



**ZIMBABWE NATIONAL WATER AUTHORITY**

# **TENDER DOCUMENT**

FOR THE REHABILITATION OF THE HYDRO-MECHANICALS OF

## **MAZVIKADEI DAM**

**TENDER NUMBER:**

**TENDERER:** .....

**ADDRESS:** .....

.....

.....

**PHONE NO.:** .....

**CLIENT:** Zimbabwe National Water Authority  
Block 4 East Celestial Park  
Borrowdale Road  
Harare

**Zimbabwe National Water Authority**

**INVITATION FOR SUBMISSION OF DOMESTIC COMPETITIVE BIDS**  
**Tender Reference No. ZINWA/WOR/2025/18**

The Zimbabwe National Water Authority is carrying out a rehabilitation of the hydro-mechanicals of Mazvikadei dam. The hydro-mechanical equipment and the outlet works require urgent attention. The repair and maintenance work must therefore start as soon as possible as it is resulting in the disruption of water supplies.

The Zimbabwe National Water Authority, is inviting Tenders from established and experienced contractors who are registered with the Procurement Regulatory Authority of Zimbabwe (PRAZ) in line with the Public Procurement & Disposal of Public Assets (PPDPA) Act and Disposal of Public Assets (General) Regulations (Statutory Instrument No. 5 of 2018) **FOR THE REHABILITATION OF THE HYDRO-MECHANICALS OF MAZVIKADEI DAM:**

Tender Number	Description	Mandatory Site Visit	Closing Date
ZINWA/WOR/2025/18	Tender for the rehabilitation of the hydro-mechanicals of Mazvikadei dam	08 May 2025 @ 1000hrs	30 May 2025 @ 1000hrs

Documents for the above Tender (RFP) are accessible on the Electronic Government Procurement System (EGP)

Tenders must be submitted on line through the electronic government procurement system on the given websites <https://egp.praz.org.zw> . No hard copies shall be accepted by ZINWA.

## FORM OF TENDER

### REHABILITATION OF THE HYDRO-MECHANICALS OF MAZVIKADEI DAM

(Note: The Appendix to Bid form part of this Tender)

{Note to Bidders: Complete this form with all the requested details and submit it as the first page of your Bid. Attach the completed Statement of Requirements and any other documents requested in Part 1. Ensure that your Bid is authorized in the signature block below. A signature and authorization on this form will confirm that the terms and conditions of this Bid prevail over any attachments. If your Bid is not authorized, it may be rejected. If the Bidder is a Joint Venture (JV), the Bid must be signed by an authorized representative of the JV on behalf of the JV, and so as to be legally binding on all the members as evidenced by a power of attorney signed by their legally authorized representatives.

Bidders must mark as “CONFIDENTIAL” information in their Bids which is confidential to their business. This may include proprietary information, trade secrets or commercial or financially sensitive information}.

Procurement Reference Number: .....

Subject of Procurement: .....

Name of Bidder: .....

Bidder's Reference Number: .....

Date of Bid: .....

To: **The Chief Executive Officer**  
Zimbabwe National Water Authority  
Private Bag 617  
CAUSEWAY  
ZIMBABWE

Dear Sir,

Having examined the Conditions of Contract, Specifications, Bill of Quantities, Drawings, and Site Data for the above-named Works, we offer to: repair, complete and maintain the whole of the said Works in conformity with the said Conditions of Contract, Specifications, Bill of Quantities, Drawings and Site Data for the sum of:

.....

.....

US\$.....)

Or such other Sum as may be ascertained in accordance with the said Conditions.

**The validity period of our bid is: ..... days from the date of submission.**

We note that in the event of contradiction the order of precedence shall be as stated. We acknowledge that the Appendix forms part of our Tender. In the event of there being an error of extension or addition in the priced Bill of Quantities we agree to their being corrected, the rates being taken as correct. We undertake to complete and deliver the whole of the Works comprised in the Contract within the time stated in the Appendix hereto. If our Tender is accepted, we will within the time stated, provide two good and sufficient sureties or obtain the guarantee of a Bank or Insurance or other Registered Company (to be approved in either case by you) to be jointly and severally bound with us in a sum not exceeding ten per centum (10%) of the above named Sum for the due performance of the Contract under the terms and conditions of the Bond/Deed of Suretyship in the form annexed to the General Conditions of Contract. Unless and until a formal agreement is prepared and executed, this Tender together with the written acceptance thereof by yourself or the Engineer acting on your behalf shall constitute a binding Contract between us. ***We understand that you are not bound to accept the lowest or any tender you may receive.***

We confirm that we meet the eligibility criteria specified in Part 1: Procedures of Bidding. We declare that we are not debarred from bidding and that the documents we submit are true and correct.

We confirm that the prices quoted in the attached Price Schedule are fixed and firm for the duration of the validity period and will not be subject to revision, variation, or adjustment.

**Bid Authorised by:**

**Signature:** .....

**Name:** .....

**Position:** .....

**Date:** .....(DD/MM/YY)

**Authorized for and on behalf of:**

**Company:** .....

**Address:** .....

.....

**TENDER SECURITY FORM  
(BANK GUARANTEE)**

*(The Tenderer shall complete either this form of Bank Guarantee or may provide another security acceptable to the Employer.)*

WHEREAS ..... (Hereinafter called 'the Tenderer')  
has submitted his/her Tender dated .....for the  
execution of the HYDROMECHANICAL REHABILITATION OF MAZVIKADEI  
DAM OUTLET WORKS (hereinafter called 'the Tender').

KNOW ALL PEOPLE by these presents that We  
.....[name of Bank] of  
..... [name of country] having our registered  
office at .....  
[address]

(hereinafter called 'the Bank') are bound unto the ZIMBABWE NATIONAL WATER  
AUTHORITY (hereinafter called 'the Employer') in the sum  
of.....  
.....  
.....United States Dollars[amount in words  
and figures]

for which payment will and truly to be made to the said Employer the Bank binds  
himself, his successors, and assigns by these presents.

SEALED with the Common Seal of the said Bank this ..... day  
of.....20\_\_\_.

THE CONDITIONS of these obligations are:

1. if the Tenderer withdraws his Tender during the period of Tender validity specified in the Form of Tender; or
2. if the Tenderer refuses to accept the correction of errors in his Tender; or
3. if the Tenderer, having been notified of the acceptance of his Tender by the Employer during the period of Tender validity.
  - (a) fails or refuses to execute the Form of Agreement in accordance with the Instructions to Tenderers, if required; or
  - (b) fails or refuses to furnish the Performance Security, in accordance with the Instructions to Tenderers; we undertake to pay the Employer up to the above amount upon receipt of his first written demand, without the Employer having to substantiate his demand, provided that in his demand the Employer will note that the amount claimed by him is due to him owing to the occurrence of one or both two conditions, specifying the occurred condition or conditions.
  - (c) This guarantee will remain in force up to and including the date 28 days after the date of expiration of the Tender validity, as stated in the Instructions to Tenderers, or as it may be extended by the Employer,

notice of which extension(s) to the Bank is hereby waived. Any demand in respect of this Guarantee should reach the Bank not later than the above date.

\_\_\_\_\_  
DATE

\_\_\_\_\_  
SIGNATURE OF THE BANK

WITNESS\_\_\_\_\_

SEAL\_\_\_\_\_

\_\_\_\_\_  
*[signature, name and address].*

## REHABILITATION OF THE HYDRO-MECHANICALS OF MAZVIKADEI DAM

### FORM OF AGREEMENT

**THIS AGREEMENT** made on the ..... day of ..... of the year between

.....

in his/her capacity as THE CHIEF EXECUTIVE OFFICER for and on behalf of: -

**THE ZIMBABWE NATIONAL WATER AUTHORITY**  
(hereinafter called " the Employer") of the one part; and

.....

In Harare, Zimbabwe, herein represented by ..... in his/her capacity

as ....., he/she being duly authorized thereto (hereinafter called "the Contractor") of the other part.

**WITNESSETH;**

**WHEREAS** the Employer is desirous that certain Works shall be constructed viz. "the Rehabilitation of the hydro-mechanicals of Mazvikadei dam", more fully described in the Specifications, Bill of Quantities, Drawings and Site Data forming part of this Contract, and has accepted a Tender by the Contractor for the execution and completion of such Works and the remedying of any defects therein.

**NOW THIS AGREEMENT WITNESSETH** as follows:

1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the General Conditions of Contract hereinafter referred to.
2. The following documents shall be deemed to form and be read and construed as part of this Agreement, viz:
  - (a) The said Tender
  - (b) The General and any Special Conditions of Contract
  - (c) The Specification
  - (d) The priced Bill of Quantities
  - (e) The Schedule of Basic Rates and Prices
  - (f) The Drawings
  - (g) The Letter of Acceptance and other letters, copies of which are annexed to this Agreement.
  - (h) The Main Contract

3. In consideration of the payments to be made by the Employer to the Contractor as hereinafter mentioned the Contractor agrees with the Employer to construct complete and maintain the Works in conformity in all respects with the provisions of the Contract.
4. The employer hereby agrees to pay to the Contractor in consideration of the construction, completion, and maintenance of the Works the Contract Price of:

.....  
...

.....  
...

**United States Dollars and ..... Cents**

**(US\$.....)**

at the times and in the manner prescribed by the Contract.

**IN WITNESS** whereof the parties hereto have set their hands and seals (if any) in the presence of the subscribing witnesses in accordance with the law of Zimbabwe.

At HARARE for and on behalf of the **EMPLOYER** on this..... day of .....

SIGNED by the said  
.....

SIGNED: .....  
for **ZIMBABWE NATIONAL WATER AUTHORITY**

In the presence of WITNESSES:

1. ....  
Signature Name Block Capitals
2. ....  
Signature Name Block Capitals

At HARARE for and on behalf of the **CONTRACTOR** on this ..... day  
of.....

SIGNED by the  
said.....  
...



SIGNED: .....  
for the **CONTRACTOR**

In the presence of WITNESSES:

1. ....  
Signature Name Block Capitals
2. ....  
Signature Name Block Capitals

**APPENDIX TO BID**

**NOTE:** Bidders should fill in all the appropriate blank spaces. Bidders are required to sign each page of the Appendix to Bid.

<b>Item</b>	<b>Conditions of Contract Sub-Clause</b>	<b>Appendices</b>
Definitions	1.1.2.2	The Employer is <b>The Zimbabwe National Water Authority</b>
	1.1.2.4	The Engineer is <b>The Chief Executive Officer of The Zimbabwe National Water Authority (ZINWA)</b>
Language and Law	1.4	The Language is <b>English</b> The Law in force is that of <b>The Republic of Zimbabwe.</b>
Performance Security	4.2	The performance security will be in the form of a <b>Bank Guarantee</b> in the amount(s) of five <b>(05) percent of the Contract Price.</b>
Program to Be Submitted	8.3	<b>Within seven (07) Days of signing the Contract</b>
Country of the Employer	1.1.6.2	The country of the Employer is <b>The Republic of Zimbabwe.</b>
Minimum amount of Third-Party Insurance.	18.3	<b>Ten Thousand United States Dollars (US\$10 000 per occurrence, with the number of occurrences unlimited) or the equivalent in ZWL\$ at the prevailing official rate.</b>
Time for Issue of the Notice to Commencement	8.1	<b>Fourteen (14) Days.</b>
Date of Completion	1.1.3.3	2 months from commencement of works
Amount of Liquidated damages	2.5	<b>One Thousand United States Dollars (US\$1000) per day.</b>
Limit of Liquidated damages	2.5	Five (5) percent of the final Contract Price.
Defects Liability Period	11.1	<b>Three Hundred and sixty-five (365) days.</b>
Minimum amount of Interim Payment Certificate	14.4	<b>15% of the value of the contract</b>
Retention Money	14.3 (c)	<b>Five (5) percent of Billed Items.</b>
Maximum Amount of Advance Payment	14.2	No advance payment.

Item	Conditions of Contract Sub-Clause	Appendices
Start Repayment of Advance Payment	12.2 (a) and (b)	Not applicable
Number of Copies of Monthly Statement, Statement at Completion and Final Statement	14.3	<b>Three (3)</b>
Procedure for Settlement of Disputes	20	The Procedure for Settlement of Disputes is: <b>Clause 69 of ZGCC4 General Conditions of Contract</b>
Notice to Employer and Engineer	1.3	The Employer's Address is: <b>The Zimbabwe National Water Authority P. O. Box CY 617, Causeway, Harare</b>
Time within which Payment is to be made	14.7	<b>Within 28 days</b> upon receipt of a certified certificate from the Engineer. Engineer to take 7 days to certify Claim from Contractor.
Rate of Interest Upon unpaid Sums	14.8	Commercial Bank Interest Rate Plus 2 percent. (Applicable if Contractor provides <b>proof</b> of borrowing from the bank for purposes of the project)
Rate of Interest Upon unpaid Sums <b>without proof</b> of borrowing from the bank.	14.8	Interest rate afforded to the CLIENT by their banker plus 2 percent.
Profit on labour, materials and equipment applied under dayworks	13.6	<b>15%</b>
Limit of Tender Security		<b>USD \$2500</b>

We bind ourselves thus.

We are, Gentlemen/Ladies.

Yours faithfully

Signature.....on behalf of  
and

duly authorized by

Name.....

Address.....

.....

Signed at..... on the ..... day of .....

Witnesses:

1 .....Address.....

**FORM OF DEED OF SURETYSHIP**

WE, the undersigned,

.....  
of .....

and.....♀  
of .....\*

Do hereby bind ourselves as sureties *in solidum* and co-principal debtors unto and in favor of

.....  
...

of.....

(Hereinafter referred to as “the Contractor”) of all the terms, conditions and stipulations contained in a certain Contract (hereinafter referred to as ‘the Contractor) entered into or about to be entered into between the Contractor and the Employer for the construction of certain Works in accordance with the provisions of the Contract, and for all losses, damages and expenses that may be suffered or incurred by the Employer as a result of non-performance, defective performance or breach by the Contractor of the Contract or any of the terms, conditions or stipulations therein contained, provided that our liability hereunder shall be limited to the sum of

.....  
..... United States Dollars  
(US\$.....)

WE hereby acknowledge that we are fully acquainted with the Contract, with all the terms, conditions and stipulations therein contained and with all annexures thereto, including the Tender, Alterations by Tenderer, Special Conditions, Specifications and Bills of Quantity.

We renounce all benefits from the legal exceptions *ordinis seu excussionis et divisionis, non numerate pecuniae, non causa debiti, errors calculi*, “revision of accounts” and “no value received”, if such might or could be pleaded by the Contractor or by ourselves, with the meaning and effect of which we declare ourselves to be fully acquainted.

AND WE declare it to be a condition of this Deed that the same shall be and remain in full force and effect notwithstanding any variation to or extension of the Contract in accordance with the provisions thereof nor shall any forbearance, granting of

time or latitude by the Employer or the Engineer in respect of any matter or thing release us in any way from any liability hereunder.

THIS Deed shall in all respects be governed by the Law of Zimbabwe and we hereby submit to the jurisdiction of the Courts of Zimbabwe in relation thereto.

WE hereby choose *domicilium citandi et executandi* for the purpose of this Deed at our respective addresses stated above.

AND WE bind ourselves firmly by these presents.

IN WITNESS whereof we have hereunto set our hand

at..... on

this..... day of

.....20.....

in the presence of the under mentioned.

WITNESS:

1

.....

.....

2

.....

IN WITNESS whereof we have hereunto set our hand at

.....on

this..... day of

.....20.....

in the presence of the under mentioned witnesses.

WITNESSES

1

.....

2

.....

Note: ♀ If surety is a Company, authority to sign on its behalf should be attached, or else the seal of the Company affixed in due form.  
\* The physical address and not box number must be inserted here.

### INDEX TO SCHEDULES

SCHEDULE I	CERTIFICATE OF VISIT TO SITE
SCHEDULE II	ALTERATIONS BY THE TENDERER
SCHEDULE III	BASIC RATES AND PRICES FOR PRICE ADJUSTMENT
SCHEDULE IV	MATERIALS DATA SHEET
SCHEDULE V	LIST OF PROPOSED SUB-CONTRACTORS
SCHEDULE VI	LIST OF STAFF AND MANPOWER TO BE EMPLOYED FOR THE EXECUTION OF THE WORK
SCHEDULE VII	MINIMUM PLANT REQUIREMENTS FOR THE WORKS

**SCHEDULE I****CERTIFICATE OF VISIT TO SITE****TENDER FOR REHABILITATION OF THE HYDRO-MECHANICALS OF MAZVIKADEI DAM**

This is to certify that .....

Representing .....

Was present for the mandatory site visit at Mazvikadei Dam on the.....of .....

Signature .....

Witness:

Name .....

Signature .....

ZINWA Official

Name .....

Signature .....



**SCHEDULE II****ALTERATIONS BY THE TENDERER**

Should the Contractor desire to make any departures from or modifications to the General Conditions of Contract, Specifications, Bill of Quantities or Drawings, or to qualify his Tender in any way, they shall set their proposal clearly hereunder, or alternatively state them in a covering letter attached to their Tender and referred to hereunder, failing which the Tender will be deemed to be unqualified.

If no departures or modifications are desired, the schedule hereunder is to be marked "NIL" and signed by the Contractor. If the Bidder returns this schedule unmarked and unsigned the tender shall be automatically disqualified.

<b>PAGE NO.</b>	<b>CLAUSE OR ITEM NO.</b>	<b>DESCRIPTION</b>

Signature of Tenderer: .....

For and on behalf of .....  
(Name of Tenderer)

Date: .....

### SCHEDULE III

#### BASIC RATES AND PRICES FOR PRICE ADJUSTMENT

The Tenderer shall provide in this schedule their base (current) prices of the materials and equipment listed hereunder for price adjustment purposes according to Clause 13.8 (Adjustments for changes in cost) of the FIDIC Red Book of 1999. They shall also obtain and attach to this tender written quotations from suppliers of the materials and equipment listed.

##### (a) Labour

1. Overseers, charge hands	US\$..... per hour
2. Skilled Artisans	US\$..... per hour
3. Semi-skilled artisans	US\$..... per hour
4. Unskilled labour	US\$..... per hour

The Tenderer shall sign in the space provided below to confirm that they understood the conditions of this schedule, completed the required rates, and attached all the relevant quotations. If the Bidder returns this schedule unsigned and/or does not attach quotations and/or does not complete the required rates the tender shall be automatically disqualified.

Attach additional sheets if required.

Signature of Tenderer: .....

For and on behalf of .....  
(Name of Tenderer)

Date: .....

**SCHEDULE IV****MATERIALS DATA SHEET**

The Contractor shall complete this Data Sheet giving details of the various types of materials and suppliers which they propose to use on the Contract and on which they have based their Tender, other than the materials which will be supplied by nominated Sub-contractors.

	<b>DESCRIPTION</b>	<b>TYPE</b> (Where applicable)	<b>MANUFACTURERS/ SUPPLIERS</b>

Attach additional sheets if required.

The Contractor shall source materials required for rehabilitation of the works from reputable locally registered Zimbabwean suppliers, and such material shall fully comply with the specifications. The Contractor shall satisfy himself of the proximity of the specified materials to the site of the works and fully allow for their transportation at the specified rates where relevant. The Employer shall **not** provide foreign currency to the Contractor for purposes of importing materials from outside Zimbabwe.

The Tenderer shall sign in the space provided below to confirm that they understood the conditions of this schedule. If the Bidder returns this schedule unsigned and/or uncompleted the tender shall be automatically disqualified.

Signature of Tenderer: .....

For and on behalf of .....  
(Name of Tenderer)

Date: .....

## SCHEDULE V

### LIST OF PROPOSED SUB-CONTRACTORS

Bidders shall list all the sub-contractors who they intend to employ during execution of the works under this contract and indicate whether ownership of the sub-contractor is Zimbabwean or foreign (evidenced by the company's directorship and registration documents). All sub-contractors to be employed for the project should be Zimbabwean owned except for specialized services or material not available in Zimbabwe. The Bidders must prove beyond doubt that the services for foreign Sub-Contractors are not available in Zimbabwe.

An indication of employment of a foreign sub-contractor by a bidder shall be accompanied with adequate justification to the satisfaction of the Employer. Acceptable justification shall be absence of such service provider or material supplier on the local market. Any indication of the intention to import a sub-contractor without acceptable justification will result in disqualification of the tender.

Regardless of the Bidder's list of proposed sub-contractors, sub-contractors will not be allowed on the Contract without the written permission of the Engineer. The Engineer may withdraw his approval if in his opinion the performance of the Sub-contractor is unsatisfactory.

If the Tenderer does not intend to employ any sub-contractor, the schedule is to be marked "NIL" and signed by the Tenderer.

The Tenderer shall sign in the space provided below to confirm that they understood the conditions of this schedule. If the Bidder returns this schedule unmarked and/or unsigned the tender shall be automatically disqualified.

<b>NAME AND ADDRESS OF PROPOSED SUB- CONTRACTOR</b>	<b>DESCRIPTION OF WORK TO BE UNDERTAKEN BY SUB- CONTRACTOR</b>	<b>COMPANY OWNERSHIP (ZIMBABWEAN OR FOREIGN)</b>

Signature of Tenderer: .....

For and on behalf of .....  
(Name of Tenderer)

Date: .....

**SCHEDULE VI****LIST OF STAFF AND MANPOWER TO BE EMPLOYED FOR THE  
EXECUTION OF THE WORK**

The Contractor shall complete this Data Sheet giving details of the various manpower which he proposes to use on the Contract, other than the staff which will be supplied by nominated Sub-contractors.

The table below gives a list of the minimum personnel expected to be provided by the Contractor on site at any given time. Bidders should add all the other personnel not listed but who will be employed for the project. The Tenderer shall submit curriculum vitae for all the key personnel to be employed for the project and those who are found to misrepresent facts shall be disqualified.

The Tenderer shall sign in the space provided below to indicate that they shall be able to provide the personnel required on site at any given time.

If the Bidder returns this schedule uncompleted and/or unsigned the tender shall be deemed to be in disagreement with the conditions under this schedule and the bid will be automatically disqualified.

POSITION	NUMBER	QUALIFICATION	NAME
<b>A. Supervisory staff</b>			
1. Foreman – pipe fabrications and installations			
<b>B. Artisans</b>			
1. Artisan – fitter			
2. Artisan – Coded Welder			

Signature of Tenderer: .....

For and on behalf of .....  
(Name of Tenderer)

Date: .....

## SCHEDULE VII

### MINIMUM PLANT REQUIREMENTS FOR THE WORKS

The table below gives a list of the minimum plant expected to be provided by the Contractor on site at any given time. Note that the employer may satisfy himself by physically verifying the capacity of the Tenderer by visiting the Tenderer's premises/site to inspect the plant and equipment owned by him and to be employed on the project during tender evaluation. Those who are found to misrepresent facts shall be disqualified.

The Tenderer shall sign in the space provided below to indicate that they shall be able to provide,

- i. the minimum plant required on site at any given time, and
- ii. proof of ownership for the quantity of plant indicated as required to be owned by the Contractor (submitted with the bid).

If the Tenderer returns the schedule unsigned and/or without proof of ownership for plant, it shall be deemed as an indication of inability to provide the minimum plant required that will lead to automatic disqualification of the bid.

<b>Item</b>	<b>Description</b>	<b>Type</b>	<b>Minimum quantity required on site at any given time</b>
1	3 tonne chain block		1
2	Angle grinder		1
3	Mobile welding machine		1

Signature of Tenderer: .....

For and on behalf of .....  
(Name of Tenderer)

Date: .....

## **BIDDING PROCEDURES**

### **References**

The definitions used in the Public Procurement and Disposal of Public Assets Act [*Chapter 22:23*] (“the Act”), the Public Procurement and Disposal of Public Assets (General) Regulations (Statutory Instrument No. 5 of 2018) (“the Regulations”) and the General Conditions of Contract for the Procurement of Non-Consultancy Services apply to this Standard Bidding Document. The Act and the Regulations govern the submission of Bids and should be read by all Bidders.

**Tender Number: ZINWA/WOR/2025/18**

### **Preparation of Bids**

The Bidders are advised to carefully read the complete Bidding Document, as well as the General Conditions of Contract which are available on the Authority’s website, before preparing your Bid. The standard forms in this document may be retyped for completion but the Bidder is responsible for their accurate reproduction. All pages of the Bid must be clearly marked with the Tender Number above.

In preparing their bid, bidders are encouraged to utilize local resources (personnel, plant, and materials) as much as is practicable.

Bids shall include a Table of Contents after the cover page and plastic page dividers should be used to separate different sections of the bid document for ease of finding documents.

### **Number of bids allowed**

No Bidder may submit more than one Bid, either individually or as a joint venture partner in another Bid, except as a subcontractor. A conflict of interest will be deemed to arise if Bids are received from more than one Bidder owned, directly or indirectly, by the same person.

## INSTRUCTIONS TO TENDERERS

### 1.0. SCOPE AND DESCRIPTION OF THE WORKS.

#### a) Preliminary and Temporary Works

Preliminary and temporary works will include the erection and removal of temporary housing and offices for access and transport of materials to enable construction of the permanent works.

#### b) Proposed Works.

The proposed works covered by this Tender document will involve.

1. Mobilization
2. Service of lowering system
3. Coating of pipes with Epoxy
4. To install 900mm butterfly valves
5. Procure and service of hydraulic controls for both sleeve valves
6. Service sleeve valves
7. Repair lighting system
8. Demobilization

#### c) Miscellaneous

This shall include all other work described in this specification or ordered by the Engineer during the course of the contract.

#### d) Material Supplies

The Contractor shall satisfy himself of the proximity of the specified materials to the site of the works and fully allow for their transportation at the specified rates where relevant.

### 2.0. SITE ACCESS

Mazvikadei Dam is on Mukwadzi River, 25km north of Banket at 17 ° 13'14"S 30 ° 23'30" E.

### 3.0. JOINT VENTURES

Tenders submitted by a joint venture of two or more firms, as partners shall comply with the following requirements:

- a. In case of a successful Tender, a Form of Agreement, which is legally binding on all partners, shall be provided,
- b. One of the partners shall be nominated as being in charge; and this authorization shall be evidenced by submitting a power of attorney signed by legally authorized signatories of all the partners,
- c. The partner in charge shall be authorized to incur liabilities and receive instructions for and on behalf of any and all partners of the joint venture and



- the entire execution of the Contract including payment shall be done exclusively with the partner in charge,
- d. All partners of the joint venture shall be liable jointly and severally for the execution of the Contract in accordance with the Contract terms, and a relevant statement to this effect shall be included in the authorization mentioned under (b) above as well as in the Form of Agreement (in case of a successful Tender) and
  - e. A copy of the agreement entered into by the joint venture partners shall be submitted with the Tender.

#### **4.0. COST OF TENDERING**

The Tenderer shall bear all costs associated with the preparation and submission of his tender and the Zimbabwe National Water Authority (ZINWA), hereinafter referred to as 'the Engineer' will in no case be responsible or liable for these costs, regardless of the conduct or outcome of the tendering process.

#### **5.0. SITE VISIT**

The Tenderer is advised that they shall visit and examine the Site of Works and its surroundings and obtain for himself on his own responsibility, all information that may be necessary for preparing the tender and entering into a Contract. The cost of the site visit shall be at the Tenderer's own expense. The site visit is on the 8<sup>th</sup> of May 2025 and the Zinwa representatives will meet the tenderers at Mazvikadei Dam in Mashonaland West Province using the given directions : Mazvikadei Dam is on Mukwadzi River, 25km north of Banket at 17 ° 13'14"S 30 ° 23'30" E.

### **TENDERING DOCUMENT**

#### **6.0. CONTENTS OF TENDERING DOCUMENTS**

The Tenderer is expected to examine carefully all instructions, conditions, forms, terms, specifications, and drawings in the tender document. Failure to comply with the requirements of Tender submission will be at the Tenderer's own risk.

#### **7.0. CLARIFICATION OF TENDERING DOCUMENTS**

**A prospective Tenderer requiring any clarification of the tendering Documents may notify the Engineer in writing on the given address <https://egp.praz.org.zw> no later than 23 May 2025. Any requests for clarification submitted after 1700hrs on 23 May 2025 shall not be responded to.**

**The Engineer will respond in writing by the use of addendums on EGP to any requests for clarification by 27<sup>th</sup> of May 2025.**

Written copies of the Engineer's response (including a description of the inquiry but without identifying its source) will be sent to all prospective Tenderers who have downloaded the Tender Document through the Electronic Government Procurement System [EGP]

## **8.0. AMENDMENT OF TENDERING DOCUMENT**

**8.1.**At any time before the deadline for submission of tenders, the Engineer may, for any reason, whether at their own initiative or in response to a clarification requested by a prospective Tenderer, modify the tendering document by the issuance of an Addendum. The Addendum will be sent by email to all prospective Tenderers who have purchased the Tender Documents and will be binding upon them. Prospective Tenderers shall promptly acknowledge receipt thereof by writing to the Engineer.

**8.2.**In order to afford prospective Tenderers reasonable time in which to take an Addendum into account in preparing their Tenders, the Engineer may, at their discretion, extend deadline for the submission of Tenders.

## **9.0. ELIGIBILITY AND QUALIFICATION REQUIREMENTS**

Bidders are required to meet the criteria in section 28 of the Act to be eligible to participate in public procurement and to be qualified for the proposed contract. They must therefore provide any available documentation and certify their eligibility in the Bid Submission Sheet. Under this criteria please attach Company Documents i.e. CR14, CR6, Valid Tax Clearance, Valid NSSA Compliance Certificate, Certificate of Incorporation, Proof of Registration with PRAZ in the relevant category. To be eligible, Bidders must specify the documentation that is required to demonstrate the criteria listed below:

1. have the legal capacity to enter into a contract, please provide certificate of incorporation and any other documents to prove that they have legal capacity.
2. not be insolvent, in receivership, bankrupt or being wound up, not have had business activities suspended and not be the subject of legal proceedings for any of these circumstances;
3. have fulfilled their obligations to pay taxes and social security contributions in Zimbabwe; (Valid NSSA Compliance Certificate and Valid Tax Clearance Certificate)
4. not have a conflict of interest in relation to this procurement requirement;
5. not be debarred from participation in public procurement under section 72 (6) of the Act and section 74(1) (c), (d) or (e) of the Regulations or declared ineligible under section 99 of the Act;
6. have at least one Director of Zimbabwean nationality (as evidenced by the Directors on the CR 14); and
7. have been registered with the Procurement Regulatory Authority of Zimbabwe as a Supplier and have paid the applicable Supplier Registration Fee set out in Part III of the Fifth Schedule to the Regulations.
8. The Tenderer must have completed the rehabilitation of major hydro-mechanical works on a big dam in the past five (5) years. Bidders must provide 3 reference letters for similar pipe repair and valve installation works. Reference letters shall be on the clients letterhead clearly outlining the works done and period.

In addition to these eligibility requirements, Bidders must demonstrate that they have the qualifications, resources, and experience to perform the contract to satisfactory standards, as indicated in the Statement of Requirements.

Participation in this bidding procedure is open to Zimbabwean bidders (The company is registered in Zimbabwe, and the company has established operations in Zimbabwe.)

## PREPARATION OF TENDER

### 10.0. LANGUAGE OF TENDER

The Tender prepared by the Tenderers and all correspondence and documents relating to the Tender exchanged by the Tenderer, the Employer and the Engineer shall be written in English. Supporting documents and printed literature furnished by the Tenderer, with the Tender, may be in another language provided they are accompanied by an appropriate translation of pertinent passages in English. For the purpose of interpretation of the Tender, the English language shall prevail.

### 11.0. DOCUMENTS COMPRISING THE TENDER

You are requested to bid for the items described in the Statement of Requirements below, by completing, signing and returning the documentation listed below. Bid documents should be compiled and bound in the same order given below

1. A signed **technical proposal submission sheet** to establish that the Works will be carried out in accordance with the required technical specifications and quality standards. **If joint venture is applicable please attach Joint Venture Agreement together with this bid submission sheet on the same slot marked bid submission sheet on egp.**
2. The completed and signed Form of Tender. (The minimum period that the Bidder's bid must remain valid is 90 days from the deadline for the submission of bids)
3. Adequate bid security *or bid bond of USD2500.00 OR Equivalent in Local Currency.*
4. A copy of documentation necessary to demonstrate your eligibility in terms of section 28(1) of the Regulations:
  - a) Valid Certificate of Incorporation,
  - b) Valid tax clearance certificate or VAT registration certificate
  - c) Valid NSSA Compliance Certificate, and
5. Supplier Registration number and documentation showing that you are registered with the Procurement Regulatory Authority of Zimbabwe.
6. Bank statement for at least three months showing that the Bidder has an active bank account and the account is in good standing.
7. Company profile
8. Copy of CR6
9. Copy of CR14
10. List of a minimum of 3 major projects undertaken in the past 5 years and demonstrating experience in similar pipe and valve installation projects. (Please attach

traceable reference letters on a letter head, with contact details, stamped and signed by the client

1. Completed and signed Schedules. The schedules in this tender document are as follows,

i.	Schedule I	-	Site Visit Certificate
ii.	Schedule II	-	Alterations by the tenderer
iii.	Schedule III	-	Basic rates and prices for price adjustment
iv.	Schedule VI	-	Materials data sheet
v.	Schedule V	-	List of proposed sub-contractors
vi.	Schedule VI	-	List of staff and manpower to be employed for the execution of the work
vii.	Schedule VII	-	Minimum plant requirements for the works

## **12.0. TENDER PRICES**

**12.1.** The Tenderer shall fill in rates and prices for all items of Works described in the Bill of Quantities, whether quantities are stated or not. Items against which no rate or price is entered by the Tenderer will not be paid for by the Employer when executed and shall be deemed to be covered in other rates and prices in the Bill of Quantities.

**12.2.** All duties, taxes, and other levies payable by the Contractor under the Contract, or any other cause, as of the date 14 days prior to closing date for submission of Tenders, shall be included in rates and prices and total Tender price submitted by the Tenderer.

**12.3.** The total amount under Preliminary and General items must not exceed twenty percent (20%) of the total contract value.

Any tender with an amount for general items exceeding twenty percent (20%) of the total contract value **will lead to disqualification.**

## **13.0. CURRENCIES OF TENDER, IMPORTATION OF PLANT AND EMPLOYMENT OF FOREIGN NATIONALS.**

The currency of the Tender shall be United States Dollars. The Tender shall be priced in United States Dollars and valuations, quotations and all other costs shall be stated in United States Dollars. **However, during the execution of the Contract, payment, unless otherwise directed by the Client, shall be in ZWG after applying the prevailing Reserve Bank of Zimbabwe exchange rate between the United States Dollar and ZWG.**

Tenderers are advised to contact the Zimbabwe Revenue Authority (ZIMRA) for Information concerning the importation of plant and machinery, customs duties levied and Import tax levied.

Information on the employment of foreign nationals can be obtained from Ministry of Public Service, Labor and Social Welfare.

#### 14.0. VALIDITY OF BIDS

The minimum period that the Bidder's bid must remain valid is **90 days** from the deadline for the submission of bids. **All tenders should state their tender's validity period.**

#### 15.0. SUBMISSION OF BIDS

Bids must be submitted in writing in a sealed envelope to the address below, no later than the date and time of the deadline below. It is the Bidder's responsibility to ensure that they receive a receipt confirming submission of their Bid with correct details of the Bidder and the number of the Bid.

Late bids will be rejected. The Procuring Entity reserves the right to extend the bid submission deadline but will notify all potential bidders who have downloaded the bidding document of the amended bid submission deadline.

Deadline: **30 May 2025** Deadline Time: **10:00 Hrs.**

Submission address: <https://egp.praz.org.zw>

Means of acceptance: on line through the EGP [<https://egp.praz.org.zw>]

(a) Bear the following identification:

#### 16.0. DEADLINE FOR SUBMISSION OF TENDERS

Tenders must be received by the Zimbabwe National Water Authority at the address specified below not later than 30 May 2025 @**10:00 hrs on the tender closing date.**

**Address:** <https://egp.praz.org.zw>

The Employer may, subject to notifying the Procurement Regulatory Authority of Zimbabwe (PRAZ), extend the deadline for the submission of tenders through the issuance of an Amendment in which case all rights and obligations of the Employer and the Tenderers previously subject to the deadline shall thereafter be subject to the new deadline as extended.

#### 17.0. BID OPENING

The Zimbabwe National Water Authority will open the Tenders after the online through the Electronic Government Procurement System

## **18.0. PROCESS TO BE CONFIDENTIAL**

After the public opening of Tenders, information relating to the examination, clarification, evaluation, and comparisons of Tenders and recommendations concerning the award of Contract shall not be disclosed to Tenderers or other persons not officially concerned with such process until the award of Contract is announced.

## **19.0. BRIBERY AND COLLUSION**

Any effort by the Tenderer to influence the Employer in the process of examination, clarification, evaluation, and comparison of Tenders and decisions concerning recommendations of award of Contract shall result in the rejection of the Tenderer's Tender.

## **20.0. WITHDRAWAL, AMENDMENT OR MODIFICATION OF BIDS**

A Bidder may withdraw, substitute, or modify its Bid after it has been submitted online through the EGP system.

- 20.1.** The Tenderer may modify and / or withdraw his Tender after Tender submission, provided that the modification or notice of withdrawal is received in writing by ZINWA prior to the prescribed deadline for submission of Tenders.
- 20.2.** The Tenderer's modification or notice of withdrawal shall be send via the EGP System
- 20.3.** No Tender may be modified after the deadline for submission of Tenders,
- 20.4.** No Tender may be withdrawn in the interval between the deadline for submission of Tenders and the expiration of the Period of Validity specified by the Tenderer on the Tender Form.
- 20.5.** Subsequent to the expiration of the validity of Tenders prescribed by the Employer, a Tenderer who has not been notified by the Employer of the award of the contract may withdraw his tender without penalty.

## **21.0. BID PRICES AND DISCOUNTS**

The prices and discounts quoted by the Bidder in the Bid Submission Form and in the Price Schedules must conform to the requirements specified in the Price Schedule included in Part 2: Statement of Requirements.

## **22.0. BID SECURITY**

The Bidder must include either:

A bid security of USD \$2500 that shall be valid for a period of **90 days** after tender closing date (bidding period). in the following form:

**Option 1, (Certified Bank Cheque)**-A certified bank cheque of **USD \$2500** in the name of the Zimbabwe National Water Authority that should be valid up to **30 August 2025**.

**Option 2, (Bank Guarantee)** - A Bank Guarantee of **USD \$2500** in the name of the Zimbabwe National Water Authority that should be valid up to 30 August 2025.

**Please note:** that the required **Bid Bond** should include the following features in order for it to be **considered valid**: -

- a) **Letter head** of a registered Commercial Bank (i.e. the Supplier of the Bid Bond/Surety).
- b) The **Header** to clearly state that it is a **Bid Security Bond**.
- c) **Purpose** of the **Bid Bond** to be **clearly stated**.
- d) The **date** when the **Common Seal** of the said **Surety** was affected to be **stated**.
- e) **Conditions** of the said **Obligation** to be **stated**.
- f) **The physical address** of the **Surety** to be **stated**.
- g) **The validity period** of the **Bid Bond** to be **clearly stated**.
- h) **Signature of Surety** and the **date** when it was endorsed to be **clearly shown**.
- i) It must be an **original** document and **date stamped**.

**Option 3, (Cash Deposit)** - A Cash Deposit to the Authority PRAZ

If **Option 3** is chosen bidders must pay **USD \$2500** for Bid Security that shall be Refundable at the end of the Bidding period plus another non-refundable **USD \$350** line with Part IV of the Procurement Regulations (S.I. 5 of 2018); or

Any Bid not accompanied by a Bid Security, where this is a requirement of bidding, will be rejected by the Employer as non-responsive.

The Bid Security of a Joint Venture (JV) must be in the name of the JV that submits the Bid. If the JV has not been legally constituted at the time of bidding, the Bid Security must be in the names of all intended partners.

## **23.0. DETERMINATION OF RESPONSIVENESS**

**23.1.** Prior to the detailed evaluation of Tenders, the Employer will determine whether each Tender is substantially responsive to the requirements of the Tender documents.

**23.2.** For the purpose of this Clause, a substantially responsive Tender is one, which conforms to all the terms, conditions, and specifications of the Tender documents without material deviation or reservation.

- 23.3.** A material deviation or reservation is one which affects in any substantial way the price, scope, quality; completion, timing or administration of the Works to be undertaken under the Contract, or which limits in any way, inconsistent with the Tender Document, the Employer's rights or the Tenderer's obligations under the Contract, and the rectification of which would affect unfairly the competitive position of other Tenderers presenting substantially responsive Tenders at reasonable prices.
- 23.4.** If a Tender is not substantially responsive to the requirements of the Tender Documents it will be rejected by the Employer, and may not subsequently be made responsive by the Tenderer by correction of the non-conformity.
- 23.5.** The Employer may accept any non-material deviation or reservation provided that the acceptance thereof does not prejudice or affect the relative ranking of any Tender in the evaluation of Tenders.

#### **24.0. EVALUATION OF BIDS**

Bids will be evaluated using the following methodology:

1. Preliminary examination to confirm that all documents required have been provided, to confirm the eligibility of Bidders in terms of section 28(1) of the Regulations and to confirm that the Bid is administratively compliant in terms of section 28(2) of the Regulations.
2. Technical evaluation to determine their substantial responsiveness to the specifications in the Statement of Requirements;
3. Financial evaluation and comparison to determine the evaluated price of Bids and to determine the lowest evaluated Bid.

**Bids failing any stage will be eliminated and not considered in subsequent stages.**

#### **24.1. CORRECTION OF ERRORS**

- (a) Tenders determined to be substantially responsive will be checked by the Employer for any arithmetical errors in computing and summation.
- (b) Errors will be corrected by the Employer as follows:
  - i. Where there is a discrepancy between amounts in figures and in words, the amount in words will govern; and
  - ii. Where there is a discrepancy between the unit price and the total amount derived from the multiplication of the unit price and quantity, the unit price as quoted will govern unless in the opinion of the Employer there is an obviously gross misplacement of the decimal point in the unit price, in which event the total amount as quoted will govern. If a Tenderer does not accept the correction of errors as outlined above, that Tender will be rejected.



No change in prices or substance of the tender shall be sought, offered or permitted except as required for the correction of arithmetic errors discovered by the Engineer during the evaluation of tenders in accordance with Clause 19.0 of the Public Procurement & Disposal of Public Assets (PPDPA) Act:

## 24.2. EVALUATION CRITERIA

Tenders will be evaluated in accordance with the Government Procurement Regulations. In evaluating the Tenders, the Employer will assess the Tenderer's capability to perform.

The evaluation will be conducted as follows.

### 2. Preliminary evaluation for eligibility and qualification

#### **Technical Capacity is as follows:-**

No	Requirement	Description	Confirm compliance by attaching the relevant documents
1	Equipment Capacity (3)	Mobile welding generator, angle grinder and 3 tons chain block Declaration of ownership of the equipment must be attached.	
2	Experience of the Company (8)	The Tenderer must have completed the rehabilitation of major hydro-mechanical works on a big dam in the past five (5) years. Bidders must provide 3 reference letters for similar pipe repair and valve installation works. Reference letters shall be on the clients letterhead clearly outlining the works done and period	
	Key Personnel (3)	Foreman – pipe fabrications and installations	
		Artisan - fitter	
		Artisan – Coded welder	
		Attach CVs and Certificates for the key personnel (Foreman, Artisan-fitter and Artisan-coded welder	

#### **Note:**

Record of having successfully completed repair and maintenance works of a similar nature in the past five (5) years. Attach traceable reference letters from at least (3) clients in such similar jobs have been carried out.

The Tenderer must have completed;

(a) the rehabilitation of major hydro-mechanical works on a big dam in the past five (05) years.

(b) **Having successfully closed a leaking outlet pipe at diameter more than 600 mm using H-frames in the past 5 years.**

**NOTE: PLEASE PROVIDE ATLEAST ONE REFERENCE LETTER for (a) and (b) ABOVE**

## **25.0. OWNERSHIP OF THE COMPANY**

Bidders are required to submit documents indicating ownership, company profile of not more than 5 pages, shareholding structure including name and address of Directors.

Tenderers should attach relevant papers as proof for these requirements.

## **26.0. REVIEW BY THE SPECIAL PROCUREMENT OVERSIGHT COMMITTEE**

Section 54 of the Act provides for review by the Special Procurement Oversight Committee for certain especially sensitive or especially valuable contracts.

This tender is not subject to review by the Special Procurement Oversight Committee (SPOC) in terms of Section 54 of the PPDA Act (Procuring entity Class A). **This tender is not subject to SPOC review.**

## **27.0. CURRENCY**

The currency of the Tender shall be United States Dollars. The Tenders shall be priced in United States Dollars and valuations, quotations and all other costs shall be stated in United States Dollars. **However, during the execution of the Contract, payment, unless otherwise directed by the Client, shall be in ZWL after applying the prevailing Reserve Bank of Zimbabwe exchange rate between the United States Dollar and ZWG.**

Tenderers are advised to contact the Zimbabwe Revenue Authority (ZIMRA) for Information concerning the importation of plant and machinery, customs duties levied and Import tax levied.

Information on the employment of foreign nationals can be obtained from Ministry of Public Service, Labor and Social Welfare.

## **28.0. AWARD OF CONTRACT**

The proposed award of contract will be by issue of a Notification of Contract Award in terms of section 55 of the Act which will be effective until signature of the contract documents in accordance with Part 3: Contract. Unsuccessful Bidders will receive the Notification of Contract Award and, if they consider they have suffered prejudice from the process, they may, within 14 days of receiving this Notification, submit to the

Procuring Entity a Challenge in terms of section 73 of the Act, subject to payment of the applicable fee set out in section 44 of and the Third Schedule to the Regulations.

The contract will only be valid subject to payment of annual contract administration fees to PRAZ upon winning the tender and this will be determined by the awarded contract amount in line with Part V of the Procurement Regulations (S.I 5 of 2018 and S.I 219 of 2020).

Five percent (5%) preference shall be given to women-owned businesses. To qualify for this preference the Bidder shall submit its Memorandum and Articles of Association. The Employer may verify the authenticity of the documents with the Registrar of Companies.

### **29.0. EMPLOYER'S RIGHT TO ACCEPT ANY TENDER AND REJECT ANY OR ALL TENDERS**

Notwithstanding Clause 26.0 the Employer, reserves the right to accept or reject any Bid or to cancel the procurement process and reject all Bids in whole or in part at any time prior to contract award.

### **30.0. NOTIFICATION OF AWARD**

**30.1.** Prior to the expiration of the period of Tender Validity prescribed by the Employer, the Employer shall direct which Tender is to be accepted and notify promptly in writing the successful Tenderer, and

**30.2.** The notification of Award will constitute the formation of the Contract. The unsuccessful Tenderers shall be advised in writing by the Employer of the name of the successful Tenderer and the amount of the Bid Price accepted.

### **31.0. SIGNING OF CONTRACT AGREEMENT**

**31.1.** At the same time the Employer, notifies the successful Tenderer that its Tender has been accepted, the Employer will send the Tenderer the Form of Agreement provided in the Tender Document, incorporating all agreements between the parties.

**31.2.** Within 14 days of receipt of the Form of Agreement, the successful Tenderer shall sign the Form and return it to the Employer.

### **32.0. REPAIR MATERIALS**

It will be the responsibility of the Contractor to ensure that there are enough stocks of repair materials for his use on site, including plant, oils and fuels. There shall be no additional advance paid for the purchase of these materials.

The Tenderers are advised to price accordingly, taking into account the distances from the source. All materials will be used subject to approval by the Engineer.

### **33.0. PERFORMANCE SECURITY**

**33.1.** Within 14 days of receipt of the notification of Award from the Employer, the successful Bidder shall furnish to the Employer a Performance Security in the form of a bank guarantee in an amount of five **percent (5%)** of the Contract Price in accordance with the Conditions of Contract. The form of Performance Security provided in Schedule VII of the bidding documents shall be used.

**33.2.** Failure by the successful Tenderer to comply with the requirements of Clause 36.1 shall constitute sufficient grounds for the annulment of the Award and forfeiture of the Tender Security.

### **34.0. CORRUPT PRACTICES**

The Government of Zimbabwe requires that Procuring Entities, as well as Bidders and Contractors, observe the highest standard of ethics during the procurement and execution of contracts. In pursuit of this policy:

1. the Procuring Entity will reject a recommendation for award if it determines that the Bidder recommended for award has, directly or through an agent, engaged in corrupt, fraudulent, collusive or coercive practices in competing for the Contract or has been declared ineligible to be awarded a procurement contract under section 99 of the Act;
2. the Authority may under section 72 (6) of the Act impose debarment and other sanctions under section 74 (1) of the Regulations; and
3. Any conflict of interest on the part of the Bidder must be declared.

## INDEX TO SPECIFICATIONS

### A : GENERAL

A1	GENERAL CONDITIONS OF CONTRACT
A2	DEFINITIONS AND INTERPRETATIONS
A3	AMENDMENTS TO GENERAL CONDITIONS OF CONTRACT
A4	AMENDMENTS BY TENDERER
A5	QUALIFICATION AND EXPERIENCE OF THE CONTRACTOR
A6	SURETIES
A7	INSURANCES
A8	PROVISION OF SERVICES TO THE ENGINEER
A13	PROVISIONAL QUANTITIES
A14	MEASUREMENT
A15	ADVANCES FOR PAYMENT
A16	PROGRAMME OF WORKS
A17	STAFF AND PERSONNEL
A18	NOTICE OF WORK AND APPROVAL TO PROCEED
A19	RETURNS TO BE SUBMITTED BY CONTRACTOR
A20	SITE VISIT

### B: SITE DATA AND DESCRIPTION OF THE WORKS

B1	SCOPE AND DESCRIPTION OF THE WORKS
B2	LOCATION OF SITE AND ACCESS
B5	ACCOMMODATION AND CONTRACTOR'S AREAS
B7	HYGIENE AND HEALTH
B8	PROTECTIVE CLOTHING AND SAFETY
B9	WATER FOR DOMESTIC PURPOSES
B14	PROGRAMME AND COMPLETION DATES
B15	DRAWINGS

## SPECIFICATION AND SPECIAL CONDITIONS OF CONTRACT

### PART A: GENERAL

#### GENERAL CONDITIONS

The General Conditions of Contract which form part of these contract documents shall be the First Edition prepared in 1999 by the ***Federation Internationals des Ingenieurs Conseils (FIDIC)*** entitled Conditions of Contract for Construction with such alterations and additions as are affected under the following Clauses. Clauses are numbered here applicable, in accordance with the clause numbers in the FIDIC Document.

The **FIDIC** Conditions of Contract for Construction is not issued with these tender documents but may be obtained from the parent body. That is, the Employer will NOT supply copies of these conditions to the Contractor.

#### A2 DEFINITIONS AND INTERPRETATIONS

The following definitions in the General Conditions of Contract Clause 1.1 shall hold for the purpose of this Contract.

**1.1 (a) (i) "Employer" means the ZIMBABWE NATIONAL WATER AUTHORITY**

#### A3 AMENDMENTS TO GENERAL CONDITIONS OF CONTRACT

The General Conditions of Contract are amended as follows:

**(a) Clause 1.8: Custody and Supply of Drawings and Documents**

The following sub-clauses to be added:

**1.8 (a)** No drawings or documents or any information contained therein, forming part of this Contract shall be used for any purpose other than this Contract. Upon settlement of the Final Account for this Contract, the Contractor shall return all drawings and Specifications to the Engineer.

**1.8 (b)** Figured dimensions shown on drawings take precedence over scaled measurements and if due to the absence of figured dimensions, it is necessary to obtain dimensions from scaled measurement, the Contractor shall verify such dimensions with the Engineer.

**(b) Clause 8.3 - Programme**

Replace the words "within 28 days after receiving the notice under Sub-Clause 8.1 [*Commencement of Works*]" with "Within fourteen days after signing of the Contract".

The Contractor shall revise the Programme at monthly intervals with a projected schedule of monthly cashflows (to the Contractor).

The Contractor shall not commence any separate operation without the consent of the Engineer, to whom the Contractor shall have given full and complete notice of the operation sufficiently in advance of its proposed commencement so as to enable the Engineer to make such arrangements as he may deem necessary for measurement, inspection, or any other purpose.

**(c) Clause 6.8 - Contractor's Superintendence**

Add the following;

'The Contractor's approved representative shall be fluent in the English Language.

The Contractor shall ensure that an adequate number of his supervisory staff and technical assistants shall be able to communicate in English and a reasonable proportion of foremen shall have a working knowledge of English and local languages to ensure the proper transmission of information and instruction.'

**(d) Clause 4.7 – Setting Out**

Add the following;

'The Contractor shall give not less than twenty-four (24) hours notice to the Engineer of his intention to set out a section of the works or give levels, so that arrangements can be made for checking or issuing instructions'.

**(e) Clause 18.2- Insurance of Works and Contractor's Equipment**

In line 1, add "Prior to the commencement of the Works,"

At the end of the Clause add "It shall be the responsibility of the Contractor to notify the insurance company of any change in the nature and extent of the Works and to ensure the validity of the insurance cover during the duration of the Contract".



(f) **Clause 18.4 – Accident or Injury to Workmen**

Add the following

‘The Contractor shall also pay the stipulated dues in respect of all his workmen to the Workmen’s Compensation Fund of Zimbabwe and to the National Social Security Authority (NSSA) in accordance with Government regulations and shall ensure that all sub-contractors engaged on works under this Contract do likewise’.

(g) **Clause 4.14 – Interference with Traffic and Adjoining Properties**

Add the following sub-Clause;

(c) Compliance with State Traffic Laws.

Nothing herein before contained shall exempt the Contractor or any of his sub-contractors from complying with State Laws and or Municipal By-Laws regulating traffic on roads and bridges.

(h) **Clause 6.1 – Engagement of Staff and Labour**

Add the following;

**6.1 (b) Importation of Labour**

The importation of labour and personnel shall be subject to the Statutes, Ordinances, Laws, Regulations and By-Laws of the Republic of Zimbabwe in force from time to time and no personnel or labour shall be imported by the Contractor without first obtaining the necessary permission of the Employer and Permits from the appropriate Authorities.

(j) **Clause 14.8- Delayed Payment**

Replace paragraph 2 with,

“Financing charges shall be calculated at the prevailing minimum commercial bank rate for overdrafts plus 2% per annum,” in place of “stated in the Appendix to Tender”.

Add “The Contractor shall provide proof of borrowing from the bank to attract an interest rate of the prevailing minimum commercial bank rate for overdrafts plus 2% per annum, else the Employer shall pay an interest rate afforded to the Employer by the funding institution plus 2%. Interests charged shall not be compounded.”

**(k) (i) Date of Tender**

For the purpose of this Clause the term "date of Tender" shall mean the date at which the Contract was awarded.

**(ii) Special Provisions for Materials**

(a) Before placing orders for any material subject to price variation in terms of this Clause at prices other than those quoted in Schedule VIII, the Contractor shall advise the Engineer in writing of such intended purchase and state the value of any trade or other discounts applicable. The Contractor shall acquire no material costing more than 10% above the price given for it in the said Annexure for the works without prior written approval of the Engineer.

(b) The Engineer shall have the right to instruct the Contractor to buy any material subject to this Clause to best advantage. The Employer shall have the right to purchase such material himself for re-sale to the Contractor.

**(iii) Consumables**

The Contract price shall not be subject to adjustment in respect of variations in prices of consumable items such as electrical power, lubricants, tyres, drill bits, spare parts etc.

#### **A4 AMENDMENTS BY TENDERER**

Should the Tenderer desire to make any departures from, or modifications to, the General Conditions of Contract, Specification, Bill of Quantities or Drawings, or to qualify his Tender in any way, he shall set out his proposals clearly in a covering letter attached to his Tender or in Annexure ‘A’ to the Form of Tender, failing which the Tender will be deemed to be unqualified.

#### **A5 QUALIFICATION AND EXPERIENCE OF TENDERER**

Tenderers are required to submit, with their offer, a statement of previous steel modification experience and lists of staff and labour. They shall also provide curricula vitae of key staff members who will be employed on the works, demonstrating their ability to execute works of a demanding technical standard within a limited contract period. An indication must be given of the period that such staff and labour will be on site.

If the Tenderer finds any discrepancies or difficulties in carrying out any part of the works as specified, such discrepancies and/or difficulties shall be clearly explained.

#### **A6 SURETIES**

Referring to Clause 4.2 of the General Conditions of Contract, Tenderer shall state in their Tender the proposed sureties or guarantors and provide proof that they will provide a Bond/Deed of Suretyship.

#### **A7 INSURANCES**

Any insurance taken out by the Tenderer in accordance with Clause 18.1 to 18.4 of the General Conditions of Contract or for any other reason in connection with the Contract shall be effected through a firm registered in Zimbabwe.

#### **A8 PROVISION OF SERVICES TO THE ENGINEER**

It is to be noted that the Contractor is responsible for the rehabilitation of the Works as described in the Specification and shown on the Drawings or as may otherwise be directed and is also entirely responsible for the provision of temporary housing and all services to his own staff and employees.

The Contractor shall be required to provide housing and offices, for the use of the Employer, the Engineer or their staff or employees. If specifically requested to do so at any time, the provision of such services shall be made under the specific Items and Provisional Sums provided for this purpose in the Bill of Quantities. The Contractor shall be entitled to a mark-up on Prime Cost items under Provisional Sums only, at the percentage rate tendered.

**The contractor is specifically required to provide the following which shall be specified by the Engineer at the time of purchase: -**

- a) Any other capital items required by the Engineer for the execution of the Contract.

#### **A9 QUALITY CONTROL SITE LABORATORY**

All work shall undergo quality control by the engineer's representative. Work which fails the quality control shall be re-done

Notwithstanding the above, the Contractor shall at all times be free to carry out, at his own expense, any tests that he may wish as an aid to control his operations. In the event of any lack of agreement on test results, those results from the Engineer's site laboratory shall be taken as ruling.

#### **A10 ACCESS TO LAND REQUIRED FOR THE WORK**

Not applicable on this contract.

#### **A13 PROVISIONAL QUANTITIES**

All quantities shown in the Bill of Quantities have been calculated in good faith and to the best information available.

Items marked "Provisional Sum" are not subject to alteration or deletion by the Contractor in his tender submission.

#### **A14 MEASUREMENT**

For the purpose of measuring such permanent work as is to be measured by record Drawings the Engineer's Representative shall prepare record Drawings from time to time of work and the Contractor as and when called upon to do so in writing shall, within seven (7) days, attend to examine and agree to such record Drawings with the Engineer's Representative and shall sign the record Drawings when so agreed. If the Contractor does not attend to examine and agree any such record Drawings, they shall be taken as correct. If, after examination of such record Drawings, the Contractor does not agree with them and does not sign as agreed, they shall nevertheless be taken as correct unless the Contractor, shall within seven (7) days of such examination, lodge with the Engineer, notice in writing of the respect in which such record Drawings are claimed by him to be incorrect.

#### **A15 ADVANCE PAYMENT**

**Payment will be after completion of the works (No advance payment)**

#### **A16 PROGRAMME OF WORKS**

The Contractor is required to provide a programme of Works and a comprehensive Method Statement showing that they are able to achieve the target date for commencing repairs and the contract completion date as stated in Clause B15 of this Specification. This requirement is additional to the routine programme for execution of the Works as described in the Conditions of Contract.

**It is a prime condition of this Contract that the target dates and completion date is achieved, regardless of all other factors such as date of commencement and altered conditions or quantities of work.**

#### **A17 STAFF AND PERSONNEL**

The Contractor is required to list, in the Contract Document, the staff and personnel who will be employed on the contract. If it is the intention to employ expatriate personnel, it will be the Contractor's sole responsibility to obtain the necessary Residence Permits and Work Permits. The Contractor is required to employ locals from areas surrounding the Works as his temporary and permanent labour force. The Contractor shall also ensure that his authorized representative and an adequate number of the Contractor's supervisory staff shall be able to speak English.

#### **A18 NOTICE OF WORK AND APPROVAL TO PROCEED**

At least ten (10) days before the start of any part of the Works that will result in a disruption of irrigation water supply, the Contractor shall notify the Engineer's Representative in writing of his intentions.

The Contractor shall submit requests in writing to the Engineer for approval to commence any and all operations involving the installation of permanent works.

#### **A19 RETURNS TO BE SUBMITTED BY CONTRACTOR**

The Contractor shall submit monthly returns in duplicate to the Engineer, showing the Site Agent, number of artisans and labourers employed upon the works, listing all plant on site together with daily hours worked, idle or broken down, and indicating whether each item of plant is owned by the Contractor or hired.

#### **A20 SITE VISITS**

Tenderers shall visit the site and acquaint themselves with the difficulties they will have to overcome, etc and all Tenderers shall complete the "**Certificate of site visit**".

Tenderers are at liberty to visit the site at their convenience, but an official site visit will be arranged. Instructions regarding the date, time and meeting place for the official site meeting are given in the instruction to Tenderers that accompany these documents. The Engineer and members of his staff will not accompany Tenderers to site at any other time.

### **PART B: SITE DATA AND DESCRIPTION OF THE WORKS**

#### **B1 SCOPE AND DESCRIPTION OF THE WORKS**

This Contract comprises the following Works:

- a) Preliminary and Temporary Works
- Preliminary and temporary works will include the erection and removal of temporary housing and offices for access and transport of materials to enable construction of the permanent works.

Proposed Works.

The proposed works covered by this Tender document will involve.

1. Mobilization
2. Service of lowering system
3. Coating of pipes with Epoxy
4. To install 900mm butterfly valves
5. Procure and service of hydraulic controls for both sleeve valves
6. Service sleeve valves
7. Repair lighting system
8. Demobilization

**b) Miscellaneous**

This shall include all other work described in this Specification or shown on the Drawings or ordered by the Engineer during the course of the Contract.

**B2 LOCATION OF SITE AND ACCESS**

Mazvikadei Dam is on Mukwadzi River, 25km north of Banket at 17 ° 13'14"S 30 ° 23'30" E.

**B5 ACCOMMODATION AND CONTRACTOR'S AREAS**

The general area that will be available to the Contractor for his housing, workshops, offices, stores and plant yards shall be sited to the approval of the Engineer's Representative in consultation with other interested parties.

Labour shall be housed in units with no more than two (2) bachelors or one family to a three (3) metre square room. In bachelor accommodation, each individual shall be provided with at least four point five (4.5) square metres of floor area and ten (10) cubic metres of air space, and the rooms shall be cross ventilated. Housing units shall be built of durable material and be of an acceptable standard appropriate to the duration of the Contract.

Adequate cooking shelters shall be provided. These shall be roofed structures, three sides of which shall be protected to a height of at least one (1) metre above ground level.

The Contractor shall be responsible for the control of all his labour housing in the compound or elsewhere, and shall follow the instructions of the local authority in all relevant matters.

On completion of the Contract, all labour housing and associated structures shall be demolished and the materials removed or disposed of to the satisfaction of the Engineer. All costs involved in the construction and maintenance of staff and labour housing shall be allowed for under the appropriate Lump Sum tendered in the Bill of Quantities.

**B8 PROTECTIVE CLOTHING AND SAFETY**

The Contractor shall provide all his workmen with adequate protective clothing appropriate to the type of work on which each individual is occupied, and in accordance with the industrial regulations.

Safety equipment including nets or harnesses shall be provided where necessary. The Contractor shall provide and maintain on site such first-aid and life saving apparatus as may be appropriate and as may be required under any Government regulations. In addition, an adequate number of persons permanently on the site shall be instructed in their use. Arrangements for obtaining immediate first-aid, if and when required, shall be made known to all persons on site.

It shall be the sole responsibility of the Contractor to prevent access to the site by unauthorized persons and to ensure safety to public and private property and individuals.

**B9 WATER FOR DOMESTIC PURPOSES**

The Contractor must provide and install at his own cost all necessary equipment to ensure an adequate supply of potable water to his workforce, both at housing areas and at the jobsite. The contractor will upgrade and rehabilitate the existing ZINWA potable water supply plant at the dam site.

**B11 TELEPHONE AND ELECTRIC POWER**

The Contractor must make his own arrangements and pay for the cost of installing telephones or wireless links and for the provision of electric power for both his domestic and constructional use.

**B14 PROGRAMME AND COMPLETION DATES**

The Contractor shall draw up a schedule showing the approximate nature and extent of the plant and labour, including staff, to be used on the Works. The Contractor shall also draw up a programme showing the general scheme of operations proposed. The schedule of plant and labour and the programme shall be attached to the Tender. From time to time this programme will be reviewed and if required by the Engineer, the Contractor shall draw up a revised or amended programme in accordance with the actual conditions prevailing at the time.

Preference will be given to those Bidders offering the equipment best suited for the task and demonstrating adequate reserves, so that in the event of the Contractor's programme falling behind schedule, an accelerated programme may be instituted.

**B15 DRAWINGS**

The Engineer shall issue detailed drawings to the Contractor as construction proceeds and sufficiently in advance of work on any section to allow the necessary planning and preparation, and in accordance with the Programme of Works as revised from time to time.

The following Drawings form part of this Specification and Contract

### **SCHEDULE OF DRAWINGS**

**OUTLET TUNNEL TRANSITION  
OUTLET WORKS GENERAL DETAILS**

**14072-H  
13738-H**

### **PART E: PIPELAYING**

#### **E1 SUPPLY OF BUILT-IN PARTS**

*Built-in parts to be supplied as part of billed items for supply and installation shall be selected from quotations obtained by the Contractor from commercial sources, or by the Engineer. In the case of supply from commercial sources, the Contractor shall obtain at least three quotations from different suppliers or manufacturers and the Contractor shall base his billed price on the least expensive item that satisfy these specifications and those stated in the "Specifications for EMERGENCY REHABILITATION OF MAZVIKADEI DAM OUTLET WORKS" document.*

#### **E2 INSTALLATION OF PIPEWORK**

*All pipework shall be laid accurately to the lines and grades shown on the Drawings, installation manuals provided by the supplier or Engineer and or as described by the Engineer. Where necessary pipework shall be supported on concrete plinths or steel chairs and only steel wedges or spacers used shall be allowed to remain within the concrete or permanent works.*

*The tightening of bolts on couplings and flanges shall be carried out using appropriate tools to ensure sufficient torque is applied without over-stressing.*

*The Contractor shall take every precaution to ensure that all protective coatings are not damaged and if damage does occur, shall repair it at his own expense and under the supervision of the Engineer's Representative.*

*Items are included in the Bill of Quantities for the installation of all pipework and valves, and shall include unloading at site, handling, moving, aligning and installation of the pipes into their final position and water testing before concreting in.*

#### **E3 INSTALLATION OF VALVES**



*Installation instructions for the valves shall be supplied by the valve manufacturers and the Engineer and the Contractor shall adhere strictly to these instructions at all times. The Contractors will be responsible for commissioning the valves and whole pipework system and testing the system in accordance with Specifications or Engineer's instructions.*

*Payment for this work shall be included in the relevant items in the Bill of Quantities for the installation of steel pipework and valves in the works.*

#### **E4 INSTALLATION OF MISCELLANEOUS STEELWORK**

The Contractor shall install all miscellaneous steelwork and other metal work such as hand-railing, flooring, ladders, gantries, small diameter pipework, etc. to details shown on the Drawings or as directed by the Engineer's Representative. All steelwork shall be accurately positioned and maintained in position during concreting operations.

Before delivery to site the steelwork may be covered with primer coats of paint. The Contractor shall take every precaution to prevent damage to the paint. Final coats will be applied as detailed under Clause G7 below.

**Payment for work done under this Clause shall at be at the rate tendered in the Bill of Quantities.**

#### **E5 STEEL PIPEWORK**

**All pipe systems for whatever service shall be measured net as laid and jointed and the rates shall include for all necessary cutting and waste of pipes and short lengths required to suit fittings, etc and for all labour and materials required in the laying, jointing and testing where specified, of the various types of pipes and fittings in accordance with this Specification.**

Payment for work done under this Clause shall be paid for under the appropriate items in the Bill of Quantities

#### **E6 INSTALLATION OF OTHER BUILT-IN PARTS**

Not Applicable.

#### **E7 PAINTWORK**

All final painting required for pipes and other steel work shall be according to Specifications.

## **PART F: SPECIAL SPECIFICATIONS FOR THE REHABILITATION OF THE HYDRO-MECHANICALS OF MAZVIKADEI DAM**

### **1. STEEL PIPE WELDING**

All steel pipe welding **MUST BE SUBMERGED ARC WELDING** and must conform to API Standard 650.

Bidders must indicate their capability to carry out this type of welding for all the pipework for the project.

### **2. RUBBER JOINT GASKETS**

Rubber jointing rings used in any pipework shall be of the type and quality recommended by the pipe manufacturers and typical samples shall be submitted to the Engineer prior to use for approval. Generally, they shall comply with ISO 4633:2015 (Rubber seals).

### **3. BUTTERFLY VALVES**

Butterfly valves shall be in accordance with B.S. 1092-1-2007 (Flanges and their joints), API 6D (Specification for pipeline valves), API 598 (Valve inspection and testing), API 600 (Steel gate valves, flanged and butt welding ends) and API 650 (Welded Tanks for Oil Storage).

### **4. STOP VALVES**

Stop Valves, 50 mm diameter and under shall be screw-down type manufactured in accordance with B.S. 1092-1-2007 (Flanges and their joints), API 6D (Specification for pipeline valves), API 598 (Valve inspection and testing), API 600 (Steel gate valves, flanged and butt welding ends) and API 650 (Welded Tanks for Oil Storage). Ends to be female screwed with hexagonal shoulders. Closing shall be clockwise.

### **5. GATE VALVES**

Gate Valves and Sluice Valves shall comply with B.S. 1092-1-2007 (Flanges and their joints), API 6D (Specification for pipeline valves), API 598 (Valve inspection and testing), API 600 (Steel gate valves, flanged and butt welding ends) and API 650 (Welded Tanks for Oil Storage) and shall be of the key opening type, complete with cast iron cap. Closing shall be clockwise.

For all other pipework, double flanged valves shall be used.

Large diameter valves shall be PN 16 or as otherwise shown on the drawings.

### **6. NON-RETURN VALVES**

Non-return valves shall be of the reflux recoil type or similar approved in accordance with B.S. 1092-1-2007 (Flanges and their joints), API 6D (Specification for pipeline

valves), API 598 (Valve inspection and testing), API 600 (Steel gate valves, flanged and butt welding ends) and API 650 (Welded Tanks for Oil Storage).

## 7. STEEL PIPE MATERIAL SELECTION

This is the process of selecting the appropriate steel sheets for the fabrication of all the steel pipes and laterals for the pipeline and pump connections. The designed steel sheet composition requires steel materials of Grade GR50B, with a Tensile Strength of between 470-630MPa and a minimum Yield Strength of 355(min) and a Charpy Impact Test result of 27J@20°C according to BS4360 (Gr50B) (Alternatively SANS 1431-350WA). For compliance monitoring, the Contractor is to provide a mill certificate for all the materials. **All steel plates must be stamped and readily available for inspection** before, during and after fabrication and refer to EN10204 specification on inspection documents.

## 8. STEELWORK AND PIPE WELDING INSPECTIONS

The purpose of this standard is to present methods for the production of high-quality welds through the use of qualified welders using approved welding procedures, materials and equipment. Its purpose is also to present inspection methods to ensure the proper analysis of welding quality through the use of qualified technicians and approved methods and equipment. It applies to both new construction and in-service welding according to API-1104 and API-650. The Contractor is to provide valid certificates for high pressure vessel coded welders and should be able to demonstrate the equipment capabilities on proto-types in the workshop. Welding inspection certificates must be produced at a frequency stated in the standard and test reports must be produced.

## 9. FLANGES AND THEIR JOINTS- CIRCULAR FLANGES FOR PIPE, VALVES, FITTINGS AND ACCESSORIES PN, DESIGNATED

BS1092-1:2007 specifies the flange types and their facings, dimensions, tolerances, threading, bolt sizes, flange jointing face finish, marking, materials, pressure/temperature ratings and approximate flange masses. (Alternatively EN1092-1, API-650). The contractor is to produce the manufacturers product certificate stating the test pressure results.

## 10. PRESSURE TESTING FOR S355JR STEEL PIPES

BS EN806 specifies that all new water systems, both above ground and below ground shall be tested hydraulically prior to commissioning. To satisfy the recommendations given in BS EN806 fittings and pipework must be pressure tested at  $1.1 \times (1.5 \times \text{maximum design pressure})$  or  $1.65 \times \text{maximum operating pressure}$ . The Contractor is to produce pressure test certificate from the standard association of Zimbabwe (SAZ) or a recognised certification body. Strict adherence to the laid down pressure test procedures as specified in the standard specifications.

## 11. PAINTWORK

The Contractor shall provide painting and coatings, complete and in place, in accordance with the approved plans and standard specifications. Except as otherwise indicated by the Engineer, the current editions of the following apply to the work of this section:

- A. ANDSI/AWWA C210 Liquid Epoxy Coating Systems for the Interior and Exterior of Steel Water Pipelines
- B. ANSI/AWWA C213 Fusion-Bonded Epoxy Coating for the Interior and Exterior of Steel Water Pipelines
- C. ANSI/AWWA C217 Cold-Applied Petrolatum Tape and Petroleum Wax Tape Coatings for Exterior of Special Sections, Connections, and Fittings for Buried Steel Water Pipelines.
- D. BS 5493 Code of Practice for Protective Coating of Iron and Steel against Corrosion

The following shall be submitted in compliance with the standard specifications:

- 1. Submit coating manufacturer's technical and material safety data sheets for the products to be applied. Data sheets shall show the following information at a minimum, but shall show all data necessary to indicate conformance to specifications:
  - a. Percent solids by volume.
  - b. Minimum and maximum recommended dry-film thickness per coat for prime, intermediate, and finish coats.
  - c. Recommended surface preparation.
  - d. Recommended thinners.
  - e. Statement verifying that the specified prime coat is recommended by the manufacturer for use with the specified intermediate and finish coats.
  - f. Application instructions including recommended equipment and temperature limitations.
  - g. Curing requirements and instructions.
  - h. Colours (where applicable).

### 11.1. QUALITY ASSURANCE

All materials of a specified painting system, including primer, intermediate, and finish coats, shall be produced by the same manufacturer. Thinners, cleaners, driers and other additives shall be as recommended by the paint manufacturer for the particular coating system.

Deliver paints to site in the original unopened containers.

## **BILL OF QUANTITIES**

### **PREAMBLE TO BILL OF QUANTITIES**

#### **1. GENERAL**

- a) Attention is drawn to the General Conditions of Contract, Form of Tender, Specification, Drawings, attached schedules and amendments thereto contained in this document. These documents are to be read in conjunction with the Bill of Quantities.
- b) Each item, including zero items, shall be priced with the exception of those items which already have provisional sums attached thereto, if the Tenderer omits to price any item, the cost of such items will be deemed to be spread over and included in the prices tendered for other items.
- c) The quantities in this Bill are provisional. The work as completed will be measured according to the provisions of the General Conditions of Contract and of the Specification.
- d) The rates and prices in the Bill of Quantities shall be deemed to cover all the Contractor's obligations under the contract and all matters and things necessary for the proper completion and maintenance of the works.
- e) Where alternative rates have been called for in the Bill of Quantities, the Engineer reserves the right to use any of the alternative materials or forms of construction.
- f) The Contractor must note that materials for the contract are to be ordered from the working drawings as checked where necessary from site measurements. They must not be ordered from either the Bill of Quantities or the Tender drawings without the written permission of the Engineer.
- g) Where the item in the Bill of Quantities is described as "Provisional" the rate entered against the item holds for any variation in the quantity provisionally billed.
- h) Contractors are encouraged to use materials produced or manufactured in Zimbabwe, providing that the price, quality and delivery of local material is satisfactory.
- j) The total amount under PRELIMINARY AND GENERAL items excluding provisional sums must not exceed ten percent (20%) of the total Contract Sum.

### **INDEX TO BILL OF QUANTITIES**

<b>PART</b>	<b>DESCRIPTION</b>
	SUMMARY
I	PRELIMINARY AND GENERAL
II	HYDROMECHANICAL WORKS

**SUMMARY**

<b>SUMMARY OF BILL OF QUANTITIES</b>		
<b>PART</b>	<b>DESCRIPTION</b>	<b>Contractual Total Amount (USD)</b>
I	PRELIMINARY AND GENERAL	
II	WORKS	
<b>TOTAL AMOUNT</b>		
<b>VAT @ 15%</b>		
<b>GRAND TOTAL</b>		

**BILL OF QUANTITIES**

<b>PART I: PRELIMINARY AND GENERAL</b>					
<b>ITEM NO.</b>	<b>DESCRIPTION</b>	<b>QUANTITY</b>	<b>UNIT</b>	<b>RATE (USD)</b>	<b>AMOUNT</b>
1.1	Provision of all temporary housing, stores etc., required by the contractor for executing the works				
	(a) provide erect	LUMP	SUM		
	(b) Maintain in a sound and sanitary condition	LUMP	SUM		
1.2	Provision of the necessary supply, storage and distribution of water required by the Contractor for domestic use executing the works				
	(a) Supply material and construct	LUMP	SUM		
	(b) Running and maintenance Works	LUMP	SUM		
1.3	Provision for removal of all temporary buildings, stores, etc., and leaving the works in a sound and sanitary conditions	LUMP	SUM		
1.5	Provide for insurances and bonds	LUMP	SUM		
1.6	Provide for protection of Works, including watchmen, lights and for all other safety precaution	2	Month		
1.7	Provide for supply and running costs of electricity, telephones and all other services for the Contractor	LUMP	SUM		
	(a) supply and installation	LUMP	SUM		
	(b) Running costs	2	Month		
1.8	Provide for Mobilisation				
	(a) Provision of Equipment, transportation and plant installation	LUMP	SUM		
	(b) Running costs	2	Month		
1.9	Service to the Engineer	PROV	SUM		2,000.00
1.1	Provide for profit on item 1.9		%		
1.11	Provide for contingent works not detailed, to be executed if and as ordered by the Engineer under terms of the contract.	PROV	SUM		2,000.00
<b>TOTAL PART I CARRIED FORWARD TO SUMMARY</b>					



<b>PART II: HYDROMECHANICAL WORKS</b>					
<b>ITEM</b>	<b>DESCRIPTION</b>	<b>UNIT</b>	<b>QUANTITY</b>	<b>RATE</b>	<b>AMOUNT (USD)</b>
1	Service of lowering system	No.	1		
2	Procure of music note rubber seal	meters	20		
3	Procure new 10mm wire rope	meters	100		
4	Coating 2xDN1100 pipes with Epoxy	meters			
5	Supply, install and test valve fittings (a) 900mm Double Eccentric Butterfly valve , PN 16, c/w jointing set and flanged adaptor Valve body-Ductile iron EN-GJS-400/500-15 Disc - Ductile iron EN-GJS-400/500-15 Stem - Stainless Steel AISI 420 Body lining- EPDM Painting-Epoxy 200mcr minimum.	No.	2		
6	Service of hydraulic controls for both sleeve valves	No.	2		
7	Procure and install new hydraulic ram for left sleeve valve	No.	4		
8	Service sleeve valves and replace rubber seal on both sleeve valves	No.	2		
9	Replace wiring and lighting system in the gate house and D-Tunnel with wet-rated waterproof covers with an IP of 66	No.	20		
<b>TOTAL PART II CARRIED FORWARD TO SUMMARY</b>					