



## KUNENE REGIONAL COUNCIL



Tel: +264-65-273950  
Fax: +264-65-273077

M. Muharukua Street  
OPUWO, NAMIBIA

Private Bag 502  
OPUWO, NAMIBIA

### REQUEST FOR QUOTATIONS FOR WORKS (RFQ)

**REQUEST FOR QUOTATIONS FOR THE INSTALLATION OF WATER  
INFRASTRUCTURE AT KUNENE RURAL DEVELOPMENT CENTRE -  
ONDORORUNDU VILLAGE IN OPUWO URBAN CONSTITUENCY, KUNENE  
REGION**

**Procurement Reference No: W/RFQ/KRC-06/2025/26**  
**BIDDER'S DETAILS**

Bidder Name: \_\_\_\_\_

Bidder Representative: \_\_\_\_\_

Tel: \_\_\_\_\_

Mobile: \_\_\_\_\_

E-mail: \_\_\_\_\_

Bid Amount: \_\_\_\_\_

Contract Period: \_\_\_\_\_

**Kunene Regional Council**

P/Bag 502

Opuwo

Tel: 065- 273950/065-275098

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E-mail: pmu.kunenerc@gmail.com/pmu@kunenerc.gov.na



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## Letter of Invitation

To: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Procurement Reference Number: W/RFQ/KRC-06/2025/26

Dear Sirs,

### **Request for quotations for the installation of water infrastructure at Kunene Rural Development Centre - Ondororundu village in Opuwo Urban Constituency, Kunene Region**

Bidders are invited resulting contract shall be subject to the terms and conditions referred to in the document.

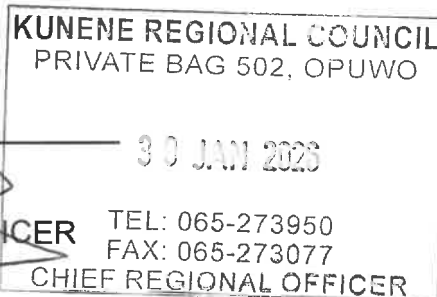
Queries, if any, should be addressed to **Ms. Justine Mwafangeyo @ 0813532717**

Please prepare and submit your quotation in accordance with the instructions given or inform the undersigned if you will not be submitting a quotation.

Yours faithfully,

  
G. P. KAMSEB

CHIEF REGIONAL OFFICER



## **SECTION I: INSTRUCTIONS TO BIDDERS**

### **1. Rights of Public Entity**

The Kunene Regional Council: Directorate of Education, Arts and Culture reserves the right:

- a) to split the contract as per the lowest evaluated cost per lot; and
- b) to accept or reject any quotation or to cancel the quotation process and reject all quotations at any time prior to contract award.

### **2. Preparation of Quotations**

You are requested to quote for the works mentioned in Section III, by completing, signing and returning:

- a) the Quotation Letter in Section II with its annex for Bid Securing Declaration, where applicable;
- b) the Priced Activity Schedule in Section IV;
- c) the Specifications and Compliance Sheet in Section V; and
- d) any other attachment as deemed appropriate

You are advised to carefully read the complete Request for Quotations document, including the Special Conditions of Contract in Section VII, before preparing your Quotation. The standard forms in this document may be retyped for completion but the Bidder is responsible for their accurate reproduction.

### **3. Validity of Quotations**

The quotation validity period shall be **180 working days** from the date of bid submission deadline.

### **4. Eligibility Criteria**

To be eligible to participate in this Quotation exercise, you should:

- have a valid certified copy of company Registration Certificate;
- have an original or valid certified copy of good Standing Tax Certificate;
- have an original or valid certified copy of good Standing Social Security Certificate;
- have a valid certified copy of Affirmative Action Compliance Certificate, proof from Employment Equity Commissioner that bidder is not a relevant employer, or exemption issued in terms of Section 42 of the Affirmative Action Act, 1998;
- have a valid certified copy of certificate indicating SME Status (for Bids reserved for SMEs);
- submit signed bid securing declaration;
- an undertaking on the part of the Bidder that the salaries and wages payable to its personnel in respect of this proposal are compliant to the relevant laws, Remuneration Order and Award, where applicable and that it will abide to sub-clause 4.6 of the General Conditions of the Contract if it is awarded the contract or part thereof;

- Attach **two completion certificates** of completed works of similar nature and complexity equivalent to proposed works.

**5. Bid Securing Declaration**

Bidders are required to subscribe to a Bid Securing Declaration for this procurement process.

**6. Works Completion Period**

The completion period for works shall be 90 working days after acceptance and issue of Purchase Order. Deviation in completion period shall not be accepted.

**7. Sealing and Marking of Quotations**

Quotations should be sealed in a single envelope, clearly marked with the Procurement Reference Number, addressed to the Public Entity with the Bidder's name at the back of the envelope.

**8. Submission of Quotations**

Quotations should be deposited in the Quotation/Bid Box located at P/Bag 502 Opuwo Kunene Regional Council, Mbumbijazo Muharukua Street, Opuwo or forwarded by fax 065-273077, not later than **18 February 2026 at 11h00 AM. Quotations by post or hand delivered should reach Kunene Regional Council Mbumbijazo Muharukua Street, P/Bag 502 Opuwo by the same date and time at latest 11h00. Late quotations will be rejected.** Quotations received by e-mail or fax will not be considered.

**9. Opening of Quotations**

Quotations will be opened internally by the Public Entity immediately after the closing time referred to in section 8 above. A record of the Quotation Opening stating the name of the bidders, the amount quoted, the presence or absence of a Bid Security/Bid Securing Declaration, will be posted on the website of the Public Entity and available to any bidder on request within three working days of the Opening.

## Evaluation of Quotations

The Public Entity shall have the right to request for clarifications in writing during evaluation. Offers that are substantially responsive shall be compared on the basis of evaluated cost, subject to Margin of Preference where applicable, to determine the lowest evaluated quotation.

### 10. **Technical Compliance**

The Specifications and Compliance Sheet details the minimum specifications of the works to be carried out. The specifications have to be met, but no credit will be given for exceeding the specifications.

### 11. **Prices and Currency of Payment**

Prices for the execution of works shall be fixed in Namibian Dollars as quoted.

Quotations shall cover all costs of labour, materials, equipment, overheads, profits and all associated costs for performing the works, and shall include all duties. The whole cost of performing the works shall be included in the items stated, and the cost of any incidental works shall be deemed to be included in the prices quoted.

### 12. **Margin of Preference**

12.1 The applicable margins of preference and their application methodology are as follows:

**N/A**

### 13. **Award of Contract**

The Bidder having submitted the lowest evaluated responsive quotation with market related rates and qualified to perform the works shall be selected for award of contract. Award of contract shall be by issue of a Purchase Order/Letter of Acceptance in accordance with terms and conditions contained in Section VI: Contract Agreement and General Conditions of Contract.

### 14. **Performance Security**

A Performance Security in the form of a Bank Guarantee representing 10% of the final contract price shall be. **Not Applicable**

### 15. **Notification of Award and Debriefing**

The Public Entity shall after award of contract promptly inform all unsuccessful bidders in writing of the name and address of the successful bidder and the contract amount and post a notice of award on its website within 7 days. Furthermore, the Public Entity shall attend to all requests for debriefing made in writing within seven days of the unsuccessful bidders being informed of the award.

## **SECTION II: QUOTATION LETTER**

**(to be completed by Bidders)**

*[Complete this form with all the requested details and submit it as the first page of your quotation with the Priced Activity Schedule and documents requested above. A signature and authorisation on this form will confirm that the terms and conditions of the RFQ prevail over any attachments. If your quotation is not authorised, it will be rejected]*

Quotation addressed to: <i>[ name of Public Entity]</i>	<b>Kunene Regional Council</b>
Procurement Reference Number:	<b>W/RFQ/KRC – 06/2025/26</b>
Subject matter of Procurement:	<b>Request for quotations for the installation of water infrastructure at Kunene Rural Development Centre – Ondororundu village in Opuwo Urban constituency, Kunene Region</b>

We offer to execute the Works detailed in the Statement of Requirements, in accordance with the terms and conditions stated in your Request for Request of Quotations referenced above.

We confirm that we are eligible to participate in this Quotation exercise and meet the eligibility criteria specified in Section 1: Instructions to Bidders

We undertake to abide by the Conduct of Bidders and Suppliers as provided under the Public Procurement Act during the procurement process and the execution of any resulting contract.

We have read and understood the content of the Bid Securing Declaration (BSD) attached hereto and subscribe fully to the terms and conditions contained therein. We further understand that this subscription could lead *[forfeiture of the security amount / disqualification on the grounds mentioned in the BDS]*

The validity period of our Quotation is \_\_\_\_\_ working days *[insert number of days]* from the date of the bid submission deadline.

We confirm that the prices quoted in the Priced Activity Schedule are fixed and firm and will not be subject to revision or variation, if we are awarded the contract **prior to the expiry** date of the quotation validity.

Works will commence within \_\_\_\_\_ *[insert number]* working days from date of issue of Purchase Order/ Letter of Acceptance.

Works will be completed within \_\_\_\_\_ *[insert number]* working days from date of issue of Purchase Order/ Letter of acceptance.

**Quotation Authorised by:**

Name of Bidder		Company's Address and seal	
Contact Person			
Name of Person Authorising the Quotation:		Position:	Signature:
Date		Phone No./E-mail	

**BID SECURING DECLARATION**

**(Section 45 of Act)**

**(Regulation 37(1) (b) and 37(5))**

**Date:** [Day\_\_\_\_\_ | month\_\_\_\_\_ | year\_\_\_\_\_]

**Procurement Ref No.: W/RFQ/KRC -**

**To:** .....[insert complete name of Public Entity and address]

I/We\* understand that in terms of section 45 of the Act a public entity must include in the bidding document the requirement for a declaration as an alternative form of bid security.

I/We\* accept that under section 45 of the Act, I/we\* may be suspended or disqualified in the event of

- (a) **a modification or withdrawal of a bid after the deadline for submission of bids during the period of validity;**
- (b) **refusal by a bidder to accept a correction of an error appearing on the face of a bid;**
- (c) **failure to sign a procurement contract in accordance with the terms and conditions set forth in the bidding document, should I/We\* be successful bidder; or**
- (d) **failure to provide security for the performance of the procurement contract if required to do so by the bidding document.**

I/We\* understand this bid securing declaration ceases to be valid if I am/We are\* not the successful Bidder

Signed: .....

[insert signature of person whose name and capacity are shown]

Capacity of:

[indicate legal capacity of person(s) signing the Bid Securing Declaration]

Name: .....

[insert complete name of person signing the Bid Securing Declaration]

Duly authorized to sign the bid for and on behalf of: [insert complete name of Bidder]

Dated on \_\_\_\_\_ day of \_\_\_\_\_

[insert date of signing]

Corporate Seal (where appropriate)

[Note\*: In case of a joint venture, the bid securing declaration must be in the name of all partners to the joint venture that submits the bid.]

***\*delete if not applicable / appropriate***



**Republic Of Namibia**

**Ministry of Labour, Industrial Relations and Employment Creation**

**Written undertaking in terms of section 138 of the Labour Act, 2015 and section 50(2)(D) of the Public Procurement Act, 2015**

**1. EMPLOYERS DETAILS**

Company Trade Name:.....

Registration Number :.....

Vat Number: .....

Industry/Sector: .....

Place of Business:.....

Physical Address:.....

Tell No.:.....

Fax No.:.....

Email Address:.....

Postal Address:.....

Full name of Owner/Accounting Officer:.....

.....

Email Address:.....

**2. PROCUREMENT DETAILS**

Procurement Reference No.:... ..

Procurement Description: .....

.....

.....

Anticipated Contract Duration: .....

Location where work will be done, good/services will be delivered: .....

.....

### 3. UNDERTAKING

I .....*[insert full name]*, owner/representative  
of .....*[insert full name of company]*

hereby undertake in writing that my company will at all relevant times comply fully with the relevant provisions of the Labour Act and the Terms and Conditions of Collective Agreements as applicable.

I am fully aware that failure to abide to such shall lead to the action as stipulated in section 138 of the labour Act, 2007, which include but not limited to the cancellation of the contract/licence/grant/permit or concession.

**Signature:** .....

**Date:** .....

**Seal:**.....

*Please take note:*

*1.A labour inspector may conduct unannounced inspections to assess the level of compliance*

*2.This undertaking must be displayed at the workplace where it will be readily accessible and visible by the employees rendering service(s) in relations to the goods and services being procured under this contract.*

## SECTION VI: GENERAL CONDITIONS OF CONTRACT AND CONTRACT AGREEMENT

Any resulting contract shall be placed by means of a Purchase Order/Letter of Acceptance and shall be subject to the General Conditions of Contract (GCC) for the Procurement of Goods (Ref. **W/RFQ-GCC**) available on the website of the Public Entity (*insert website address*) except where modified by the Special Conditions below

### SECTION VIII SPECIAL CONDITIONS OF CONTRACT

Procurement Reference Number: W/RFQ/KRC-06/2025/26

The clause numbers given in the first column correspond to the relevant clause number of the General Conditions of Contract. *[This section is to be customised by the Public Entity to suit the requirements of the specific procurement].*

GCC Clause Reference	Special Conditions
<b>Employer GCC 1.1(r)</b>	<b>KUNENE REGIONAL COUNCIL</b>
<b>Intended Completion Date GCC</b>	The intended completion date is:
<b>Project Manager GCC 1.1(y)</b>	The Project Manager is: <b>Directorate of Water Supply and Sanitation Coordination</b>
<b>Site GCC 1.1(aa)</b>	The Sites are located at <b>Alfa</b> school and is defined in Drawings Nos: <b>Table 1</b>
<b>Start Date GCC 1.1(dd)</b>	The Start Date shall be communicated after the signing of contract agreement
<b>The Works GCC 1.1(hh)</b>	The Works consist of: Supply and installation of water equipments, solar panels, Pipeline, domestic taps and connection of the existing gard house.
<b>Interpretation GCC 2.2</b>	The project will be completed in the following sections:
<b>Interpretation GCC2.3</b>	The following additional documents shall form part of the contract: <b>Bills of Quantities</b>
<b>Language and Law GCC 3.1</b>	The language of the contract is English  The law that applies to the Contract is the law of Namibia.
<b>Project Manager's Decisions 4.1</b>	The Project Manager shall obtain specific approval from the Employer before carrying out any of his duties under the Contract which in the Project Manager's opinion will cause the amount finally due under the

	Contract to exceed the Contract Price or will give entitlement to extension of time. This requirement shall be waived in an emergency affecting safety of personnel or the Works or adjacent property.
<b>Delegation GCC 5.1</b>	The Project Manager <i>may not</i> delegate his/her duties.
<b>Notices GCC 6</b>	Any notice shall be sent to the following addresses: For the Employer, the address shall be as given on the page 2 of this Bidding Document and the contact name shall be <b>Mr. Jose Sachilombo</b> For the Contractor, the address shall be as given on the first page of the Purchase Order/Letter of Acceptance and the contact name shall be
<b>Insurance GCC 13.1</b>	<p>Except for the cover mentioned in (d)(i) hereunder, the other insurance covers shall be in the joint names of the Contractor and the Employer and the minimum insurance amounts shall be:</p> <ul style="list-style-type: none"> <li>(a) for the Works, Plant and Materials: (<i>for the full amount of the works including removal of debris, professional fee etc...</i>)</li> <li>(b) for loss or damage to Equipment: (<i>for the replacement value of the equipment that the contractor intends to use on site until the taking over by the Employer.</i>)</li> <li>(c) for loss or damage to property (except the Works, Plant, Materials, and Equipment) in connection with Contract <i>for an amount representing the value of the properties that are exposed to the action of the contractor in the execution of the works. It will extend to the property of the Procuring Entity as well).</i></li> <li>(d) for personal injury or death: <ul style="list-style-type: none"> <li>(i) of the Contractor's employees: <i>[The Contractor shall take an adequate insurance cover for its employees for any claim arising in the execution of the works].</i></li> <li>(ii) of other people: <i>[This cover shall be for an adequate amount for Third Party extended to the Employer and its representatives].</i></li> </ul> </li> <li>(e) for loss or damage to materials on-site and for which payment have been included in the Interim Payment Certificate, where applicable.</li> </ul> <p>The Contractor shall choose to take the insurance covers indicated above as separate covers or a combination of the Contractor's All Risks coupled with the Employer's liability and First Loss Burglary, after approval of the Employer. All insurance covers shall be of nil or the</p>

	minimum possible deductibles at sole expense of the contractor.
<b>Site Date GCC 14.1</b>	The site Date shall be communicated
<b>Possession of the Site GCC 20.1</b>	The Site Possession Date shall be: Will be communicated
<b>Procedure for Disputes GCC 24</b>	No Adjudicator shall be appointed under the contract and arbitration shall not apply. If any dispute arises between the Employer and the Contractor in connection with or arising out of the Contract, the parties shall seek to resolve any such dispute by amicable agreement. If the parties fail to resolve such dispute by amicable agreement, within 14 days after one party has notified the other in writing of the dispute, then the dispute shall be referred to court by either party.
<b>Program GCC 25.1</b>	The Contractor shall submit for approval a Program for the Works within <b>two</b> working days from the date of the Letter of Acceptance or issue of Purchase Order Agreement.
<b>GCC 25.3</b>	Program updates <i>insert shall</i> be required.
<b>Defects Liability Period GCC 33.1</b>	The Defects Liability Period is: <b>12 months</b> .
<b>Payment Certificates GCC 39.7</b>	The <b>Kunene Regional Council</b> shall choose either: <p>“ A single statement of the estimated value of the work executed shall be submitted on completion of the Works. The Project Manager shall check the statement and certify the amount to be paid to the Contractor”.</p> <p><i>Or:</i></p> <p>“Payment shall be made as per progress of works <i>without</i> payment for materials on site”.</p>
<b>Payments GCC 40</b>	The amount certified by the Project Manager shall be paid in full within 30 days of receipt by the Employer of an invoice, supported by: <p>(a) the payment certificate; and</p> <p>(b) a certificate of Completion of the Works.</p>
<b>Adverse weather Conditions GCC 41.1 (I)</b>	<i>n/a</i>
<b>Price Adjustment GCC 44.</b>	The Contract is not subject to price adjustment.
<b>Retention</b>	10% of the amount shall be retained from any payment. Half of the

<b>GCC 45.</b>	retention money will be released after formal taking over of the Works and the remaining shall be released after the Defect Liability Period subject to the Contractor making good all defects.
<b>Liquidated Damages GCC 46.1</b>	<p>The liquidated damages for the whole of the Works are <b>0.5%</b> per day.</p> <p>The maximum amount of liquidated damages for the whole of the Works is <i>[amount based on a maximum number of days]</i>.</p> <p><i>[Usually liquidated damages are set between 0.05 per cent and 0.10 per cent per day, and the total amount is not to exceed between 5 per cent and 10 per cent of the Contract Price. Alternatively, the daily rate could reflect the actual prejudice that the procuring entity may claim to suffer as direct cost, where applicable or a nominal value taking into consideration the size of the building, nature of construction and the incidence due to non-availability of the building as from the intended completion date. If Sectional Completion and Damages per Section have been agreed, the latter should be specified here.]</i></p>
<b>Bonus GCC 47.1</b>	The rate for the Bonus per calendar day is: N/A
<b>Advance Payment GCC 48.1</b>	No advance payment shall be made
<b>Performance Security GCC 49.1</b>	No Performance Security is required
<b>GCC 56.1</b>	“As built” drawings or operating and maintenance manuals are not required.
<b>GCC 59.1</b>	The percentage to apply to the value of the work not completed, representing the Employer’s additional cost for completing the Works, is: <i>[insert percentage]</i>

## TECHNICAL SPECIFICATIONS AND PERFORMANCE REQUIREMENTS

### 1. GENERAL REQUIREMENTS

All equipment and material to be utilized for the execution of the works shall be of a proven high quality. Components manufactured out of steel, shall be thoroughly de-scaled, sandblasted, cleaned and corrosion protected as specified.

### 2. PRESSURE RATINGS

All equipment i.e. valves, water meters, piping, fittings, etc. shall comply with the specified working pressures.

### 3. SPARES

All spares for equipment utilized in the execution of the works shall be readily available.

### 4. FLOAT VALVES

Float valves shall have a pressure rating of 14 bar.

### 5. SEALING MATERIAL

The sealing of existing steel or concrete constructed water bearing structures (reservoirs and troughs) shall be done with an approved sealing system (sealing liquid, membrane and cement), mixed and applied strictly in accordance with the manufacturer's directions. Sealing systems of inferior quality will not be acceptable.

**Bidder is advised to communicate with the Inspector in this regard.**

### 6. STOCK WATERING TROUGHS

#### Steel Troughs

Troughs shall be manufactured from three (3) millimetres mild steel sheeting. All welds are to be rounded off to a clean and smooth surface. The internal bottom and sides up to the bent lip of the trough shall be sandblasted and painted with Zinga Galvanized Film. The surface preparation and painting shall strictly be in accordance with the manufacturer's specification. The surface preparation for the outside of the trough shall be similar to that for the interior, but the paint specification shall be as per the design specification. Troughs shall be installed level (horizontally).

#### Polyethylene Troughs

Troughs shall be manufactured from virgin, low density polyethylene, grade 105/06 material, UV-stabilized, for outdoor use as provided by AECI and beige in colour. The overall length of the trough shall be 5 meter. The emblem of the Department of Water Affairs shall be embossed in relief on the outside of the trough, 250 millimetres high. The mass of a five meter trough shall be 60 kilogram (minimum). The mass is to be engraved in 30 millimetres lettering size on the outside of the trough. The interconnection between the two halves shall be 100 millimetres. NB. The trough shall carry a five year guarantee against defects in workmanship, manufacture and material. A matching valve cover is to be provided if/when it is required to install a float valve. Installation is to be done in accordance with the design specification.

#### Concrete

Installation is to be done in accordance with the design specification.

### 7. DOMESTIC WATER TANKS

Tanks shall be manufactured from virgin, low density polyethylene, grade 105/06 material, which is UV-stabilized for outdoor use as provided by AECI, with fifty (50) millimetres NB (minimum) moulded inlet, outlet, overflow and drainage connections. Provision shall also be made for ventilation. Tanks shall have a black inner lining to minimize light penetration. Tanks shall be provided with a suitably sized manhole and lid to allow easy access to the tank. The lid shall be attached to the tank with a corrosion resistant, metal chain. The lid

shall be firmly mounted to the tank with stainless steel screws. The colour of the tanks shall be beige.

**Tanks shall be provided with a 250 millimetre high emblem of the Department of Water Affairs embossed in relief on the outside of the tank.**

Tanks shall have a minimum mass as follows (which information shall be engraved on the outside of the tank in the vicinity of the embossed emblem):

- **Ten cubic meters: 300 kilogram**

Tanks shall be suitable for vertical installation. Tanks shall carry a five year guarantee against defects in workmanship, manufacture and material. Tanks shall be filled with water after erection to check for leaks. Leaking tanks shall be replaced at the expense of the Bidders. After the tank(s) has been certified as drop tight, it shall be cleaned out thoroughly and sterilized.

#### 8. GROUND LEVEL RESERVOIRS

Reservoirs are to be constructed strictly in accordance with the relevant design drawings. Special care shall be given to the following:

Steel: Reservoirs shall be manufactured from 1.2 mm galvanized corrugated steel sheeting. A 25 mm x 2 mm hoop iron ring shall be fitted to the top edge of the reservoir, such that the top edge of the sheets is knurled down over the hoop iron to  $\pm 25$  mm. Sheet joints are to be riveted with galvanized steel rivets. All seams are to be soldered. Floor to wall sealing to be done with an approved sealing system, incorporating a membrane.

Concrete: Refer to the relevant design.

#### 9. RISING MAIN

Galvanized rising columns shall be supplied in three (3) meter lengths, screwed and socketed, conforming to SABS 62. Sizing of the drive shafts and related items like bearings and stabilizers are to be selected in terms of the pump manufacturer's specification to suit the selected column and borehole casing sizes. A 25 millimetres NB LDPE sleeve pipe shall be installed with the rising column, strapped with plastic strapping at three (3) meter intervals. The bottom end of the sleeve shall be plugged and it shall coincide with the level of the pump inlet. The bottom 300 millimetres of the sleeve shall be perforated to allow an unrestricted inlet of water for level monitoring purposes. Care shall be taken during the installation of the sleeve that an unobstructed access is provided for a nineteen millimetres diameter x two hundred and fifty millimetres long (19mm  $\varnothing$  x 250mm L) depth probe.

#### 10. VALVES/TAPS FOR TANKS, RESERVOIRS AND DOMESTIC TAP STANDS

Valves at the outlet of domestic tanks and reservoirs, shall for durability purposes, be of the diaphragm type (Saunders or equivalent). Taps for domestic use at supply points shall be of the brass bibcock type.

#### 11. DATA/INFORMATION AND BOREHOLE NUMBER PLATES

All newly installed or rehabilitated boreholes, shall be equipped with data/information plates, stating the following:

**(Note: The Bidder is responsible for the correctness of the information on the data plate, which shall also be incorporated in the completion report as prescribed in items 2.24 and 12)**

**Borehole Number: Water Point Number:**

**Total Borehole Depth (m): Pump Element:**

**Borehole Diameter (mm): Installation Depth (m):**

**Pump Water Level (m): Design Capacity (m<sup>3</sup>/hr):**

**Rest Water Level (m): Installation Date:**

**Contractor:**

The size of the plate shall be 210mm x 110mm and it shall be manufactured from black anodized aluminium. Lettering size to be 5mm. The data/information plate is to be riveted to the outside of the toolbox lid for diesel-driven installations and on the inside of one of the legs of the windmill for wind-driven installations at approximately eye level. A water point number plate, 300mm x 75mm with 50mm lettering, manufactured from black anodized aluminium, shall be riveted to the centre of the outside top member of the pump house door frame or to a windmill leg where applicable.

## 12. CONCRETE FOUNDATIONS, SLABS AND PLINTHS

All concrete work from the bottom of the excavation up, to be fully boxed, utilizing wood or steel shuttering. This requirement is of particular importance in soft soils or where there is a danger of erosion. All concrete shall reach a minimum hardness of **25Mpa** after twenty eight (28) days of casting.

## 13 CURING OF CONCRETE WORK

All concrete work is to be allowed a minimum curing period as follows:

- Twenty four (24) hours before any light access is allowed
- Three (3) days before any installation work is allowed
- Seven (7) days before commissioning of equipment is allowed
- Reservoirs shall be filled with water to a level of 200mm above floor level, twelve (12) hours after casting of the floor.
- Complete filling of the reservoir shall be done seven (7) days after the completion of the reservoir.

## 14. CONCRETE HARDNESS TESTING

All concrete structures (foundations, slabs, plinths, etc.) will be subject to non-destructive impact tests utilizing the C 181 N concrete hammer.

## 15. REINFORCING STEEL

The Bidders shall ensure that all joints in the preparation of steel reinforcing overlap by a minimum of 300mm.

## 16. EARTH WORKS

The tender is to be based on the following definition of soil conditions as and where applicable:

- Soft excavation

Soft excavation, other than in restricted excavation, shall be excavation in material that can be efficiently removed or loaded, without prior ripping by any plant such as a bulldozer, tractor scraper or a tractor type front end loader. In the case of restricted excavation, soft

excavation shall be excavated in material that can be sufficiently removed by a back-acting excavator, without the use of pneumatic tools such as paving breakers.

- Hard Rock excavation

Hard rock excavation, other than in restricted excavation, shall be excavation (excluding boulder excavation) in material that cannot be efficiently removed or loaded without prior ripping by any plant such as a bulldozer, tractor scraper or a tractor type front end loader.

In the case of restricted excavation, hard rock excavation shall be excavation in material (excluding boulder excavation) that cannot be efficiently removed without blasting or without wedging and splitting.

- Boulder excavation Class A

Boulder excavation Class A shall be excavation in material containing more than 40 % by volume of boulders of size in the range 0.03 -20m<sup>3</sup> in a matrix of soft material or small boulders.

Excavation in dolomite formations, other than solid dolomite, will be classed as boulder excavation Class A if the formation contains more than 40% by volume of lumps of hard dolomite of size in the range 0.03 -20m<sup>3</sup> in a matrix of soft material or small lumps of hard dolomite.

Excavation of fissured or fractured rock will not be classed as boulder excavation, but as hard rock or intermediate excavation according to the nature of the material.

## 17. CORROSION PROTECTION OF UNDERGROUND STEEL COMPONENTS

**All underground steel pipes, fittings and other steel components shall be Denso wrapped in accordance with the manufacturer's directives.**

## 18. PIPELINE COVER

Pipelines installed underground shall have a top cover as follows:

- Steel pipelines: 200mm
- Polyethylene and PVC pipelines: 500mm

## 19. WATER METERS

A suitably sized/selected water meter shall be installed on the discharge pipe work of all borehole installations. The installation shall be done in accordance with the relevant design layouts as for windmill and diesel powered installations (whichever is applicable). The meter shall be of the volumetric, dry dial type and of proven quality and accuracy.

## 20. FUEL SUPPLY LINES FOR DIESEL ENGINES

Fuel lines are to be of high quality, flexible, diesel fuel resistant material. Connections are to be drop tight. The use of reinforced plastic hose is not acceptable for this application

### 1. SUMMARY OF PROJECT (SCOPE AND PRICES) W/RFQ/KRC

JOB NO.	NAME OF SETTLEMENT/WATER POINT	AMOUNT (N\$)
1	ALFA	
<b>Sub-total (Excluding VAT)</b>		<b>N\$</b>

<b>VAT 15%</b>	<b>N\$</b>
<b>Total (Including VAT)</b>	<b>N\$</b>

.....  
**BIDDER'S SIGNATURE**

.....  
**NAME OF COMPANY**

.....  
**DATE**



**DIRECTORATE OF WATER SUPPLY AND SANITATION  
COORDINATION**

**New solar photovoltaic (PV) system installation complete with 2m tank stand for Three tanks, three domestic water tanks, and one domestic two taps and tap stand. Location 25 km from Opuwo. The condition of the road is 15 km of bitumen and 2 km of gravel. Installation depth 120m**

TENDER SPECIFICATIONS/SCHEDULE OF QUANTITIES/PRICE				Water Point Number		Region	
						Kunene	
Location Name		<b>Ondororundu</b>		GPS Reading			
Distance from nearest Centre		<b>32 Km from Opuwo</b>		Condition of Road		bitumen/Gravel	
<b>Borehole/Well</b>							
WW Number		Borehole Depth		Number of Pipes		Casing Diameter	
		150m		HDPE, 120m		165mm	
Installation Depth		Rest Water Level		Pump Water Level		Pumping Yield	
120m		<b>21.8m</b>				<b>3 m<sup>3</sup>/Hr</b>	
<b>New Equipment</b>							
Type Equipment		<b>Solar</b>			<b>Pump</b>		
Manufacturer/Model		KA60 Solar Modules/Sunset solar/similar			SQF 3-105		

Item No	Brief Description of Works	Unit of Measure	Quantity	Unit Price N\$	Total Price N\$
A*	B*	C*	D*	E	F
<b>1</b>	<b>SITE ESTABLISHMENT</b>				
1.1	site establishment: According to SABS 1200 AA 1986	Sum	1		
1.2	Transport of material to site plus additional transport of miscellaneous item (Transport Rate (excluding VAT) <b>Specify Tonnage of transporter(s):</b>				
1.2.1	Ton @	Km	25		
1.2.2	Ton @	Km	25		
1.2.3	Ton @	km	25		
1.3	Temporary domestic water supply	m <sup>3</sup>	10		

	during construction period				
	<b>SUBTOTAL 1</b>				
<b>2</b>	<b>Borehole: Supply all material and construct new borehole block complete with base plate. Base plate to be welded on the borehole steel casing. Refer to drawing number 21/1-4/34R5, 21/1-4/72R1</b>				
<b>2.1</b>	<b>Labour charges (excl. VAT) Including hard rock excavation</b>				
2.1.1	Artisan	hrs			
2.1.2	Skilled Labour	hrs			
2.1.3	Unskilled Labour	hrs			
2.2	Concrete (concrete class 25MPa), First layer: 800mmx800mmx500mm, with 19mm aggregated stones). Second layer: 1200mmx1200mmx500mm with 19mm aggregated stones Third layer: 500mmx500mmx700mm with 19mm aggregated stones.  Concrete complete with 40mmx40mmx5 angle iron edging on all corners at 1200mm x 1200mm x 500mm deep (300mm below natural ground level and 200mm above ground hedge).	m <sup>3</sup>	1.4		
2.3	Reinforcement steel y10 and mesh as per attached bending schedule.	Sum	1		
2.4	Borehole base plate assembly as per drawing no. 21/1-4/73R8, mild steel 500mmx500mmx16mm	No	1		
2.5	50mm Ø GMS discharge pipe work complete	Sum	1		
2.6	None Return Valve	No	1		
2.7	GMS union 50mmØ	No	1		
2.8	Borehole adaptor plate 300mmx300mmx16mm to suit Solar installation as per drawing no. 21/1- 4/73 R8	No	1		
2.9	Borehole cage, fitting to the outside of the baseplate, welded with mild steel plates to conceal the inside content and additional angle irons for security and theft prevention. Including lockable Padlock	No	1		
2.10	Borehole Depth meter 50mm long nipple.	No	1		
	<b>SUBTOTAL 2</b>				
<b>3</b>	<b>Solar: Supply all material and install a new pump complete with electric cables, stainless rope (for pump safety), control box, solar panels, solar panel stand and solar panels frame to pump at least 3 metre cubic per hour at 120m water head (Note: The power required should be 2.3kW). Submersible pump should be compatible for alternating current (AC).</b>				
3.1	<b>Labour charges (excl. VAT)</b>				

	<b>Including hard rock excavation</b>				
3.1.1	Artisan	hrs			
3.1.2	Skilled Labour	hrs			
3.1.3	Unskilled Labour	hrs			
3.2	Manufacture 3m high solar stand complete with base plate (200mmx200mmx8mm thick) with 200mmx16mm anchors) and solar frame (note use 3mmx100mm square tubing or 3mmx100mm round tube Mild steel, pipes for legs). Solar should slide in a welded frame for security reasons. Refer to attached drawings No. <b>17022-C-100</b>	No	1		
3.3	Concrete blocks for stand (2x700mmx700mmx700mm), with 19mm aggregated stones, class 25MPa.	m <sup>3</sup>	0.8		
3.4	Anchor concrete blocks 200mmx200x300mm, with 19mm aggregated stones, class 25MPa	m <sup>3</sup>	0.1		
3.5	Control box lockable	No	1		
3.6	Solar panels to suit power required Max 2.0KW	Sum	1		
3.7	Change over switch, to accommodate a power generator, lockable with Ingress protection.	No	1		
3.8	Aquaverm- Submersible electrical cable 4mm <sup>2</sup> 4core, suitable for current drawn down and voltage drop. Cable should be protected against with UV resistant sleeve above ground	m	130		
3.9	Electrical cable sleeve for the protection of the cable. Complete with terminal sockets.	Sum	1		
3.10	Ski rope for pump security- 10mm nylon.	m	120		
3.11	Eye bolt for the connection of the Ski rope, bolted into the base plate top as per drawing no. 21/1-4/73 R7.	No	1		
3.12	32mm HDPE Class 10	m	120		
3.13	25mm HDPE Class 10 (depth meter inspection pipe)	m	120		
3.14	<b>Solar Pump:</b> Stainless steel, dry running protection, over and under voltage protection, overloading protection, power input 2.3kW, Rated Voltage AC 90-240V, Rated Voltage DC 100-300V, Rated current 12.5 A, Rated speed 10700 rpm, built in motor protection, built in non-return valve, built in water level sensor, diameter 76mm, pumping 3m <sup>3</sup> /h at the Total Head of 120m depth.	No	1		
3.15	Splicing kit/electrical termination kit, Scotch cast 2.5mm <sup>2</sup> – 4mm <sup>2</sup> 4core complete	No	1		
3.16	Cable ties	Sum	1		
3.17	All required GMS fittings, Accessories	Sum	1		

	and any other additional required items. (All inclusive)				
	<b>SUBTOTAL 3</b>				
<b>4</b>	<b>Tank Stands: Supply all materials and install 3x2m stand for 3x10m<sup>3</sup> tanks complete with concrete foundation as per drawing no. 21/1-4/54R1</b>				
<b>4.1</b>	<b>Labour charges (excl. VAT) Including hard rock excavation</b>				
4.1.1	Artisan	hrs			
4.1.2	Skilled Labour	hrs			
4.1.3	Unskilled Labour	hrs			
4.2	Concrete Grade 25MPa a strength, with 19mm aggregated stones, Base plate to be done in accordance to the sandy areas of the design, 200mm concrete base cast together as one. See drawing 21/1-4/65 R8	m <sup>3</sup>	4.2		
4.3	Concrete test cubes (7days and 28 days) Note: minimum of 6 cubes 3 for 7days and 3 for 28 days. Average of the 25Mpa. The cubes should be properly labelled that is structure element name and project (village)	Sun	1		
4.4	2m stand for 3x10m <sup>3</sup> tanks as per drawing no. 21/1-4/65 R8. Cross members to be 40mmx40mmx3 angle irons and 40mmx5mm flat bars on each side.	No	3		
4.5	Fit data and borehole information plate (210mm x 110mm), manufactured from black anodized aluminium. Letter size to be 5mm.	No	1		
4.6	Base Plate 150x150x8mm, Complete with u-shaped round bar welded to 16mm bolts/thread bar and nuts	Sum	1		
4.7	Steel painting, antirust 1" coat, final coat aluminium industrial paint.	Sum	1		
4.8	Steel painting, final coat aluminium industrial paint.	Sum	1		
	<b>SUBTOTAL 4</b>				
<b>5</b>	<b>Plastic Tanks: Supply all material and install 3 new 10 cubic metres plastic tanks (300kg) on tank stands in parallel, complete with all pipe work, fittings, valves, tank strappings. Refer to drawing no. 21/1-4/66R8. All underground steel pipes, fittings and other steel components shall be Denso wrapped.</b>				
<b>5.1</b>	<b>Labour charges (excl. VAT)</b>				
5.1.1	Artisan	hrs			
5.1.2	Skilled Labour	hrs			
5.1.3	Unskilled Labour	hrs			
5.2	300kg, 12mm thickness, 10 cubic metres tank (engraved with the emblem of water affairs), Made in Namibia. Tank to be inspected before installation.	No	3		
5.3	50mm Ø GMS Inlet pipe work complete with all fittings. The tank to pipework final fitting to be plastic, connecting to the tank. All under	Sum	1		

	ground work to be HDPE fittings.				
5.4	50mm Ø GMS outlet pipe work complete with all fittings	Sum	1		
5.5	Overflow pipe work complete with all fittings (50mm Ø GMS), minimum length of 50m from the tanks.	Sum	1		
5.6	Security brackets for all pipe work	Sum	1		
5.7	50mm Ø Cobra gate valve, no butterfly valves will be accepted.	No	5		
5.8	50mm Ø union	No	5		
5.9	Hold down strapping for tank, 40mmx5mm flat bar mild steel.	No	3		
<b>SUBTOTAL 5</b>					
<b>6</b>	<b>Pipelines: Pipeline from pump to domestic tank on tank stand (300m), from domestic tank to the tap stands (200), from overflow pipe to ground (20m)- Supply all material and install 50mm class 10 HDPE 520m pipeline. Complete with all required compression type fittings and valves</b>				
<b>6.1</b>	<b>Labour charges (excl. VAT) Including hard rock excavation</b>				
6.1.1	Artisan	hrs			
6.1.2	Skilled Labour	hrs			
6.1.3	Unskilled Labour	hrs			
6.2	50mm class 10 HDPE pipe	M	520		
6.3	50mm GSM pipe	Sum	1		
6.4	All required compression type fittings	Sum	1		
6.5	Long Sweep 90 degrees bends Female/Male	No	3		
6.6	All required GMS fittings	Sum	1		
6.7	Pipe work security brackets	Sum	1		
6.8	600-800mm deep trenches	m	520		
6.9	Back-fill trenches	m	520		
<b>SUBTOTAL 6</b>					
<b>7.</b>	<b>Domestic Tap Stand: Supply all material and install Two domestic taps and tap stand complete with GMS pipe work and two taps. Refer to drawing number 21/1-4/43R2</b>				
<b>7.1</b>	<b>Labour charges (excl. VAT)</b>				
7.1.1	Artisan	hrs			
7.1.2	Skilled Labour	hrs			
7.1.3	Unskilled Labour	hrs			
7.2	20mm cobra -taps.	No	2		
7.3	Concrete Grade 25MPa, with 19mm aggregated stones	m <sup>3</sup>	0.3		
7.4	GMS pipe work	sum	1		
7.5	160/110mmØ UPVC pipe 1m	m	1		
7.6	40mm Ø GMS pipe 1m	m	1		
7.7	All required GMS fittings and Additional fittings for to connect water for the existing Gard house	Sum	1		
<b>SUBTOTAL 7</b>					
<b>SUBTOTAL (1-7)</b>					

VAT @ 15 %	
GRAND TOTAL	

*SCHEDULE 3: QUOTATION CHECKLIST SCHEDULE*

**Procurement Reference No.:**

Description	Attached	Not Attached
Priced Activity Schedules		
Specification and Compliance Sheet		
Bid Declaration Security		
Valid certified Company registration Certificate		
Reference letter from Kunene Regional Constituency Councillor		
Valid certified Affirmative Action Compliance Certificate		
Valid certified Good Standing Certificate from Social Security		
Valid certified Good Standing Certificate from Ministry of Finance		
Valid certified SME Certificate		
Two completion certificates		

**Disclaimer:** The list defined above is meant to assist the Bidder in submitting the relevant documents and shall not be a ground for the bidder to justify its non-submission of major documents for its quotation to be responsive. The onus remains on the Bidder to ascertain that it has submitted all the documents that have been requested and are needed for its submission to be complete and responsive.