

SCOPE OF WORK FOR THE SUPPLY OF A Plant IPAT Mist Eliminators

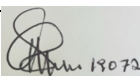
Tender no:

Revision¹: **1.0 see** legend at bottom of page

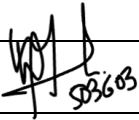
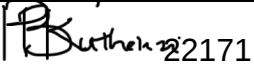
Revised date: 05/06/2025

NAME	TITLE	Empl. no	SIGNATURE	DATE
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COMPILED - RECOMMENDATION

Duncan Dlamini	Production Supervisor	19072		9 July 2025
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APPROVAL TO PROCEED

Vujaha Mabunda	Production Engineer	503603		9 July 2025
Precious Buthelezi	Snr Production Manager	22171		9 July 2025
Charles Mavuso	Snr Manager SHREQ	504688		9 July 2025
Ntsikelelo Lukope	Snr Manager Technical and CI	503295		10 July 2025
Sifiso Majola	Snr Maintenance Manager	15480		
Sam Mbuyazi	GM Acid Division	500441		14 July 2025

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SCOPE OF WORKS

1.0 Background, Present Situation and Proposed Solution

1.1 Background

Sulphuric Acid production at Foskor Richards Bay consists of three plants. Two of these three plants (A and B plant with a design capacity of 1800 MTPD of H₂SO₄) are part of the original design and are jointly referred to as the old section, which was commissioned in 1976, they are identical. The third plant (C plant with a design capacity of 2650 MTPD of H₂SO₄) is referred to as the new section of the plant, which was commissioned in 2002. The plants technology is a Monsanto Enviro-Chem Systems design.

Plant B & C underwent compliance shutdowns in 2024 to comply to the new SO₂ & SO₃ emission limits which were effective from April 2025 in Foskor Richards Bay site, the business has taken a decision to implement a compliance shutdown on A plant and the IPAT mist eliminators are one of the plant equipment identified that requires replacement.

1.2 Present Situation

During the late 2024 A plant statutory shutdown it was evident that the IPAT mist eliminators are not in a good condition and the plant has since been shut down from March 2025 due to the new emission limits which came into effect from the 1st of April 2025.

The IPAT mist eliminators are critical in preventing acid carryover from IPAT tower, acid carryover will lead to corrosion of downstream equipment (Gas-Gas Heat exchangers), damage/poisoning of the converter fourth pass catalyst and high SO₂ gas emissions which will necessitates the plant turndown for AEL compliance resulting in high operational cost and inability to meet the business objectives.

This necessitates the procurement of the IPAT mist eliminators before the plant can put on production for a sustainable & reliable operation within the stipulated AEL emissions limits.

1.3 Proposed Solution: Reason for this Tender

To address the above, Foskor calls on a reputable supplier to submit a bid to:

Supply Interpass absorption tower Mist Eliminators to the Foskor, Richards Bay site for the A Sulphuric acid plant.

1.4 Technical Details

Below is the Interpass absorption tower operational data for which the mist eliminators must be design for:

Plant Data

Acid inlet Temp	82 °C
Acid outlet Temp	125 °C
Acid Strength	98.3 - 98.55 %

Gas inlet to Tower Temp 190 °C - 225 °C

Gas Inlet Stram Pressure (Bar a) 1.25

Gas outlet from Tower Temp 82°C

Gas Outlet Stream Pressure (Bar a) 1.2

Gas Inlet stream flow Parameters:

Mass flow (kg/hr) 238 401

Act Flow rate (Nm³/hr) 229 581

Standard flow rate @ 0°C (Nm³/h) 156 874

Gas Inlet stream Components Flow rates:

SO₂, kmol/hr 30.6

SO₃, kmol/hr 742.3

O₂, kmol/hr 403

N₂, kmol/hr 5767

Ar(g), kmol/hr 68.1

H₂O(g), kmol/hr 0.00

Tower Packing Height (mm): 2790 mm

1.5 Hoisting / Offloading Equipment

Foskor Richards Bay takes on the responsibility of providing a crane and/or forklift for the offloading of the mist eliminators for the agreed upon delivery time between the supplier and customer viz. Foskor Richards Bay.

1.6 Pre-requisites & Inputs

FOSKOR Richards Bay will supply the successful Tenderer with the following:

- Equipment specified above in 1.5.
- Availability of duly authorised personnel to represent FOSKOR for this project
- FOSKOR technical specifications.

1.7 Legislation, Standards and Codes of Practice

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

Number	Title / Description	Revision
Act 85 of 1993	Occupational Health and Safety (OHS Act)	Latest

ISO 9000	Quality Systems Series	Latest
ASME IX	Qualifications Standards for Welding Specifications	Latest
FG 001	General Requirements for Projects	Latest
FQ 001	General Engineering Quality Requirements	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 Contractor to be in possession of the latest standards and codes as listed above in the execution of this contract.

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.

1.8 Project Requirements

The main requirement of the project is the Supply of Mist Eliminators with the following additional requirements:

- Guarantee that the physical integrity of the Mist Eliminators will be maintained.
- Guarantee the process performance of the Mist Eliminators.
- Supply of document containing Mist Eliminators physical properties.
- Safe installing and removing procedure for Mist Eliminators.
- It must be noted that the Interpass tower could operate at conditions where the acid flow could fluctuate, thus exposing the Mist Eliminators to a higher than specified temperature &/ acid mist for a short while, hence material selection of the Mist Eliminators is critical and must withstand variations of this nature.
- The specified Mist Eliminators must also be able to handle variations in sulphuric acid strength as is considered normal when operating plants of this nature.
- Specified mist eliminators must be able to handle low/ high acid temperature during abnormal plant conditions.

1.9 Plant Data

To deliver at

FOSKOR(Pty) LTD – RICHARDS BAY DIVISION,
21 JOHN ROSS PARKWAY,

RICHARDS BAY,
3900
SOUTH AFRICA

1.10 Drawings and/or Equipment Manuals

The drawing and data pack will become property of Foskor on execution of contract.

On completion of the project, the contractor must certify all documentation and drawings for correctness and conformance to the OHS Act.

1.11 Supplied Services

1.11.1 Foskor Supplied Services

Foskor shall be responsible for		Applicable:
1	Supply a copy of the relevant Foskor Procedure Specification(s).	YES
2	Supply the relevant Foskor Technical Specifications	YES
3	Supply a copy of reference drawings if required.	Refer 1.10
4	Supply equipment (if applicable)	Refer 1.5
5	Provide access to ablutions facilities. (Not change rooms) - Successful Tenderer (Contractor/Consultant)'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.	NO
6	Assist in issuing of work clearances and HIRA certificates.	YES
7	Make available duly authorized personnel to represent Foskor on this project	YES
8	Waste/ Scrap bins for disposal of waste (general and contaminated) where and when required. (Only if not part of the scope of works) Successful Tenderer (Contractor/Consultant) to indicate the type (no and size of bins) and frequency of waste disposal it would require.	ON REQUEST

1.11.2 Successful Tenderer (Contractor/Consultant) Responsibilities

The successful Tenderer (Contractor/Consultant) shall be responsible for (inter alia):		Applicable:
1	Supply suitable qualified and competent labor inter alia: general, specialized, artisans and supervision to fulfill the scope of work.	NO
2	Supply of tools and any specialized equipment.	NO
3	On approval of request for Site Establishment, to safely complete and set up site. ▪ On completion of works, site to be re-instated to original or accepted in writing as-is.	NO
4	Supply suitable (approved) personal protective equipment (PPE).	NO

1.12 Scope of Work

The Scope of Work ("Works") calls for the supply of **Mist Eliminators** and all the relevant associated works that is required to make such Mist Eliminators functional for its purpose.

Scope of supply: Mist Eliminators

NB. The specification shown below are those of the currently installed Mist Eliminators. Any improvements in terms of efficiency and construction are welcome must be clearly detailed in the quotation inclusive of the benefits.

Description	Interpass Absorption Tower
Type	Fibre Bed Mist Eliminators (EFF)
Quantity	36 (32 Installed, 4 Spare)
Frame	SS316L
Gasket	6 mm Glass/PTFE
Estimate mist load	2100 mg/m ³
Seal cups required	Yes (Flanged- 200 mm, H-250 mm)
Candle drainpipes	Yes (D - 2" or 50.8 mm)
Maximum Allowable ΔP	300 mm H ₂ O
%Efficiency required	100%, >3.0 microns 99%, <3.0 microns
Turndown ratio	2.57
Configuration	Hanging
Emission standard (IPAT Outlet)	0% SO ₃ & 99.67% SO ₂

Mist eliminators physical length restriction including the drainpipe and seal cup is 5000 mm

The following additional information must be catered for in this tender:

- Seal Cups: Size and drawing to be given. Drawing should consist of pipe size including schedule, flange thickness, PCD, flange OD and number of bolts.
- Gaskets: Material of Construction preferred is 6mm glass/PTFE or equivalent. The number of gaskets must be clearly stated.
- Bolts/Nuts/Washers: Material of Construction preferred is SS316L. Numbers and sizes must be clearly stated. Current bolt size is M12X35, nut size M12 and washer size is $\Phi 14$

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.

1.12.1 Extent of the Work

The Tenderer is to supply a tender with pricing for the supply of the Mist Eliminators as specified.

Please note that FOSKOR may accept or reject any part of a Tender without being obliged to accept such a tender in its entirety.

The Tenderer would determine the work methodology and approach; however, it is imperative that the outcome of the work meets the following requirements:

[Note: All references to **Contract** mean the same as **Tender**, and to **Contract Works** mean the same **Works** or **Scope of Works**.]

1.12.1 Supply of Mist Eliminators

The Tenderer shall, in accordance with the requirements of the Scope of Work, provide the Mist Eliminators on or before the due date determined in accordance with this Tender, and/or stated in a written order/instruction issued by FOSKOR.

(a) PACKAGING, MARKING AND DELIVERY

1. Unless otherwise stated in the Tender, all containers (including packing cases, boxes, tins drums and wrappings) supplied by the Tenderer shall be considered as non-returnable, and their cost having been included in the price of the Equipment.
2. The Tenderer shall:
 - a) clearly mark the outside of each consignment or package with the Tenderer's name and full details of the destination in accordance with FOSKOR's order and include a packing note stating the contents thereof.

- b) on dispatch of each consignment, send to Foskor at the address for delivery of the Mist Eliminators, and advice notes specifying the means of transport, weight, number, or volume as appropriate and the point and date of dispatch.
 - c) Send to Foskor a detailed priced invoice as soon as is reasonably practical after dispatch of the Mist Eliminators, and
 - d) State on all communications the relevant order number and code number (if any).
3. Mist Eliminators shall be delivered on the days, between the times and at the address specified by Foskor.
4. Should the Tenderer fail to supply any of the Mist Eliminators on the date or dates or within the period or periods specified thereof, or should he fail to replace any rejected Mist Eliminators as required by the Tender, the Tenderer shall be liable to make good to Foskor all loss and damage occasioned by such failure, including any reasonable price (whether greater than the appropriate Tender price or not) paid by Foskor in purchasing the Mist Eliminators on which default has been made, from a source other than the Tenderer. In such an event, Foskor shall be at liberty to retain the amount of any such loss or damage from any money due by Foskor to the Tenderer but without prejudice to other methods of recovery open to Foskor.

(b) **QUALITY OF Mist Eliminators**

1. All Mist Eliminators supplied shall comply with the requirements of the Scope of Work.
2. All Mist Eliminators covered by this Tender shall be always the subject of Foskor's inspection and test before, during or after supply.
3. If the Tenderer fails to supply Mist Eliminators or services in accordance with the provisions of the Tender, Foskor may reject any part of the Mist Eliminators by giving written notice to the Tenderer specifying the reason for rejection and whether replacement Mist Eliminators are required and within what time.
4. All rejects shall be held at the Tenderer's risk and expense including all transportation and handling costs until returned to or collected by the Tenderer. All rejects shall be replaced or rectified and made good at the Tenderer's expense within the specified replacement period to the full satisfaction of the inspectors and in conformity with the standards, specification, or samples specified in this Tender.
5. In the event of the tenderer failing to remove such rejected Equipment within 5 days of notification of the rejection, Foskor shall be at liberty to return them at the Tenderer's risk, the cost of carriage being recoverable from the Tenderer. If the Tenderer considers himself aggrieved, he may, within 5 days of the receipt of notification of rejection give the Foskor notice of objection, whereupon the Equipment shall not be removed until Foskor so directs.

(c) **WARRANTY**

Without prejudice to any other rights of Foskor under these conditions, the Tenderer warrants that:

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- i) all Mist Eliminators delivered will be free from defects.
 - ii) this warranty shall survive any inspection, delivery, acceptance, or payment by Foskor

1.12.2 Site Conditions

The site is located on the Foskor Richards Bay Plant; approximately **500** meters from the main entrance and access for vehicles **are** possible.

1.12.3 Location of the Works

The site is situated within the premises of Foskor at Richards Bay. No site visit is required, but it can be arranged if necessary.

1.12.4 Sample of Materials

Not applicable.

1.12.5 Invoicing and Payment

Payment will be made by Foskor, after approval by the Foskor Project Representative (i.e., Engineer, Area Manager) of the submitted Payment Certificate to the Contractor within **30** (thirty) days from the date of receipt of the Contractors approved invoice.

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

The invoice submitted is to be in a format acceptable to the Foskor Project Representative and need to contain the following minimum information:

- Company details, registration no and VAT registration no
- Purchase Order no
- Detail of work done to date
- Detail of claims to date (Excluding the current claim)
- Value of the current claim and work done
- VAT charged

1.12.6 Progress of Works

Should Foskor or its appointed Agent 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, he shall so notify the Contractor in writing, with specific reference to this Clause, and the Contractor shall thereupon, subject to the approval of Foskor, which approval shall not be unreasonably withheld, 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.

1.12.7 Cancellation of the Contract by Foskor

If:

- (a) (i) the estate of the Contractor shall be sequestrated (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 Foskor 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 Foskor Project Representative shall certify in writing to Foskor, and to the Contractor, with specific reference to this Clause, that in his opinion the Contractor
 - (i) has abandoned or repudiated the Contract, or
 - (ii) has, without reasonable excuse, failed to commence the Works in terms of the time allowed for it 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) has failed to remove materials from the Site or to pull down and replace work, which materials or work have been condemned and rejected by the Foskor Project Representative, or
 - (vi) is not executing the Works in accordance with the Contract, or
 - (vii) has, without the approval of the Foskor Project Representative, subcontracted any part of the Contract or has failed to expel any subcontractor after having been instructed to do so, or
 - (viii) has failed to provide the Surety ship, Guarantees or Proof of Insurance within the time stipulated and for 14 days after receiving a written notice from the Foskor Project Representative, referring specifically to the default concerned and to this Clause, failed to remedy the default,

Foskor may, by written notice to the Contractor, cancel the Contract.

1.13 Company Profile

Tenderers are to submit an extensive portfolio indicating their experience and expertise with reference to supplying of Mist Eliminators.

1.14 Quality Management

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

1.14.1 Quality Assurances:

- i. It is a requirement of the contract that the successful Tenderer (Contractor/Consultant) maintains an effective documented system for the control of product quality.
- ii. Proof of compliance (performed quality document) with a recognized quality assurance standard, such as ISO 9000, should be submitted with the Tenderer's (Contractor/Consultant) tender.
- iii. The Tenderer's (Contractor/Consultant) Quality Assurance Department Manager shall be responsible to a senior executive only and not be under the control of persons responsible for production.
- iv. The Tenderer's (Contractor/Consultant) Quality Assurance Manager is regarded as the principal link between the Tenderer (Contractor/Consultant) and Foskor in all matters affecting quality.
- v. The successful Tenderer's (Contractor/Consultant) Quality Manager shall have access to the successful Tenderer's (Contractor/Consultant) offer document and to all other associated specifications, drawings and documents necessary for the satisfactory execution of the project.

1.15 OHS Act & SHREQ Requirements

This specification covers the health and safety requirements to be met by the successful Tenderer (Contractor) undertaking work within Foskor premises 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.

SHREQ Requirements

The successful Tenderer (Contractor) shall ensure that all employees under his/her 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, either on a full time or part-time basis to conduct the following responsibilities:

- Conduct and submits monthly audits report

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- Conduct and submit monthly inspections report
 - 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 carry gas masks **(Half mask double filter – screw type with filter type A1B1E1K1 – North Safety Product or similar approved product)** and goggles **(Ovex ultra vision – W1663459B – DIN CE 0196) preferably in a pouch**. Should a Contractor be found on site without the above-mentioned safety clothing, he/she 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 dusty environment.
 - i. **Overalls must be Blue Sweet Orr overall (80% Polyester 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 Foskop (Pty) Ltd Safety Department before any work commences.
- o. The Contractor's vehicle when entering the Plant must always have rotating orange lights on.
- p. The Contractor and their employees must undergo a full medical at either Foskop (Pty) Ltd's Clinic or Caradoc Richards Bay or an Foskop (Pty) Ltd approved medical facility. 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 Foskop (Pty) Ltd Clinic on 035 902 3267.
- q. A once-off fee is also required for access cards from Foskop Security. Please contact Foskop (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 Foskop 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 tender, any tenderer will, if awarded the contract to which this tender document relates, be deemed to be the 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 Foskop Regulations and Safety Standards.
- b) The Contractor shall fully comply legislation requirements which includes OHS Act (Act 85 of 1993), NEMA (National Environmental Management Act) and other relevant legislation.
- c) The Contractor shall fully comply with Covid-19 compliance as part of Section 37(2) of the Act.
- d) The contractor shall fully comply with Foskop's COP 6 (Contractor Management)

IMPORTANT NOTE

The above is a summary of some of matters as defined in the Act. The successful Tenderer (Contractor) is required and advised in his/her 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 valid reason if non-conformance to the Act and the Regulations are committed

1.16 Tender Adjudication

Proposals will be adjudicated on a mix of the following criteria (in no order):

- Technical support
- Track record
- Foskor's HDSA Policy. Policy available on request.
- Price

1.17 Tender Acceptance

Note that Foskor is not obligated to accept the lowest tenderer in the tender process.

1.18 Site Visit

No site visit required, but it can be arranged if necessary.

Foskor Contacts:

Technical Enquiries

Production Engineer: Vujaha Mabunda 035 902 3096 or VujahaM@foskor.co.za or Snr Manager Precious Buthelezi (035) 902 3058 or PreciousB@foskor.co.za

Commercial Enquiries

Procurement - Buyer: Lisu Khumalo (035) 902 3278 or Lisuk@foskor.co.za

The tender must be in a sealed envelope, with the tender number and closing date clearly marked on the outside. Tender must be deposited in the tender box, situated at Foskor Richards Bay's Main reception, before 12h00 of the closing date.

1.19 Bill of Quantities (BOQ)

BOQ

ELEMENT	UNIT	QUANTITY	PRICE PER UNIT	TOTAL COST
1. Mist Eliminators		36 Candles		
2. Transport		36 Candles		
3. Other				

*Provide a breakdown of each element

END OF SCOPE

1.20 Tender Evaluation (TEV)

Supply of Mist Eliminators for Sulphuric Acid A-Plant Interpass Tower

MANDATORY REQUIREMENTS

Bid submission not meeting the mandatory requirements will result in the bid being disqualified.

No.	Mandatory Requirement
1	None

TECHNICAL REQUIREMENTS

Evaluation Criteria (Technical)				
Sulphuric Acid A Plant IPAT Mist Eliminators				
No.	Technical Criteria Description	% Contribution	Proof/Documents to be submitted	Notes
1	Competence - Supplier experience & product reliability			
	Supplier's previous experience in supplying similar or same Mist Eliminators and operating lifespan of the Mist eliminators Scoring: Supplied Mist eliminators before with the required specification with reliable operation lifespan of more than 5 years : 30 % Supplied Mist eliminators before with the required specification with reliable operation lifespan of 5 years or less: 15 % Supplied Mist Eliminators before with no proven reliability of the product: 7.5% No proven record of supplying Mist eliminators before: 0%	30%	Reference of organization(s) supplied if not Foskor (Pty) Ltd and the operating lifespan of the supplied Mist eliminators.	
2	Manufacturing & Delivery lead time			
	Supplier's capability to manufacture & supply equipment to Foskor site within the scheduled shutdown period for installation Scoring: Manufacture and deliver onsite within 4 months period (Inclusive of Manufacturing plan) :25 % Manufacture and deliver onsite within 5 months period (Inclusive of Manufacturing plan) :15 % Manufacture and deliver onsite within 6 months period (Inclusive of Manufacturing plan) :10 % Unable to Manufacture and deliver onsite within 6 month period (inclusive of manufacturing period): 0%	25%	Detailed production schedule from receipt of order including shipment period to Foskor Richards Bay site in South Africa.	
3	Technical Data			
	Supplier's product capability to meet the expected performance at the specified operating conditions Scoring: All physical & operational Specifications met : 45% All physical & operational Specifications not met 0%	45%	Provide equipment design capability and expected performance as per the plant operating parameters & design conditions provided in section 1.4 of SOW. Provide drawing of the mist eliminators proposed.	
	Total Points	100%		
	Minimum Threshold	75%		



Signed with Impression - Chain of Custody



Signature Request

Signature Request ID:	6a30f757-40d3-4814-8fff-d74acbb93d63	Timestamp:	2025-07-09 10:40:50 GMT
Signee Name:	Duncan Dlamini	Sender Name:	Duncan Dlamini
Request Type:	WebSigning	Request Status:	WEBVIEWER SIGNED

Original Document

Document Name:	SOW TEV for Supply of Mist Eliminators for A Plant IPAT Rev 3.pdf	Document Size:	449.0 KB
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Email Evidence

Signee Email:	duncand@foskor.co.za	Email Subject:	Not available in Silent Mode
Email Sent Timestamp:	Not available in Silent Mode	Email Opened Timestamp:	Not available in Silent Mode

Web Evidence

Signee IP Address:	41.21.226.206	Request Timestamp:	2025-07-09 10:39:30 GMT
Signee GPS (if shared):	ZA: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/138.0.0.0 Safari/537.36 Edg/138.0.0.0	Terms Accepted Timestamp:	2025-07-09 10:39:42 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:	+2773 122 8161	Sign Type:	WebSigning
Security Challenge:	NONE	Part of Workflow:	NONE

Chain Of Custody Generation

Attached Document Name:	20250709T104049.943203Z SOW TEV for Supply of Mist Eliminators for A Plant IPAT Rev 3.pdf	Attached Timestamp:	2025-07-09 10:40:50 GMT
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Signed with Impression - Chain of Custody



Signature Request

Signature Request ID:	8213c97b-47f6-4f7d-b639-d20cb484a2ff	Timestamp:	2025-07-09 10:48:55 GMT
Signee Name:	Vujaha Mabunda	Sender Name:	Duncan Dlamini
Request Type:	WebSigning	Request Status:	WEBVIEWER SIGNED

Original Document

Document Name:	SOW TEV for Supply of Mist Eliminators for A Plant IPAT Rev 3 1.pdf	Document Size:	635.9 KB
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Email Evidence

Signee Email:	vujaham@foskor.co.za	Email Subject:	A document from Duncan Dlamini is ready for signature
Email Sent Timestamp:	2025-07-09T10:44:45.288546	Email Opened Timestamp:	Not available in Silent Mode

Web Evidence

Signee IP Address:	41.21.226.206	Request Timestamp:	2025-07-09 10:46:07 GMT
Signee GPS (if shared):	ZA: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/138.0.0.0 Safari/537.36 Edg/138.0.0.0	Terms Accepted Timestamp:	2025-07-09 10:46:14 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:	+27635003671	Sign Type:	WebSigning
Security Challenge:	NONE	Part of Workflow:	721a1a14-9849-424a-a7c4-9ba38eb3b6d2

Chain Of Custody Generation

Attached Document Name:	20250709T104854.796658Z SOW TEV for Supply of Mist Eliminators for A Plant IPAT Rev 3 1.pdf	Attached Timestamp:	2025-07-09 10:48:55 GMT
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Signed with Impression - Chain of Custody



Signature Request

Signature Request ID:	f2ce2bc8-27d5-44e1-a71b-ca4808ba8183	Timestamp:	2025-07-09 10:59:36 GMT
Signee Name:	Precious Buthelezi	Sender Name:	Duncan Dlamini
Request Type:	WebSigning	Request Status:	WEBVIEWER SIGNED

Original Document

Document Name:	SOW TEV for Supply of Mist Eliminators for A Plant IPAT Rev 3 1.pdf	Document Size:	673.7 KB
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Email Evidence

Signee Email:	preciousb@foskor.co.za	Email Subject:	A document from Duncan Dlamini is ready for signature
Email Sent Timestamp:	2025-07-09T10:44:44.259910	Email Opened Timestamp:	Not available in Silent Mode

Web Evidence

Signee IP Address:	41.21.226.206	Request Timestamp:	2025-07-09 10:50:43 GMT
Signee GPS (if shared):	ZA: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/138.0.0.0 Safari/537.36 Edg/138.0.0.0	Terms Accepted Timestamp:	2025-07-09 10:50:51 GMT

Annotations and Modifications

Signature Count:	1	Form Fields Filled Count:	0
Text Annotation Count:	2	Initial All Pages Count:	0
Single Initial Count:	0		

Signing Evidence

Signee Mobile:	+27834359207	Sign Type:	WebSigning
Security Challenge:	NONE	Part of Workflow:	721a1a14-9849-424a-a7c4-9ba38eb3b6d2

Chain Of Custody Generation

Attached Document Name:	20250709T105936.725906Z SOW TEV for Supply of Mist Eliminators for A Plant IPAT Rev 3 1.pdf	Attached Timestamp:	2025-07-09 10:59:36 GMT
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Signed with Impression - Chain of Custody



Signature Request

Signature Request ID:	6498a820-2f40-4139-bc2b-535dde73d54	Timestamp:	2025-07-09 12:58:54 GMT
Signee Name:	Sifiso Majola	Sender Name:	Duncan Dlamini
Request Type:	WebSigning	Request Status:	WEBVIEWER SIGNED

Original Document

Document Name:	SOW TEV for Supply of Mist Eliminators for A Plant IPAT Rev 3 1.pdf	Document Size:	711.8 KB
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Email Evidence

Signee Email:	sifisom@foskor.co.za	Email Subject:	A document from Duncan Dlamini is ready for signature
Email Sent Timestamp:	2025-07-09T10:44:45.881093	Email Opened Timestamp:	Not available in Silent Mode

Web Evidence

Signee IP Address:	41.21.226.206	Request Timestamp:	2025-07-09 12:53:31 GMT
Signee GPS (if shared):	ZA: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/138.0.0.0 Safari/537.36 Edg/138.0.0.0	Terms Accepted Timestamp:	2025-07-09 12:53:58 GMT

Annotations and Modifications

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

Signing Evidence

Signee Mobile:	+27836466991	Sign Type:	WebSigning
Security Challenge:	NONE	Part of Workflow:	721a1a14-9849-424a-a7c4-9ba38eb3b6d2

Chain Of Custody Generation

Attached Document Name:	20250709T125854.427334Z SOW TEV for Supply of Mist Eliminators for A Plant IPAT Rev 3 1.pdf	Attached Timestamp:	2025-07-09 12:58:54 GMT
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Signed with Impression - Chain of Custody



Signature Request

Signature Request ID:	70d466ca-bdec-4961-abaa-2ef12d90e156	Timestamp:	2025-07-09 13:01:08 GMT
Signee Name:	Charles Mavuso	Sender Name:	Duncan Dlamini
Request Type:	WebSigning	Request Status:	WEBVIEWER SIGNED

Original Document

Document Name:	SOW TEV for Supply of Mist Eliminators for A Plant IPAT Rev 3 1.pdf	Document Size:	790.9 KB
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Email Evidence

Signee Email:	charlesmav@foskor.co.za	Email Subject:	A document from Duncan Dlamini is ready for signature
Email Sent Timestamp:	2025-07-09T10:44:44.449612	Email Opened Timestamp:	Not available in Silent Mode

Web Evidence

Signee IP Address:	41.193.224.183	Request Timestamp:	2025-07-09 12:59:52 GMT
Signee GPS (if shared):	ZA: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/138.0.0.0 Safari/537.36 Edg/138.0.0.0	Terms Accepted Timestamp:	2025-07-09 12:59:58 GMT

Annotations and Modifications

Signature Count:	1	Form Fields Filled Count:	0
Text Annotation Count:	2	Initial All Pages Count:	0
Single Initial Count:	0		

Signing Evidence

Signee Mobile:	+270000000000	Sign Type:	WebSigning
Security Challenge:	NONE	Part of Workflow:	721a1a14-9849-424a-a7c4-9ba38eb3b6d2

Chain Of Custody Generation

Attached Document Name:	20250709T130108.748334Z SOW TEV for Supply of Mist Eliminators for A Plant IPAT Rev 3 1.pdf	Attached Timestamp:	2025-07-09 13:01:09 GMT
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Signed with Impression - Chain of Custody



Signature Request

Signature Request ID:	719c50e9-ab59-4a45-afd7-c58e3855bb31	Timestamp:	2025-07-14 13:17:35 GMT
Signee Name:	Sam Mbuyazi	Sender Name:	Duncan Dlamini
Request Type:	WebSigning	Request Status:	WEBVIEWER SIGNED

Original Document

Document Name:	SOW TEV for Supply of Mist Eliminators for A Plant IPAT Rev 3 1.pdf	Document Size:	800.2 KB
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Email Evidence

Signee Email:	samm@foskor.co.za	Email Subject:	A document from Duncan Dlamini is ready for signature
Email Sent Timestamp:	2025-07-09T10:44:44.961823	Email Opened Timestamp:	Not available in Silent Mode

Web Evidence

Signee IP Address:	102.68.115.214	Request Timestamp:	2025-07-14 13:16:22 GMT
Signee GPS (if shared):	ZA: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/138.0.0.0 Safari/537.36 Edg/138.0.0.0	Terms Accepted Timestamp:	2025-07-14 13:16:31 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:	+27836339541	Sign Type:	WebSigning
Security Challenge:	NONE	Part of Workflow:	721a1a14-9849-424a-a7c4-9ba38eb3b6d2

Chain Of Custody Generation

Attached Document Name:	20250714T131735.685986Z SOW TEV for Supply of Mist Eliminators for A Plant IPAT Rev 3 1.pdf	Attached Timestamp:	2025-07-14 13:17:35 GMT
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Signature Request

Signature Request ID:	774f9548-f17f-4e83-bc8e-0a9efc72c6b8	Timestamp:	2025-07-15 10:54:33 GMT
Signee Name:	Takura Nyashanu	Sender Name:	Duncan Dlamini
Request Type:	WebSigning	Request Status:	WEBVIEWER SIGNED

Original Document

Document Name:	SOW TEV for Supply of Mist Eliminators for A Plant IPAT Rev 3 1.pdf	Document Size:	834.8 KB
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Email Evidence

Signee Email:	takuran@foskor.co.za	Email Subject:	A document from Duncan Dlamini is ready for signature
Email Sent Timestamp:	2025-07-09T10:44:45.719779	Email Opened Timestamp:	Not available in Silent Mode

Web Evidence

Signee IP Address:	41.21.226.206	Request Timestamp:	2025-07-15 10:52:06 GMT
Signee GPS (if shared):	ZA: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/138.0.0.0 Safari/537.36 Edg/138.0.0.0	Terms Accepted Timestamp:	2025-07-15 10:52:36 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:	+27685999113	Sign Type:	WebSigning
Security Challenge:	NONE	Part of Workflow:	721a1a14-9849-424a-a7c4-9ba38eb3b6d2

Chain Of Custody Generation

Attached Document Name:	20250715T105433.614664Z SOW TEV for Supply of Mist Eliminators for A Plant IPAT Rev 3 1.pdf	Attached Timestamp:	2025-07-15 10:54:33 GMT
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