INVITATION TO TENDER

TENDER NO. RACIDA-KEN/BORESHA-NABAD/04-2026

PROPOSED DEVELOPMENT AND INSTALLATION OF CLIMATE SMART SOLAR IRRIGATION SYSTEM FOR FARMS LOCATED IN BUR ABOR AND FIQOW, MANDERA COUNTY

CLOSING DATE: 22ND SEPTEMBER 2026 AT 1600 HRS

LETTER OF INVITATION TO TENDER

TENDER NO. RACIDA-KEN/BORESHA-NABAD/07-2026

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 Somalia, Somalia and Ethiopia

Invitation to Tender

RACIDA invites sealed bids for the **PROPOSED DEVELOPMENT AND INSTALLATION OF CLIMATE SMART SOLAR IRRIGATION SYSTEM FOR FARMS LOCATED IN BUR ABOR AND FIQOW, 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 addressed to:

THE PROCUREMENT COMMITTEE
TENDER NO. RACIDA-KEN/BORESHA-NABAD/07-2026
TENDER NAME: PROPOSED DEVELOPMENT AND INSTALLATION OF CLIMATE SMART SOLAR IRRIGATION SYSTEM FOR FARMS LOCATED IN BUR ABOR AND FIQOW, MANDERA COUNTY

Should be dropped in the tender box situated at RACIDA' s:

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 not later than **22ND SEPTEMBER 2026 AT 1600 HRS**

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

Notes:

- 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.
- All submissions done as joint ventures will be automatically disqualified
- There will be an online public opening of bids, and this will be communicated to bidders who shall have submitted and recorded on the bid reception list.

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 Eight (8) 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	9th September 2026	N/A
Deadline for request for any clarifications from RACIDA procurement	16th September 2026	Before 1600hrs
Channel for request for clarification	procurement@racida.org	Email
Last date on which clarifications are issued by RACIDA	18th September 2026	By 1600hrs
Deadline for submission of tenders (receiving date, not sending date)	22nd September 2026	By 1600hrs
Tender opening session by RACIDA	TBA	
Notification of award to the successful tenderer	TBA	

Scope of Works

The work includes delivery, installation and commissioning of a solar floating pumping system for irrigating farmlands along river daua in Bur Abor and Fiqow, Mandera County. The respective works include installation of a floating pontoon, 3 phase horizontal surface centrifugal pump of 7.5kw, suction and delivery pipes, solar panels, solar structure, 3 phase inverter 11kw and accessories for powering the pump, gabion protection works and last mile irrigation pipeline connectivity.

Required Bid Components

Each bid must include:

- A completed Form of Tender.
- A Comprehensive Works Program (8-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 two levels of evaluation criteria subjected to bids for the PROPOSED DEVELOPMENT AND INSTALLATION OF CLIMATE SMART SOLAR IRRIGATION SYSTEM FOR FARMS LOCATED IN BUR ABOR AND FIQOW, MANDERA COUNTY

1.) Mandatory Requirements – Non-Graded
2.) Technical evaluation – Max Score 100

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 and MEP 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 & copies 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 70% 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:** • Proof of at least 3 similar works executed on water works and/or irrigation works in the last 3–5 years. (5Marks) • Provide at least 3 contracts/award/completion certificates of similar nature and most preferably on irrigation works. (5Marks) • Provide evidence of at least 3 similar value works as per scope. (10 Marks) • Provide evidence of similar works in Non/ASAL (e.g... Mandera) with similar terrain and complexity. (5Marks)	25
2	**CVs of Key Personnel:** • Project Manager: BSc Civil/Water or Agricultural Engineering, EBK registered, 8 years' experience managing water supply projects/water treatment facilities and stakeholder coordination. (10Marks) • Water Laboratory Technician: Diploma/Degree in water quality monitoring, 3+ years' experience, relevant professional body registered. (5Marks) • Electrical Technician: Diploma/Degree in Electrical Engineering, registered with relevant body, 3 years' experience in water system electrical installations and maintenance. (5Marks)	30

	• Plumber / Pipefitter: Certificate/Diploma in Plumbing/Mechanical, registered with relevant body, 3–5 years' experience installing pipelines, valves, and connections for water irrigation and filtration systems. (5Marks) • Pump / Mechanical Technician: Certificate/Diploma in Mechanical/Water Engineering, registered with relevant body, 3+ years' experience in pump installation, maintenance and integration with irrigation systems. (5Marks)	
4	Methodology / Work Plan: Provide detailed technical proposal including: • Understanding of the assignment(10Mark) • Implementation approach (6Mark) • Risk mitigation measures (6Mark) • Environmental & safety protocols (6Mark) • Quality assurance mechanisms (6Mark) • Work sequencing and timelines (6Mark)	40
5	Financial Capacity: Provide evidence of financial capability to execute the project: • Certified bank statements last two years (2024-2025) or (1Mark) • Audited financial reports for the last two years (2024-2025) or (1Mark) • Bank letter of credit or financial support(3Mark)	5
	GRAND TOTAL SCORE	**100**

Note: *Only bidders who score a minimum of 70- marks proceed to financial evaluation*

Criteria Award

Award will be to lowest technically responsive bid provided it meets the budget confines.

PROPOSED DEVELOPMENT AND INSTALLATION OF CLIMATE SMART SOLAR IRRIGATION SYSTEM FOR FARMS LOCATED IN BUR ABOR AND FIQOW, 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.

Farms in Mandera County have historically relied on diesel-powered generators to operate irrigation pumps and provide water for crop production. However, the significant increase in diesel fuel prices coupled with high transportation, maintenance and other agricultural input costs has made diesel-powered irrigation increasingly expensive and difficult for smallholder farmers to sustain. As a result, many farmers have reduced the frequency and duration of irrigation or left portions of their farmland uncultivated leading to declining crop productivity, reduced yields and lower household incomes. In addition to the economic burden, diesel-powered generators produce greenhouse gas emissions and other air pollutants contributing to environmental degradation. The continued dependence on fossil-fuel-based irrigation therefore presents both an economic and environmental challenge to sustainable agricultural development in Mandera.

The proposed introduction of a climate-smart solar-powered irrigation system will provide a reliable, cost-effective and environmentally sustainable alternative to diesel-powered pumping. The system will utilize solar photovoltaic (PV) panels to generate electricity for high-efficiency water pumps with the design based on site-specific parameters including crop water requirements, available water resources, pumping depth, total dynamic head, required flow rate, irrigation area and available solar radiation. Where appropriate, the system can incorporate water storage tanks or reservoirs, efficient distribution pipelines and water-saving irrigation technologies such as drip or sprinkler irrigation. By eliminating or substantially reducing diesel consumption, the system will significantly lower recurring irrigation costs, reduce exposure to fuel-price fluctuations, minimize equipment downtime associated with generator maintenance and improve the reliability of water supply. The use of efficient irrigation technologies will also maximize water-use efficiency by delivering water according to crop requirements while reducing evaporation, runoff and unnecessary losses.

Beyond reducing production costs, the solar irrigation system will enable farmers to expand the area under cultivation by providing a more affordable and dependable source of irrigation energy. Previously uncultivated or virgin land that was not economically feasible to develop using diesel-powered systems can potentially be cleared, prepared and brought under irrigation subject to confirmation of adequate and sustainable water resources. Increased irrigated area combined with more reliable irrigation and improved water-use efficiency is expected to increase cropping intensity, productivity and overall farm yields, thereby improving food security and farmers' incomes. Environmentally, replacing diesel generators with solar energy will reduce greenhouse gas emissions, air pollution and dependence on fossil fuels. The intervention therefore represents a practical climate-smart agricultural investment that simultaneously improves farm-level economic resilience, increases agricultural production, promotes sustainable water and energy management and supports the long-term development of resilient agricultural systems in Mandera.

The region 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.

Background

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 region 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, the region 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.

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 documents

PROPOSED DEVELOPMENT AND INSTALLATION OF CLIMATE SMART SOLAR IRRIGATION SYSTEM FOR FARMS LOCATED IN BUR ABOR AND FIQOW, MANDERA COUNTY

LOT 1 BUR ABOR FARMS

BILL OF QUANTITIES FOR INSTALLATION OF SOLAR IRRIGATION SYSTEM IN BUR ABOR, MANDERA COUNTY					
Item No.	**Item Description**	**Unit**	**Qty**	**Rate**	**Amount**
	PREAMBLE *1. The Bill of Quantities (BoQ) must be read together with the Instructions to Bidders, General and Particular Conditions, Technical Specifications, and Drawings.* *2. The quantities in the BoQ are estimated and provisional. They provide a common basis for bidding. Payment is based on actual quantities of work ordered and executed, as measured by the Contractor, verified by the Engineer, and valued at the bid rates/prices (where applicable), or otherwise at rates fixed by the Engineer under the Contract terms.* *3. The rates and prices Bid rates/prices in the priced BoQ include all costs for Constructional Plant, labour, materials, erection, maintenance, insurance, profit, taxes, duties, ESMP implementation and all general risks, liabilities, and obligations (express or implied) in the Contract.* *4. A rate or price must be entered against every item in the priced BoQ, whether a quantity is stated or not. If no rate/price is entered for an item, its cost is deemed covered by other rates/prices in the BoQ.* *5. The full cost of complying with the Contract must be included in the priced BoQ items.*				
1.0	**Provisional Sums & Preliminaries**				
1.1	**Provisional Sums**				
1.1.2	Allow a provisional sum for operations and maintenance for one growing season	LS	1		
1.1.3	Allow a provisional sum to facilitate for capacity strengthening of Scheme Management Committee and farmers through training in Climate-Smart Agriculture (CSA), Integrated Soil Fertility Management (ISFM), and irrigation scheme operation and maintenance (O&M)	LS	1		
1.1.4	Allow a provisional sum for insurance of works, and against damage to persons and property	LS	1		
1.1.5	Allow provisional sum for the facilitation of statutory permits in relation to abstraction from River Daua for irrigation purposes	LS	1		
	Preliminaries				
1.2.1	Allow for provision, erection and maintenance of Project Sign Boards at the sites indicated by the Engineer, within the Project Area and in accordance with the Conditions of Contract.	No.	2		

1.2.2	Provide for branding of pumpsets and project structures as designed and directed by RACIDA	Lot	1		
1.2.3	*Allow sum for mobilization and demobilization of labor, materials and equipment to the site including setting site camp and providing security and necessary statutory approvals as required by laws governing similar construction and/or as directed by the supervising engineer*				
1.2.4	Mobilization and demobilization including site clearance	Item	1		
1.2.5	Establishment of Site camp and security provision	Lot	1		
1.2.6	Setting out, permits and statutory approvals including ESIA licensing and report	LS	1		
1.2.7	Include testing and commissioning of the scheme prior to handing over to the community	LS	1		
	Bill No.1 Carried to Grand Summary				**-**

2.0	**Water Abstraction System**				
2.1	**Floating Pontoon (Pump Cage and Pumping Unit)**				
2.1.1	Provide all materials, fabricate and install a floating pontoon and pump cage clamped to the floating pontoon suitable as a draw off system for a direct river intake as detailed in the provided technical drawings and specifications	Item	1		
2.1.2	Supply and install all fittings and works incidental to the installation of pump to connect it to the pump cage and sunction / delivery pipe, including all bolts, nuts, clamps etc. Include pillar support for the floating pontoon at the edge of the river.	Item	1		
2.1.3	Supply and install 7.5kw horizontal high flow centrifugal end suction pump, single stage back out pull out design, Duty 100 m3/hr at approximately 40 meters Head, closely coupled with a suitable motor and mounted on the floating pontoon and within the pump cage complete with all requisite accessories and panels	Item	1		
2.2	**Sunction and Delivery Pipes and Fittings**				
	Supply, handle, deliver to site, lay and joint and test (Rate to include excavation of trench to depth n.e 1.5m, shoring of sides, cutting to size the pipes, fixing and jointing materials inclusive of sockets, mechanical joints, or rubber rings where applicable, backfilling and final reinstatements). Application on joints and pipe connection should be done using butt fusion machine				
2.2.1	110mm dia. uPVC PN10 Pipe	Nr	2		
2.2.2	110mm dia. uPVC Unions	Nr	2		
2.2.3	110mm dia. uPVC Elbow, 45 Deg.	Nr	1		
2.2.4	110mm dia. uPVC Elbow, 90 Deg.	Nr	2		
2.2.5	110mm dia. uPVC Non Return Valve (Regev NR10 or approved)	Nr	1		

2.2.6	110mm dia. uPVC Flange adaptor (110 flange + stub)	Nr	4		
2.2.7	160x110mm dia. uPVC PN10 Pipe	Nr	3		
2.2.8	150mm dia. flow meter (mechanical type) PN16 (Kent or equivalent)	Nr	1		
2.2.9	160mm dia. uPVC Flange adaptor (160 flange + stub)	Nr	4		
2.2.9	150mm dia. Gate Valve PN16 (Euro series or equivalent)	Nr	1		
2.3	**Hybrid Solar System**				
	Contractor shall supply, install, test and commission a complete 18 kWp ground-mounted solar hybrid PV system with 11 kW inverter and monitoring system, including all required structures, cabling, protections, earthing and accessories in compliance with relevant standards. On completion, the Contractor shall test and commission the system, submit as-built documentation and manuals, and train the beneficiaries' operator on safe operation and routine maintenance.				
	Solar PV Bifacial Monocrystalline Photovoltaic Modules				
2.3.1	Jinko or equivalent; 610-635 Wp	KWp	18.0		
2.3.2	MC4-type connectors & PV string accessories	Item	1		
	Solar Inverter				
2.3.3	11 kW three-phase solar inverter as Sunverter 3 (SV3/15T) or equivalent complete with mounting hardware, lugs, glands, and connectors	No.	1		
	Solar PV System Cabling & Electrical Installation				
2.3.4	4 mm² DC solar cable, UV-resistant, 1000–1500 V DC	m	100		
2.3.5	6 mm² DC solar cable, UV-resistant	m	80		
2.3.6	DC combiner box incl. fuses, DC SPD & isolator (Suitably rated)	No.	1		
2.3.7	PV Disconnect near inverter	No.	1		
2.3.8	4C × 16 mm² Copper armoured AC cable inverter to MDB	m	50		
2.3.9	AC distribution/interface board incl. MCBs, RCDs, AC SPD	No.	1		
2.3.10	16 mm² Copper earth conductor	m	60		
2.3.11	Earth rods, clamps & inspection pits	Item	1		
2.3.12	Conduits, trunking, cable ties, markers, labels	Item	1		
2.3.13	Provide and install 3 solar street lights of 600W each complete with metallic structure for illumination	No.	3		
2.3.14	System testing & commissioning (I-V checks, insulation, function)	Item	1		
	Solar PV System Ground Mounting Structure				
2.3.15	Hot-dip galvanized steel mounting frames & rails	Item	1		
2.3.16	Galvanized posts & concrete foundations	Item	1		

2.3.17	Clamps, bolts, nuts, washers, anti-corrosion accessories	Item	1		
	Bill No.2 Carried to Grand Summary				**-**

3.0	**Intake Works - Protection Works**				
3.1	**Gabion Protection Works for Intake Site**				
3.1.1	Site clearing, leveling and marking out	m^2	615		
3.1.2	Excavate 3m in either direction, upstream and downstream, to a depth n.e 2m for gabion works and cart away	m^3	12		
3.1.3	Supply and fix gabions mesh for boxes with approved hardcore for u/s and d/s walls (3m length either direction)	m^3	12		
	Bill No.3 Carried to Grand Summary				**-**

4.0	**Pipeline Works**				
4.1	**HDPE Pipeline Works**				
	Supply and transport to site HDPE Pipes as standardized under KS ISO 4427, EN ISO 6708, or equivalent standards. Costs inclusive of supply of jointing materials, delivery and installation (DN125 = 5"; DN100 = 4", DN = Diameter Nominal/ internal pipe diameter)				
4.1.1	DN125 (OD 135mm) PN10 HDPE pipes - Mainline	m	900		
4.1.2	DN100 (OD 110mm) PN10 HDPE pipes - Submain	m	50		
4.1.3	DN125 HDPE 90° elbows PN10	No.	8		
4.1.4	DN100 HDPE 90° elbows PN10	No.	15		
4.1.5	DN125 HDPE equal tees PN10 (one per distribution point)	No.	12		
4.1.6	DN125 x DN100 reducer adapter	No.	12		
4.1.7	DN100 PN16 Flanged GI gate valves	No.	15		
4.1.8	DN100 HDPE flange adaptor + backing ring sets	No.	15		
4.1.9	DN125 HDPE straight couplers / repair joints	No.	10		
4.1.10	DN125 HDPE end caps PN10 (terminal end)	No.	3		
	Pipe Laying and Jointing				
4.1.11	Clear and strip vegetation on the pipeline corridor n.e 2.0m wide and 150mm deep along the pipeline; cart off waste as shall be directed by the supervising engineer, and in adherence to envirinmental regulations	m^2	1800		

4.1.12	Excavate for pipeline trench to a depth n.e 1.2m x 750mm width, trim in readiness of pipe laying as per specifications. Cost inclusive of covering after pipe laying	m^3	810		
4.1.13	Joint HDPE pipes and fittings; HDPE pipe joining	m	900		
4.2	**Distribution Points**				
4.2.1	Construct a standard concrete-walled chamber of internal dimesnions 1m x 1m x 0.6m (above ground level) with manhole cover to house a pipeline hydrant consisting of throttling and isolation gate valves including air valves to control of water flow into the distribution boxes	No.	7		
4.2.2	Construct a concrete standard water distribution box of internal dimesnsions 1.5m x 1.5m x 0.75m (above ground level) internal dimensions, or as per the design and/or directed by the supervising engineer	No.	9		
	Bill No.4 Carried to Grand Summary				**-**

Grand Summary for the Project		
	Bill No.1: Preliminaries and Generals	-
	Bill No.2: Water Abstraction System	-
	Bill No.3: Intake Works - Gabion Protection	-
	Bill No.4: Pipeline Works	-
	Total (VAT Inclusive)	**-**
	Add 5% for Physical Contigencies	**-**
	Grand Total	**-**

LOT 2 FIQOW FARMS

BILL OF QUANTITIES FOR INSTALLATION OF SOLAR IRRIGATION SYSTEM IN FIQOW, MANDERA COUNTY					
Item No.	**Item Description**	**Unit**	**Qty**	**Rate**	**Amount**
	PREAMBLE *1. The Bill of Quantities (BoQ) must be read together with the Instructions to Bidders, General and Particular Conditions, Technical Specifications, and Drawings.* *2. The quantities in the BoQ are estimated and provisional. They provide a common basis for bidding. Payment is based on actual quantities of work ordered and executed, as measured by the Contractor, verified by the Engineer, and valued at the bid rates/prices (where applicable), or otherwise at rates fixed by the Engineer under the Contract terms.* *3. The rates and prices Bid rates/prices in the priced BoQ include all costs for Constructional Plant, labour, materials, erection, maintenance, insurance, profit, taxes, duties, ESMP implementation and all general risks, liabilities, and obligations (express or implied) in the Contract.* *4. A rate or price must be entered against every item in the priced BoQ, whether a quantity is stated or not. If no rate/price is entered for an item, its cost is deemed covered by other rates/prices in the BoQ.* *5. The full cost of complying with the Contract must be included in the priced BoQ items.*				
1.0	**Provisional Sums & Preliminaries**				
1.1	**Provisional Sums**				
1.1.2	Allow a provisional sum for operations and maintenance for one growing season	LS	1		
1.1.3	Allow a provisional sum to facilitate for capacity strengthening of Scheme Management Committee and farmers through training in Climate-Smart Agriculture (CSA), Integrated Soil Fertility Management (ISFM), and irrigation scheme operation and maintenance (O&M)	LS	1		
1.1.4	Allow a provisional sum for insurance of works, and against damage to persons and property	LS	1		
1.1.5	Allow provisional sum for the facilitation of statutory permits in relation to abstraction from River Daua for irrigation purposes	LS	1		
	Preliminaries				
1.2.1	Allow for provision, erection and maintenance of Project Sign Boards at the sites indicated by the Engineer, within the Project Area and in accordance with the Conditions of Contract.	No.	2		
1.2.2	Provide for branding of pumpsets and project structures as designed and directed by RACIDA	Lot	1		

1.2.3	*Allow sum for mobilization and demobilization of labor, materials and equipment to the site including setting site camp and providing security and necessary statutory approvals as required by laws governing similar construction and/or as directed by the supervising engineer*				
1.2.4	Mobilization and demobilization including site clearance	Item	1		
1.2.5	Establishment of Site camp and security provision	Lot	1		
1.2.6	Setting out, permits and statutory approvals including ESIA licensing and report	LS	1		
1.2.7	Include testing and commissioning of the scheme prior to handing over to the community	LS	1		
	Bill No.1 Carried to Grand Summary				**-**

2.0	**Water Abstraction System**				
2.1	**Floating Pontoon (Pump Cage and Pumping Unit)**				
2.1.1	Provide all materials, fabricate and install a floating pontoon and pump cage clamped to the floating pontoon suitable as a draw off system for a direct river intake as detailed in the provided technical drawings and specifications	Item	1		
2.1.2	Supply and install all fittings and works incidental to the installation of pump to connect it to the pump cage and sunction / delivery pipe, including all bolts, nuts, clamps etc. Include pillar support for the floating pontoon at the edge of the river.	Item	1		
2.1.3	Supply and install 7.5kw horizontal high flow centrifugal end suction pump, single stage back out pull out design, Duty 100 m3/hr at approximately 40 meters Head, closely coupled with a suitable motor and mounted on the floating pontoon and within the pump cage complete with all requisite accessories and panels	Item	1		
2.2	**Sunction and Delivery Pipes and Fittings**				
	Supply, handle, deliver to site, lay and joint and test (Rate to include excavation of trench to depth n.e 1.5m, shoring of sides, cutting to size the pipes, fixing and jointing materials inclusive of sockets, mechanical joints, or rubber rings where applicable, backfilling and final reinstatements). Application on joints and pipe connection should be done using butt fusion machine				
2.2.1	110mm dia. uPVC PN10 Pipe	Nr	2		
2.2.2	110mm dia. uPVC Unions	Nr	2		
2.2.3	110mm dia. uPVC Elbow, 45 Deg.	Nr	1		
2.2.4	110mm dia. uPVC Elbow, 90 Deg.	Nr	2		
2.2.5	110mm dia. uPVC Non Return Valve (Regev NR10 or approved)	Nr	1		
2.2.6	110mm dia. uPVC Flange adaptor (110 flange + stub)	Nr	4		
2.2.7	160x110mm dia. uPVC PN10 Pipe	Nr	3		

2.2.8	150mm dia. flow meter (mechanical type) PN16 (Kent or equivalent)	Nr	1		
2.2.9	160mm dia. uPVC Flange adaptor (160 flange + stub)	Nr	4		
2.2.9	150mm dia. Gate Valve PN16 (Euro series or equivalent)	Nr	1		
2.3	**Hybrid Solar System**				
	Contractor shall supply, install, test and commission a complete 18 kWp ground-mounted solar hybrid PV system with 11 kW inverter and monitoring system, including all required structures, cabling, protections, earthing and accessories in compliance with relevant standards. On completion, the Contractor shall test and commission the system, submit as-built documentation and manuals, and train the beneficiaries' operator on safe operation and routine maintenance.				
	Solar PV Monocrystalline Photovoltaic Modules				
2.3.1	Jinko or equivalent; 610-635 Wp	KWp	18.0		
2.3.2	MC4-type connectors & PV string accessories	Item	1		
	Solar Inverter				
2.3.3	11 kW three-phase solar inverter as Subverter 3 (SV3/15T) or equivalent complete with mounting hardware, lugs, glands, and connectors	No.	1		
	Solar PV System Cabling & Electrical Installation				
2.3.4	4 mm² DC solar cable, UV-resistant, 1000–1500 V DC	m	100		
2.3.5	6 mm² DC solar cable, UV-resistant	m	80		
2.3.6	DC combiner box incl. fuses, DC SPD & isolator (Suitably rated)	No.	1		
2.3.7	PV Disconnect near inverter	No.	1		
2.3.8	4C × 16 mm² Copper armored AC cable inverter to MDB	m	50		
2.3.9	AC distribution/interface board incl. MCBs, RCDs, AC SPD	No.	1		
2.3.10	16 mm² Copper earth conductor	m	60		
2.3.11	Earth rods, clamps & inspection pits	Item	1		
2.3.12	Conduits, trunking, cable ties, markers, labels	Item	1		
2.3.13	Provide and install 3 solar street lights of 600W each complete with metallic structure for illumination	No.	3		
2.3.14	System testing & commissioning (I-V checks, insulation, function)	Item	1		
	Solar PV System Ground Mounting Structure				
2.3.15	Hot-dip galvanized steel mounting frames & rails	Item	1		
2.3.16	Galvanized posts & concrete foundations	Item	1		
2.3.17	Clamps, bolts, nuts, washers, anti-corrosion accessories	Item	1		
	Bill No.2 Carried to Grand Summary				**-**

3.0	**Intake Works - Protection Works**				
3.1	**Gabion Protection Works for Intake Site**				
3.1.1	Site clearing, leveling and marking out	m^2	615		
3.1.2	Excavate 3m in either direction, upstream and downstream, to a depth n.e 2m for gabion works and cart away	m^3	12		
3.1.3	Supply and fix gabions mesh for boxes with approved hardcore for u/s and d/s walls (3m length either direction)	m^3	12		
	Bill No.3 Carried to Grand Summary				**-**

4.0	**Pipeline Works**				
4.1	**HDPE Pipeline Works**				
	Supply and transport to site HDPE Pipes as standardized under KS ISO 4427, EN ISO 6708, or equivalent standards. Costs inclusive of supply of jointing materials, delivery and installation (DN125 = 5"; DN100 = 4", DN = Diameter Nominal/ internal pipe diameter)				
4.1.1	DN125 (OD 135mm) PN10 HDPE pipes - Mainline	m	700		
4.1.2	DN100 (OD 110mm) PN10 HDPE pipes - Submain	m	50		
4.1.3	DN125 HDPE 90° elbows PN10	No.	8		
4.1.4	DN100 HDPE 90° elbows PN10	No.	14		
4.1.5	DN125 HDPE equal tees PN10 (one per distribution point)	No.	12		
4.1.6	DN125 x DN100 reducer adapter	No.	11		
4.1.7	DN100 PN16 Flanged GI gate valves	No.	15		
4.1.8	DN100 HDPE flange adaptor + backing ring sets	No.	12		
4.1.9	DN125 HDPE straight couplers / repair joints	No.	10		
4.1.10	DN125 HDPE end caps PN10 (terminal end)	No.	3		
	Pipe Laying and Jointing				
4.1.11	Clear and strip vegetation on the pipeline corridor n.e 2.0m wide and 150mm deep along the pipeline; cart off waste as shall be directed by the supervising engineer, and in adherence to environmental regulations	m^2	1400		
4.1.12	Excavate for pipeline trench to a depth n.e 1.2m x 750mm width, trim in readiness of pipe laying as per specifications. Cost inclusive of covering after pipe laying	m^3	700		
4.1.13	Join HDPE pipes and fittings; HDPE pipe joining	m	750		

4.2	**Distribution Points**				
4.2.1	Construct a standard concrete-walled chamber of internal dimensions 1m x 1m x 0.6m (above ground level) with manhole cover to house a pipeline hydrant consisting of throttling and isolation gate valves including air valves to control of water flow into the distribution boxes	No.	7		
4.2.2	Construct a concrete standard water distribution box of internal dimensions 1.5m x 1.5m x 0.75m (above ground level) internal dimensions, or as per the design and/or directed by the supervising engineer	No.	9		
	Bill No.4 Carried to Grand Summary				**-**

Grand Summary for the Project		
	Bill No.1: Preliminaries and Generals	-
	Bill No.2: Water Abstraction System	-
	Bill No.3: Intake Works - Gabion Protection	-
	Bill No.4: Pipeline Works	-
	Total (VAT Inclusive)	**-**
	Add 5% for Physical Contingencies	**-**
	Grand Total	**-**

Summary price for the site.

SITE	AMOUNT (KES)
RACIDA-KEN/BORESHA-NABAD/07-2026 PROPOSED DEVELOPMENT AND INSTALLATION OF CLIMATE SMART SOLAR IRRIGATION SYSTEM FOR FARMS LOCATED IN BUR ABOR AND FIQOW, MANDERA COUNTY	

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

NOTE:

The site can be accessed through the main road from Khalalio to Mandera Town.

Solar Irrigation Drawings.pdf

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. TENDER NO. RACIDA-KEN/BORESHA-NABAD/07-2026
The Procurement Committee,
Rural Agency for Community Development and Assistance – RACIDA
Email Address: procurement@racida.org
Dollow Somalia Main Office

TENDER: PROPOSED DEVELOPMENT AND INSTALLATION OF CLIMATE SMART SOLAR IRRIGATION SYSTEM FOR FARMS LOCATED IN BUR ABOR AND FIQOW, 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 for all the procurement and technical guidance that is the structural drawings provided below as a sample 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:

Name …….

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 onor 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:
KES 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**