provide and place the following concrete including all form work. | | | | |
| | | | | | |
| 1.6 | Concrete grade 15/20 - 400 mm thick Plinth | $m^3$ | 0 | | |
| | | | | | |
| 1.7 | Concrete grade 15/20 - 100mm thick slanting front area | $m^3$ | 1 | | |
| | | | | | |
| 1.8 | Reinforced concrete grade 25/20 - 125mm thick floor slab | $m^3$ | 1 | | |
| | | | | | |
| 1.9 | Reinforced concrete grade 25/20 - 150mm thick roof slab | $m^3$ | 1 | | |
| | | | | | |
| 1.10 | Reinforced concrete grade 25/20 - in ring beams | $m^3$ | 1 | | |
| | | | | | |

| | | | | | |
|---|---|---|---|---|---|
| 1.11 | Reinforced concrete grade 25/20 - 200mm thick lintel | $m^3$ | 0 | | |
| | | | | | |
| 1.12 | Reinforced concrete grade 25/20 - 450 X 250mm footing | $m^3$ | 1 | | |
| | | | | | |
| 1.13 | Reinforced concrete grade 25/20 - 1000 X 1000 X 350mm column bases | $m^3$ | 2 | | |
| | | | | | |
| 1.14 | Reinforced concrete grade 25/20 - 200 X 200mm columns | $m^3$ | 1 | | |
| | | | | | |
| | **REINFORCEMENT** | | | | |
| | | | | | |
| | Provide support and fix the following reinforcement, including all cutting, bending and supports. | | | | |
| 1.15 | 10mm dia. high yield Steel bars to foundation footing (density 0.62kg/m) | Kg | 40 | | |
| | | | | | |
| 1.16 | 8mm dia. mild steel bars to foundation footing (density 0.40kg/m) | Kg | 30 | | |
| | | | | | |
| 1.17 | 16mm dia. high yield bars to ring beam (density 1.56kg/m) | Kg | 75 | | |
| | | | | | |
| 1.18 | 8mm dia. mild steel bars to ring beam (density 0.40kg/m) | Kg | 25 | | |
| | | | | | |

| | | | | | |
|---|---|---|---|---|---|
| 1.19 | 10mm dia. mild steel bars to roof slab (density 0.62kg/m) | Kg | 70 | | |
| | | | | | |
| 1.20 | 12mm dia. mild steel bars to column base (density 0.89kg/m) | Kg | 55 | | |
| | | | | | |
| 1.21 | 16mm dia. mild steel bars to columns (density 1.56kg/m) | Kg | 125 | | |
| | | | | | |
| 1.22 | 8mm dia. mild steel bars to columns (density 0.40kg/m) | Kg | 35 | | |
| | | | | | |
| 1.23 | BS 142 weld mesh reinforcement to floor Slab | $m^2$ | 5 | | |
| | | | | | |
| 1.24 | 150 X 25mm formwork | Item | L/S | | |
| | | | | | |
| | **CLASS I: PIPEWORK - PIPES** | | | | |
| | All pipes to be PPR KS ISO 1425-2 | | | | |
| | | | | | |
| 1.25 | 50mm Dia PN 16 PPR inlet pipe | m | 6 | | |
| | | | | | |
| 1.26 | 40mm Dia PN 16 PPR outlet pipe | m | 5 | | |
| | | | | | |
| | **CLASS J: PIPEWORK - FITTINGS AND VALVES** | | | | |
| | All fittings are GI unless Specifiedd | | | | |
| | | | | | |
| 1.27 | 50 mm dia. Elbows G.1 | No. | 4 | | |
| | | | | | |
| 1.28 | 50 mm dia. Elbows G.1 Female Adaptor | No. | 2 | | |
| | | | | | |
| 1.29 | 32mm dia. G.1-GI Adapter | No. | 2 | | |
| | | | | | |
| 1.30 | 40X32mm dia. G.1 Reducer | No. | 1 | | |
| | | | | | |
| 1.31 | 32mm dia. Elbows | No. | 4 | | |
| | | | | | |
| 1.32 | 32mm dia. Valve sockets | No. | 4 | | |
| | | | | | |
| 1.33 | 32mm gate valve | No. | 2 | | |
| | | | | | |

| | | | | | |
|---|---|---|---|---|---|
| 1.34 | 32mm Tee | No. | 3 | | |
| | | | | | |
| 1.35 | 32mm end plug | No. | 3 | | |
| | | | | | |
| 1.36 | 32mm union | No. | 6 | | |
| | | | | | |
| 1.37 | 32mm short nipple | No. | 6 | | |
| | | | | | |
| 1.38 | 32mm union | No. | 3 | | |
| | | | | | |
| 1.39 | 32mm long nipple | No. | 6 | | |
| | | | | | |
| 1.40 | 32mm Ball Cork Valve | No. | 3 | | |
| | | | | | |
| 1.41 | 32mm elbow | No. | 3 | | |
| 1.42 | 32mm Pegler or approved Water Meter | No. | 1 | | |
| | | | | | |
| | **CLASS K: PIPEWORK - MANHOLES AND PIPEWORK ANCILLARIES** | | | | |
| | **Drainage** | | | | |
| | | | | | |
| 1.43 | Excavate for 400mm square X 900mm catch pit to detail | No. | 1 | | |
| | | | | | |
| 1.44 | Excavate for 1000mm square X 1500mm soak pit as detailed | No. | 1 | | |
| | | | | | |
| 1.45 | 4" X 8 X 18" lining block to the site of the catch pit | m | 7 | | |
| | | | | | |
| 1.46 | 100mm thick mass concrete for catch pit base slab | m | 1 | | |
| | | | | | |
| 1.47 | Mass concrete to the soak pit cover slab | m | 0 | | |
| | | | | | |
| 1.48 | Catch pit grating made from welded to form 25mm square mesh on 50mm steel frame | No. | 1 | | |
| | | | | | |
| 1.49 | Graded approved free draining Hardcore/rubble stone filling the soak pit | $m^3$ | 2 | | |
| | | | | | |

| | | | | | |
|---|---|---|---|---|---|
| 1.50 | 225mm Dia. uPVC drainage pipes | m | 1 | | |
| | | | | | |
| | **CLASS U: BRICKWORK, BLOCKWORK AND MASONRY** | | | | |
| | **WALLING** | | | | |
| | | | | | |
| 1.51 | 150 x225X 450mm natural stone to walls to superstructures walling in 1:3 sand/cement mortar finished with steel finished d on one side | m | 75 | | |
| | | | | | |
| 1.52 | 225 x225 X 450 natural stone to walls to Substructures walling in 1:3 sand/cement mortar | m | 33 | | |
| | | | | | |
| 1.53 | 6" x 12" X 12" Concrete ventilation blocks | Nr | 8 | | |
| | | | | | |
| | **Ancillaries - Finishes** | | | | |
| 1.54 | 20mm trowel finished plaster to the internal wall surfaces | $m^2$ | 20 | | |
| | | | | | |
| 1.55 | 3 coats of approved emulsion gloss pint to plastered surface | $m^2$ | 20 | | |
| | | | | | |
| | **CLASS X: MISCELANNEOUS WORK** | | | | |
| | **Fixtures** | | | | |
| 1.56 | 2000 X 1000 steel door including locks and hinges to details | No. | 1 | | |
| | | | | | |
| 1.57 | 1000 X 950 steel swing window including locks and hinges to details | No. | 1 | | |
| | | | | | |
| 1.58 | Build in 4No. Wall Shelves of 400mm deep by 2100mm long and two lockable drawers | No. | 1 | | |
| | | | | | |
| 1.59 | Supply and Install 5000 litres Plastic Tank on the Roof Slab of Water Kiosk, Colour of the Tank to be advise by the Project Engineer | No. | 1 | | |
| | | | | | |

| | | | | | |
|---|---|---|---|---|---|
| 1.60 | Supply and install Float Valve complete will all its fittings in the Plastic Tank on the Roof Slab of Water Kiosk | No. | 1 | | |
| | | | | | |
| 1.61 | Provide materials and construct a protective shelter for the plastic water kiosk storage tank, comprising galvanized corrugated iron roofing sheets, adequately sized metallic support framework, bracing members, fixing accessories, fabrication, installation, painting, and all associated works complete to the satisfaction of the Engineer | Nr | 1 | | |
| | | | | | |
| **Sub-Total** | | | | | |
| **Sub-Total for 2 No. Water Kiosks** | | | | | |

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| **FARJANA WATER SUPPLY PROJECT** | | | | | |
| | | | | | |
| | **HANAANO PROGRAMME** | | | | |
| | - | - | - | - | - |
| | **TENDER No. RACIDA/HANAANO-KEN/007/2026** | | | | |
| | - | - | - | - | - |
| | **BILL No. 7** | | | | |
| | - | - | - | - | - |
| | **CONSTRUCTION OF 2 DOORS SANITATION FACILITY.** | | | | |
| | - | - | - | - | - |
| **ITEM No.** | **DESCRIPTION** | **UNIT** | **QUANTITY** | **RATE Kshs** | **AMOUNT Kshs** |
| | | | | | |
| | **(I) SUBSTRUCTURES (Provisional)** | | | | |
| **1** | **Excavations** | | | | |
| 1.1 | Bulk Excavation of pit to 6.0m depth including maintenance and supporting sides and keeping free from water, mud and fallen materials by bailing , pumping or otherwise | m | 22 | | |

| | | | | | |
|---|---|---|---|---|---|
| 1.2 | Excavation for strip footing depth not exceeding 1.5m | $m^3$ | 4 | | |
| 1.3 | Remove surplus excavated material from site | $m^3$ | 26 | | |
| 1.4 | Back fill around foundation | $m^3$ | 1 | | |
| | | | | | |
| **2** | **Pit lining** | | | | |
| 2.1 | Double layer of brick lining with mortar joints on the well circumference including hoop iron @ every other two courses | $m^2$ | 45 | | |
| | | | | | |
| **3** | **Concrete work** | | | | |
| | **Mass concrete 1:2:4 , Class 20/15** | | | | |
| 3.1 | Strip foundations | $m^3$ | 0.6 | | |
| 3.2 | 300 x 200mm precast concrete manhole cover | $m^3$ | 0.2 | | |
| 3.3 | 100mm thick slab | $m^3$ | 0.4 | | |
| 3.4 | Weld mesh A142 Reinforcement | $m^2$ | 4 | | |
| | | | | | |
| | **(II) SUPERSTRUCTURES** | | | | |
| **4** | **Walling** | | | | |
| 4.1 | 150 mm Thick (building stones /rubble/interlocking soil blocks) walling in cement and sand mortar (1:3) | $m^2$ | 11.2 | | |
| | | | | | |
| **5** | **Concrete Work** | | | | |
| | **Vibrated reinforced concrete 1:2:4-20** | | | | |

| | | | | | |
|---|---|---|---|---|---|
| 5.1 | Maximum Aggregate as described in: | | | | |
| 5.2 | 150 x 200mm Thick lintel over door opening | $m^3$ | 0.07 | | |
| | | | | | |
| **6** | **Reinforcement** | | | | |
| 6.1 | 8mm Diameter high tensile reinforcement bar | Kg | 5 | | |
| 6.2 | 6 mm Ditto | Kg | 3 | | |
| | | | | | |
| **7** | **Sawn Formwork** | | | | |
| 7.1 | Formwork to sides and soffits of lintel | $m^2$ | 5 | | |
| | | | | | |
| **8** | **Doors** | | | | |
| 8.1 | 45mm Thick Metal framed T & G door overall size 800 x 2100mm high with and including 100 x 50mm frame, door hinges and all opening fittings | No | 2 | | |
| | | | | | |
| **9** | **Painting and decorating** | | | | |
| 9.1 | Prepare and apply two undercoats and one finishing coat oil paint to timber door | $m^2$ | 6 | | |
| | | | | | |
| | **Finishes** | | | | |
| **10** | **Wall finishes** | | | | |
| | **Cement and sand (1:3) render as described in:** | | | | |
| 10.1 | 13mm Thick with steel float finish to masonry | $m^2$ | 20 | | |
| | | | | | |
| | **Prepare and apply three coats plastic emulsion paint to:** | | | | |
| 10.2 | Rendered wall surfaces | $m^2$ | 20 | | |

| | | | | | |
|---|---|---|---|---|---|
| 10.3 | Plastered wall surfaces | $m^2$ | 20 | | |
| | | | | | |
| **11** | **Roofing** | | | | |
| 11.1 | Corrugated iron sheet roofing- gauge 30 | $m^2$ | 10 | | |
| 11.2 | 100 x 50 timber rafters at 1000 mm c/c | m | 8 | | |
| 11.3 | 75 x50 mm timber purlins at 500mm c/c | m | 11 | | |
| 11.4 | Fascia board | m | 6 | | |
| | | | | | |
| **12** | **Others** | | | | |
| 12.1 | 150 mm uPVC class E pipe | m | 12 | | |
| 12.2 | Allow for a draw off water point, including pipes and fittings 32mm Dia from the elevated tank outlet to the VIP latrines | m | 50 | | |
| | | | | | |
| **Sub-Total** | | | | | |

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| | **FARJANA WATER SUPPLY PROJECT** | | | | |
| | | | | | |
| | - | - | - | - | - |
| | **HANAANO PROGRAMME** | | | | |
| | - | - | - | - | - |
| | **TENDER No. RACIDA/HANAANO-KEN/007/2026** | | | | |
| | - | - | - | - | - |
| | **BILL No. 8** | | | | |
| | - | - | - | - | - |
| | **CONSTRUCTION OF A 3-METER ELEVATED STEEL TANK TOWER AND INSTALLATION OF A 10,000-LITER PLASTIC WATER TANK.** | | | | |
| | - | - | - | - | - |
| **ITEM** | **DESCRIPTION** | **UNIT** | **QUANTITY** | **RATE** | **AMOUNT** |

| | | | | | |
|---|---|---|---|---|---|
| | Farjana Sublocation hosts key social amenity along with MTMSG kitchen gardening sites established under the Hanaano Project. These facilities require the installation of water storage tanks to enhance water availability and support the community in meeting its priority water needs, including domestic use and livelihood activities. | | | | |
| **1** | **Site Clearing, Excavation and Preparation of foundation. (Rates for excavation and backfilling in trench shall include for trimming trench bottom and for providing selected bedding).** | | | | |
| **1.1** | Clear of site to remove top soil to an average depth of 200mm | 10 | SM | | |
| **1.2** | Excavate in ordinary soil for foundation footings | 7 | CM | | |
| **1.3** | Ditto but in rock (Provisional) | 1 | CM | | |
| **1.4** | Return fill around foundation | 2 | CM | | |
| | | | | | |
| **2** | **Reinforced Concrete 1:2:4- Class 20 mix as described in:** | | | | |
| **2.1** | Reinforced concrete filled into formworks and vibrated around rod reinforcement. | 3.5 | CM | | |
| **2.2** | Provide a 25mm Thick cement sand screed mix 1:3 finished to approval on the R.C columns | 5 | SM | | |
| **3** | **High Tensile Steel Reinforcement to B.S. 4483** | | | | |
| **3.1** | T16 | 200 | Kg | | |
| **3.2** | T8 | 50 | Kg | | |
| **3.3** | Install a set of diam. 300mm J anchor bolts Grade 8.8 (4pcs per column) and metal plate (size: 300x300mm & 10mm thick) accurately in position for Steel tower columns complete with all necessary accessories. | 16 | No. | | |
| **3.4** | Install a set of diam. 16mm bolts accurately in position for Steel tower bracing complete with all necessary accessories. | 12 | No. | | |
| | | | | | |

| | | | | | |
|---|---|---|---|---|---|
| **4** | **Water Tank** | | | | |
| **4.1** | Supply and Install 10,000 litres plastic tank (ROTO) approved as per the Manufacturer's specification. | 1 | No. | | |
| | **MILD STEEL TO B.S. 449** | | | | |
| | - | | | | |
| **5** | **Structural steel welded & Bolted joints.** | | | | |
| **5.1** | Supply, fabricate and fix 100x100x4mm SHS ( 3000mm Length) complete with base plates for columns and beams as shown in the technical drawings. | 36 | LM | | |
| **5.2** | Supply, fabricate and fix 50x50x3mm SHS for guard rail columns and shade | 55 | LM | | |
| **5.3** | Supply, fabricate and fix 25mm x2mm Dia, CHS for guard rail runners | 36 | LM | | |
| **5.4** | 75x75x3.0mm angle section for bracing complte with brackets as shown in the drawings (Length 4000mm ) | 40 | LM | | |
| **5.5** | Supply and Fix 3mm thick chequred plate as in the technical drawings | 9 | SM | | |
| **5.6** | Supply materials and fix standard ladder to the Tower | 1 | Item | | |
| | | | | | |
| **6** | **Roofing** | | | | |
| | *Supply and install GCI gauge 30 prepainted blue iron sheets as described, rates inclusive of self-tapping screws* | 10.5 | SM | | |
| **7** | **Plumbing works** | | | | |
| **7.1** | Supply and install all the pipe and fitting to connect the tank i.e. from the extension pipeline that is 12 m from the tank site. Connection using 2" GI class B | 1 | Item | | |
| **7.2** | Provide for painting of the water tank to white | 23 | SM | | |
| **7.3** | Installation of 2" GI gate valves to following pipes: outlet pipe, inlet pipe and washout pipe. | 3 | No. | | |
| | | | | | |
| | **Sub-Total** | | | | |
| | **Total for 1 No.** | | | | |

**HANAANO PROGRAMME**

**TENDER No. RACIDA/HANAANO-KEN/007/2026**
**FARJANA WATER SUPPLY PROJECT**
**GRAND SUMMARY OF PROPOSED WORKS**

| SECTION | DESCRIPTION | | TOTAL AMOUNT (KES) |
|---|---|---|---|
| 1 | Preliminaries and Generals (Bill No. 1) | | |
| 2 | Borehole Site Protection Works..(Bill No. 2) | | |
| 3 | Construction of 2 No. Eleveted Steel Tanks For 30m3 (Bill No. 3) | | |
| 4 | Water Pipelines (Bill No. 4) | | |
| 5 | Construction of 2 Nr. Animal Troughs. (Bill No. 5) | | |
| 6 | Construction of 2 No. Water Kiosks (Bill No. 6) | | |
| 7 | Construction of 2 Doors Sanitation Facility (Bill No. 7) | | |
| 8 | Construction of a 1 No. 3 M Elevated Tank Tower and Installation of 10,000Ltrs Plastic Storage Tanks at Social Amenities (Bill No. 8) | | |
| | **BILLS TOTAL INCLUSIVE OF VAT** | **(A)** | |
| | **Add 5% of (A) for Contingencies** | **(B)** | |
| | **Bill Total Inclusive of Contingencies [(A) + (B)]** | **(C)** | |
| | **GRAND TOTAL CARRIED TO LETTER OF BID [(A) + (B)]** | | |

**Summary price for the site.**

| SITE | AMOUNT (KES) |
|---|---|
| **RACIDA/HANAANO-KEN/007/2026** DEVELOPMENT OF A WATER RETICULATION PIPELINE SYSTEM AND ASSOCIATED CIVIL WORKS FOR A NEW BOREHOLE IN FARJANA, MALKAMARI WARD, BANISA SUB-COUNTY, MANDERA COUNTY | |

**Note**: *All Prices quoted shall include **VAT***

**NOTE:**

The site can be accessed through several all-weather roads within Banisa Constituency

## DECLARATION FORM

To _____ Date _____

_____

_____

The Tenderer i.e._____ *(name and address)* Declare the following:

a) Has not been debarred from participating in the public procurement.

b) Has not been involved and will not be involved in corruption and fraudulent practices regarding public procurement

Title _____ Signature _____ Date _____

(To be signed by authorized representative and officially stamped)

# FORM OF TENDERER

**TENDER NO. RACIDA/HANAANO-KEN/007/2026**

The Procurement Committee,
Rural Agency for Community Development and Assistnce – RACIDA
Email Address: procurement@racida.org
Mandera Office:Malka-suftu Road Next to Granada Hotel
or
Nairobi Office :Kinduruma Road, Top Plaza Ground Floor unit 9-12

**TENDER: DEVELOPMENT OF A WATER RETICULATION PIPELINE SYSTEM AND ASSOCIATED CIVIL WORKS FOR A NEW BOREHOLE IN FARJANA, MALKAMARI WARD, BANISA SUB-COUNTY, MANDERA COUNTY**

In accordance with the Instructions to Tenderers, Conditions of Contract, Specifications and Bills of Quantities for the execution of the above-named Works, we, the undersigned, offer to rehabilitate and complete such Works and remedy any defects therein for the sum of:

KES. .....*[Amount in figures]*

KES.……...……....…… …… *[Amount in words]*

1. We undertake, if our tender is accepted, to commence the works as soon as is reasonably possible after the receipt of the management's notice to commence, and to complete the whole of the works comprised in the Contract within the time stated in the Conditions of Contract.
2. We agree to abide by this tender for a period of 90 days from the date of the tender opening and shall remain binding upon us and may be accepted at any time before the expiry of that period.
3. Unless and until a formal Agreement is prepared and executed this tender together with your written acceptance thereof, shall constitute a binding Contract between us.
4. We understand that you are not bound to accept the lowest evaluated cost Tender, the Most Advantageous Tender or any other Tender that you may receive;
5. We have examined and have no reservations to the tender document, including any Addenda that can be issued in accordance with this ITT
6. We have not been suspended nor declared ineligible by any Procuring Entity based on performance or any fraudulent or prohibited activity(s)
7. We hereby certify that we have taken steps to ensure that no person acting for us or on our behalf engages in any type of Fraud and Corruption.
8. We hereby certify and confirm that the tender is genuine, non-collusive and made with the intention of accepting the contract if awarded.

Dated this …… day of ……20…...

Signature ……..….in the capacity of …….

duly authorized to sign tenders for and on behalf of:

…….....[**Name of Tenderer**]

……..……**/Address of Tenderer/**

**PIN No.** …….……...

VAT CERTIFICATE No . ……

**Witness:**

**N**ame …….

Address …….

Signature ……

# FORM OF TENDER SECURITY (Bank Guarantee)

Beneficiary:_____

Request for Tender No:_____

Tender Name:_____

Date:_____

Tender Guarantee No:_____

Guarantor: _____

We have been informed that_____(here in after called "the Applicant") has submitted or will submit to the Beneficiary its Tender (here in after called" the Tender") for the execution of_____ under Request for Tender No._____("the ITT").

Furthermore, we understand that, according to the Beneficiary's conditions, Tenders must be supported by a Tender guarantee.

At the request of the Applicant, we, as Guarantor, hereby irrevocably undertake to pay the Beneficiary any sum or sums not exceeding in total an amount of_____ (_____)upon receipt by us of the Beneficiary's complying demand, supported by the Beneficiary's statement, whether in the demand itself or a separate signed document accompanying or identifying the demand, stating that either the Applicant:

b) Has withdrawn its Tender during the period of Tender validity set forth in the Applicant's Letter of Tender ("the Tender Validity Period"), or any extension thereto provided by the Applicant; or
c) Having been notified of the acceptance of its Tender by the Beneficiary during the Tender Validity Period or any extension there to provided by the Applicant,
    i. Has failed to execute the contract agreement, or
    ii. Has failed to furnish the Performance.

This guarantee will expire:

a) If the Applicant is the successful Tenderer, upon our receipt of copies of the contract agreement signed by the Applicant and the Performance Security and, or
b) If the Applicant is not the successful Tenderer, upon the earlier of
    i. Our receipt of a copy of the Beneficiary's notification to the Applicant of the results of the Tendering process; or
    ii. Thirty days after the end of the Tender Validity Period.

Consequently, any demand for payment under this guarantee must be received by us at the office indicated below on or before that date.

_____

_____

*Signature(s)* _____

*Seal* _____

## TENDER QUESTIONNAIRE

***Please fill in block letters.***

Full names of

Tenderer:……..……

Full address of Tenderer to which tender correspondence is to be sent (unless an agent has been appointed below):……..……

Telephone number (s) of

Tenderer.……

Email Address of

Tenderer:……..……

Name of Tenderer's representative to be contacted on matters of the tender during the tender period:……..……
……

Details of Tenderer's nominated agent (if any) to receive tender notices.

This is essential if the Tenderer does not have his registered address in Kenya (name, address, telephone, telex):……..……

……

……..……

……

***Signature of Tenderer*** _____

**CONFIDENTIAL BUSINESS QUESTIONNAIRE**

You are requested to give the particulars indicated in Part 1 and either Part 2 (a), 2 (b) or 2(c) and (2d) whichever applies to your type of business.

You are advised that it is a serious offence to give false information on this Form.

***Part 1 – General***

Business Name ……

Location of business premises: Country/Town…….

Plot No…… Street/Road……

Postal Address……Tel No……..

Nature of Business……..

Current Trade Licence No…… Expiring date……

Maximum value of business which you can handle at any time:
Kenya Shillings……

Name of your bankers……

Branch……

***Part 2 (a) – Sole Proprietor***

Your name in full…… Age……

Nationality…… Country of Origin……

Citizenship details ……

***Part 2 (b) – Partnership***

*Give details of partners as follows:*

| | *Name in full* | *Nationality* | *Citizenship Details* | *Shares* |
|---|---|---|---|---|
| 1. | …… | ……. | …….. | …….. |
| 2. | …… | ……. | …….. | …… |
| 3. | …… | …… | …… | …… |
| 4. | …… | …… | …… | …… |

***Part 2(c) – Registered Company***

Private or Public ……

State the nominal and issued capita of the company:

Nominal KES. ……..

Issued KES. ……..

Give details of all directors as follows:

| | *Name in full* | *Nationality* | *Citizenship Details** | *Shares* |
|---|---|---|---|---|
| 1. | …….. | …… | …….. | …….. |
| 2. | …….. | …… | …….. | …….. |
| 3. | …….. | …… | …….. | …….. |
| 4. | …….. | …… | …….. | …….. |

***Part 2(d) Interest in the Firm:***

Is there any person/persons in the employment of Rural Agency for Community Development and Assistance WHO has interest in this firm? Yes/No.....(Delete as necessary)

I certify that the above information is correct.

| …….. | ……. | ……. |
|---|---|---|
| Title | Signature | Date |

* *Attach proof of citizenship*

**KEY PERSONNEL**

Qualifications and experience of key personnel proposed for administration and execution of the Contract. **(Signed CVs and copies of certificates MUST be attach)**

| NO. | POSITION | NAME | QUALIFICATION | YEARS OF EXPERIENCE |
|---|---|---|---|---|
| 1 | | | | |
| 2 | | | | |
| 3 | | | | |
| 4 | | | | |
| 5 | | | | |
| 6 | | | | |
| 7 | | | | |
| 8 | | | | |
| 9 | | | | |
| 10 | | | | |

I certify that the above information is correct.

…….. ……... ……. ……... ……

Title Signature Date

## SCHEDULE OF CONTRACTS COMPLETED IN THE LAST FIVE (3) YEARS

Work performed on works of a similar nature, complexity and volume over the last 3 years. **(Copies of Completion Certificates, Handing over Certificates or Final payment MUST be attached as proof).**

| PROJECT NAME | NAME OF CLIENT | TYPE OF WORK | YEARS OF COMPLETION | VALUE OF CONTRACT (KES) |
|---|---|---|---|---|
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

I certify that the above works were successfully carried out and completed by ourselves.

…… …… ……
Title Signature Date

## SCHEDULE OF ON-GOING PROJECTS

Details of on-going or committed projects, including expected completion date.
**(Copies of letter of offer MUST be attached as proof).**

| PROJECT NAME | NAME OF CLIENT | CONTRACT SUM | % COMPLETED | COMPLETION DATE |
|---|---|---|---|---|
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

I certify that the above works are currently being carried out by ourselves.

Title……. Signature……. Date…….

## *NOTES TO THE TENDERERS ON THE QUESTIONNAIRE

3. *Bidders shall attach their copies of the National Identity Card/ Passport*
2. *The address and contact person of the Tendered provided above shall at all times be used for purposes of this tender.*
3. *The details on this Form are essential and compulsory for all Tenderers.* **Failure to provide all the information requested shall lead to the Tenderer's disqualification.**