

BRICKLINING REPLACEMENT TO DRY/INTERPASS ACID CIRCULATION TANK: SULPHURIC ACID A-PLANT SHUTDOWN 2025

Tender no:

Cost Code:

Revision¹: 0.1.n see legend at bottom of page

Revised date: 11/09/2025

| NAME | TITLE | Empl. no | SIGNATURE | DATE |
|------|-------|----------|-----------|------|
|------|-------|----------|-----------|------|

COMPILED - RECOMMENDATION

| | | | | |
|-------------------|--------------------|--------|---|----------|
| Nhlakanipho Myeni | Project Supervisor | 503971 |  | 12/09/25 |
|-------------------|--------------------|--------|---|----------|

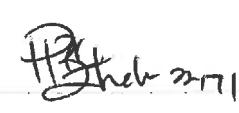
COMPREHENSION AND ACCEPTANCE BY CLIENT

The Client warrants that he/she reviewed the Scope of Works and that this Tender and related document and that the Scope of Works comply to Production requirements and the outcome of the work as agreed between parties.

| | | | | |
|----------------|---------------------|--------|--|----------|
| Vujaha Mabunda | Production Engineer | 503603 |  | 12/09/25 |
|----------------|---------------------|--------|--|----------|

Comments:

APPROVAL TO PROCEED

| | | | | |
|--------------------|--|--------|---|------------|
| Precious Buthelezi | Snr. Manager Sulphuric Acid Production | 22171 |  | 15/09/25 |
| Ramo Moroeng | Act Snr. Manager Projects | 505219 | | 15-09-2025 |

¹ Revision Legend:

0.n = Draft,

1= Final version

Thus, first draft = 0.1, second draft = 0.2, etc, and final approved = 1.0

Should the final be revised for whatever reason the revision would be 1.1 etc.

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Section A: INVITE AND TENDER INSTRUCTIONS

A.1 Invitation to tender

A.1.1 Tenderers are invited to submit a tender in accordance with this Tender Document.

The Works consists of the **Brick Lining Replacement to Dry/Interpass Acid Circulation Tank.**

The tender Instructions are to be found in **Section A.**

The Contract Works Forms of Tender is stipulated in **Section B.**

The detailed Scope of Work and Specifications are to be found in **Section C.**

The Conditions of Contract are stipulated by **Foskor (Pty) Ltd, Procurement Department.**

A.1.2 At the time of tendering, any queries and/or doubts within the scope, specifications or drawings shall be referred to:

| | |
|----------------------|-------------------------------------|
| Designation | Buyer: Tenders and Contracts |
| For the attention of | Lisu Khumalo |
| Telephone | 035 902 3078 |
| Fax | 035 797 3941 |
| Cell no | |
| Email | LisuK@foskor.co.za |

A.2 Return of Tender Documents

A.2.1 One copy of this document, duly completed and signed by the Tenderer, shall be delivered in a plain sealed envelope, distinctly marked as follows:

| | | |
|----------------------|---|--------------------------------|
| TENDER | | |
| Tender No. | | The Manager Procurement |
| Contract Title: | Brick Lining Replacement to Dry/Interpass Acid Circulation Tank-Sulphuric Acid A-Plant Shutdown 2025 | FOSKOR LIMITED |
| | | 21 John Ross Parkway |
| | | Richards Bay |
| Closing date & time: | | |

A.2.2 Tenders shall be placed in the **Tender Box at Foskor Richards Bay Main Administration Reception** no later than **12h00 noon** on the closing date

A.2.3 A tender sent by fax shall not be accepted.

Tender no: FOSRBY- 25/26

- In case of Tenderers not being local, and not being able to hand deliver tender documents to the above-mentioned location, Tenderers may use an approved document courier for the purpose of delivering the tender document to Foskor (Pty) Ltd. This would be subject to auditable proof of dispatch from the Courier Company (including time and date of dispatch).
- Such proof shall be faxed and confirmed as addressed to Superintendent: Tenders and Contracts, FOSKOR (PTY) LTD, 21 John Ross Parkway, Richards Bay, facsimile number as indicated under item A.1.3 before the closing time and date of the tender.
- Foskor shall take no responsibility for lost courier documents – prior to opening of tenders - and onus rests on Tenderer to keep duplicate of Tender Submission.
- In this case the sealed envelope shall remain addressed as per paragraph A.2.1, and shall be placed in a sealed courier bag with the following street address delivery instructions:

FOSKOR (PTY) LIMITED - (TENDER BOX)
21 John Ross Parkway
Richards Bay
3900

- A.2.4 Tenders will not be opened in public and under no circumstances will the price(s) at which any Contract was awarded be divulged to any person.
- A.2.5 In the event that the Tenderer did not submit a tender or if his tender was unsuccessful, the Tenderer shall return the Enquiry Document and Drawings within **14 days** to the **Superintendent: Tenders and Contracts** .

A.3 Site Inspection

An official Site inspection shall be held at the **Foskor, Richards Bay** site for the Tenderer to fully acquaint himself with prevailing site and works conditions. In so doing you are to ensure that you fully understand the context and extent of the works (refer B.5 – Site Inspection Certificate).

Date of Site Visit

Time of Site Visit

Meeting Venue

From:

To :

Report at Main Security Entrance

Please wear the following protective clothing:

Overalls (Acid Proof),

Hard Hat

Safety Shoes

Safety Glasses

Yes

Yes

Yes

Yes

Hearing protection
Gloves

| |
|-----|
| Yes |
| Yes |

IMPORTANT

- Please note that a Safety Induction is **MANDATORY** and all Tenderers to allow for at least **30 minutes** before the Site Meeting starts to complete the induction.
- The Site Visit / Inspection are **COMPULSORY**.

A.4 Examination and Completion of Documents

- A.4.1 The Tenderer shall examine all documents forming part of the Tender and submit his tender accordingly. All drawings, addendums, annexures received with the Tender documents must be returned with your company stamp and/or signature, as a comprehensive part of your Tender Submission. Failure to do so may result in disqualification from tender.

Tender in accordance with this format and submit documents as specified below.

- A.4.2 The Sections of this document shall not be separated in any way nor shall any pages be detached therefrom.
- A.4.3 The Tenderers submission is to include all Financial and Contractual detail and be signed (by authorized person) and/or company-stamped together with tender submission.
- A.4.3.1 Schedule of rates of Costs in detailed Breakdown or Labour Rates for the Works or Breakdown per Bill of Quantities
- A.4.3.2 Initial Project Program of Works, Work Methodology, and Cash Flow (structured similarly to payment terms)
- A.4.3.3 Schedule of Key Personnel on the Project
- A.4.3.4 Schedule of Similar Contracts Undertaken
- A.4.3.5 Site Inspection Certificate – signed by Tenderer as proof of attendance

A.5 Contract Documents Priority

The eventual Contract shall comprise the documents as stated in this tender document, your Tender submission by which you agree and the Foskor (Pty) Ltd Terms and Conditions, which shall be interpreted in accordance with the order of priority stated in the said Conditions.

A.6 Alterations by Tenderer

A.6.1 Should the Tenderer propose any departures or modifications from the Conditions of Contract, Specifications, or to qualify his tender in any way, he/she shall set out his/her proposals clearly in the covering letter attached to this Tender with reference to the section of the document, failing which the tender will be deemed to be unqualified. Any proposed technical departures from Foskor (Pty) Ltd.'s Requirements or Specifications shall only be considered if submitted in writing together with a detailed motivation for such departures.

A.6.2 The Tenderer shall include in respect of each proposed alteration the following:

- a) Reason for proposed exception.
- b) Suggested re-wording.
- c) Any effect on the tender price.
- c) Any effect on the execution of the scope of supply.
- d) Any effect on Foskor's overall program objectives.

If any of the above information is not supplied, the Tender may be regarded as non-compliant.

A.7 General

A.7.1 Foskor (Pty) Ltd reserves the right to adjust arithmetical or obvious errors in the Tender. Such adjustments made by Foskor (Pty) Ltd will be communicated to the Tenderer prior to the acceptance of his Tender.

A.7.2 The Tenderer (whether his Tender is accepted or not) shall treat the details of the Tender as private and confidential and no copies shall be made thereof without the permission of Foskor (Pty) Ltd.

A.7.3 Foskor (Pty) Ltd is not bound to accept the lowest or any other Tender it may receive, nor to assign a reason for the rejection or acceptance of any Tender, and Foskor (Pty) Ltd has the right, after Tenders are opened, and before a Contract is awarded, to enter into negotiations and discussions with one or more Tenderers short-listed on a price, programme or technical basis, with a view to the clarification, improvement or amendment of any particular Tender.

A.7.4 All Tenderers tender at their own risk and Foskor (Pty) Ltd is not bound to accept any Tender and under no circumstances whatsoever will be responsible for any costs incurred by any Tenderer in compiling or submitting the tender.

A.7.5 Furthermore, Foskor reserves the right to accept only a part of the Tender, with due communication and agreement of the Tenderer.

Section B: FORMS OF TENDER TO BE SUBMITTED

B.1 Schedule of Rates or Summary of Bill of Quantities

From Bill of Quantities – if applicable or
→

qty

x rate =

ZAR

1.0 SUB TOTALS:

1.00 Preliminary and General

A1

1.01 Preparation and Installation

A2

Sub Totals Sum (Excluding VAT)

A3

2.0 **Add:** VAT

15%

D

3.0 **Total Tender Sum (Including VAT)**

A4

B1.1 In the event of their being any obvious errors of pricing, extensions or additions in the priced Schedule of Quantities attached, we agree to their being corrected, and the contract amount altered accordingly.

B1.2 We further undertake that this tender cannot be withdrawn or retracted for **90** (ninety) days from the closing date.

B1.3 Notwithstanding that, this tender is submitted by invitation, it is clearly understood and agreed that there is no obligation upon FOSKOR to accept the lowest or any tender.

B1.4 The tendered prices are fixed and firm for the duration of the contract.

B1.5 Unless or until a formal agreement is prepared and signed, this tender, shall serve as your written acceptance and constitute a binding contract between FOSKOR and Yourself.

Amount In Words:

Signed at on.....

Signature
For and on behalf of the Tenderer (duly authorized)

.....
Company Stamp

B.2 Initial Project Programme of Works, Work Methodology and Cash Flow

(This is a workable schedule, and the Contractor is in no way obligated to these dates. An obligatory final programme will only be required once the tender is awarded)

The Contractor to note the following:

A-Plant Shutdown

Snagging/Modification List

Completion of Works/ Final Handover (Guide: Project duration)

Defects Liability Period Applicable (Start from Project handover)

Retention Payment:

Brick Lining Work 18 days

19 days after A-plant work described under this tender.

21 days from receipt of purchase order

N/A

N/A

OTHER IMPORTANT NOTES

- **'Defects Liability Period'** shall be that period in force for Foskop to call upon the Contractor/Consultant to rectify at no cost to Foskop (Pty) Ltd any defects of workmanship, quality, or practice; and shall remain in force **in parallel with the Retention Period** and any other duration agreed to.
- The Tenderer is to list and motivate any deviations in terms of Project Program and/or time allowed, and this is subject to approval by the Foskop (Pty) Ltd Engineer.
- It would be expected, in the event of critical work and/or work behind programme/schedule, should such be attributable to the Contractor, to make up the time and work and complete the work at no cost to Foskop (Pty) Ltd.
- The Tenderer shall within **7 (seven)** days of contract award submit a final detailed work methodology and programme, and the final work methodology shall be verified and approved by Foskop (Pty) Ltd.
- The Tenderer is welcome to propose alternatives work methodology or approach to work, that may be of mutual benefit. This would be submitted in the form of an Alternative (clearly marked), however the Tenderer is **still to submit a tender in the form specified** in this tender.
- The Tenderer shall submit a Work Breakdown Structure (WBS) and compile a programme (use MS Projects or MS Excel to compile the Project Program).

- If the Tenderer is partially or wholly responsible for the design or design drawings according to which construction is specified, any corrections to design/design drawings shall remain for the Tenderers account for a period of 6 months (or as otherwise agreed) after project completion. This is to ensure that poor design or inaccuracy of designs is rectified at no cost to Foskor.

B.2.1 Project Completion and Handover; Retention

Unless otherwise agreed, Project Completion (handover), shall be deemed to be from date of Foskor issuing a Project Complete/Handover Certificate to the Contractor. This should be expected to be received within seven (7) days from date of receipt by Foskor of the complete Data Pack in its acceptably certifiable form (refer Section C of this document, **Quality Control**). Once the project has reached completion as defined by this scope, onus rests on the Tenderer to request from Foskor a Project Complete/Handover Certificate, which receipt shall define and signify the commencement of Retention Period (if applicable).

B.2.2 Initial Programme to be Submitted

The interim and final project completion dates, as indicated in the above table B2 should be used as the guideline for the Tenderer to compile the detail project schedule.

After the contract agreement is accepted (by signature of an agreement or acceptance of a Purchase Order) the dates shall be fixed and shall be applicable to the penalty clause as per agreement.

ATTACH GANT CHART AND/OR BAR CHART TO THIS PAGE**B.2.3 Table with Milestones to be Submitted**

Using the critical path items from the programme compile related Milestone Dates. Thus, the items/actions/ activities to be met that is critical towards the completion of the project.

B.3 Schedule of Key Personnel on the Project

The Tenderer shall:

1. Complete schedule B.6.1 below concerning the Key Personnel on the project, indicating also if the
person is employed by the Tenderer, a sub-contractor or temporarily employed person.
2. Submit a project organogram showing relationships and authority.

| Key Personnel | Name and surname | Full/Part Time on site, off-site? | Employed, Sub-Contractor or Temp? | Years Related Experience |
|--|------------------|-----------------------------------|-----------------------------------|--------------------------|
| | | | | |
| Site Manager/ Supervisor/ Quality Controller | | | | |
| Safety Officer | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

These persons shall not be substituted without prior consultation with and approval from Foskor (Pty) Ltd.

Failure to submit this information at the time of tender could lead to disqualification of the tender.

B.4 Schedule of Similar Contracts Undertaken

Please provide a list of work done on contracts of which the Scope of Works is similar to the one described in this document (or attach references)

[illegible]

B.5 Schedule of Labour Rates for Works

The rates for labour indicated below shall be the Total Cost to the Company (Contractor). It shall include for all the Contractor's profits, overheads, wages, accommodation, travelling, subsistence, and other costs relative to the employment by the Contractor of the personnel detailed, and for hand and portable electric or pneumatic tools and consumables normal to the trade of the respective personnel.

However, it will exclude indirect supervision as some are deemed to be included under the costs relating to the Conditions of Contract, i.e. non-productive supervisors are deemed to be included in the rate.

The rates detailed herein shall **not** be subject to escalation.

The Contractor's rates per hour are based on a normal **9 hours per day**.

The application and use of these rates shall be at our sole discretion and subject to the prior approval of the FOSKOR designate representative.

[illegible]

[illegible]

B.7 Site Inspection Certificate – To be signed by Tenderer

This is to **CERTIFY**, that we
(Name (s) in CAPITAL LETTERS) (Referred to on the Form as "We")

representing and being duly authorized by:

.....
(Name of Company and Address) (Referred to on the Form as "We")

1. Visited the SITE on (Date);
2. Received the TENDER Documents (including all attachments and subsequent correspondence related to this tender).
3. Carefully examined the SITE and made us familiar with all local conditions likely to influence the WORKS and the cost thereof.

We further **CERTIFY** that we are satisfied with the description of the WORKS and explanations given by FOSKOR (Pty) Ltd and that we fully understand the nature of this TENDER.

I/We are,

Yours faithfully

SIGNATURE: _____

ON BEHALF OF: _____

DATE: _____

AS WITNESS: _____

Section C: SCOPE OF WORKS

C.1. Background, Present Situation, and proposed solution

C.1.1 Background and present situation

The Sulphuric Acid Plant is preparing for an annual shutdown for the A-plant, and this presents an opportunity to carry out necessary maintenance and repairs to various sections and equipment of the plant. This scope aims for brick lining replacement following inspection previously done inside Acid Circulation Pump Tanks.

C.1.2 Proposed Solution: Reason for this Tender

In anticipation of the necessary brick lining replacement inside Drying-Interpass circulation pump tank, it is necessary to arrange and procure a suitable contractor to make available the materials, tools, labour and skills required to undertake repairs to acid proofing systems.

C.2. Legislation, Standards and Codes of Practice

Latest revisions or amendments of the listed codes and specifications are applicable to this contract:

| Number | Title / Description | Revision |
|-----------------|--|----------|
| COP6 | Control of Construction Work | Latest |
| Act 85 of 1993 | Occupational Health and Safety (OHS Act) | Latest |
| SANS 1200 | Civil Construction Work | Latest |
| S28 NEMA (1998) | Duty and care of environmental degradation | Latest |

All work listed in this scope of work shall be completed in accordance with the specifications and codes as listed above. It is the responsibility of the Tenderer to be in possession of the latest standards and codes as listed above in the execution of this project.

C.3. Foskor Specifications

All work listed in this scope of work shall be completed in accordance with the specifications listed below.

Those specifically applicable to this Tender is **marked with “YES”, however** it does not exclude other specification listed or implied, and it remains the Tenderer’s responsibility to ensure that work execution and tender prepared is in line and meets the requirements of all standards indicated or not.

| Number | Title / Description | Version | Applicable |
|------------------------|---|---------|------------|
| OTHER | STANDARDS on this Tender | | |
| APPLICABLE | FOSKOR SPECIFICATION on this Tender | | |
| E003 | Industrial Electrical Installations | Latest | |
| EC1 | Installation, Testing and Commissioning of Electrical Equipment | Latest | |
| FC005 | General Earth Works to Plant and Building | Latest | |
| FD001 | Design Criteria for Structures | Latest | |
| FG001 | General Requirements for Projects | Latest | Yes |
| FL001 | Design & Fabrication Criteria for Ladders & Walkways | Latest | |
| FM001 | General Mechanical Specification | Latest | |
| FM003 | Welding of Fabricated Equipment | Latest | |
| FQ001 | General Engineering Quality Requirements | Latest | |
| FS 001 | Specification for the Fabrication & Erection of Structural Steel Work | Latest | |
| GM5 | Pipe Standards Including Auxiliary Equipment | Latest | |
| GM6/COP9 | Engineering Drawing and Document requirements | Latest | |
| GQ1 | Quality Control Procedure for Contractors | Latest | Yes |
| GS1 | Structural Steelwork and Plate Work Fabrication and Erection | Latest | |
| MC001 | Corrosion Protection Colour Coding | Latest | |
| MC004 | General Plant Painting Specification Low Temperature | Latest | |
| MC006 | Repair/Touch-up of Damaged Steelwork | Latest | |
| MC009 | General Plant Protection High Corrosive Areas | Latest | |
| SS-000000-C-006 | General specification for concrete construction | Latest | |
| SS-000000-C-007 | Concrete specification | Latest | |
| SS-000000-C-012 | Grouting | Latest | |
| SS-000000-Q-001 | General quality requirements | Latest | Yes |

| | | | |
|-------------------------|---|--------|------------|
| SS-000000-S-001 | Fabrication and erection of structural steelwork | Latest | |
| DD-000000-C-001 | Civil design criteria | Latest | |
| DD-000000-S-001 | Structural design criteria | Latest | |
| ASTM C-279 | Standard Specification for Chemical-Resistant Masonry Units | Latest | Yes |
| ASTM C20 | Standard Test Methods for Apparent Porosity, Water Absorption, Apparent Specific Gravity, and Bulk Density of Burned Refractory Brick and Shapes by Boiling Water | Latest | Yes |
| ASTM C133 | Standard Test Methods for Cold Crushing Strength and Modulus of Rupture of Refractories | Latest | Yes |
| ASTM C373 | Standard Test Method for Water Absorption, Bulk Density, Apparent Porosity and Apparent Specific Gravity of Fired Whiteware Products | Latest | Yes |
| DIN 28062 | Building Materials for Brick Lining; Classification, Properties, Testing | Latest | Yes |
| DIN EN 993-1 | Determination of Bulk Density, Apparent Porosity and True Porosity | Latest | Yes |
| DIN 51067 | Determination of the Crushing Strength at Room Temperature (CCS) on Refractory Materials | Latest | Yes |
| DIN 51068 Part 1 | Determination of the Resistance Against Thermal Shock | Latest | Yes |
| DIN 51102 Part 2 | Determination of the Resistance Against Sulphuric Acid | Latest | Yes |
| | | | |

It is the responsibility of the Tenderer to be in possession of the latest specifications as listed above or implied in the execution of this project.

The Contractor is referred to the Specification mentioned for full descriptions of materials and methods referred to in these Bills of Quantities/Lump Sum documents, insofar as they apply.

The Contractor is advised to study the referred to specification before pricing Bills of Quantities/Lump Sum documents.

No claim whatsoever will be allowed in respect of errors in pricing due to brevity of description of items in the Bills of Quantities/Lump Sum documents which are fully described when read in conjunction with the relevant Preambles and/or Specifications.

Suppliers of materials and the like, whose quality systems apply with one or more of the SABS/SANS ISO 9000 Series should be used whenever possible in the absence of a particular SABS/SANS Specification Standard Mark.

The Contractor is hereby informed that where SABS/SANS Specifications are referred to in these Bills of Quantities/Lump Sums documents and Specifications thereto, then ONLY the Specification of Work
Clauses will apply. The method of measurement and payment clauses will NOT apply to this Contract.

C.4. Project Requirements

The main works is of ACID BRICK LINING nature and requires the supply of all (including but not limited to):

- Materials.
- Specifications.
- Labour.
- Tools.
- Consumables;
- transport

The Contractor shall further ensure that all work is executed with a detailed quantity of work and/or design detail is provided and complies with the specifications as set out in this document.

C.5 Plant Data

All work listed in the document will be constructed for installation at the **FOSKOR RICHARDS BAY PLANT, 21 JOHN ROSS PARK**

C.6. Drawings and/or Equipment Manuals

The following drawing, data and/or manuals remain the property of Foskor (Pty) Ltd and shall be returned to Foskor (Pty) Ltd on completion of the work.

| Drawing No. | Title / Description | Revision |
|--------------|----------------------------|----------|
| 2686-101-002 | Drying-Interpass Pump Tank | I |
| | | 0 |
| | | |
| | | |

All work listed in this Scope of Work shall be completed in accordance with the latest copies of drawings/specifications as listed above. It is the responsibility of the Tenderer to ensure that the Tenderer has the latest copies of drawings/specifications as listed above for the execution of this project.

On completion of the project the Contractor must certify all documentation and drawings for correctness and conformance, specifying which standards and regulatory acts these conform to.

C.7 Scope of Work - General

The scope of work calls for a suitable CIDB grade **3 CE** Contractor to execute the work and includes the following:

Demolition and construction of new brick lining to Acid Circulation Pump Tank. The supply of any equipment/material that is suggested by the Contractor must be approved by Foskor.

All specialized equipment/material shall be installed as per recommendation by the manufacturer of the supplied material/equipment. Any deviations from Manufacturer recommendations must be suitably justified.

All completed work will be inspected and approved by Foskor. The Contractor shall ensure that all 'acceptance approvals' are received from Foskor (Pty) Ltd before proceeding to the next stage.

After completion of brick lining work, the Contractor must allow for final inspection, passing & Handover of the project works with Foskor (Pty) Limited and the nominated Contractor.

The Work calls for the successful design as required to make such a facility functional for its purpose – "Fit-for-Purpose".

The project to be undertaken in terms of the latest revisions and amendments of all relevant legislation, standards, and Codes of Practices. The Contractor will complete the Works in accordance with all statutory obligations, municipal regulations and all other relevant requirements.

The design, selection, and supply of all equipment to be supplied by the Contractor shall be approved by Foskor.

All work carried out shall be in accordance with the Installation recommended or specified by the manufacturer of the supplied material.

C.7.1 Scope of Work – Extent

The Scope of Work (“Works”) calls for the successful completion of the execution of **the works/services as described in this document** and all the relevant associated works that is required to make such a facility functional for its purpose. The project will be undertaken in terms of the latest revisions and amendments of all relevant legislation, standards, and Codes of Practices. The contractor will complete the Works in accordance with all statutory obligations, municipal regulations, and all other relevant requirements. The Contractor is specifically reminded of the requirements in terms of the Occupation Health and Safety Act, Act 85 of 1993 and latest amendments in terms of this project.

The scope of work includes and is not limited to:

Demolition and re-construction of acid-resistant brick lining inside of the Drying & Interpass Acid Circulation Pump Tank. The repair work involves breaking out defective brick lining, stripping off existing rubber lining, priming steel shell after metal preparation and grit blasting, application of new corrosion protection underlay and the installation of new acid-resistant brick lining.

Supply, and install acid proofing systems suitable and effective to withstand the following parameters with minimal adverse impact:

- Sulphuric acid level of $\text{ph} < 1$ (concentration of 98,5%),
- Design temperature: 122°C.

C.7.1.1 Removal of existing brick lining on Acid Circulation Tank

- a) Carry out risk assessment and prepare method statement.
- b) Arrange adequate temporary support structure and/or props. Foskor to provide scaffold and quick stage props with end-jacks at the request of the Contractor.
- c) Saw-cut 50mm deep to break acid brick lining into sections.
- d) Break out and remove the old brick lining. Rubble to be loaded into Foskor skips.
- e) Strip off and remove existing underlay lining to wall and floor.
- f) Absolute care must be taken in preventing scaw marks and indentations of the steel shell. The tender will be liable for repairs to damage caused by breaking and removal of brick lining.
- g) Remove all rubble from inside the vessel and dispose of it into free issue skips.

C.7.1.2 Metal repair and Grit blasting by maintenance

- a) Supply and apply suitable primer to inner wall and floor of shell after metal repair and grit blasting.

C.7.1.3 Installation of underlay lining to Acid Circulation Tank

- a) Supply and install suitable corrosion repair agent and repair scaw-marks and indentations on the steel shell.
- b) Supply and install cast-in ceramic sleeves (sizes 50mmø, 110mmø, 200mmø) to nozzles for drain outlet and balancing outlet prior to underlay lining.
- c) Supply and install suitable rubber lining such as a 3mm coat of Pecora Mastic and adhesives or similar approved to inner wall & floor of shell including nozzles, manhole cover and nozzle flanges.
- d) Supply and install suitable underlay such as Teflon and Asbestos paper to inner shell surfaces including nozzles, manhole cover and nozzle flanges or similar approved.
- e) Contractor to provide underlay linings PTDS (product technical data sheet).
- f) Contractor to provide corrosion and metal repair agent PTDS (product technical data sheet).

C.7.1.4 Installation of new brick lining on Acid Circulation Tank

- a) Supply suitable mortar for the installation of acid brick lining such as potassium silicate mortar or similar approved mortar.
- b) Construct brick lining top and bottom layer with straight bricks for tank floor 9"x4½"x3". Bricks to be supplied by Foskor.
- c) Construct one line of wedge bricks 9"x4½"x3"x2½", 9"x4½"x3"x2 ¾" right-round the tank. Bricks to be supplied by Foskor.
- d) Construct single layer of brick lining on the walls with circle bricks 9 x8 11/16"x4 ½"x3". Bricks to be supplied by Foskor.
- e) Fill brick lining openings, edges and expansion joint with twist type ceramic rope dipped in Pecora Mastic.
- f) Finish above rope caulking around all openings and brick edges with 50mm minimum mortar.
- g) Contractor to provide mortar PTDS (product technical data sheet).

C.7.2 Site Conditions

The site is located on the Foskor (Pty) Ltd Richards Bay Plant, approximately 300 meters from the main entrance, at the section of the plant known as the Sulphuric Acid A&B-Plant. The Tenderer is deemed to have viewed the site and to have thoroughly acquainted himself with the extent, nature and conditions affecting the work to be done before submitting his tender.

Access to the area is free of obstructions, however the Contractor must take note that unexpected leaks if any will take priority for containing of these and returning to a safe working condition.

It will be imperative for the successful Tenderer to liaise with Foskor (Pty) Ltd.'s designated team leader (Foskor representative) to ensure safety whenever site access is required.

Full acid-resistant PPE (personal protective equipment/clothing) must always be worn/used.

Be cautious of Foskor equipment, employees and contractor employees doing their routine maintenance and daily duties in the area always.

As it will be deemed that the prevailing conditions have been considered when tendering, no claims for extras arising from failure to observe all site conditions will be admitted.

C.7.3 Services which are known to exist on the site

The following services exist on the site:

- Water and air pipes.
- Sulphuric Acid pipes
- Electrical cables and racking

7.3.1 Foskor Supplied Services

| Foskor (Pty) Ltd shall be responsible for: | | Applicable: |
|--|---|-------------|
| 1 | Supply a copy of the relevant Foskor Procedure Specification(s). | refer C.3 |
| 2 | Supply a copy of reference drawings if required. | refer C.6 |
| 4 | Provide access to electricity connection points. <ul style="list-style-type: none"> Any connection and consumption will be monitored by Tenderer and verified by Foskor on defined intervals (usually at the beginning and end of contract) | YES |
| 5 | Provide access to potable water. <ul style="list-style-type: none"> Connection and consumption would need to be monitored by Successful Tenderer (Contractor) and verified by Foskor on intervals (usually at the beginning and end of contract) defined by Foskor | YES |
| 6 | Provide a suitable area for site establishment for Successful Tenderer (Contractor). <ul style="list-style-type: none"> Successful Tenderer to formally in writing motivates, request and define the area and services it deems necessary for site establishment. Foskor will at its own discretion (if request is approved) allocate a site establishment area, however Foskor can it deem necessary retract or re-define its approval by giving reasonable notice to the successful Tenderer | ON REQUEST |
| 7 | Provide access to ablutions facilities. (not changing rooms) <ul style="list-style-type: none"> Successful Tenderer (Contractor)'s workers to be fully dressed in required PPE when coming on site. The successful Tenderer to ensure that its workers/subcontractors/ supplier that are making use of facilities, do so in an orderly and well-mannered way. Successful Tenderer is not allowed to make use of Foskor's change room or tearoom facilities unless agreed to in writing. The successful Tenderer might be called on to assist with the maintenance and cleaning of ablutions, should Foskor at its discretion be of the opinion that it be necessary. Cost associated with such cannot be claimed from Foskor (Pty) Ltd. | YES |
| 8 | Assist in issuing work clearances and HIRA certificates. | YES |

7.3.2 Successful Tenderer (Contractor) Responsibilities

| The successful Tenderer (Contractor) shall be responsible for (inter alia): | | Applicable: |
|---|---|-------------|
| 1 | Supply of own labour, supervision, equipment, specialized manpower and other staff to fulfill the scope of work. | YES |
| 2 | Supply suitable (approved) Personal Protective Equipment (PPE) | YES |
| 3 | To ensure that all work is reviewed by designated Foskop (Pty) Ltd representative at all stages and/or agreed milestones of the project. All work completed needs to be inspected and approved by the designated Foskop representative (e.g. Project Supervisor/ Manager) | YES |
| 4 | After installation/construction and commissioning the successful Tenderer shall conduct final inspection of all work together with designated Foskop (Pty) Ltd representative to compile SNAG list. | YES |
| 5 e | To ensure that all acceptance approvals as per the Quality Control Policy (QCP) are received before work is finally handed over. | YES |

Note that concerning above:

- i. No claims towards losses will be accommodated.
- ii. All items that the Successful Tenderer will bring to Foskop (Pty) Ltd, will be subjected to review and approval by Foskop (Pty) Ltd and shall conform to Foskop procedures.

C.7.4 Certification by Recognized Bodies

Only Tenderers registered with the relevant Board (e.g. Electrical, National Building, etc.) of South Africa in accordance with the Regulations of the Occupational Health and Safety Act will be accepted and permitted to do work under this contract.

C.7.5 Requirement for the termination, diversion, or maintenance of existing services

Only Applies if/where electrical conductors, pipe conduits, electrical transmitters, ducting or ventilation services are affected. Unless identified as part of the scope, the Contractor must immediately bring to Foskop's attention any previously unspecified or obstructing services existing in his area of work without terminating/diverting/hindering such services.

C.7.6 Nominated Sub-Tenderers

Should the tenderer anticipate using Subcontractors for any part of the scope, these must be specified below

The following Sub-Tenderers are nominated:

| Contractor | Concerning Works | Contact |
|------------|------------------|---------|
| | | |
| | | |
| | | |
| | | |

C.7.7 Invoicing and Payment

Payment will be made by Foskor (Pty) Ltd, after approval (with consideration for the construction, completion and defects corrections of the Works) by the Foskor (Pty) Ltd's Project Representative (i.e. Engineer, Project Supervisor) of the submitted Payment Certificate to the Tenderer within **30 (thirty)** days from the date of the Tenderers approved statement.

The invoice shall be approved in accordance with the provisions of Foskor (Pty) Ltd.'s terms and conditions.

The invoice submitted is to be in a format acceptable to the Foskor (Pty) Ltd.'s Project Representative and needs to contain the following minimum information:

- Company details, registration no and VAT registration no,
- Purchase Order no & Date of Invoice,
- Copy of Purchase Order,
- Detail description of work done to date,
- Value of the current claim and work done (excl. VAT),
- VAT charged.

C.7.8 Standing Time

Standing time is defined as a period measured in hours, when the Contractor's normal operational cycle is affected by causes caused by Foskor (Pty) Ltd and results in normal stoppage or major disruption to the regular progress of the Works.

Payment to the Contractor for standing time will be certified only where, in Foskor (Pty) Ltd.'s opinion, the delay was clearly beyond the reasonable control of the Contractor and

the Contractor further took all reasonable measures to avoid or reduce such delay and such delay imposed direct costs to the Contractor.

C.7.9 Progress of Works

Should Foskor (Pty) Ltd at any time be of the opinion that the rate of progress of the Works or any part thereof is too slow to ensure the completion of the Works or any part thereof by the Completion Date, Foskor (Pty) Ltd shall so notify the Contractor in writing, with specific reference to this Clause, and the Contractor shall thereupon, subject to the approval of Foskor (Pty) Ltd take such steps as are necessary to expedite progress so as to complete the Works or the said part thereof by the Due Completion Date.

C.7.10 Penalty

If the Contractor, by the Due Completion Date, fails to complete the Works to the extent which entitles him to receive a Certificate of Practical Completion, the Contractor shall be liable to Foskor (Pty) Ltd for an amount of **0.1% for every Calendar Day that the works is late or such portion of the contract price as is associated with that part of the Works.**

The imposing of such a penalty shall not relieve the Contractor from the obligation to complete the Works or from his obligations and liabilities under the Contract.

C.7.11 Claims: Extension of Time for Completion, Additional Payments, or Compensation**C.7.11.1 Claims Procedure**

The following provisions shall apply:

- i. Claims are to be submitted in writing within **7 days** after the circumstances, event, act or omission giving rise to such claim has arisen or occurred to the Foskor (Pty) Ltd Project Representative
- ii. Submit **written notice** to the Foskor (Pty) Ltd Project Representative of the intention to claim within **7 days** after the circumstances, event, act or omission giving rise to such claim has arisen or occurred. The Notice and subsequent claim to set out:
 - a. Particulars of the circumstance, event, act or omission giving rise to the claim concerned.
 - b. Provisions of the portion of the contract on which he intends to make the claim.
 - c. Length of extension of time, if any, claimed and the basis of calculation thereof, and
 - d. The Price Adjustment, if any, claimed and the basis of calculation thereof.
- iii. If the Contractor cannot reasonably comply with any of the provision above within the said period 14 days, he shall:

- a. Notify the Foskop (Pty) Ltd Project Representative in writing of his intention to make the claim and comply with such requirements as he reasonably can.
- b. Deliver additional information in writing that is reasonably required by Foskop (Pty) Ltd; and
- c. Comply as soon as practical with such requirements as described above in this clause, within a time agreed to by the Foskop (Pty) Ltd Project Representative.

C.7.11.2 Extension of Time for Completion

The whole work shall be completed within the time agreed upon.

If any circumstances of any kind whatsoever may occur and as such, fairly entitle the Contractor to any extension of time for the completion of the works or portion thereof, then the Foskop (Pty) Ltd Project Representative will consider a claim duly submitted.

C.7.12 Cancellation of the Contract by Foskop (Pty) Ltd

If:

- (a) (i) The estate of the Contractor shall be sequestered (provisionally or finally), or
- (ii) The Contractor shall publish a notice of surrender of his estate as insolvent, or
- (iii) The Contractor, being a company or a close corporation, shall go into liquidation (provisionally or finally), or
- (iv) The Contractor shall assign the Contract without the consent in writing of Foskop (Pty) Ltd having first been obtained, or
- (v) The Contractor shall enter a compromise with the general body of his creditors, or
- (vi) The Contractor shall have an execution levied on his goods, or
- (b) the Foskop (Pty) Ltd Project Representative shall certify in writing to Foskop (Pty) Ltd, and to the Contractor/Consultant, with specific reference to this Clause, that in his opinion the Contractor/Consultant:
 - (i) has abandoned or repudiated the Contract, or
 - (ii) has, without reasonable excuse, failed to commence the Works in terms of the time allowed and agreed to, or
 - (iii) has suspended the progress of the Works without due cause, or
 - (iv) has failed to proceed with the Works with due diligence, or
 - (v) is not executing the Works in accordance with the Contract, or
 - (vii) has, without the approval of the Foskop (Pty) Ltd Project Representative, subcontracted any part of the Contract, or

- (viii) has failed to provide the Surety ship, Professional Indemnity within the time stipulated and for 14 days after receiving a written notice from the Foskor (Pty) Ltd Project Representative, referring specifically to the default concerned and to this Clause, failed to remedy the default,

C.8 Foskor Safety Documents to be submitted, Environmental and Site Management

C.8.1 SHREQ Requirements

The successful Tenderer will be required to comply and ensure continuous compliance with

Foskor standards and national regulations:

- Compliance with COP6 (Contractor Management).
- Compliance and signing of Section 37(2) Agreement in terms of the OHSAct at the Foskor (Pty) Ltd Safety Department.
- Compliance with Legislation requirements which includes the OHSAct, NEMA (National Environment Management Act) and other relevant applicable Legislation.
- *Copy of requirements available from Foskor SHREQ Department.*

C.8.2 Environmental Management Specifications

To ensure that the construction works are designed for an environmentally sensitive area, strict compliance with the Environmental Management Plan (EMP) guidelines may be requested after appointment of the contractor.

The EMP shall be part of the terms of reference for all contractors/consultants, sub-contractors/consultants, and suppliers.

A copy of the EMP requirements is available from Foskor (Pty) Ltd SHREQ department.

All MSDS's to be submitted to Foskor (Pty) Ltd.

Waste disposal needs to comply with Foskor (Pty) Ltd Waste Management Plan.

C.9 OHSA 1993 Health and Safety Specification

This specification covers the health and safety requirements to be met by the successful Tenderer (Contractor) to ensure a continued safe and healthy environment for all workers, employees, and subcontractors/consultants and for all other persons entering the site of works.

This specification shall be read with the Occupational Health and Safety Act (Act No 85 and amendment Act No 181) 1993, and the corresponding Construction Regulations 2003, and all other safety codes and specifications referred to in the said Construction regulations.

C.9.1. Health and Safety Induction

The successful Tenderer (Contractor) shall ensure that all employees under his control, including the subcontractors/consultants and their employees, undergo a health and safety induction training course by a Foskor competent person before entering site.

- a. The Contractor shall prepare a safety plan for the work to be done.
- b. The contractor must appoint a qualified Safety Officer with at least Diploma in Safety Management or SAMTRAC or both either on a full-time or part-time basis to conduct the following responsibilities:
 - Conduct and submit audits monthly
 - Conduct and submit inspections monthly
 - Compile and submit safety monthly report to Safety Department.
 - Perform safety talks and awareness training and submit evidence to Foskor.
 - Visibility on Site.
 - Conduct inspections on PPE and provide evidence to Foskor.
 - Continuously update Safety file.
- c. The Contractor to submit a comprehensive task-based risk assessment that has acknowledged the Foskor baseline risk assessment and method statement.
- d. The Contractor to appoint a full-time Supervisor to manage and supervise all the activities of his/her employer.
- e. All new work activities must have scope of work and communicated to Safety Department before starting with the work with exception of emergency breakdowns.
- f. All maintenance emergency works and consultants are exempted from the above-mentioned safety requirements
- g. The Contractor shall ensure all his/her personnel have attended the Safety Induction, by Foskor (Pty) Ltd before they enter the site.
- h. The Contractor on entering site, must wear Foskor minimum required PPE at all times namely safety glasses, acid resistant overalls, safety harnesses (on heights), safety boots or steel cap gumboots, ear protection and **gas masks (Halfmask double filter – screw type with filter type A1B1E1K1 – North Safety Product or similar approved product) and goggles**

(Uvex ultravision – W1663459B – DIN CE 0196) preferably in a pouch. Should a Contractor be found on site without the above-mentioned safety clothing, he will be removed from site and will not be allowed to return. FFP3 dust mask fitted with an exhalation valve must be used when working in dust in on the B&D Store.

- i. **Overalls must be Blue Sweet Orr overall (80% Ployester 20% Viscose Rayon Acid repellent) with Company names either on front of jacket or back OR Blue North Safety Acid/Flame overall (Flame retardant acid resistant anti-static ATPV 15.4CAL/CM2) with company names either on front of jacket or back and fluorescent reflective strips to be stitched onto sleeves and on the knees.**
- j. The Contractor shall demarcate the relevant work area. The Contractor shall supply and erect an appropriate name board with all relevant information and contact details at the work area.
- k. The job risk assessment shall be carried out at the start of each shift. This risk assessment shall cover all activities planned for the relevant shift. The risk assessment shall be submitted to Foskor (Pty) Ltd at the start of each day shift and each night shift.
- l. The Contractor must take safety precautions when working on site.
- m. The Contractor must remove all their equipment within 48 hours after project completion/closure.
- n. A complete safety file to be submitted to Foskor (Pty) Ltd Safety Department before any work commences.
- o. The Contactor's vehicle when entering the Plant must have rotating orange lights on at all times.
- p. **The Contractor and their employees must undergo a full medical at either Foskor (Pty) Ltd's Clinic or Caredoc Richards Bay or their approved by Foskor (Pty) Ltd. A full lung function test must be done. If a project is longer than twelve months, then a complete medical including lung function tests must be done again and thereafter the lung function test. Medical certificates are valid for one year only. For medical costs and bookings please contact Sister Nkosazana Nxumalo at Foskor (Pty) Ltd Clinic on 035 902 3267.**
- q. A once-off fee is also required for access cards from Foskor Security. Please contact Foskor (Pty) Ltd Security Reception at 035 902 3267 for information.
- r. No access to elevated platforms, roof and scaffolding will be allowed during rainy days.

NB

A Contractor that has been awarded work shall register with the HSEC Online, which is a Contractor management system for Foskor Acid Division where all Contractors are required to submit their safety files.

MANDATORY AS ENVISAGED BY SECTION 37(2) OF THE ACT

By the submission of a contract, any tenderer will, if awarded the contract to which this tender document relates, be deemed to be mandatory as envisaged by Section 37 (2) of the Act.

As a mandatory the successful tenderer will be deemed to be the "principal contractor" and an employer in his/her/their own right with duties as prescribed in the Act and accordingly will be deemed to have agreed to be solely responsible for ensuring that in connection with the service to which this tender document relates, all work will be performed in accordance with the Act.

It is further noted that: -

- a) The Contractor shall comply with all Foskor Regulations and Safety Standards.
- b) The Contractor shall fully comply with the OHS Act (Act 85 of 1993).

IMPORTANT NOTE

The above is a summary of some of the matters as defined in the Act. The successful Tenderer (Contractor) is required and advised in his own interest to make a careful study of the Act and the Construction regulations.

Ignorance of the Act and the Regulations will not be accepted in any proceedings as a valid reason if non-conformance to the Act and the Regulations are committed.

C.10. Applicable General Conditions of Contract

Unless expressly otherwise indicated, Foskor General Conditions of Contract and the FIDIC terms of Contract would apply, and is available from the Manager Procurement Foskor Richards Bay.A

C.11. Quality Management

The successful Tenderer is to adhere to Foskor (Pty) Ltd.'s Quality Management System and specifications incorporated in this Tender Document.

To ensure that all installations are carried out in a controlled manner, the Contractor shall demonstrate this by means of the internal quality system, which shall include as a minimum a QCP for each piece of equipment. The QCP must be approved by Foskor before commencement of any work.

C.11.1 Quality Control:

- i. A detailed QCP (Quality Control Plan) shall be submitted within 3 days of the contract award.
- ii. Quality of work must be always monitored and controlled at a high level.
- iii. At each hold and witness point all work shall be suspended until the specified inspection has been completed and the QCP updated and signed accordingly by Foskor (Pty) Ltd or its representative.
- iv. At each milestone, the designated Foskor (Pty) Ltd Quality Representative must approve of the quality and standard of work being produced.
- v. It shall be the responsibility of the Successful Tenderer (Contractor) to give Foskor (Pty) Ltd timely notice of hold and witness points requiring their intervention.

C.12 Tender Returnable

The supplier shall submit the following supporting documents:

- i) Initial project schedule (Bar chart/Gantt chart).
- ii) Method statement
- iii) Quality control plan.
- iv) Traceable records of similar contracts undertaken and references.
- v) Project team organogram indicating C. Vs of individuals.
- vi) Valid CIDB 3 CE grading certificate.
- vii) Priced bill of quantities completed in Foskor format.
- viii) MTDS/PDS/MSDS (product/material technical/safety data sheet) for mortar powder, resin and pecora mastic.

Section D – Bill of Quantities

| FOSKOR LIMITED RICHARDSBAY | | Project Name | BRICKLINING REPLACEMENT TO ACID CIRCULATION PUMP TANK: SULPHURIC ACID A-PLANT SHUTDOWN 2025 | | | |
|--|---|-----------------|---|------|--------|--|
| | | Contract Number | | | | |
| | | Project Leader | Nhlakanipho Myeni | | | |
| | | Project Client | Sulphuric Acid Plant | | | |
| Item No. | Description | Unit | Qty | Rate | Amount | |
| | SECTION NO. 1 PRELIMINARY AND GENERAL | | | | | |
| 1.1 | Full medicals | Per/person | | | | |
| 1.2 | Plant access cards | Per/person | | | | |
| 1.3 | PPE (Acid proof overalls, hard hat, steel toe cap safety shoes, safety goggles, safety glasses, hearing protection, safety gloves, gas respiratory pack- Supplier to specify number of personnel to work on this project. | Per/person | | | | |
| 1.4 | Tychem 4000 for all 2 shifts crews for the duration of the project. | Per/person | | | | |
| 1.5 | Safety officer | hr | | | | |
| SUB TOTAL OF SECTION NO. 1: PRELIMINARY AND GENERAL, CARRIED FORWARD TO FINAL SUMMARY | | | | | | |

| | | | | | | |
|--|-----------------|---|-----------------|---|-----------------|-------------------|
| <div>FOSKOR</div> <div>FO SKOR LIMITED RICHARDSBAY</div> | | <div>Project Name</div> <div>Project Leader</div> <div>Project Client</div> | | <div>BRICKLINING REPLACEMENT TO ACID CIRCULATION TANK: SULPHURIC ACID A-PLANT SHUTDOWN 2025</div> <div>Nhlakanipho Myeni Sulphuric Acid Plant</div> <div>Rev. 0</div> | | |
| | <div>Item</div> | <div>Description</div> | <div>Unit</div> | <div>Qty</div> | <div>Rate</div> | <div>Amount</div> |
| | | <div>These Provisional Bill of Quantities have been measured in accordance with the Sixth Edition of the Standard System of Measuring Builder's Work. Where discrepancies arise the relevant party must be informed immediately. Unless the scope of work changes no extras will be entertained</div> <div>These Bills of Quantities are provisional and are subject to re-measure and should be priced in conjunction with drawing no. if it's applicable.</div> <div>SECTION NO. 2: PREPARATION AND INSTALLATION</div> <div>Removal of existing bricklining</div> | | | | |
| | 2.1 | Break out and remove existing acid bricklining, load into Foskor skips. | m² | 155 | | |
| | | Supply and Installation of underlay lining | | | | |
| | 2.2 | Supply and install suitable scaw-mark and corrosion repair agent and repair scaw-marks and indentations on the steel shell | m² | 155 | | |
| | 2.3 | Supply and apply suitable primer and adhesives such as Pecora Mastic primer to inner shell surfaces including nozzles, manhole cover and nozzle flanges | m² | 155 | | |
| | 2.4 | Supply and install suitable underlay such as Teflon and Asbestos paper to inner shell surfaces including nozzles, manhole cover and nozzle flanges or similar approved | m² | 155 | | |
| | | Installation of new bricklining on Acid Circulation Tank | | | | |
| | | Brick will be supplied by Foskor | | | | |
| | 2.5 | Supply mortar suitable for sulphur resistant lining such as potassium silicate or similar approved mortar | m² | 155 | | |
| | 2.6 | Construct brick lining double layer with straight bricks for tank floor 9"x4½"x3" and one line of wedge bricks 9"x4½"x3"x2½", 9"x4½"x3"x2 ¾". Bricks to be supplied by Foskor | m² | 70 | | |
| | 2.7 | Construct single layer of bricklining on the walls with circle bricks 9 x8 11/16"x4 ½"x3". Bricks to be supplied by Foskor | m² | 85 | | |
| | 2.8 | Supply and install twist type ceramic rope caulking 30m around openings, on brick edges (20-50mm thick) and fill expansion joint with ceramic rope (261m on bottom layer and 159m on top layer) dipped in Pecora Mastic. | m | 420 | | |
| | 2.9 | Supply and Install cast-in ceramic sleeve for drain outlet 50mm diameter. | m | | | |
| | 2.10 | Supply and Install cast-in ceramic sleeve for balancing outlet 200mm diameter. | m | | | |
| | 2.11 | Supply and Install cast-in ceramic sleeve for overflow outlet 110mm diameter. | m | | | |
| | | FINAL SUMMARY | | | | |
| | | SECTION NO. 1: PRELIMINARY AND GENERAL | | | | |
| | | SECTION NO. 2 : PREPARATION AND INSTALLATION | | | | |
| | | Total excluding VAT carried to form of tender | | | | |

| | | | |
|--|--|--|---|
| Tender No. | : FOSRBY- -25/26 | | |
| No. | Mandatory | | |
| 1 | CIDB grading certificate | 3CE | |
| 2 | Qualified Brick Layers | Provide brick laying certificates for all brick layers to be used in this project. | |
| 3 | SACPCMP Registration: Health and Safety . | Valid proof of registration certificate | |
| TECHNICAL REQUIREMENTS (Evaluation Criteria) | | | |
| No. | Technical Criteria Description | Contribution% | Proof/Documents to be submitted |
| 1 | Compliance with Scope of Work Specifications - Weight not to be less than 50% | | |
| a) | Suitability of methodology in alignment with safe work procedure and care of environment. Scoring: A construction method statement to includes a project overview, roles and responsibilities, a step-by-step work procedure, risk assessments and safety measures, quality control procedures, resource allocation, and emergency procedures Scoring: Acceptable =15% , Not Acceptable = 0% | 15% | Tenderer to submit a method statement that is relative to the project. |
| b) | Material specification compliance-MSDS (material safety data sheet for mortar powder, rasin and pecora mastic. Scoring: If MSDS for mortar powder, resin and pecora mastic submitted = 35% , If all MSDS not submitted =0% | 35% | Tenderer to submit MSDS (material safety data sheet) to assures the reliability and quality of products to be used. |
| | | | |
| 2 | Supplier reliability to complete the project safely within time, quality, and budget - Weight not to be less than 35% | | |
| a) | Suitability of project schedule in alignment with Foskor guide as per B.2 of tender document presented within realistic timeline. Project schedule to indicate the following: Applicable activities/tasks Realistic duration Resources allocation Scoring: Acceptable = 20% , Not Acceptable = 0% | 20% | Tenderer to submit project schedule in MS. Projects format |

| | | | |
|--|---|-------------|---|
| b) | <p>Previous experience in similar work, environment, magnitude and complexity.</p> <p>Previous experience with acid resistant linings.</p> <p>5 or more References will be 15%</p> <p>4 References will be 10%</p> <p>≤3 Reference will be 0%</p> | 15% | Submit a list of projects undertaken and completed with description, duration of project starts and completion, project amount as well as appointment letters and completion certificates with contact details of references. |
| 3 Supplier experience & team competency - Weight not to be less than 15% | | | |
| 3.1 Site Manager/Supervisor/Quality Controller - Weight not to be less than 10% | | | |
| a) | <p>Experience Scoring</p> <p>Previous experience with installation of acid resistant lining</p> <p>Relevant experience of 5 years and greater is 10%</p> <p>Relevant experience of 1-4 years is equivalent to 2% to 8% respectively</p> | 10% | Submit CV with list of projects undertaken and completed with description, time of project start and completion, project Amount as well as references with contact details. |
| 3.2 Health and Safety Officer - Weight not to be less than 5% | | | |
| b) | <p>Experience as a Health and Safety Officer</p> <p>Scoring</p> <p>Previous experience with construction of similar projects in chemical plant.</p> <p>Relevant experience of 5 years and greater = 5%</p> <p>Relevant experience of 1-4 years is equivalent to 1% - 4%</p> <p>If previous experience is not submitted scoring = 0%</p> | 5% | Submit CV with list of projects undertaken and completed with description, time of project start and completion, project Amount as well as references with contact details. |
| Total Technical Score: | | 100% | |
| NOTE: For the bid to be considered, the bidder needs to score 70% and above and comply to with mandatory requirements | | | |
| DISQUALIFICATION CRITERIA ** Mandatory requirements not submitted | | | |



Signed with Impression - Chain of Custody



Signature Request

| | | | |
|-----------------------|--------------------------------------|-----------------|-------------------------|
| Signature Request ID: | 9cf07cff-b08e-4738-93a3-dbd08f03c76f | Timestamp: | 2025-09-15 16:52:00 GMT |
| Signee Name: | Mr Ramo Moroeng | Sender Name: | Nhlakanipho Myeni |
| Request Type: | WebSigning | Request Status: | WEBVIEWER SIGNED |

Original Document

| | | | |
|----------------|--|----------------|--------|
| Document Name: | SoWBricklining Replacement to DryInterpass Acid Circulation Tank.pdf | Document Size: | 1.7 MB |
|----------------|--|----------------|--------|

Email Evidence

| | | | |
|-----------------------|----------------------------|-------------------------|--|
| Signee Email: | ramom@foskor.co.za | Email Subject: | A document from Nhlakanipho Myeni is ready for signature |
| Email Sent Timestamp: | 2025-09-15T13:53:03.386880 | Email Opened Timestamp: | Not available in Silent Mode |

Web Evidence

| | | | |
|-------------------------|---|---------------------------|-------------------------|
| Signee IP Address: | 41.23.167.222 | Request Timestamp: | 2025-09-15 16:50:58 GMT |
| Signee GPS (if shared): | ZA: Mozilla/5.0 (Macintosh; Intel Mac OS X 10_15_7) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/139.0.0.0 Safari/537.36 | Terms Accepted Timestamp: | 2025-09-15 16:51:12 GMT |

Annotations and Modifications

| | | | |
|------------------------|---|---------------------------|---|
| Signature Count: | 1 | Form Fields Filled Count: | 0 |
| Text Annotation Count: | 1 | Initial All Pages Count: | 0 |
| Single Initial Count: | 0 | | |

Signing Evidence

| | | | |
|---------------------|---------------|-------------------|--------------------------------------|
| Signee Mobile: | +270000000000 | Sign Type: | WebSigning |
| Security Challenge: | NONE | Part of Workflow: | 1f91b14d-cafb-4bce-8762-89ef7cb1bb49 |

Chain Of Custody Generation

| | | | |
|-------------------------|--|---------------------|-------------------------|
| Attached Document Name: | 20250915T165200.515428Z SoWBricklining Replacement to DryInterpass Acid Circulation Tank.pdf | Attached Timestamp: | 2025-09-15 16:52:00 GMT |
|-------------------------|--|---------------------|-------------------------|

