



**SAIAB**  
South African Institute  
for Aquatic Biodiversity

## INVITATION TO BID

Appointment of a qualified and experienced service provider/contractor to strip out redundant HVAC equipment, supply, install, commission, integrate with Building Management System (BMS) and maintain for 12 months, a new replacement HVAC system the unit will service the ground floor Collections room.

<b>Works Location:</b>	South African Institute for Aquatic Biodiversity (SAIAB) building, 11 Somerset Street, Makhandla	
<b>Bidder Name:</b>		
<b>Bid Number:</b>	NRF/SAIAB/66/2022-23	
<b>Closing Date:</b> <b>Closing Time:</b>	<b>Friday, 14 April 2023</b> <b>11.00 AM</b>	
<b>Compulsory Briefing Session:</b>	A compulsory on site briefing session will be held. Date: 31 March 2023 at 11:00 AM Venue: SAIAB building, 11 Somerset street, Makhandla	
<b>Bid Submission:</b>	<p>Electronic submissions must be sent to <a href="mailto:bids@saiab.nrf.ac.za">bids@saiab.nrf.ac.za</a></p> <p>Bids must be submitted in two separate electronic folders, one with the compliance and technical response, and the second with the financial response.</p> <p>The financial response must be password protected. Folders must be titled with the bidder's company name and folder title. Attachments are limited to 25 MB per email.</p> <p>Bidders are to send an email to <a href="mailto:bids@saiab.nrf.ac.za">bids@saiab.nrf.ac.za</a> post submission with the password to their financial envelope.</p>	

### Direct enquiries in writing to:

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# INTRODUCTION

## INTRODUCTION TO THE NRF

The National Research Foundation Act as amended, Act 19 of 2018, establishes the National Research Foundation ("NRF") as the juristic legal entity that will contract with the awarded bidder. Please visit the NRF website (<https://www.nrf.ac.za>) for more information.

## BACKGROUND TO SAIAB

The South African Institute for Aquatic Biodiversity (SAIAB), based in Makhanda formerly known as Grahamstown, Eastern Cape, is a National Research Facility of the National Research Foundation, a public entity, established in terms of the National Research Foundation Act No. 23 of 1998. SAIAB is an internationally recognised centre for the study of aquatic biodiversity.

SAIAB is a biological sciences Research Institute specialising in aquatic biodiversity, with a specific academic focus on fish (Ichthyology). In addition to foundational taxonomy and systematics, the Institute specialises in providing cutting-edge research infrastructure platforms for research in marine and freshwater environments, the curation and management of biological specimens and tissue samples, molecular biology and genomics and the supervision of postgraduate students.

# PART A – THE TENDER

## CONTEXT AND OBJECTIVE OF THIS PROCUREMENT CONTRACT

The SAIAB Collection building was built in 2006 to house a collection of fish and other aquatic organisms used for scientific research. SAIAB intends to appoint a qualified and experienced service provider/contractor to strip out redundant HVAC equipment, supply, install, commission, integrate with Building Management System (BMS) and maintain for 12 months, a new replacement HVAC system the unit will service the ground floor Collections room.

## CONTRACT PERIOD

The contract will be valid for a period of sixteen (16) months from the date of signing of the contract. The initial four (4) months is for the stripping out of the redundant HVAC equipment, supply, install, commission, integrate with Building Management System (BMS) plus twelve (12) months of maintenance of the HVAC equipment.

Commencement will be the date of final signature on the SBD 7.1 Contract Form and site handover.

## DETAILED SPECIFICATIONS

- The following are some of the services that may be required but not limited to below list:
  - Disconnection of existing services, including Electrical and Plumbing and blocking off and making safe
  - Stripping out of existing redundant HVAC Installation
  - Supply of the HVAC unit to the specification of the engineering requirements (See Annexures 3 to 8)
  - Installation of the HVAC unit
  - Commission of the HVAC unit.
  - Integrating of the new HVAC unit with the existing building management unit and interfaces.
  - Testing and commissioning of the complete new HVAC Installation.
- The Bidder must have relevant experience and must indicate their areas of experience/specialization and list previously completed projects in Annexure 2.
- The Bidder must be a qualified HVAC installer.
- The Bidder must have the capacity to source maintenance spares and items.
- The Bidder must have experience in providing services preferably in **commercial or academic buildings**.
- The Bidder must provide installation and operation manuals. (See Annexure 3)
- The Bidder must preferably be based in the Eastern Cape so as to respond to maintenance emergencies within 6 hours. If the bidder is not based in the Eastern Cape, the bidder should demonstrate how emergencies will be dealt with within the 6-hour period.
- The Bidder must have attended the pre-tender site inspection (Briefing session).
- The Bidder will be required to provide a certificate of compliance Electrical COC) for all electrical installations completed.
- Supplier Performance Management is a critical component in ensuring value for money acquisition and supplier relations. Performance will be monitoring on an ongoing basis.
- Staff deployed by the Service Provider shall perform their duties at the premises with due diligence and take all precautions to avoid any loss or damage to the property and personnel.
- The Bidder will be required to comply with Health and Safety regulations. Please complete Annexure 6 and return it with the bid.
- Supply Abridged CVs of the bidder's proposed project team.

### DRAWINGS AND SPECIFICATIONS ATTACHED AS ANNEXURES

Annexure 1: Schedule of Sub Contractors

Annexure 2: Schedule of Previous Experience

Annexure 3: Technical Specification Applying to this Installation.

Annexure 4: Schedule of Equipment Offered.

Annexure 5: Drawing 9213-A-01: HVAC Layout and Details

Annexure 6: NRF/SAIAB Health & Safety Specification and Occupational Health and Safety Act 37(2) Mandatory Agreement

Annexure 7: Electronic Bid Submission – Guideline for Bidders

## SERVICE LEVELS AND MANAGEMENT THEREOF

1. The service provider and the NRF's contract manager review the initial performance including service levels as set out in this document supports the contract delivery.
2. Both parties agree on the final set of performance levels including measurable key performance indicators with minimum thresholds as well as trigger points for penalties and/or bonuses in writing. Both parties sign the agreed performance levels and append the document to this contract document.
3. The performance level indicators are maintained monthly; with review of performance levels after the first four weeks against the experienced requirements of the contract.
4. Where both parties agree to variation of these performance levels, both parties will meet and agree on the revised performance levels in writing, sign and append to this contract document.
5. Each performance level document states the agreed performance levels, date effective from, performance penalties, and any matter forming part of such performance levels.
6. The service provider and the SAIAB's contract manager measure delivered performance against the performance levels as agreed in accordance with this document.
7. Management of poor performance:
  - a. Where either party has identified poor performance under this contract, both parties will meet and investigate the matter to determine the root cause.
  - b. Both parties will agree to a correction plan and will implement it.
  - c. Both parties will monitor the corrective actions to ensure performance levels are as agreed.
  - d. Both parties agree to escalate non-corrective actions to senior management where performance levels have not returned to the agreed service levels.
  - e. Both parties will assess the applicability of penalties to the incurred poor performance and apply these,

The service performance levels are:

Subject to GCC Clause 25, if the supplier fails to deliver any or all of the goods within the period(s) specified in the contract, the purchaser shall, without prejudice to its other remedies under the contract, apply the following penalties –

### Performance Measures and Penalties

Performance requirement	Deliverable	Trigger	Penalty
Completion time of installation of new HVAC system	HVAC system installation to be completed within 4 months of site handover.	Late completion	0.05% of the Contract Sum per calendar day.
Turnaround time for maintenance of the HVAC system	Acknowledgement of request for repairs/maintenance within 1 working day.	Longer than 1 day response time	Poor reflection on contract review – repeat occurrence may result in termination of contract
On-site technical support	Technician to be dispatched to site within 6 hours of diagnosis of problem.	Longer than 6 hours to dispatch technical support.	Poor reflection on contract review – repeat occurrence may result in termination of contract
Warranty	To secure performance of post-completion or post-delivery warranty and maintenance obligations	Failure to honour warranty claims within 5 business days	Up to 4% of the Contract price until the expiration of the warranty/maintenance period (through a 4%

			retention against payment certificates)
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## VERIFICATION OF WORK PERFORMED

SAIAB contract manager verifies all work specified has been completed to the specified standard and, where applicable, provides list of all defects and outstanding work that must be corrected in appropriate time (as agreed with the service provider). Only after all defects have been corrected, then SAIAB Contract manager and the contractor sign-off the delivery verification documents. Copies of these must be attached to the issued invoice.

The relevant GCC is provided here for clarity:

<b>GCC8</b>	<b>Inspections, tests and analyses</b>
8.1	All pre-bidding testing will be for the account of the bidder.
8.2	If it is a bid condition that supplies to be produced or services to be rendered should at any stage during production or execution or on completion be subject to inspection, the premises of the bidder or contractor shall be open, at all reasonable hours, for inspection by a representative of the purchaser or an organization acting on behalf of the purchaser.
8.3	If there are no inspection requirements indicated in the bidding documents and no mention is made in the contract, but during the contract period, it is decided that inspections shall be carried out, the purchaser shall itself make the necessary arrangements, including payment arrangements with the testing authority concerned.
8.4	If the inspections, tests and analyses referred to in clauses 8.2 and 8.3 show the supplies to be in accordance with the contract requirements, the cost of the inspections, tests and analyses shall be defrayed by the purchaser.
8.5	Where the supplies or services referred to in clauses 8.2 and 8.3 do not comply with the contract requirements, irrespective of whether such supplies or services are accepted or not, the supplier shall defray the cost in connection with these inspections, tests, or analyses.
8.6	Supplies and services referred to in clauses 8.2 and 8.3 and which do not comply with the contract requirements may be rejected.
8.7	Any contract supplies may on or after delivery be inspected, tested or analysed and may be rejected if found not to comply with the requirements of the contract. Such rejected supplies are held at the cost and risk of the supplier who shall, when called upon, remove them immediately at his own cost and forthwith substitute them with supplies, which do comply with the requirements of the contract. Failing such removal, the rejected supplies shall be returned at the suppliers cost and risk. Should the supplier fail to provide the substitute supplies forthwith, the purchaser may, without giving the supplier further opportunity to substitute the rejected supplies, purchase such supplies as may be necessary at the expense of the supplier.
8.8	The provisions of clauses 8.4 to 8.7 shall not prejudice the right of the purchaser to cancel the contract because of a breach of the conditions thereof, or to act in terms of Clause 23 of GCC.

## CONTRACT ADMINISTRATION

<b>The service provider shall:</b>	
	Upon notification of the acceptance of its bid, the service provider commences the contract upon signing the

	SBD 7.1 contract form and handover of the site.
	Commence with and carry out the delivery of the services in accordance with the contract only upon receipt of an authorised purchase order for the required work.
	Provide all of the necessary materials, labour and equipment required for the delivery of the services, including any temporary services that may be required.
	Notify the business unit of any identified risk and/or ad hoc wear requiring maintenance to the vessels being maintained under this contract.
<b>The business unit (SAIAB) shall:</b>	
	Call ad hoc meetings with the service provider, as and when required during the course of the contract. The service provider will be required to attend such meetings. Provide reasonable notice of such meeting to the service provider.
	Issue purchase orders for the work required under this Contract. No liability for payment will ensue for any work done if a purchase order has not been issued to the service provider.
	Regularly have progress meetings with the service provider to establish that the services are being performed in compliance with the contract.
	Give any instructions and/or explanations and/or variations to the service provider including any relevant advice to assist the service provider to understand the contract documents.
	Notify the supplier in writing of any claims arising under the warranties provided.
	Grant or refuse any extension of time requested by the service provider.

## SPECIAL CONDITIONS OF CONTRACT

**These Special Conditions of Contract must be cross-referenced against the General Conditions of Contract (GCC). The Special Conditions of Contract qualify or augment specific clauses of the GCC, or introduce conditions not included in the GCC.**

The following are special conditions of the contract:

<b>5</b>	<b>Use of contract documents and information</b>
<b>Add the following clause after Clause 5.4:</b>	
5.5	The recipient of confidential information shall be careful and diligent as not to cause any unauthorised disclosure or use of the confidential information, in particular, during the contract term and after termination of the contract. The recipient shall not:
5.5.1	Disclose the confidential information, directly or indirectly, to any person or entity, without the purchaser's prior written consent.
5.5.2	Use, exploit or in any other manner whatsoever apply the confidential information for any other purpose whatsoever, other than for the execution of the contract and the delivery of the deliverables or
5.5.3	Copy, reproduce, or otherwise publish confidentiality information except as strictly required for the execution of the contract.
5.6	The recipient shall ensure that any employees, agents, directors, contractors, service providers, and associates which may gain access to the confidential information are bound by agreement with the recipient both during the term of their associations with the recipient and after termination of their respective associations with the recipient, not to -
5.6.1	Disclose the confidential information to any third party, or
5.6.2	Use the confidential information otherwise than as may be strictly necessary for the execution of the contract,
5.6.3	The recipient shall take all such steps as may be reasonably necessary to prevent the confidential information from falling into the hands of any unauthorised third party.
5.7	The undertakings set out in this clause shall not apply to confidential information, which the recipient is able to prove:
5.7.1	Was independently developed by the recipient prior to its involvement with the purchaser or in the possession of the recipient prior to its involvement with the purchaser;
5.7.2	Is now or hereafter comes into the public domain other than by breach of this contract by the recipient;
5.7.3	Was lawfully received by the recipient from a third party acting in good faith having a right of further disclosure and who do not derive the same directly or indirectly from the purchaser, or
5.7.4	Required by law to be disclosed by the recipient, but only to the extent of such order and the recipient shall inform the purchaser of such requirement prior to any disclosure.
5.8	The recipient shall within one (1) month of receipt of a written request from the purchaser to do so, return to the purchaser all material embodiments, whether in documentary or electronic form, of the confidential information including but not limited to:
5.8.1	All written disclosures received from the purchaser;
5.8.2	All written transcripts of confidential information disclosed verbally by the purchaser; and
5.8.3	All material embodiments of the contract intellectual property.
5.9	The recipient acknowledges that the confidential information is made available solely for the execution of the contract and for no other purpose whatsoever and that the confidential information would not have been made available to the recipient, but for the obligations of confidentiality agreed to herein.
5.10	Except as expressly herein provided, this contract shall not be construed as granting or confirming, either expressly or impliedly any rights, licences or relationships by furnishing of confidential information by either party pursuant to this contract.



5.11	The recipient acknowledges that the unauthorised disclosure of confidential information may cause harm to the purchaser. The recipient agrees that, in the event of a breach or threatened breach of confidentiality, the purchaser is entitled to seek injunctive relief or specific performance, in order to obtain immediate remedies. Any such remedy shall be in addition to and not in lieu of any other remedies available at law, including monetary damages.
5.12	Copyright and Intellectual Property
	The third party hereby gives SAIAB permission, in terms of the Protection of Private Information Act 4 of 2013, to process, collect, receive, record, organise, collate, store, update, modify, retrieve, alter, consult, use, disseminate, distribute, merge, link, erase or destroy personal information received. By submitting a bid, the third party gives its voluntary explicit consent to the terms of this special condition.
<b>11</b>	<b>Insurance</b>
<b>Substitute Clause 11.1 with the following:</b>	
<b>11.1</b>	Without limiting the obligations of the supplier in terms of this contract, the supplier shall effect and maintain the following additional insurances:
	(a) Public liability insurances, in the name of the supplier, covering the supplier and the purchaser against liability for the death of or injury to any person, or loss of or damage to any property, arising out of or in the course of this Contract,
	(b) Registration / insurance in terms of the Compensation for Occupational Injuries and Disease Act, Act 130 of 1993. This can either take the form of a certified copy of a valid Letter of Good Standing issued by the Compensation Commissioner, or proof of insurance with a licenced compensation insurer, from either the bidder's broker or the insurance company itself
	(c) The supplier shall be obliged to furnish SAIAB with proof of such insurance as SAIAB may require from time to time for the duration of this Contract.
<b>13</b>	<b>Incidental Services</b>
<b>Add the following after Clause 13.2:</b>	
<b>13.3</b>	Any incidental services required for the delivery of the contract shall be agreed upon in advance by the parties and will only be valid if confirmed through the issue of a written purchase order that specifies, where applicable, quality, quantity, description, unit price, and delivery date.
<b>15.</b>	<b>Warranty</b>
<b>Substitute Clause 15.2 with the following:</b>	
<b>15.2</b>	This warranty shall remain valid for one (1) year after the goods, or any portion thereof as the case may be, have been delivered to and accepted at the final destination indicated in the contract.
<b>Add Clause 15.6:</b>	
<b>15.6</b>	The supplier shall, within five business days of receipt of a warranty claim and with all reasonable speed, repair or replace the defective goods or parts thereof, without costs to the SAIAB
<b>16.</b>	<b>Payment</b>
<b>Add the following clause after clause 16.4:</b>	
<b>16.5</b>	The Supplier's invoices must meet the following minimum requirements: (a) Reference the purchase order number (b) Detailed line items as specified in purchase order (c) Include statement of account
<b>16.6</b>	Invoices must be accompanied by the SAIAB authorised representative's signature, confirming performance/delivery in accordance with prescribed quality and/or quantity, conformance to specification, and unit pricing in accordance with the contract and any purchase orders issued in terms of the contract.

<b>19.</b>	<b>Assignment</b>
<b>Substitute clause 19.1 with the following:</b>	
<b>19.1</b>	The supplier shall not assign, in whole or in part, its obligations to perform under the contract.
<b>22</b>	<b>Penalties</b>
<b>Substitute clause 22.1 with the following:</b>	
<b>22.1</b>	Subject to GCC Clause 25, if the supplier fails to deliver any or all of the goods or to perform the services within the period(s) specified in the contract, the purchaser shall, without prejudice to its other remedies under the contract, deduct from the contract price, as a penalty, a sum calculated on the delivered price of the delayed goods or unperformed services using 0.05% of the Contract Sum calculated for each calendar day of the delay until actual delivery or performance. The purchaser may also consider termination of the contract pursuant to GCC Clause 23.
<b>31</b>	<b>Notices</b>
<b>Add the following to Clause 31:</b>	
<b>31.1</b>	Any notice, request, consent, approvals or other communications made between the Parties pursuant to the Contract shall be in writing and forwarded to the addresses specified in the contract and may be given as set out hereunder and shall be deemed to have been received when: <ul style="list-style-type: none"> <li>(i) hand delivered – on the day of delivery;</li> <li>(ii) registered mail – five (5) working days after mailing;</li> <li>(iii) email – after it has been sent</li> </ul>

## GENERAL CONDITIONS OF CONTRACT

In this document words in the singular also mean in the plural and vice versa, words in the masculine mean in the feminine and neuter, words “department” means organs of state inclusive of public entities and vice versa, and the words “will/should” mean “must”.

The National Research Foundation cannot amend the National Treasury's General Conditions of Contract (GCC). The National Research Foundation compiles separate Special Conditions of Contract (SCC) relevant to this bid where applicable supplementing the General Conditions of Contract. Where there is conflict, the provisions of the Special Conditions of Contract shall prevail.

<b>GCC 1</b>	<b>Definitions - The following terms shall be interpreted as indicated:</b>
1.1	“Closing time” means the date and hour specified in the bidding documents for the receipt of bids.
1.2	“Contract” means the written agreement entered into between the purchaser and the supplier, as recorded in the contract form signed by the parties, including all attachments and appendices thereto and all documents incorporated by reference therein.
1.3	“Contract price” means the price payable to the supplier under the contract for the full and proper performance of his contractual obligations.
1.4	“Corrupt practice” means the offering, giving, receiving, or soliciting of anything of value to influence the action of a public official in the procurement process or in contract execution.
1.5	“Countervailing duties” are imposed in cases where an enterprise abroad is subsidized by its government and encouraged to market its products internationally.
1.6	“Country of origin” means the place where the goods were mined, grown, or produced, or from which the services are supplied. Goods produced when, through manufacturing, processing or substantial and major

	assembly of components, a commercially recognized new product results that is substantially different in basic characteristics or in purpose or utility from its components
1.7	"Day" means calendar day.
1.8	"Delivery" means delivery in compliance of the conditions of the contract or order.
1.9	"Delivery ex stock" means immediate delivery directly from stock actually on hand.
1.10	"Delivery into consignees store or to his site" means delivered and unloaded in the specified store or depot or on the specified site in compliance with the conditions of the contract or order, the supplier bearing all risks and charges involved until the supplies are so delivered and a valid receipt is obtained.
1.11	"Dumping" occurs when a private enterprise abroad markets its goods on own initiative in the RSA at lower prices than that of the country of origin and which have the potential to harm the local industries in the RSA.
1.12	"Force majeure" means an event beyond the control of the supplier and not involving the supplier's fault or negligence and not foreseeable. Such events may include, but is not restricted to, acts of the purchaser in its sovereign capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions and freight embargoes.
1.13	"Fraudulent practice" means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of any bidder, and includes collusive practice among bidders (prior to or after bid submission) designed to establish bid prices at artificial non-competitive levels and to deprive the bidder of the benefits of free and open competition.
1.14	"GCC" means the General Conditions of Contract.
1.15	"Goods" means all of the equipment, machinery, and/or other materials that the supplier is required to supply to the purchaser under the contract.
1.16	"Imported content" means that portion of the bidding price represented by the cost of components, parts or materials which have been or are still to be imported (whether by the supplier or his subcontractors) and which costs are inclusive of the costs abroad, plus freight and other direct importation costs such as landing costs, dock dues, import duty, sales duty or other similar tax or duty at the South African place of entry as well as transportation and handling charges to the factory in the Republic where the supplies covered by the bid will be manufactured.
1.17	"Local content" means that portion of the bidding price, which is not included in the imported content if local manufacture does take place.
1.18	"Manufacture" means the production of products in a factory using labour, materials, components, and machinery and includes other related value-adding activities.
1.19	"Order" means an official written order issued for the supply of goods or works or the rendering of a service.
1.20	"Project site", where applicable, means the place indicated in bidding documents.
1.21	"Purchaser" means the organization purchasing the goods.
1.22	"Republic" means the Republic of South Africa.
1.23	"SCC" means the Special Conditions of Contract.
1.24	"Services" means those functional services ancillary to the supply of the goods, such as transportation and any other incidental services, such as installation, commissioning, provision of technical assistance, training, catering, gardening, security, maintenance and other such obligations of the supplier covered under the contract.
1.25	"Written" or "in writing" means handwritten in ink or any form of electronic or mechanical writing.
<b>GCC2</b>	<b>Application</b>
2.1	These general conditions are applicable to all bids, contracts and orders including bids for functional and professional services, sales, hiring, letting and the granting or acquiring of rights, but excluding immovable property, unless otherwise indicated in the bidding documents.
2.2	Where applicable, special conditions of contract are also laid down to cover specific supplies, services or works.
2.3	Where such special conditions of contract are in conflict with these general conditions, the special conditions shall apply.
<b>GCC 3</b>	<b>General</b>

3.1	Unless otherwise indicated in the bidding documents, the purchaser shall not be liable for any expense incurred in the preparation and submission of a bid. Where applicable a non-refundable fee for documents may be charged.
3.2	With certain exceptions (National Treasury's eTender website), invitations to bid are only published in the Government Tender Bulletin. The Government Tender Bulletin may be obtained directly from the Government Printer, Private Bag X85, Pretoria 0001, or accessed electronically from <a href="http://www.treasury.gov.za">www.treasury.gov.za</a>
<b>GCC 4</b>	<b>Standards</b>
4.1	The goods supplied shall conform to the standards mentioned in the bidding documents and specifications.
<b>GCC 5</b>	<b>Use of contract documents and information</b>
5.1	The supplier shall not, without the purchaser's prior written consent, disclose the contract, or any provision thereof, or any specification, plan, drawing, pattern, sample, or information furnished by or on behalf of the purchaser in connection therewith, to any person other than a person employed by the supplier in the performance of the contract. Disclosure made to any such employed person is in confidence and shall extend only as far as may be necessary for purposes of such performance.
5.2	The supplier shall not, without the purchaser's prior written consent, make use of any document or information mentioned in GCC clause 5.1 except for purposes of performing the contract.
5.3	Any document, other than the contract itself mentioned in GCC clause 5.1 shall remain the property of the purchaser and shall be returned (all copies) to the purchaser on completion of the supplier's performance under the contract if so required by the purchaser.
5.4	The supplier shall permit the purchaser to inspect the supplier's records relating to the performance of the supplier and to have them audited by auditors appointed by the purchaser, if so required by the purchaser.
<b>GCC6</b>	<b>Patent rights</b>
6.1	The supplier shall indemnify the purchaser against all third-party claims of infringement of patent, trademark, or industrial design rights arising from use of the goods or any part thereof by the purchaser.
<b>GCC7</b>	<b>Performance security</b>
7.1	Within thirty days (30) of receipt of the notification of contract award, the successful bidder shall furnish to the purchaser the performance security of the amount specified in SCC.
7.2	The proceeds of the performance security shall be payable to the purchaser as compensation for any loss resulting from the supplier's failure to complete his obligations under the contract.
7.3	The performance security shall be denominated in the currency of the contract, or in a freely convertible currency acceptable to the purchaser and shall be in one of the following forms: 7.3.1 bank guarantee or an irrevocable letter of credit issued by a reputable bank located in the purchaser's country or abroad, acceptable to the purchaser, in the form provided in the bidding documents or another form acceptable to the purchaser; or 7.3.2 cashier's or certified cheque.
7.4	The performance security will be discharged by the purchaser and returned to the supplier within thirty (30) days following the date of completion of the supplier's performance obligations under the contract, including any warranty obligations, unless otherwise specified in SCC.
<b>GCC8</b>	<b>Inspections, tests and analyses</b>
8.1	All pre-bidding testing will be for the account of the bidder.
8.2	If it is a bid condition that supplies to be produced or services to be rendered should at any stage during production or execution or on completion be subject to inspection, the premises of the bidder or contractor shall be open, at all reasonable hours, for inspection by a representative of the purchaser or an organization acting on behalf of the purchaser.
8.3	If there are no inspection requirements indicated in the bidding documents and no mention is made in the contract, but during the contract period, it is decided that inspections shall be carried out, the purchaser shall itself make the necessary arrangements, including payment arrangements with the testing authority concerned.
8.4	If the inspections, tests and analyses referred to in clauses 8.2 and 8.3 show the supplies to be in accordance with the contract requirements, the cost of the inspections, tests and analyses shall be defrayed by the

	purchaser.
8.5	Where the supplies or services referred to in clauses 8.2 and 8.3 do not comply with the contract requirements, irrespective of whether such supplies or services are accepted or not, the supplier shall defray the cost in connection with these inspections, tests, or analyses.
8.6	Supplies and services referred to in clauses 8.2 and 8.3 and which do not comply with the contract requirements may be rejected.
8.7	Any contract supplies may on or after delivery be inspected, tested or analysed and may be rejected if found not to comply with the requirements of the contract. Such rejected supplies are held at the cost and risk of the supplier who shall, when called upon, remove them immediately at his own cost and forthwith substitute them with supplies, which do comply with the requirements of the contract. Failing such removal, the rejected supplies shall be returned at the suppliers cost and risk. Should the supplier fail to provide the substitute supplies forthwith, the purchaser may, without giving the supplier further opportunity to substitute the rejected supplies, purchase such supplies as may be necessary at the expense of the supplier.
8.8	The provisions of clauses 8.4 to 8.7 shall not prejudice the right of the purchaser to cancel the contract because of a breach of the conditions thereof, or to act in terms of Clause 23 of GCC.
<b>GCC9</b>	<b>Packing</b>
9.1	The supplier shall provide such packing of the goods as is required to prevent their damage or deterioration during transit to their final destination, as indicated in the contract. The packing shall be sufficient to withstand, without limitation, rough handling during transit and exposure to extreme temperatures, salt, and precipitation during transit, and open storage. Packing, case size and weights shall take into consideration, where appropriate, the remoteness of the goods' final destination and the absence of heavy handling facilities at all points in transit.
9.2	The packing, marking, and documentation within and outside the packages shall comply strictly with such special requirements as shall be expressly provided for in the contract, including additional requirements, if any, specified in SCC, and in any subsequent instructions ordered by the purchaser.
<b>GCC10</b>	<b>Delivery and Documentation</b>
10.1	Delivery of the goods shall be made by the supplier in accordance with the terms specified in the contract. The details of shipping and/or other documents to be furnished by the supplier are specified in SCC.
10.2	Documents submitted by the supplier specified in SCC.
<b>GCC11</b>	<b>Insurance</b>
11.1	The goods supplied under the contract shall be fully insured in a freely convertible currency against loss or damage incidental to manufacture or acquisition, transportation, storage and delivery.
<b>GCC12</b>	<b>Transportation</b>
12.1	Should a price other than an all-inclusive delivered price be required, this shall be specified in the SCC.
<b>GCC13</b>	<b>Incidental services</b>
13.1	The supplier may be required to provide any or all of the following services, including additional services, if any, specified in SCC: 13.1.1 Performance or supervision of on-site assembly and/or commissioning of the supplied goods; 13.1.2 Furnishing of tools required for assembly and/or maintenance of the supplied goods; 13.1.3 Furnishing of a detailed operations and maintenance manual for each appropriate unit of the supplied goods; 13.1.4 Performance or supervision or maintenance and/or repair of the supplied goods, for a period of time agreed by the parties, provided that this service shall not relieve the supplier of any warranty obligations under this contract; and 13.1.5 Training of the purchaser's personnel, at the supplier's plant and/or on-site, conducted in assembly, start-up, operation, maintenance, and/or repair of the supplied goods.
13.2	Prices charged by the supplier for incidental services, if not included in the contract price for the goods, shall be agreed upon in advance by the parties and shall not exceed the prevailing rates charged to other parties by the supplier for similar services.
<b>GCC14</b>	<b>Spare parts</b>



14.1	<p>As specified in SCC, the supplier may be required to provide any or all of the following materials, notifications, and information pertaining to spare parts manufactured or distributed by the supplier:</p> <p>14.1.1 Such spare parts as the purchaser may elect to purchase from the supplier, provided that this election shall not relieve the supplier of any warranty obligations under the contract; and</p> <p>14.1.2 In the event of termination of production of the spare parts:</p> <p>14.1.2.1 Advance notification to the purchaser of the pending termination, in sufficient time to permit the purchaser to procure needed requirements; and</p> <p>14.1.2.2 Following such termination, furnishing at no cost to the purchaser, the blueprints, drawings, and specifications of the spare parts, if requested.</p>
<b>GCC15</b>	<b>Warranty</b>
15.1	The supplier warrants that the goods supplied under the contract are new, unused, of the most recent or current models and those they incorporate all recent improvements in design and materials unless provided otherwise in the contract. The supplier further warrants that all goods supplied under this contract shall have no defect, arising from design, materials, or workmanship (except when the design and/or material is required by the purchaser's specifications) or from any act or omission of the supplier, that may develop under normal use of the supplied goods in the conditions prevailing in the country of final destination.
15.2	This warranty shall remain valid for twelve (12) months after the goods, or any portion thereof as the case may be, have been delivered to and accepted at the final destination indicated in the contract, or for eighteen (18) months after the date of shipment from the port or place of loading in the source country, whichever period concludes earlier, unless specified otherwise in SCC.
15.3	The purchaser shall promptly notify the supplier in writing of any claims arising under this warranty.
15.4	Upon receipt of such notice, the supplier shall, within the period specified in SCC and with all reasonable speed, repair or replace the defective goods or parts thereof, without costs to the purchaser.
15.5	If the supplier, having been notified, fails to remedy the defect(s) within the period specified in SCC, the purchaser may proceed to take such remedial action as may be necessary, at the supplier's risk and expense and without prejudice to any other rights, which the purchaser may have against the supplier under the contract.
<b>GCC16</b>	<b>Payment</b>
16.1	The method and conditions of payment to be made to the supplier under this contract shall be specified in SCC.
16.2	The supplier shall furnish the purchaser with an invoice accompanied by a copy of the delivery note and upon fulfillment of other obligations stipulated in the contract.
16.3	Payments shall be made promptly by the purchaser, but in no case later than thirty (30) days after submission of an invoice or claim by the supplier.
16.4	Payment will be made in Rand unless otherwise stipulated in SCC.
<b>GCC17</b>	<b>Prices</b>
17.1	Prices charged by the supplier for goods delivered and services performed under the contract shall not vary from the prices quoted by the supplier in his bid, with the exception of any price adjustments authorized in SCC or in the purchaser's request for bid validity extension, as the case may be.
SCC	No additional special conditions other than stated in the price section in this document.
<b>GCC18</b>	<b>Contract amendment</b>
18.1	No variation in or modification of the terms of the contract shall be made except by written amendment signed by the parties concerned.
<b>GCC19</b>	<b>Assignment</b>
19.1	The supplier shall not assign, in whole or in part, its obligations to perform under the contract, except with the purchaser's prior written consent.
<b>GCC20</b>	<b>Subcontract</b>
20.1	The supplier shall notify the purchaser in writing of all subcontracts awarded under this contract if not already specified in the bid. Such notification, in the original bid or later, shall not relieve the supplier from any liability or obligation under the contract.

<b>GCC21</b>	<b>Delays in supplier's performance</b>
21.1	Delivery of the goods and performance of services shall be made by the supplier in accordance with the time schedule prescribed by the purchaser in the contract.
21.2	If at any time during performance of the contract, the supplier or its subcontractor(s) should encounter conditions impeding timely delivery of the goods and performance of services, the supplier shall promptly notify the purchaser in writing of the fact of the delay, its likely duration, and its cause(s). As soon as practicable after receipt of the supplier's notice, the purchaser shall evaluate the situation and may at his discretion extend the supplier's time for performance, with or without the imposition of penalties, in which case the extension shall be ratified by the parties by amendment of contract.
21.3	No provision in a contract shall be deemed to prohibit the obtaining of supplies or services from a national department, provincial department, or a local authority.
21.4	The right is reserved to procure outside of the contract small quantities or to have minor essential services executed if an emergency arises, the supplier's point of supply is not situated at or near the place where the supplies are required, or the supplier's services are not readily available.
21.5	Except as provided under GCC Clause 25, a delay by the supplier in the performance of its delivery obligations shall render the supplier liable to the imposition of penalties, pursuant to GCC Clause 22, unless an extension of time is agreed upon pursuant to GCC Clause 21.2 without the application of penalties.
21.6	Upon any delay beyond the delivery period in the case of a supplies contract, the purchaser shall, without cancelling the contract, be entitled to purchase supplies of a similar quality and up to the same quantity in substitution of the goods not supplied in conformity with the contract and to return any goods delivered later at the supplier's expense and risk, or to cancel the contract and buy such goods as may be required to complete the contract and without prejudice to his other rights, be entitled to claim damages from the supplier.
<b>GCC22</b>	<b>Penalties</b>
22.1	Subject to GCC Clause 25, if the supplier fails to deliver any or all of the goods or to perform the services within the period(s) specified in the contract, the purchaser shall, without prejudice to its other remedies under the contract, deduct from the contract price, as a penalty, a sum calculated on the delivered price of the delayed goods or unperformed services using the current prime interest rate calculated for each day of the delay until actual delivery or performance. The purchaser may also consider termination of the contract pursuant to GCC Clause 23.
<b>GCC23</b>	<b>Termination for default</b>
23.1	The purchaser, without prejudice to any other remedy for breach of contract, by written notice of default sent to the supplier, may terminate this contract in whole or in part: 23.1.1 If the supplier fails to deliver any or all of the goods within the period(s) specified in the contract, or within any extension thereof granted by the purchaser pursuant to GCC Clause 21.2; 23.1.2 If the supplier fails to perform any other obligation(s) under the contract; or 23.1.3 If the supplier, in the judgment of the purchaser, has engaged in corrupt or fraudulent practices in competing for or in executing the contract.
23.2	In the event the purchaser terminates the contract in whole or in part, the purchaser may procure, upon such terms and in such manner as it deems appropriate, goods, works or services similar to those undelivered, and the supplier shall be liable to the purchaser for any excess costs for such similar goods, works or services. However, the supplier shall continue performance of the contract to the extent not terminated.
23.3	Where the purchaser terminates the contract in whole or in part, the purchaser may decide to impose a restriction penalty on the supplier by prohibiting such supplier from doing business with the public sector for a period not exceeding 10 years.
23.4	If a purchaser intends imposing a restriction on a supplier or any person associated with the supplier, the supplier will be allowed a time period of not more than fourteen (14) days to provide reasons why the envisaged restriction should not be imposed. Should the supplier fail to respond within the stipulated fourteen (14) days the purchaser may regard the intended penalty as not objected against and may impose it on the supplier.
23.5	Any restriction imposed on any person by the Accounting Authority will, at the discretion of the Accounting Authority, also be applicable to any other enterprise or any partner, manager, director or other person who wholly or partly exercises or exercised or may exercise control over the enterprise of the first-mentioned

	person, and with which enterprise or person the first-mentioned person, is or was in the opinion of the Accounting Authority actively associated.
23.6	<p>If a restriction is imposed, the purchaser must, within five (5) working days of such imposition, furnish the National Treasury, with the following information:</p> <p>23.6.1 the name and address of the supplier and / or person restricted by the purchaser;</p> <p>23.6.2 the date of commencement of the restriction</p> <p>23.6.3 the period of restriction; and</p> <p>23.6.4 the reasons for the restriction.</p> <p>These details will be loaded in the National Treasury's central database of suppliers or persons prohibited from doing business with the public sector.</p>
23.7	<p>If a court of law convicts a person of an offence as contemplated in sections 12 or 13 of the Prevention and Combating of Corrupt Activities Act, No. 12 of 2004, the court may also rule that such person's name be endorsed on the Register for Tender Defaulters. When a person's name has been endorsed on the Register, the person will be prohibited from doing business with the public sector for a period not less than five years and not more than ten (10) years. The National Treasury is empowered to determine the period of restriction and each case will be dealt with on its own merits. According to Section 32 of the Act the Register must be open to the public. The Register can be perused on the National Treasury website.</p>
<b>GCC24</b>	<b>Anti-dumping and countervailing duties and rights</b>
24.1	<p>When, after the date of bid, provisional payments are required, or anti-dumping or countervailing duties are imposed, or the amount of a provisional payment or anti-dumping or countervailing right is increased in respect of any dumped or subsidized import, the State is not liable for any amount so required or imposed, or for the amount of any such increase. When, after the said date, such a provisional payment is no longer required or any such anti-dumping or countervailing right is abolished, or where the amount of such provisional payment or any such right is reduced, any such favourable difference shall on demand be paid forthwith by the contractor to the State or the State may deduct such amounts from moneys (if any) which may otherwise be due to the contractor in regard to supplies or services which he delivered or rendered, or is to deliver or render in terms of the contract or any other contract or any other amount which may be due to him.</p>
<b>GCC25</b>	<b>Force Majeure</b>
25.1	<p>Notwithstanding the provisions of GCC Clauses 22 and 23, the supplier shall not be liable for forfeiture of its performance security, damages, or termination for default if and to the extent that his delay in performance or other failure to perform his obligations under the contract is the result of an event of force majeure.</p>
25.2	<p>If a force majeure situation arises, the supplier shall promptly notify the purchaser in writing of such condition and the cause thereof. Unless otherwise directed by the purchaser in writing, the supplier shall continue to perform its obligations under the contract as far as is reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the force majeure event</p>
<b>GCC26</b>	<b>Termination for insolvency</b>
26.1	<p>The purchaser may at any time terminate the contract by giving written notice to the supplier if the supplier becomes bankrupt or otherwise insolvent. In this event, termination will be without compensation to the supplier, provided that such termination will not prejudice or affect any right of action or remedy which has accrued or will accrue thereafter to the purchaser.</p>
<b>GCC27</b>	<b>Settlement of disputes</b>
27.1	<p>If any dispute or difference of any kind whatsoever arises between the purchaser and the supplier in connection with or arising out of the contract, the parties shall make every effort to resolve amicably such dispute or difference by mutual consultation.</p>
27.2	<p>If, after thirty (30) days, the parties have failed to resolve their dispute or difference by such mutual consultation, then either the purchaser or the supplier may give notice to the other party of his intention to commence with mediation. No mediation in respect of this matter may be commenced unless such notice is given to the other party.</p>
27.3	<p>Should it not be possible to settle a dispute by means of mediation, it may be settled in a South African court of law.</p>
27.4	<p>Mediation proceedings shall be conducted in accordance with the rules of procedure specified in the SCC.</p>



27.5	Notwithstanding any reference to mediation and/or court proceedings herein, 27.5.1 the parties shall continue to perform their respective obligations under the contract unless they otherwise agree; and 27.5.2 the purchaser shall pay the supplier any monies due the supplier.
<b>GCC28</b>	<b>Limitation of liability</b>
28.1	Except in cases of criminal negligence or wilful misconduct, and in the case of infringement pursuant to Clause 6; 28.1.1 the supplier shall not be liable to the purchaser, whether in contract, tort, or otherwise, for any indirect or consequential loss or damage, loss of use, loss of production, or loss of profits or interest costs, provided that this exclusion shall not apply to any obligation of the supplier to pay penalties and/or damages to the purchaser; and 28.1.2 the aggregate liability of the supplier to the purchaser, whether under the contract, in tort or otherwise, shall not exceed the total contract price, provided that this limitation shall not apply to the cost of repairing or replacing defective equipment.
<b>GCC29</b>	<b>Governing language</b>
29.1	The contract shall be written in English. All correspondence and other documents pertaining to the contract that is exchanged by the parties shall also be written in English.
<b>GCC30</b>	<b>Applicable law</b>
30.1	The contract shall be interpreted in accordance with South African laws, unless otherwise specified in SCC.
<b>GCC31</b>	<b>Notices</b>
31.1	Every written acceptance of a bid shall be posted to the supplier concerned by registered or certified mail and any other notice to him shall be posted by ordinary mail to the address furnished in his bid or to the address notified later by him in writing and such posting shall be deemed to be proper service of such notice.
31.2	The time mentioned in the contract documents for performing any act after such aforesaid notice has been given, shall be reckoned from the date of posting of such notice.
<b>GCC32</b>	<b>Taxes and duties</b>
32.1	A foreign supplier shall be entirely responsible for all taxes, stamp duties, license fees, and other such levies imposed outside the purchaser's country.
32.2	A local supplier shall be entirely responsible for all taxes, duties, license fees, etc., incurred until delivery of the contracted goods to the purchaser.
32.3	No contract shall be concluded with any bidder whose tax matters are not in order. Prior to the award of a bid, the Department must be in possession of a tax clearance certificate, submitted by the bidder. This certificate must be an original issued by the South African Revenue Services
SCC	No special condition applicable, unless specified elsewhere in this document.
<b>GCC33</b>	<b>National Industrial Participation Programme</b>
33.1	The NIP Programme administered by the Department of Trade and Industry shall be applicable to all contracts that are subject to the NIP obligation.
SCC	No special condition applicable, unless specified elsewhere in this document.
<b>GCC34</b>	<b>Prohibition of restrictive practices</b>
34.1	In terms of Section 4 (1) (b) (iii) of the Competition Act No. 89 of 1998, as amended, an agreement between, or concerted practice by, firms, or a decision by an association of firms, is prohibited if it is between parties in a horizontal relationship and if a bidder (s) is/are or a contractor(s) was/were involved in collusive bidding (or bid rigging).
34.2	If a bidder(s) or contractor(s), based on reasonable grounds or evidence obtained by the purchaser, has/have engaged in the restrictive practice referred to above, the purchaser may refer the matter to the Competition Commission for investigation and possible imposition of administrative penalties as contemplated in the Competition Act No. 89 of 1998.
34.3	If a bidder(s) or contractor(s), has/have been found guilty by the Competition Commission of the restrictive practice referred to above, the purchaser may, in addition and without prejudice to any other remedy provided

	for, invalidate the bid(s) for such item(s) offered, and/or terminate the contract in whole or part, and/or restrict the bidder(s) or contractor(s) from conducting business with the public sector for a period not exceeding ten (10) years and/or claim damages from the bidder(s) or contractor(s) concerned.
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# PART B - PRICING

## PRICING INSTRUCTIONS

1.	<b>Applicable currency:</b> All prices shall be quoted in South African Rand.
2.	<b>Completion of pricing schedule:</b> Bidders shall complete the pricing schedule in full, inserting all the information required therein.
3.	<p><b>Price Quotation Basis:</b> total prices quoted must be inclusive of all applicable taxes <b>including VAT</b>, less all unconditional discounts, plus all costs to deliver the services and/or goods. Where imported goods/services are to be used, and pricing is subject to exchange rate fluctuations, the exchange currency against the Rand must be stipulated, as well as the exchange rate at the time of bidding.</p> <p>The portion of the bid price subject to exchange rate fluctuations must be stated.</p>
4.	<b>Submission of pricing:</b> bidders must submit their pricing proposals in a password protected, unzipped electronic folder. The password must be emailed to bids@saiab.nrf.ac.za. The pricing folder must be clearly labelled as such. <b>(See Annexure 7: Electronic Bid Submission – Guideline for Bidders)</b>
5.	<b>The provisional sum:</b> The provisional sums are provided as indication of unforeseen modifications. SAIAB will issue purchase orders for each item as needed

## BID PRICE SCHEDULE (SBD 3.2)

(Submit pricing in separate password protected, unzipped electronic folder)

Supply, delivery, installation, testing and commissioning of the following complete systems.

The following Schedule of Prices must be completed by the Tenderer. The total price must include everything necessary to complete the installation in terms of the Specification and Drawings.

Total Cost is determined by multiplying quantity by unit price for all line items

	QTY	DESCRIPTION	UNIT OF MEASURE	UNIT PRICE	TOTAL LINE ITEM PRICE Incl. VAT
<b>1 - STRIPPING EXISTING AC 1 INSTALLATION</b>					
1.1	1	Disconnect, blank off and make safe all existing services, including Electrical, Plumbing, etc.	Item		
1.2	1	Disconnect and remove from site existing AC 1 indoor unit, outdoor unit and interconnecting refrigeration piping.	Item		
1.3	1	Safely disconnect existing controls and cables for re-use.	Item		
1.4	1	Demolish existing concrete plinth inside plant room on which existing AC 1 is mounted. Make good floor finish to smooth level surface.	Each		
1.5	2	2 off blanking plates (temporary) to return air openings.	Each		
<b>2 - AIR CONDITIONING UNIT AC 1 (REPLACEMENT)</b>					
2.1	1	Indoor air handling unit to AC 1 including filters and control panel.	Each		
2.2	1	Outdoor VRF condensing units serving AC 1	Each		
2.3	1	Hot dipped galvanised channel beams for mounting of outdoor units.	Item		
2.4	1	Complete refrigeration piping installation to AC 1 including all cable trays, insulation, external covers, etc.	Item		
2.5	1	Ducting installation to connect new AC 1 to existing supply air ducting.	Item		
2.6	1	New room mounted temperature sensor for AC 1.	Each		
2.7	1	Commissioning of AC 1 System.	Item		
<b>3 - ELECTRICAL INSTALLATION TO NEW AC 1</b>					

	QTY	DESCRIPTION	UNIT OF MEASURE	UNIT PRICE	TOTAL LINE ITEM PRICE Incl. VAT
3.1	1	New 100A panel mount isolator to power supply serving VRF outdoor units.	Each		
3.2	1	New 80A circuit breaker serving VRF outdoor unit 1.	Each		
3.3	1	New 40A circuit breaker serving VRF outdoor unit 2.	Each		
3.4	1	New weatherproof lockable isolator (80A) serving VRF outdoor unit 1.	Each		
3.5	1	New weatherproof lockable isolator (60A) serving VRF outdoor unit 2.	Each		
3.6	35	PVCAS cable serving VRF outdoor unit 1 (16mm <sup>2</sup> ).	metre		
3.7	50	PVCAS cable serving VRF outdoor unit 2 and new indoor unit AC1 (6mm <sup>2</sup> ).	metre		
3.8	1	Installation of all electrical works.	Item		
3.9	1	Relocation of existing outdoor isolator serving extract fan to make space for new refrigerant piping.	Each		
<b>4 - REPLACEMENT MOTORISED SHUT-OFF DAMPERS (SD1, SD2, AND SD3)</b>					
4.1	1	Carefully remove and discard existing motorised dampers and actuators.	Item		
4.2	1	Supply and install new motorised dampers and actuators.	Item		
4.3	1	Reinstate sheetmetal flashing around motorized dampers.	Item		
<b>5 - REPLACEMENT BACK-DRAUGHT SHUTTER</b>					
5.1	1	Removal of existing back draught shutter serving extract fan F4	each		
5.2	1	New back draught shutter (BS 1) including installation.	each		
<b>6 - REPLACEMENT CEILING DIFFUSERS TO FIRST FLOOR</b>					
6.1	23	Remove existing ceiling diffusers	each		
6.2	1	Make new square openings in plaster ceiling and fit new T-Frames.	each		
6.3	23	Install new swirl type ceiling diffusers including thermal insulation of diffusers top surfaces.	each		
6.4	1	Install new insulated flexible ducting to all new ceiling diffusers.	Item		
7	12	<b>MAINTENANCE OF ALL NEW INSTALLATIONS</b>	month		
8	1	<b>MAINTENANCE &amp; OPERATING MANUALS</b>	Item		
9	1	<b>HEALTH &amp; SAFETY COMPLIANCE</b> as per	Item		

	QTY	DESCRIPTION	UNIT OF MEASURE	UNIT PRICE	TOTAL LINE ITEM PRICE <b>Incl. VAT</b>
		specification.			
10	1	<b>PRELIMINARY and GENERAL (P&amp;G)</b> Items not included above	Item		
<b>11 - PROVISIONAL SUMS</b>					
11.1	1	Control modifications (if needed)			R45 000-00
11.2	1	Electrical DB modifications (if needed)			R50 000-00
11.3	1	Gas Detection System modifications (if needed)			R25 000-00
<b>TOTAL CONTRACT VALUE OF ABOVE (CEILING PRICE) (Incl. VAT)</b>				R	
Exchange rate used at time of pricing schedule (if applicable)				Currency :	
Bank that was used for the exchange rate at time of pricing schedule:					
Portion (percentage) of the total bid price that is subject to exchange rate fluctuations if applicable:			%		

## PRICE ADJUSTMENTS

## A NON-FIRM PRICES SUBJECT TO ESCALATION

- NON FIRM PRICES WILL BE ADJUSTED (LOADED) WITH THE ASSESSED CONTRACT PRICE ADJUSTMENTS IMPLICIT IN NON FIRM PRICES WHEN CALCULATING THE COMPARATIVE PRICES
- IN THIS CATEGORY PRICE ESCALATIONS WILL ONLY BE CONSIDERED IN TERMS OF THE FOLLOWING FORMULA:

$$Pa = (1 - V)Pt \left( D1 \frac{R1t}{R1o} + D2 \frac{R2t}{R2o} + D3 \frac{R3t}{R3o} + D4 \frac{R4t}{R4o} \right) + VPt$$

Where:

Pa	=	The new escalated price to be calculated.
(1-V)Pt	=	85% of the original bid price. <b>Note that Pt must always be the original bid price and not an escalated price.</b>
D1, D2..	=	Each factor of the bid price eg. labour, transport, clothing, footwear, etc. The total of the various factors D1, D2...etc. must add up to 100%.
R1t, R2t.....	=	Index figure obtained from new index (depends on the number of factors used).
R1o, R2o	=	Index figure at time of bidding.
VPt	=	15% of the original bid price. This portion of the bid price remains firm i.e. it is not subject to any price escalations.

- The following index/indices must be used to calculate your bid price:

Index..... Dated.....      Index..... Dated.....      Index..... Dated.....

Index..... Dated.....      Index..... Dated.....      Index..... Dated.....

- FURNISH A BREAKDOWN OF YOUR PRICE IN TERMS OF ABOVE-MENTIONED FORMULA. THE TOTAL OF THE VARIOUS FACTORS MUST ADD UP TO 100%.

FACTOR (D1, D2 etc. eg. Labour, transport etc.)	P PERCENTAGE OF BID PRICE

**B PRICES SUBJECT TO RATE OF EXCHANGE VARIATIONS**

1. Please furnish full particulars of your financial institution, state the currencies used in the conversion of the prices of the items to South African currency, which portion of the price is subject to rate of exchange variations and the amounts remitted abroad.

PARTICULARS OF FINANCIAL INSTITUTION	ITEM NO	PRICE	CURRENCY	RATE	PORTION OF PRICE SUBJECT TO ROE	AMOUNT IN FOREIGN CURRENCY REMITTED ABROAD
				ZAR=		
				ZAR=		
				ZAR=		
				ZAR=		
				ZAR=		
				ZAR=		
				ZAR=		
				ZAR=		
				ZAR=		
				ZAR=		
				ZAR=		
				ZAR=		

2. Adjustments for rate of exchange variations during the contract period will be calculated by using the average monthly exchange rates as issued by your commercial bank for the periods indicated hereunder: (Proof from bank required)

AVERAGE MONTHLY EXCHANGE RATES FOR THE PERIOD:	DATE DOCUMENTATION MUST BE SUBMITTED TO THIS OFFICE	DATE FROM WHICH NEW CALCULATED PRICES WILL BECOME EFFECTIVE	DATE UNTIL WHICH NEW CALCULATED PRICE WILL BE EFFECTIVE



# PART C – BIDDER QUALIFICATIONS

## BIDDER REQUIREMENTS

The bidder must provide evidence of the following:

- High level project management plan demonstrating the bidder's proposed execution of the contract, completion time, inclusive of all milestones.
- Three (3) written references with contact details in the reference format specified in this bid. The reference is for those customers for whom the bidder has completed work within the last sixty (60) months and/or current work in progress or, contact details of three customers for the last two years where practical to enable verbal references.
- A minimum of 5 years HVAC/Mechanical industry experience
- CIDB Grade 3 ME
- Schedule of equipment offered in response to the specification in this invitation (Annexure 4)
- A minimum 1-year warranty for all components

Failure to provide documentation of evidence of the above requirements will result in disqualification of bid.

The successful bidder will be required to supply NRF/SAIAB with audited financial statement and Management Accounts and/or forecasts for at least a year for financial due diligence purposes prior to award.

# PART D – BID SELECTION PROCESS

This bid will be evaluated in three stages as follows:

## STAGE 1: SUBMISSION OF RETURNABLE DOCUMENTS AND SCHEDULES

Bids will be evaluated for compliance with the procedural requirements of the bid, which entails the completion and/or submission of the returnable documents and schedules specified in the Returnable Documents and Schedules Checklist in page 25 below.

Failure to comply with the mandatory requirements in this stage may result in bid disqualification. However, SAIAB may apply the discretion to allow bidders to complete and/or sign returnable schedules not completed and/or signed in the first instance or to submit returnable documents not submitted in the first instance. Such returnable schedules or documents must be of a purely administrative nature (such as SBD forms or B-BBEE certificate), and may not pertain to the substance of the bid such as to affect the competitive position of bidders by giving one or more bidders a second and unfair opportunity to augment the quality (substantive) aspects of their bid. No award will be done without complete provision of returnable documents and schedules.

## STAGE 2: TECHNICAL EVALUATION

Each bid will be evaluated against the technical/quality criteria outlined in pages 26-27 below.

Bids which fail to meet the requirements of Stage 2 will be disqualified and not evaluated further in Stage 3.

## STAGE 3: PRICE AND SPECIFIC GOALS POINTS SCORING

Bid price proposals are compared on an equal and fair basis, considering all aspects of the bid pricing requirements. Qualifying bids are ranked on price and specific goals points claimed in the following manner:

- (i) **Price** - with the lowest priced bid receiving the highest price score as set out in the Preferential Procurement Regulations 2022;
- (ii) **Preference** - preference points are allocated in accordance with the Preferential Procurement Policy Framework Act (Act 5 of 2000) and its Regulations 2022 as claimed in the specific goals claim form (SBD 6.1) supported by a valid B-BBEE certificate or sworn affidavit, in the case of EMEs and QSEs, are added to the price ranking scores.

## STAGE 1 – SUBMISSION OF RETURNABLE DOCUMENTS AND SCHEDULES

All mandatory criteria need to be complied with to move on to the next stage of evaluation. All SBD forms indicated as mandatory must be completed and signed by bidders failing which, a bid submission may be disqualified for non-compliance. SAIAB may apply the discretion to allow bidders to complete and/or sign returnable schedules not completed and/or signed in the first instance or to submit returnable documents not submitted in the first instance. Such returnable schedules or documents must be of a purely administrative nature (e.g. SBD forms, Construction Sector B-BBEE certificate), and may not pertain to the substance of the bid such as to affect the competitive position of bidders by giving one or more bidders a second and unfair opportunity to augment the quality (substantive) aspects of their bid.

Document description	Weight	Criteria (All criteria are weighted equally to each other)	Assessment Methodology	Bid Section Reference	SCM Verification
<b>SBD 1 Form</b> (Invitation to Bid)	Mandatory	Has the bidder completed and signed the SBD 1 Invitation to Bid form?	Yes/No	Page 31	
<b>SBD 3.2 Form</b> (Non-Firm Pricing Schedule) – submitted in a separate electronic folder	Mandatory	Has the bidder submitted its pricing for the infrastructure and the service plan?	Yes/No	Page 19	
<b>SBD 4 Form</b> (Bidder's Disclosure)	Mandatory	Has the bidder completed and signed the SBD 4 form?  Has the bidder disclosed any conflict of interest which would preclude it from responding to this bid?	Yes/No	Page 34	
<b>SBD 6.1 Form</b> (Preferential Points Claimed)	Mandatory	Has the bidder completed and signed the SBD 6.1 form?	Yes/No	Page 37	

## STAGE 2 – TECHNICAL EVALUATION

**NOTE:** Bidders must carefully review the evaluation criteria and instructions below and ensure that they understand what information is required, including all documentation that is required to be submitted in this stage of evaluation. No second opportunity will be given to submit documentation not submitted, except in the case where there is no competition (i.e. one bid is received) and therefore no prejudice will accrue to any other bidder.

Bidders must meet all mandatory requirements below (i.e. requirements marked as 'Mandatory') in order pass this stage of evaluation and move on to the next stage of evaluation.

Evaluation Criteria	Evidence required	Page Reference	Weight	Assessment Methodology
Project management plan	High level project management plan demonstrating the bidder's proposed execution of the subsequent contract/ completion time (within 4 months of site handover) inclusive of all milestones.		Mandatory	Go / No Go
Three (3) contactable references with contact details. The reference is for those customers for whom the bidder has completed work within the last sixty (60) months or current work in progress or, contact details of three customers for the last two years where practical to enable verbal references.	Three contactable references contact details from clients relevant to this bid indicating that the services provided meet requirement.		Mandatory	Go / No Go
Company Experience	Proof that bidding company has a minimum of 5 years in HVAC/Mechanical industry experience. (Bidder must provide copy of company profile).		Mandatory	Go / No Go
CIDB Grading	CIDB Grade 3 ME. Please provide proof.		Mandatory	Go / No Go
Fit for purpose equipment	Schedule of equipment offered in response to the specification in this invitation		Mandatory	Go / No Go
Occupational Health and Safety	Letter of good standing Safety plan Method statement of works		Mandatory	Go / No Go

1-year warranty for all components	Warranty letter from manufacturer to be provided		Mandatory	Go / No Go	
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BIDDER IS ABLE TO DELIVER THE SPECIFICATION?	YES - PASS TO PRICING	NO – DISQUALIFIED
--	-----------------------	-------------------

### STAGE 3 – PRICE AND PREFERENCE POINTS SCORING

Bids which meet the minimum requirements in Stage 2, will be evaluated on price and specific goals as follows -

CRITERIA	POINTS
PRICE	80
SPECIFIC GOALS (B-BBEE STATUS LEVEL OF CONTRIBUTION)	20
TOTAL POINTS FOR PRICE AND SPECIFIC GOALS MUST NOT EXCEED	100

## BIDDING INSTRUCTIONS

Bidders are urged to carefully study these bidding instructions, as well as all corresponding instructions pertaining to the bid evaluation criteria, scope of works, pricing and returnable, contained in this bid document. Failure to comply with these instructions will be at the bidder's risk, and may affect the evaluation of its bid.

1.	<b><u>Late bids</u></b>
	Bids received after the closing time and/or date shall not be considered.
2.	<b><u>Authority of bid signatory</u></b>
	The bid must be signed by a person duly authorised to do so.
3.	<b><u>Clarification of the bid</u></b>
3.1	A bidder requiring any clarification of the bid documents may direct the request for clarification in writing, to the SAIAB representatives listed on the cover page of this bid document.
3.2	A response will be provided by SAIAB in writing. The response (including an explanation of the query, but without identifying the source of the query) will be sent to all prospective, identifiable bidders.
3.3	The last date for the submission of requests for clarification is 7 <sup>th</sup> April 2023.
4.	<b><u>Bid preparation costs</u></b>
	Bidders will be responsible for all costs associated with the preparation and submissions of their bids.
5.	<b><u>Tender Briefing Session</u></b>
5.1	Bidder will be required to attend the compulsory on-site tender briefing session.
6.	<b><u>Counter proposals</u></b>
	No counter proposals will be accepted.
7.	<b><u>Alterations to the bid document</u></b>
	Bidders may not make any alterations or additions to the content of this bid document, except to comply with the instructions issued by SAIAB, i.e. the completion of the schedules indicated as mandatory for completion. Any alterations made to the content of this bid document other than those mandated by SAIAB will result in the invalidation of a bidder's submission.
8.	<b><u>Submitting a tender offer</u></b>
8.1	Bidders may submit one tender offer only, either as a single tendering entity or as a member of a joint venture or consortium, unless otherwise stated in this bid document.
8.2	Each party to a joint venture or consortium must individually complete and submit the SBD returnable schedules included in this bid document.
8.3	Bidders must return all returnable documents and schedules after completing them in their entirety, preferably electronically, or by writing legibly in non-erasable ink. The bid document must be submitted in its entirety.
10.	<b><u>Clarification of bidder's tender offer after submission</u></b>
10.1	Bidders may be required by SAIAB, to provide clarification or additional details of their tender offer during the bid evaluation or adjudication stages. This may include providing a breakdown of rates or prices, or correction of arithmetical errors by the adjustment of certain rates or item prices (or both).
10.2	No change in the competitive position of bidders or substance of the tender offer may be sought, offered, or permitted.
11.	<b><u>Two envelope system</u></b>

11.1	SAIAB utilises the two-envelope system to minimise any form of price bias in the technical evaluation phase.
11.2	All responses must be submitted in two electronic folders; the first folder shall contain the technical, and compliance response and the second shall contain only the pricing response.
11.3	Bidders must ensure that they do not include any pricing details in the first folder, as SAIAB reserves the right to disqualify such bids.
11.4	<b>Bidders are required to package their bid as follows:</b> <ul style="list-style-type: none"> <li>● Folder 1: Compliance and Technical Response</li> <li>● Folder 2: Pricing Response</li> </ul>
<b>12.</b>	<b><u>Central Supplier Database registration</u></b>
	Bidders must be registered on the National Treasury Central Supplier Database ('CSD') in order to be recommended for the award of this bid, and must provide their CSD supplier number in their bid submission.
<b>13.</b>	<b><u>Tax compliance status</u></b>
13.1	Bidders must ensure that their tax matters are in order. No award will be made to any bidder whose tax matters have not been declared to be in order by the South African Revenue Services (SARS).
13.2	Each party to a joint venture, consortium or partnership must comply with the above requirement.
13.3	The bid will be declared non-responsive in the event that the bidder's tax matters are shown not be in order, and the bidder fails to ensure that its tax matters are in order within such timeframe as may be granted by SAIAB in writing at time of award.
<b>14.</b>	<b><u>Invalid bids</u></b>
	Tenders shall be invalid if –
14.1	In a two-envelope system, a bidder fails to submit both a technical proposal and a separate financial offer.
14.2	The bidder has been listed on the National Treasury's Register for Tender Defaulters in terms of the Prevention and Combating of Corrupt Activities Act, No. 12 of 2004, or has been listed on the National Treasury's List of Restricted Suppliers and who is therefore prohibited from doing business with the public sector.
14.3	The bidder has been restricted from doing business with any Organ of state.
<b>15.</b>	<b><u>Price negotiations prior to award</u></b>
15.1	The award of this bid may be subject to price negotiations with the preferred bidder or bidders, where there are opportunities for realising cost savings, or where bid prices are not market related.
15.2	SAIAB reserves the right to reject overpriced or under-priced bids outside the identified price range for the bid.
<b>16.</b>	<b><u>SAIAB's right to vary requirements at time of award</u></b>
	SAIAB reserves the right, at the time of making the award, to decrease the quantity of goods specified in the pricing schedule without any change to the unit price(s), or the terms and conditions of the bid, provided that the items to be decreased were specified in the bid document to be optional, or to be quoted on for indicative purposes.
<b>17.</b>	<b><u>Cancellation of the bid prior to award</u></b>
	SAIAB reserves the right to cancel this bid at any time before award, where -
17.1	Due to changed circumstances there is no longer a need for the services specified in this bid.
17.2	Funds are no longer available to cover the total envisaged expenditure for the project.
17.3	No bids meet the required specifications.

17.4	There is a material irregularity in the bid process.
<b>18.</b>	<b><u>Bid award</u></b>
18.1	The bid will be awarded after approval by the NRF's Delegated Authority, to the bidder with the highest combined score for Price and specific goals, unless other objective criteria, specified in the bid document, applies.
	Due diligence may be carried out on the recommended bidder, as such the recommended bidder are required to submit at least three client references from clients to whom similar services have been provided.
18.3	Reference letters must be completed in the template provided in this bid document or in the same format, and must indicate that expectations were met.
18.4	The award will be subject to final verification of the bidder's tax compliance status.
<b>19.</b>	<b><u>Collusion, fraud and corruption</u></b>
	Any effort by the bidder to influence evaluation, comparisons, or award decisions in any manner will result in the rejection and disqualification of the bidder concerned.
<b>20.</b>	<b><u>Fronting</u></b>
20.1	SAIAB supports Government's Broad-Based Black Economic Empowerment (B-BBEE) initiatives, recognising that real empowerment is achieved by individuals and businesses conducting themselves in accordance with the Constitution and in an honest, fair, equitable, transparent, and legally compliant manner. Therefore, SAIAB condemns any form of fronting.
20.2	SAIAB's evaluation committees may conduct or initiate investigations to determine the accuracy of bidders' B-BBEE representations.
20.3	Should SAIAB have reasonable grounds to suspect any form of fronting, the bidder in question will be notified and given 7 days from the date of notification to provide evidence refuting the finding of fronting.
20.4	Should the bidder be unable to refute the finding to the satisfaction of SAIAB, SAIAB reserves the right to reject the bid submitted by the bidder or cancel any contracts entered into with the bidder, and apply to National Treasury to restrict for the bidder to be restricted from conducting business with the public sector for a period not exceeding 10 years, and exercise any other remedies SAIAB may have against such a bidder.
<b>21.</b>	<b><u>Disclaimers</u></b>
	SAIAB has produced this document in good faith. The NRF, its agents, and its employees and associates do not warrant its accuracy or completeness; make no representation, warranty, assurance, guarantee or endorsements to any third parties concerning the document. SAIAB has no liability towards the bidders in connection therewith.
<b>22.</b>	<b><u>General definitions</u></b>
22.1	<b>"B-BBEE"</b> means broad-based black economic empowerment as defined in section 1 of the Broad-Based Black Economic Empowerment Act.
22.2	<b>"B-BBEE status level of contributor"</b> means the B-BBEE status of an entity in terms of a code of good practice on black economic empowerment, issued in terms of section 9(1) of the Broad-Based Black Economic Empowerment Act.
22.3	<b>"Bid"</b> means a written offer in a prescribed or stipulated form in response to an invitation by the National Research Foundation for the provision of goods or services, through price quotations, advertised competitive bidding processes or proposals.
22.4	<b>"Broad-Based Black Economic Empowerment Act"</b> means the Broad-Based Black Economic Empowerment Act, 2003 (Act No. 53 of 2003).
22.5	<b>"Contract"</b> means the entire bid document inclusive of scope of work, specification, price conditions, price quote



	table, service delivery conditions, performance conditions with their key performance indicators, and general conditions when attached to the Standard Bidding Document 7.1 (SBD 7.1) which has been signed by the awarded bidder and the National Research Foundations.
22.6	<b>“Construction Sector Code”</b> means the Amended Construction Sector Code provides a framework for the Construction Sector to address B-BBEE, enhance the capacity of black contractors, black professionals, industry workers and the community and to increase the productivity of the sector to meet world best practice, as issued by Government Gazette 41287, 1 December 2017.
22.6	<b>“EME”</b> means an Exempted Micro Enterprise in terms of a code of good practice on black economic empowerment issued in terms of section 9 (1) of the Broad-Based Black Economic Empowerment Act or relevant sector scorecard.
22.7	<b>“Functionality”</b> means the ability of a bidder to provide goods and/or services in accordance with specifications as set out in these bid documents.
22.8	<b>“Proof of B-BBEE status level of contributor”</b> means: <ul style="list-style-type: none"> <li>- B-BBEE Status level certificate issued by an authorized body or person;</li> <li>- A sworn affidavit as prescribed by the B-BBEE Codes of Good Practice;</li> <li>- Any other requirement prescribed by the B-BBEE Act.</li> </ul>
22.9	<b>“QSE”</b> means a qualifying small business enterprise in terms of a code of good practice on black economic empowerment issued in terms of section 9 (1) of the Broad-Based Black Economic Empowerment Act or relevant sector scorecard.
22.10	<b>“Equipment”</b> means the operational unit including spares, replacement components, consumables, sub-systems, firmware and software that delivers the specified output.
22.11	<b>“NRF”</b> means the National Research Foundation and it is used interchangeably with its business units managing the contract being SAIAB.

# PART E – RETURNABLE SCHEDULES

INVITATION TO BID (SBD 1)			
Bid number		NRF/SAIAB/66/2022-23	
Closing date and time		Friday, 14 April 2023 at 11.00AM	
The NRF recognises the date and time as recorded on its systems for closure purposes.			
SUMMARY OF BID REQUIREMENTS			
Appointment of a qualified and experienced service provider/contractor to strip out redundant HVAC equipment, supply, install, commission, integrate with Building Management System (BMS) and maintain for 12 months, a new replacement HVAC system the unit will service the ground floor Collections room.			
Bid submission method:		<p>Electronic submissions must be sent to <a href="mailto:bids@saiab.nrf.ac.za">bids@saiab.nrf.ac.za</a>. Bids must be submitted in two separate electronic folders, one with the compliance and technical response, and the second with the financial response. Technical submissions must be in searchable PDF format.</p> <p>The financial response must be password protected. Folders must be titled with the bidder's company name and folder title. Attachments are limited to 25 MB per email.</p> <p>Bidders are to send an email to <a href="mailto:bids@saiab.nrf.ac.za">bids@saiab.nrf.ac.za</a> post submission with the password to their financial envelope. Receipt will be confirmed by SAIAB via email.</p>	
Compulsory briefing session:		<p>A compulsory site briefing session will be held.</p> <p>Date: 31 March 2023 at 11:00 AM</p> <p>Venue: SAIAB building, Somerset street, Makhanda</p>	
Two envelope system		Yes	
Bid validity period from date and time of closure		Ninety (90) days	
SUPPLIER INFORMATION			
Name of Bidder			
Postal Address			
Street Address			
Telephone Number			
Code		Number	

<b>Cell Phone Number</b>															
Code		Number													
<b>Facsimile Number</b>															
Code		Number													
<b>E-Mail Address</b>															
<b>VAT Registration Number</b>															
<b>Tax Status</b>	<b>Compliance</b>	Tax Compliance System PIN		<b>OR</b>	Central Supplier Database No. MAAA										
<b>B-BBEE Status Level Verification Certificate</b>		Tick Applicable Box. <input type="checkbox"/> Yes <input type="checkbox"/> No		<b>B-BBEE Status Level Sworn Affidavit or CIPC Certificate</b> Tick Applicable Box. <input type="checkbox"/> Yes <input type="checkbox"/> No											
<b>[A Construction Sector B-BBEE status level verification certificate/sworn affidavit (for EMEs &amp; QSEs) must be submitted in order to qualify for points for specific goals – also refer to the SBD 6.1]</b>															
<b>Are you the accredited representative in South Africa for the goods/services/works offered?</b>		<input type="checkbox"/> Yes <input type="checkbox"/> No [If yes enclose proof]		<b>Are you a foreign-based supplier for the goods/services/works offered?</b> <input type="checkbox"/> Yes <input type="checkbox"/> No [If yes, answer the questionnaire below]											
<table border="1"> <tr> <td>Is the entity a resident of the Republic of South Africa (RSA)?</td> <td><input type="checkbox"/>Yes <input type="checkbox"/>No</td> </tr> <tr> <td>Does the entity have a branch in the RSA?</td> <td><input type="checkbox"/>Yes <input type="checkbox"/>No</td> </tr> <tr> <td>Does the entity have a permanent establishment in the RSA?</td> <td><input type="checkbox"/>Yes <input type="checkbox"/>No</td> </tr> <tr> <td>Does the entity have any source of income in the RSA?</td> <td><input type="checkbox"/>Yes <input type="checkbox"/>No</td> </tr> <tr> <td>Is the entity liable in the RSA for any form of taxation?</td> <td><input type="checkbox"/>Yes <input type="checkbox"/>No</td> </tr> </table>						Is the entity a resident of the Republic of South Africa (RSA)?	<input type="checkbox"/> Yes <input type="checkbox"/> No	Does the entity have a branch in the RSA?	<input type="checkbox"/> Yes <input type="checkbox"/> No	Does the entity have a permanent establishment in the RSA?	<input type="checkbox"/> Yes <input type="checkbox"/> No	Does the entity have any source of income in the RSA?	<input type="checkbox"/> Yes <input type="checkbox"/> No	Is the entity liable in the RSA for any form of taxation?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Is the entity a resident of the Republic of South Africa (RSA)?	<input type="checkbox"/> Yes <input type="checkbox"/> No														
Does the entity have a branch in the RSA?	<input type="checkbox"/> Yes <input type="checkbox"/> No														
Does the entity have a permanent establishment in the RSA?	<input type="checkbox"/> Yes <input type="checkbox"/> No														
Does the entity have any source of income in the RSA?	<input type="checkbox"/> Yes <input type="checkbox"/> No														
Is the entity liable in the RSA for any form of taxation?	<input type="checkbox"/> Yes <input type="checkbox"/> No														
If the answer is "No" to all of the above, then it is not a requirement to register for a tax compliance status system pin code from the South African Revenue Service (SARS).															
<b>BID SUBMISSION</b>															
1.	Bids must be delivered by the stipulated time to the correct address. Late bid will not be accepted for consideration.														
2.	All bids must be submitted on the officially provided forms provided – (not to be re-typed) or in the manner prescribed in the bid document.														
3.	This bid is subject to the specifications and special conditions of contract pertaining to this bid, the Preferential Procurement Policy Framework Act, 2000, the General Conditions of Contract (GCC), and any other legislative requirements if applicable to this bid. These are included in this document thereby forming the contract between the NRF and the appointed/awarded bidder.														
4.	The successful bidder will be required to fill in and sign the contract signature form (SBD7) for this contract.														
5.	The specification will form part of the contract.														
<b>TAX COMPLIANCE REQUIREMENTS</b>															
1.	Bidders must ensure compliance with their tax obligations.														
2.	Where the bidder is registered on the Central Supplier Database (CSD), a CSD number must be provided														
3.	Bidders are required to submit their unique personal identification number (PIN) issued by SARS to enable the organ of state to verify the taxpayer's profile and tax status. Application for tax compliance status (TCS) pin is														

	made via e-filing through the SARS website <a href="http://www.sars.gov.za">www.sars.gov.za</a> .
4.	Bidders may also submit a printed TCS certificate together with the bid, available via e-filing through the SARS website <a href="http://www.sars.gov.za">www.sars.gov.za</a> .
5.	In bids where consortia/ joint ventures/ sub-contractors are involved; each party must submit a separate TCS certificate/PIN/CSD number.
6.	No bids will be considered from persons in the service of the state, companies with directors who are persons in the service of the state, or close corporations with members' persons in the service of the state.

## SBD 4 BIDDER'S DISCLOSURE

### 1. PURPOSE OF THE FORM

Any person (natural or juristic) may make an offer or offers in terms of this invitation to bid. In line with the principles of transparency, accountability, impartiality, and ethics as enshrined in the Constitution of the Republic of South Africa and further expressed in various pieces of legislation, it is required for the bidder to make this declaration in respect of the details required hereunder.

Where a person/s are listed in the Register for Tender Defaulters and / or the List of Restricted Suppliers, that person will automatically be disqualified from the bid process.

### 2. BIDDER'S DECLARATION

- 2.1 Is the bidder, or any of its directors / trustees / shareholders / members / partners or any person having a controlling interest<sup>1</sup> in the enterprise,  
employed by the state? **YES/NO**

- 2.1.1 If so, furnish particulars of the names, individual identity numbers, and, if applicable, state employee numbers of sole proprietor/ directors / trustees / shareholders / members/ partners or any person having a controlling interest in the enterprise, in table below.

Full Name	Identity Number	Name of State institution

<sup>1</sup> the power, by one person or a group of persons holding the majority of the equity of an enterprise, alternatively, the person/s having the deciding vote or power to influence or to direct the course and decisions of the enterprise.

2.2 Do you, or any person connected with the bidder, have a relationship with any person who is employed by the procuring institution? **YES/NO**

2.2.1 If so, furnish particulars:

.....  
.....

2.3 Does the bidder or any of its directors / trustees / shareholders / members / partners or any person having a controlling interest in the enterprise have any interest in any other related enterprise whether or not they are bidding for this contract? **YES/NO**

2.3.1 If so, furnish particulars:

.....  
.....

### 3 DECLARATION

I, the undersigned, (name)..... in submitting the accompanying bid, do hereby make the following statements that I certify to be true and complete in every respect:

3.1 I have read and I understand the contents of this disclosure;

3.2 I understand that the accompanying bid will be disqualified if this disclosure is found not to be true and complete in every respect;

3.3 The bidder has arrived at the accompanying bid independently from, and without consultation, communication, agreement or arrangement with any competitor. However, communication between partners in a joint venture or consortium<sup>2</sup> will not be construed as collusive bidding.

3.4 In addition, there have been no consultations, communications, agreements or arrangements with any competitor regarding the quality, quantity, specifications, prices, including methods, factors or formulas used to calculate prices, market allocation, the intention or decision to submit or not to submit the bid, bidding with the intention not to win the bid and conditions or delivery particulars of the products or services to which this bid invitation relates.

3.4 The terms of the accompanying bid have not been, and will not be, disclosed by the bidder, directly or indirectly, to any competitor, prior to the date and time of the official bid opening or of the awarding of the contract.

3.5 There have been no consultations, communications, agreements or arrangements made by the bidder with any official of the procuring institution in relation to this procurement process prior to and during the bidding process except to provide clarification on the bid submitted where so required by the institution; and the bidder was not involved in the drafting of the specifications or terms of reference for this bid.

<sup>2</sup> Joint venture or Consortium means an association of persons for the purpose of combining their expertise, property, capital, efforts, skill and knowledge in an activity for the execution of a contract.

3.6 I am aware that, in addition and without prejudice to any other remedy provided to combat any restrictive practices related to bids and contracts, bids that are suspicious will be reported to the Competition Commission for investigation and possible imposition of administrative penalties in terms of section 59 of the Competition Act No 89 of 1998 and or may be reported to the National Prosecuting Authority (NPA) for criminal investigation and or may be restricted from conducting business with the public sector for a period not exceeding ten (10) years in terms of the Prevention and Combating of Corrupt Activities Act No 12 of 2004 or any other applicable legislation.

I CERTIFY THAT THE INFORMATION FURNISHED IN PARAGRAPHS 1, 2 and 3 ABOVE IS CORRECT.

I ACCEPT THAT THE STATE MAY REJECT THE BID OR ACT AGAINST ME IN TERMS OF PARAGRAPH 6 OF PFMA SCM INSTRUCTION 03 OF 2021/22 ON PREVENTING AND COMBATING ABUSE IN THE SUPPLY CHAIN MANAGEMENT SYSTEM SHOULD THIS DECLARATION PROVE TO BE FALSE.

.....	.....
Signature	Date

.....	.....
Position	Name of bidder

# SBD 6.1 PREFERENCE POINTS CLAIM FORM IN TERMS OF THE PREFERENTIAL PROCUREMENT REGULATIONS 2022

This preference form must form part of all tenders invited. It contains general information and serves as a claim form for preference points for specific goals.

**NB: BEFORE COMPLETING THIS FORM, TENDERERS MUST STUDY THE GENERAL CONDITIONS, DEFINITIONS AND DIRECTIVES APPLICABLE IN RESPECT OF THE TENDER AND PREFERENTIAL PROCUREMENT REGULATIONS, 2022**

## 1. GENERAL CONDITIONS

1.1 The following preference point systems are applicable to invitations to tender:

- the 80/20 system for requirements with a Rand value of up to R50 000 000 (all applicable taxes included); and
- the 90/10 system for requirements with a Rand value above R50 000 000 (all applicable taxes included).

1.2 The applicable preference point system for this tender is the 80/20 preference point system.

1.3 Points for this tender (even in the case of a tender for income-generating contracts) shall be awarded for:

- (a) Price; and
- (b) Specific Goals.

1.4 The maximum points for this tender are allocated as follows:

	POINTS
PRICE	80
SPECIFIC GOALS	20
Total points for Price and SPECIFIC GOALS	100

1.5 Failure on the part of a tenderer to submit proof or documentation required in terms of this tender to claim points for specific goals with the tender, will be interpreted to mean that preference points for specific goals are not claimed.

1.6 The organ of state reserves the right to require of a tenderer, either before a tender is adjudicated or at any time subsequently, to substantiate any claim in regard to preferences, in any manner required by the organ of state.

## 2. DEFINITIONS

- (a) **“tender”** means a written offer in the form determined by an organ of state in response to an invitation to provide goods or services through price quotations, competitive tendering process or any other method envisaged in legislation;
- (b) **“price”** means an amount of money tendered for goods or services, and includes all applicable taxes less all unconditional discounts;
- (c) **“rand value”** means the total estimated value of a contract in Rand, calculated at the time of bid invitation, and includes all applicable taxes;
- (d) **“tender for income-generating contracts”** means a written offer in the form determined by an organ of state in response to an invitation for the origination of income-generating contracts through any method envisaged in legislation that will result in a legal agreement between the organ of state and a third party that produces revenue for



- the organ of state, and includes, but is not limited to, leasing and disposal of assets and concession contracts, excluding direct sales and disposal of assets through public auctions; and
- (e) “the Act” means the Preferential Procurement Policy Framework Act, 2000 (Act No. 5 of 2000).

### 3. FORMULAE FOR PROCUREMENT OF GOODS AND SERVICES

#### 3.1. POINTS AWARDED FOR PRICE

##### 3.1.1 THE 80/20 OR 90/10 PREFERENCE POINT SYSTEMS

A maximum of 80 or 90 points is allocated for price on the following basis:

$$P_s = 80 \left( 1 - \frac{P_t - P_{min}}{P_{min}} \right) \quad \text{or} \quad P_s = 90 \left( 1 - \frac{P_t - P_{min}}{P_{min}} \right)$$

80/20                      or                      90/10

Where

- $P_s$  = Points scored for price of tender under consideration
- $P_t$  = Price of tender under consideration
- $P_{min}$  = Price of lowest acceptable tender

### 4. POINTS AWARDED FOR SPECIFIC GOALS

Table 1: Specific goals for the tender and points claimed are indicated per the table below and is based on B-BBEE Status Level of Contribution of the Bidder.

*Note to tenderers: The tenderer must indicate how they claim points for each preference point system.*

B-BBEE Status Level of Contribution	Number of points allocated (80/20 system) (between R2 000 and R50 000 000)	Number of points claimed (80/20 system) (To be completed by the tenderer)
1	20	
2	18	
3	14	
4	12	
5	8	
6	6	
7	4	
8	2	
Non compliant contributor	0	

### DECLARATION WITH REGARD TO COMPANY/FIRM

4.1. Name of company/firm.....

4.2. Company registration number: .....

4.3. TYPE OF COMPANY/ FIRM

<input type="checkbox"/> Partnership/Joint Venture / Consortium	<input type="checkbox"/> Personal Liability Company
<input type="checkbox"/> One-person business/sole propriety	<input type="checkbox"/> (Pty) Limited
<input type="checkbox"/> Close corporation	<input type="checkbox"/> Non-Profit Company
<input type="checkbox"/> Public Company	<input type="checkbox"/> State Owned Company

[TICK APPLICABLE BOX]

4.4. I, the undersigned, who is duly authorised to do so on behalf of the company/firm, certify that the points claimed, based on the specific goals as advised in the tender, qualifies the company/ firm for the preference(s) shown and I acknowledge that:

- i) The information furnished is true and correct;
- ii) The preference points claimed are in accordance with the General Conditions as indicated in paragraph 1 of this form;
- iii) In the event of a contract being awarded as a result of points claimed as shown in paragraphs 1.4 and 4.2, the contractor may be required to furnish documentary proof to the satisfaction of the organ of state that the claims are correct;
- iv) If the specific goals have been claimed or obtained on a fraudulent basis or any of the conditions of contract have not been fulfilled, the organ of state may, in addition to any other remedy it may have –
  - (a) disqualify the person from the tendering process;
  - (b) recover costs, losses or damages it has incurred or suffered as a result of that person's conduct;
  - (c) cancel the contract and claim any damages which it has suffered as a result of having to make less favourable arrangements due to such cancellation;
  - (d) recommend that the tenderer or contractor, its shareholders and directors, or only the shareholders and directors who acted on a fraudulent basis, be restricted from obtaining business from any organ of state for a period not exceeding 10 years, after the *audi alteram partem* (hear the other side) rule has been applied; and
  - (e) forward the matter for criminal prosecution, if deemed necessary.

<p>.....</p> <p><b>SIGNATURE(S) OF TENDERER(S)</b></p>	
<b>SURNAME AND NAME:</b>	.....
<b>DATE:</b>	.....
<b>ADDRESS:</b>	.....
	.....

## OPTIONAL REFERENCE LETTER FORMAT

**Referee Letterhead (Copy and paste this reference letter onto referee company letterhead). At a minimum bidders must provide the contact details of contactable references.**

**Referee Legal Name:**

**REFERENCE ON COMPANY:**

**Bid Number:**

**Bid Description:**

Describe the service/work the above bidder provide to you below

Criteria / risks	Below requirements	Meets requirements	Exceeds requirements
Project performance/time management			
Quality of workmanship			
Quality of goods supplied			
Resources: Personnel			
Co-ordination with other services			
Occupational Health & Safety compliance			
Satisfaction with the work done			
Delivery scheduling			
Other comments			
Approximate value of contract			
Would you use the provider again?			<input type="checkbox"/> YES <input type="checkbox"/> NO

**Completed by:**

**Signature:**

**Company Name:**

**Contact Telephone Number:**

**Contact email address**

**Date:**

## BID SIGNATURE (SBD 1)

I, the bidder, warrant by signature herein, that –

- (i) I have read and accepted each page in this document including any annexures attached to this document.
- (ii) I undertake to supply all the goods, works, and services described in this bid invitation to SAIAB in accordance with the requirements and specifications stipulated herein, at the prices quoted.
- (iii) I confirm that I have satisfied myself as to the correctness and validity of my offer/bid in response to this invitation, covering all my obligations and I accept that any mistakes regarding price(s), rate(s), and calculations are at my own risk.
- (iv) My offer remains binding upon me and open for acceptance by NRF Corporate during the validity period indicated and calculated from the closing time of bid invitation.
- (v) Should the tender be awarded to me, I accept full responsibility for the proper execution and fulfilment of all obligations and conditions devolving on me in terms of this document as the principal liable for the due fulfilment of the subsequent contract conditions.
- (vi) During the bidding period I did not have access to any proprietary information of SAIAB or the NRF, or any other matter that may have unfairly placed our bid in a preferential position in relation to any of the other bidder(s).
- (vii) I confirm that I am duly authorised to sign this offer/ bid response.

NB: Failure to provide / or comply with any of the above particulars may render the bid invalid.

Signature of bidder:

Capacity under which this bid is signed (Proof of authority must be submitted e.g. company resolution)

## ANNEXURE 1

### SCHEDULE OF SUBCONTRACTORS

The Tenderer shall state in the schedule below the names of all sub-contractors he wishes to employ on the Works and shall define their duties and outline their experience. No subsequent changes may be made without the express approval of the Engineer, in writing.

NAME OF SUB-CONTRACTOR	PROPOSED DUTIES	EXPERIENCE
	ELECTRICAL INSTALLATION	
	BUILDING MANAGEMENT SYSTEM	

Signature

Date

Name

Position

## ANNEXURE 2

### **SCHEDULE OF PREVIOUS EXPERIENCE**

The Tenderer shall state in the schedule below, the names of all Contracts of a similar/comparable nature with which he has been involved, and the nature of his involvement.

EMPLOYER	NATURE OF WORK	VALUE OF WORK	YEAR COMPLETED

Signature

Date

Name

Position

## ANNEXURE 3

### **TECHNICAL SPECIFICATION APPLYING TO THIS INSTALLATION**

#### 1. **GENERAL**

This part of the Specification describes the main items of equipment, material and labour etc., which it will be the Air Conditioning/Ventilation Contractor's responsibility to supply, install, test, commission and hand over in good working order and maintain for a period of 12 months.

#### 2. **HEALTH & SAFETY**

The HVAC Contractor shall adhere to the provisions of the Occupations Health and Safety Act, 1993 (Act No 85 of 1993), as amended, and including the Construction Regulations (2014), as amended, forming part thereof.

Annexure 6 of this document contains the NRF/SAIAB Health & Safety Specification. The HVAC Contractor shall adhere to all aspects of this specification.

The following shall be noted in particular:

- The Collections Building incorporates hazardous areas (Level 1).
- Work shall generally be restricted to the air conditioning plant room, electrical room and external areas.
- Where access to other areas is required, permission shall be arranged and all safety measures adhered to.
- NO SMOKING IS ALLOWED ON SITE.
- Temporary blanking plates are to be installed over the return air openings between the Collections Area and the Plant Room during the construction period.

#### 3. **DESIGN CONDITIONS**

The Engineer's design for the air conditioned areas has been based on the following Ambient Conditions, whilst maintaining the specified Internal Conditions.

Ambient Temperature	- Summer	:	32°C Dry Bulb 21°C Wet Bulb
---------------------	----------	---	--------------------------------

	Winter	:	3°C Dry Bulb
--	--------	---	--------------

Internal Areas (Collection Area)	- Summer	:	18°C Dry Bulb $\pm$ 1,5°C
----------------------------------	----------	---	---------------------------

Air Cooled Condensers shall be selected for 35°C Dry Bulb entering temperature.

4. **NOISE AND VIBRATION**

Noise levels caused by the operation of the air conditioning/ventilation equipment shall not exceed 60 dBA when measured at a distance of 1,5m from any grille or diffuser.

The sound attenuator currently installed on the supply air ducting of AC 1 will be re-used

All equipment shall, in any event, be selected for the quietest possible operation.

No transmission of vibration to the structure, or elsewhere, caused by the operation of the air conditioning or ventilation equipment, will be permitted. All sound absorbing and/or anti-vibration materials or devices as are necessary to ensure a satisfactory degree of silence and absence of the transfer of vibration to the structure shall be included in the tender price.

5. **PLANT DUTIES**

The duties of all plant and equipment are indicated on the drawings. No plant shall have a capacity of less than that indicated.

Tenderers shall note that fan pressures where indicated, are given for tendering purposes only, and selections shall be made to suit the losses of the system and the particular equipment offered.

6. **PROGRAMME**

The project programme will be dictated by the delivery period of the long lead items of equipment.

No work shall start on site until all equipment has been delivered to site.

The period of downtime of the air conditioning serving the Collections Area on Ground Floor shall be kept to an absolute minimum. To this end, the existing plant will not be switched off until all materials for the new replacement plant is on site and all work, resources and implementation programme has been confirmed and committed to.

7. **COLLECTION AREA AIR CONDITIONING UNIT (AC 1) REPLACEMENT**

Air conditioning unit AC 1 (Replacement) shall be a 'hybrid' type system consisting of a vertical discharge indoor air handling unit incorporating a DX cooling coil and matched with a set of suitably selected VRF outdoor units.



The indoor air handling unit shall be Air Options Modair series incorporating variable speed EC motor plug supply air fans. Fans shall be provided with fan guards and inlet screens.

Cooling coil shall be copper tube with aluminium fins in a Grade 304 stainless steel frame. To provide maximum dehumidification the coil shall have at least 10 rows.

Filter frames shall be Grade 304 stainless steel.

Condensate drip tray shall be constructed of 1,2mm Grade 304 stainless steel and shall be at least 55 mm deep.

The VRF outdoor units shall be Samsung or equal.

Each outdoor unit shall be an 'inverter' type thus enabling variable capacity (refrigerant volume flow) to suit the instantaneous capacities of the indoor unit. Outdoor units shall be air cooled, with vertical discharge.

Outdoor units shall be fixed to hot dipped galvanised steel channels (with Anti Vibration mounts) placed on top of the existing concrete plinth as indicated on the drawings. All steel, equipment supports, shall be provided by the HVAC Contractor.

All refrigerant piping shall be Refrigerant and Air Conditioning grade copper tubing, annealed coils up to 19,05mm and hard drawn straight lengths for 22,33mm and larger. All tubes are to be thoroughly degreased, nitrogen filled and tube ends capped during installation to prevent ingress of moisture and dirt.

Wall thickness shall be selected for R410A refrigerant design pressure of 5.8 MPa.

All joints and fittings shall be made strictly in accordance with the manufacturer's instructions. All parts shall be carefully cleaned before jointing. Nitrogen shall be passed through pipes while soldering work is carried out.

**Tenders shall note that the Engineer reserves the right to request that two refrigerant pipe joints be cut out and inspected by others to verify that the above has been complied with.**

Before charging with refrigerant the system shall be purged of air and a vacuum held for 24 hour to ensure moisture removal. Equipment manufacturer's instructions and normal industry standards shall be adhered to at all times.

All joints (for branches) shall be as supplied by the VRF System supplier. Joint insulation shall be pre-formed, obtained from the joint supplier. 'Refnet' joint insulation shall be neatly connected and glued onto the insulation material of the adjacent refrigerant piping, using a glue of adequate strength.

The HVAC Contractor shall certify in writing that all refrigerant piping installed meets with the technical specification and recommendations of the air conditioning equipment manufacturer. Piping shall be inspected by the Air Conditioning unit manufacturer's representative for approval.

The refrigerant pipe circuits (before connection to the outdoor units) are to be pressurized to 4MPa and left to stand for 24 hours. The circuits shall be considered satisfactory if during this time the pressure does not become reduced.

Refrigerant pipes shall be insulated with convectional closed cell neoprene rubber sheathes, minimum 10mm thick. Cut ends shall be glued together. All gas pipes and liquid pipes shall be individually insulated.

All piping shall run in cable tray, Cabstrut Medium Duty or equal, of galvanised perforated plate construction. Sizes shall be selected to suit the refrigerant piping.

Piping shall be fixed to the cable tray by means of cable ties with a section of galvanised sheetmetal wrapped around the pipe to prevent over tightening of the cable tie.

Uninsulated copper piping shall not touch any galvanised surfaces e.g. cable tray etc. PVC or rubber spaces shall be provided.

Pipework exposed outdoors shall be provided with galvanised steel covers, painted brown to match existing, to prevent deterioration of the insulation by exposure to the sun.

The control panel forming part of the AC 1 system shall be manufactured by the air handling unit manufacturer who shall take full responsibility for the integration of the AC 1 system including VRF components with cooling coil functioning.

Due to space constraints inside the plantroom, the control panel shall form an integral part of the air handling unit and not be free standing.

The VRF outdoor unit suppliers shall inspect the completed installation and commission the VRF units on site. Written confirmation from the VRF supplier after site commissioning shall be submitted to the Engineer.

The AC 1 control panel shall be painted RED and controls shall include the following:

- Main Isolator (Essential Power)
- AC 1 supply air fans control
- VRF TX value controls
- Programmable digital controller
- Gas detection system interface
- Interface to switch system OFF if Collection Area goes into evacuation mode
- Auto restart after power failure
- ON/OFF Auto switch. On Auto the system must accept a signal from the BMS system for ON/OFF switching.
- BMS interface of:
  - Return air temperature
  - Fan ON/OFF status
  - Filter dirty alarm
  - Air flow status
  - Trip alarm
- Pilot lights for Power On (yellow), Fans run (green) and fans trip (red).

The control panel shall also include an electric display/set point adjustor, on the outer face of the door. This shall display set point temperature, actual temperature and provide means to adjust set point temperature.

Each item of equipment in the panel, or projecting through the door is to be labelled, indicating its function, by means of engraved plastic labels, screwed or pop riveted in position.

All wiring and cables shall be clearly labelled using proprietary cable labelling systems.

A wiring diagram of the control panel is to be provided and fixed to the inside of the door. All terminals are to be numbered on the diagram.

The unit shall be set to operate at a room temperature of **18°C**.

The unit shall be required to operate 24 hours per day throughout the year.

Heating is not required.

The indoor unit shall utilize the plant room as a return air plenum.

The Air Conditioning Contractor shall provide all refrigerant piping and condensate drain piping to the extent indicated on the drawings.

Drains shall be provided with suitable P traps.

The Air Conditioning Contractor shall supply and install a weatherproof lockable isolator adjacent to the outdoor VRF condensing units and a power supply to the indoor unit control panel as well as the interconnection cables to the HVAC Control Panel located in the Ground Floor plant room as indicated on the drawings. Interconnecting cables shall be PVCAS.

## **8. DUCTING**

### **8.1 Galvanised Sheet Metal Ducting (Rectangular)**

All ducting shall comply with SABS 1238, as amended. All ducting dimensions are sheet metal sizes. For ease of installation, ducting may be jointed by means of the "Mezventlock System" or approved equal system.

Ducting metal thicknesses, joint spacing, stiffeners, hanger spacing and hanger types shall be as per the SARACCA 5 Category Classification. A copy of the SARACCA classification can be found as Clause 18 of this specification.

### **8.2 Duct Insulation**

Air conditioning supply and return air ducting shall be externally insulated as indicated on the drawings.

External insulation shall be two layers of Alucushion 1983 (Foil/Foil) securely fixed to the metal surface. Straps shall be provided at 1m centres to all ducts.

All fresh air supply ducting and extract ducting shall not be insulated.

### **8.3 Flexible ducting**

Flexible ducting supplying or returning conditioned air shall be similar or approved equal to Systemair Alu-Flex thermally insulated ducting.

Flexible fresh air supply and extract ducting shall be uninsulated Systemair Alu-Flex or equal.

Flexible ducting shall comply with local fire codes, and SABS 0400 fire resistance requirements.

Flexible ducting connected to diffusers shall not exceed 1,5m in length.

Flexible ducting shall be of the maximum possible radius without flattening the duct and shall be supported with galvanised sheetmetal straps, sufficient in number to ensure distortion of the ducting does not occur.

Flexible ducting shall be fixed to spigots using the manufacturer's recommended clamps and ends sealed by means of duct tape.

#### 8.4 **Duct Supports**

Tenderers shall allow in their tender for all duct supports. Generally ducting supports shall be as per Clause 18 (SARACCA Classification).

All steel supports shall be galvanised.

Ducting on First Floor shall be supported from the timber trusses. **No drilling of timber members shall be permitted.** Hangers shall be clamped to support members placed over the truss tie beams by the HVAC Contractor.

#### 9. **SUPPLY AIR DIFFUSERS (SA.1 TO SA.23)**

The 23 off existing Rickard CRD (circular) supply air diffusers installed in the ceiling of the First Floor Collections area shall be removed and replaced with new Rickard CSW swirl type diffusers.

The new CSW swirl type diffusers shall :

- Include a T-frame for drop-in mounting for plastered ceilings
- Be thermally insulated on the top surfaces using minimum 5mm thick neoprene sheeting

The air conditioning system operates at 18°C continuously and condensation forms on the cold surfaces within the unconditioned ceiling void. It is therefore critical that all exposed metal surfaces in the ceiling void are well insulated.

New insulated flexible ducting shall be provided to each diffuser.

The Air Conditioning Contractor shall modify the openings in the ceilings and install the T-frames as required.

#### 10. **FILTERS**

Filters shall be of the washable, moulded cartridge, replacement type, having a depth of at least 50mm. The filter media shall have an average efficiency of 25 - 30% on ASHRAE Test Standard 52 - 76. The filter media enclosing frame shall be of corrosion resistant material.

The filters shall be fitted into stainless steel frames and suitable material such as sponge rubber shall be fixed to the frame so as to form an efficient seal between the filter frame and the holding frame. The filter frames must be so designed that they are capable of housing any other manufacturer's filters of the same type and dimensions, without modification.

11. **MOTORISED SHUT-OFF DAMPERS (SD1, SD2 AND SD3)**

The three existing emergency ventilation replacement air intakes motorised shut-off dampers shall be replaced with new dampers and actuators.

The dampers shall be Trox JNL type or approved equal.

To improve the sealing, the dampers shall be provided with side sealers.

Actuator motors shall be 24 volt, drive to open and spring return.

12. **BACK-DRAUGHT SHUTTER**

The existing gravity operated back draught shutter serving Evacuation Fan F4 shall be replaced.

The new back draught shutter shall be a TROX UL-2 type supplied with additional lip seals.

13. **ELECTRICAL**

The electrical supply will be 400/231 volts, 3 phase, 4 wire, 50 Hertz and all equipment supplied under this contract shall be suitable for this supply.

The existing electrical supplies from the Distribution Board shall be reused, however, the HVAC Contractor shall install new cables from the central HVAC control panel to the new AC 1 indoor AHU control panel as well as to the new VRF outdoor units.

The above shall include :

- New 100 panel mount isolator serving the supply to the VRF outdoor units.
- New 80A circuit breaker serving VRF outdoor unit 1.
- New 40A circuit breaker serving VRF outdoor unit 2.
- New 80A weatherproof lockable isolator adjacent to VRF outdoor unit 1.
- New 60A weatherproof lockable isolator adjacent to VRF outdoor unit 2.
- New 16mm<sup>2</sup> PVCAS cable to VRF outdoor unit 1.
- New 6mm<sup>2</sup> PVCAS cable to VRF outdoor unit 2.
- New 6mm<sup>2</sup> PVCAS cable to VRF indoor AHU 1.

Should any modifications be required to the main Distribution Board, these will be implemented by a selected Electrical Contractor and covered by the allowed Provisional Sum.

The HVAC Contractor shall provide a COC for all electrical work performed under this contract.

The central HVAC control panel makes provision for ESSENTIAL POWER to the indoor AC 1 AHU (fan operation) and NON ESSENTIAL POWER to the outdoor condensing units (cooling function).

14. **CONTROLS**

The existing installation operated as follows:

All air conditioning / ventilation equipment (except fans F6, F7 and F8) are controlled from the Air Conditioning Control Panel located in the DB Room.

A digital controller in the air conditioning control panel performs the following functions:

- i) Under 'normal' operation, air conditioning unit AC1 and extract fans F1, F2 and F3 operate together 24 hours per day.
- ii) On receiving a signal from a gas monitoring system (by others), air conditioning unit AC1 and extract fans F1, F2 and F3 to shut down.
- iii) After AC1, F1, F2 and F3 have shut down, shut-off dampers SD1, SD2 and SD3 open.
- iv) After a 2 minute delay (to allow the dampers to open) evacuation fan F4 to switched on.
- v) On receiving a cancel signal from the monitoring system, fan F4 to switch off, dampers SD1 to SD3 close and AC1 starts as well as extract fans F1, F2 and F3 start.
- vi) An air flow switch in the supply air duct of AC1 is used by the BMS for remote monitoring.

The Air Conditioning Contractor shall check the above controls and ensure that after the replacement of the old AC1 installation, the above controls are again fully functional.

## 15. **OPERATING AND MAINTENANCE MANUALS**

### 15.1 **General**

**Two** hard copies (and a flash drive containing PDF files of all documents) of the manuals described in this section shall be handed over as part of the final handover procedures. As far as possible all documents shall be the original issued by suppliers etc. Two paper copies of all as built drawings shall be included. Each volume shall be separately bound and clearly labelled.

### 15.2 **Manual Content**

SECTION	DETAILS TO BE INCLUDED
Air Conditioning System	Complete description of the air conditioning system.
Guarantee / warrantee	Summary schedule of guarantee/warrantees comprising description, start date, duration and completion dates.
Guarantee / warrantee	All guarantee and/or warrantee certificates
Suppliers Literature	Original copies of supplies literature / catalogues
Operating Manuals	Complete system operating Manual
Maintenance	Complete maintenance schedule
Commissioning Data	All commissioning data and test certificates
Spare Parts	Schedule of recommended spare parts and schedule of suppliers
As Built Drawings	

## 16. **EQUIPMENT LABELS**

All equipment shall be provided with labels as per the Equipment Schedule.

AC 1 indoor unit and outdoor units shall be provided with an engraved plastic labels ± 80mm x 40mm.  
All other equipment shall be provided with printed sticker labels.

17. **TESTING**

The entire installation shall be tested by the Air Conditioning Contractor at his expense, in the presence of the Engineer.

18. **SARACCA CLASSIFICATION**

SARACCA

REVISED LOW PRESSURE DUCT METAL THICKNESS

CLASSIFICATION : POSITIVE PRESSURE : 500PA

NEGATIVE PRESSURE : 500PA

VELOCITY : 10M/S

Category	Longest Side (L/S)  (mm)	Semi Perimeter  (mm)	Minimum Thickness	Maximum Spacing between Joint (mm)	Maximum spacing between Stiffner (mm)	Joint Type	Type of Inter mediate Stiffner	Maximum Spacing between Hangers (mm)	Hanger Rod Dia  (mm)	Hanger Angle  (mm)	Measured Sheet Metal Mass  (Kg/m <sup>2</sup> )
1	Up to 750	< 1150	0.6	2400	2400	S&D	Note 1	2400	6	40 x 2	4.9
2	Up to 750	> 1150	0.6	2400	2400	Note 2 Slip on flange	Note 1	2400	6	40 x 2	4.9
3	751 to 1350		0.8	2400	1500	Note 2 Slip on flange	Note 1	2400	8	40 x 3	6.5
4	1351 to 2100		1.0	1500	1500	Note 2 Slip on flange	Note 3	3000	8	40 x 6	8.12
5	> 2101		1.2	1500	1500	Angle mild steel Flange or Mezz flange and Tie Rods	Note 3	3000	10	40 x 6	9.75

Notes	1. Sheet Stiffening	Either cross breaking, beading or pleating of longest side to be applied on all ducting where duct dimension is over 550mm
	2. Slide on flanges	Up to 1350mm – 25mm flange, 1351 – 2100mm 35mm Flange > 2100mm 35mm Flange, and tie rod or mild steel 40 x 40 angle
	3. Stiffner	Inverted V strip or equal stiffner fixed on duct side to prevent panels vibrating and sagging (Tie Rods where necessary to prevent drumming, vibration and sagging)



## ANNEXURE 4

### **SCHEDULE OF EQUIPMENT OFFERED**

- NOTE:
1. This Schedule must be completed for all items offered. Failure to comply with this requirement may render the Tender invalid.
  2. Information in amplification of that given below may be submitted in the form of a covering letter, published literature, etc.
  3. Acceptance of a tender, with this schedule complete, does not relieve the Tenderer of the responsibility of complying with the Specification for the items listed.

#### 1. **COLLECTED AREA AIR CONDITIONING UNIT (AC 1 REPLACEMENT)**

##### 1.1 **Air Handling Unit**

- i) Make \_\_\_\_\_
- ii) Model \_\_\_\_\_
- iii) Supply air Volume (m<sup>3</sup>/s) \_\_\_\_\_
- iv) Make and Model of supply fans \_\_\_\_\_
- v) Cooling Capacity (kW Total) \_\_\_\_\_
- vi) Cooling coil number of rows \_\_\_\_\_
- vii) Room mounted temperature sensor (make) \_\_\_\_\_

##### 1.2 **Outdoor VRF Units**

- i) Make \_\_\_\_\_
- ii) Model \_\_\_\_\_
- iii) Capacity:  
  
Cooling (kW) \_\_\_\_\_  
  
Heating (kW) \_\_\_\_\_

1.3 **Responsibilities**

- i) Party responsible for co-ordinating air handling unit and VRF interface \_\_\_\_\_
- ii) Party responsible for commissioning VRF units \_\_\_\_\_
- iii) Warranty period of VRF compressors \_\_\_\_\_
- iv) Party responsible for commissioning AC 1 controls \_\_\_\_\_

2. **DUCTING**

- 2.1 Name of Manufacturer (Galvanised Sheetmetal) \_\_\_\_\_
- 2.2 Material \_\_\_\_\_
- 2.3 Insulation material \_\_\_\_\_
- 2.4 Flexible ducting: **Insulated**
  - i) Make \_\_\_\_\_
  - ii) Model \_\_\_\_\_

3. **SUPPLY AIR DIFFUSERS (SA.1 TO SA.23)**

- 3.1 Make \_\_\_\_\_
- 3.2 Model \_\_\_\_\_
- 3.3 Finish \_\_\_\_\_
- 3.4 Method of fixing to ceiling \_\_\_\_\_
- 3.5 Insulation material on top surface \_\_\_\_\_

4. **FILTERS (PRIMARY)**

- 3.1 Make \_\_\_\_\_
- 3.2 Type \_\_\_\_\_

5. **MOTORISED SHUT-OFF DAMPERS (SD1, SD2 AND SD3)**

5.1 Make \_\_\_\_\_

5.2 Model \_\_\_\_\_

5.3 Material of Construction \_\_\_\_\_

5.4 Actuator:

i) Make \_\_\_\_\_

ii) Model \_\_\_\_\_

iii) Voltage \_\_\_\_\_

6. **BACK DRAUGHT SHUTTER (BS 1)**

6.1 Make \_\_\_\_\_

6.2 Model \_\_\_\_\_

7. **ELECTRICAL (MAKE & MODEL)**

7.1 Contactors \_\_\_\_\_

7.2 Isolators (panel mount) \_\_\_\_\_

7.3 Isolators (weatherproof) \_\_\_\_\_

7.4 Cables \_\_\_\_\_

NAME OF TENDERER: \_\_\_\_\_

DATE: \_\_\_\_\_

SIGNATURE: \_\_\_\_\_

(for the Tenderer)

## ANNEXURE 5

The following Engineers Drawings are attached to this Document and are applicable to this installation.  
(See attached PDF of the drawing)

<b><u>Drawing No</u></b>	<b><u>Title</u></b>
9213-A-01	HVAC Layout and Details



## ANNEXURE 6

### NRF/SAIAB HEALTH & SAFETY SPECIFICATION AND OCCUPATIONAL HEALTH AND SAFETY ACT 37(2) MANDATORY AGREEMENT

**Special Conditions and Protocols to be complied with as part of the Contract with SAIAB. These conditions are subject to the Terms and Conditions of the GCC.**

#### 1. PURPOSE

1.1 The purpose of this document is to:

- 1.1.1 Outline the NRF/SAIAB Health and Safety Specifications and establish an Agreement between the Mandatory and the Client, that being NRF/SAIAB, for a stipulated contract or agreement period for the delivery of services and / or goods.
- 1.1.2 Ensure effective communication of the requirements for the safe work practices to contractor under contract and subcontract to NRF/SAIAB.
- 1.1.3 Ensure better co-ordination and management of Contractors at NRF/SAIAB.
- 1.1.4 Provide guidance of the minimum requirements for the safe systems of work and practices for contractors.
- 1.1.5 Ensure and clarify NRF/SAIAB personnel's different roles and responsibilities with regard to Contractor management.

#### 2. DEFINITIONS

- 2.1 **Mandatory / Mandatories:** Shall refer to Contractors, Sub-Contractors, Agents and their employees.
- 2.2 **OHSA:** Occupational Health and Safety Act, no. 85 of 1993.
- 2.3 **CLIENT:** National Research Foundation (NRF), acting through its National Facility, South African Institute for Aquatic Biodiversity(SAIAB).
- 2.4 **COIDA:** Compensation for Occupational Injuries and Disease Act, no. 130 of 1993
- 2.5 **CONTRACT:** The contracting agreement which governs the deliverables of goods and services between the Client and the Mandatory.
- 2.6 **SHER Department:** Safety, Health, Environmental and Risk Department.
- 2.7 **Zone 1:** An area in which an explosive gas atmosphere is likely to occur in normal operation
- 2.8 **GNR:** Government Notice Regulations
- 2.9 **PPE:** Personal Protective Equipment
- 2.10 **Noise Zone:** any work area where noise levels exceed 85 dB(A) in accordance with the OHSA, Noise-Induced Hearing Loss Regulations, GNR 307 of 7 March 2003

2.11 **HIRA:** Hazard Identification and Risk Assessment

2.12 **HCA:** Hazardous Chemical Agent

### 3. **ROLES AND RESPONSIBILITIES**

3.1 It is the responsibility of SHER to periodically review the system and the procedure.

3.2 It is the responsibility of each person employing / appointing / controlling Contractors to comply with this procedure.

3.3 It is the responsibility of the NRF/SAIAB SCM / Project manager / Bid committee to ensure that orders are only placed with Contracting Companies who:

3.3.1 Have a satisfactory safety performance history and Complies with the OHSA.

3.3.2 Have the necessary skills and expertise to carry out the work.

3.4 It is the responsibility of the NRF/SAIAB Project manager to clearly define the scope of work to be done.

3.5 It is the responsibility of the SHER /Project manager to:

3.5.1 Ensure the Safety file and all the relevant documentation is received and checked

3.5.2 Ensure the Contractor and the Contractor's employees have all received safety induction.

3.5.2 Ensure validity of COID registration and Letter of Good standing

3.5.3 Issue the Contractor with the Contractor Work Permit and ensure all other relevant permits to work are issued before work commences.

3.5.4 Inform the Contractor of hazards likely to affect the health and safety of the Contractor's employees.

3.5.5 Ensure the Contractor and sub-Contractors comply with this agreement.

3.5.6 Do frequent visual inspections/Audits on-site to ensure compliance.

3.5.7 Oversee the wearing of applicable PPE at all times whilst contractors are performing activities at SAIAB' premise.

3.6 It is the responsibility of the Mandatory:

3.6.1 Ensuring PPE is provided to contracted employees as identified in the Risk Assessment or method statement

3.6.2 Ensure this procedure are complied with by all his/her employees

3.6.3 Ensure they have the necessary competencies and resources to carry out the work safely and all employees are trained, competent and legally appointed

3.6.4 Ensure fall protection plan when working at heights are in place.

3.6.5 Ensure WI's are available for High-risk work before commencing work.

- 3.6.6 Ensure method statements is available in accordance to the scope of work.
- 3.6.7 Ensure a risk assessments (HIRA's) is conducted for all tasks
- 3.6.8 Ensure the list of Hazardous chemical agent and copies of SDS of HCA's to be used during the contract, are handed in to SHER for review.
- 3.6.9 Ensure tools and equipment are in good condition and safe to use (where required, on registers e.g. PPE, ladders, scaffolding etc.).
- 3.6.10 Ensure licenses and permits are available when required.

#### **4. OHSA 37(2) AGREEMENT**

- 4.1 In terms of this Agreement, the Mandatary shall familiarize him / herself with the working Environment and Premises and that he / she agrees to the Arrangements and Procedures, as prescribed by the NRF/SAIAB, and as prescribed in terms of Section 37(2) of the OHSA, for the purpose of compliance with the OHSA.
- 4.2. The Mandatary acknowledges that this Agreement constitutes an agreement in terms of Section 37(2) of the OHSA, whereby all responsibility for health and safety matters relating to the work that the Mandatary and its Employees are to perform on the NRF/SAIAB Premises shall be the obligation of the Mandatary.
- 4.3. The Mandatary further warrants that he and/or the Employees undertake to maintain all necessary compliance with the OHSA. Without derogating from the generality of the above, nor from the provisions of this Agreement, the Mandatary shall ensure that the clauses as hereunder described are at all times strictly adhered to by himself and the Employees.
- 4.4. The Mandatary therefore undertakes to ensure that the health and safety of any person on the Premises is not endangered by the conduct and / or activities of the Employees whilst they are on the NRF/SAIAB Premises.
- 4.5 The Mandatary shall be deemed to be an employer in his own right whilst on the NRF/SAIAB Premises. In terms of Section 16(1) of the OHSA, the Mandatary shall ensure that the requirements of the OHSA are complied with by him / herself and/or his/her Chief Executive Officer.

#### **5. STATUTORY AND NRF/SAIAB REQUIREMENTS**

- 5.1 All Mandatories working within the premises of SAIAB, shall comply with the Regulations of the Occupational Health and Safety Act, No. 85 of 1993 and all other SAIAB requirements.
- 5.2 All Mandatories shall comply with conditions of the Compensation for Occupational injuries and Disease Act, No. 130 of 1993. All Mandatories shall be required to provide a letter of good standing with the Compensation Commission and shall be required to complete the attached form in this document as stated under **Appendices 01**.
- 5.3 All Mandatories shall be required to review, complete and agree to the terms stated in this Agreement before finalization of any contractual agreement between the Mandatary and NRF/SAIAB.

#### **6. GENERAL REQUIREMENTS**

- 6.1 Where reasonably practicable, a Mandatary shall be required to provide a Safety File with all relevant project and safety information pertaining to the contracted works / project in terms of the OHSA and its relevant Regulations.
- 6.2 Where Sub-Contractors are in use, the Primary Contractor shall also ensure that all Sub-Contractors under their management provide a Safety File / Safety Plan in relation to the works they shall conduct.



- 6.3 A copy of this safety file / plan will be kept with the Mandatory at all times and will be updated throughout the course of the project. The Safety File shall be available at all times for auditing by the NRF/SAIAB Project Manager, SHER Department and any Department of Labour Inspectorate.
- 6.4 All Safety Files / Safety Plans shall, as a minimum requirement, be in line with guideline as stated in this document under **Appendices 02**.
- 6.5 The SAIAB Project Manager, SHER Department and other affected Departments must authorize any work/s which could affect or interfere with any SAIAB activities. This shall be done via the issuing of an NRF/SAIAB **General Works Permit** to all Mandatories.
- 6.6 Mandatories and subcontractors shall be required to attend SHER Induction Training which will be conducted by the NRF/SAIAB SHER Team before commencement of any work.
- 6.7 Mandatories shall stay confined to their area/s of work. Any required deviation must be discussed with the NRF/SAIAB Project Manager and the SHER Department.
- 6.8 A Mandatory shall provide reasonable notification to the NRF/SAIAB Project Manager of any intention to deviate from specified work areas / work plans or requirements to enter into any areas related to the project being performed. The time periods for notification shall be agreed upon between the Mandatory and the NRF/SAIAB Project team members.
- 6.9 The NRF/SAIAB Project Team Members and the SHER Department reserve the right to conduct site inspections at any reasonable time it sees fit to ensure compliance with Contract and Safety requirements. The Mandatory is required to be available and assist during all site inspections.
- 6.10 As per Construction Regulations requirements, Section 7 (1e), Mandatories shall be required to hand over a consolidated version of the Safety File the NRF/SAIAB Project Manager upon completion and sign off contracted works.

## **7. SITE ESTABLISHMENT AND SAFETY SIGNAGE**

- 7.1 Mandatories will be allowed to establish a work site at the NRF/SAIAB Facility only if provisions are agreed upon.
- 7.2 These areas shall be marked with appropriate signage by the Mandatory.

## **8. CONSTRUCTION WORKS**

- 8.1 In the case where Construction Work will take place, all Mandatories shall comply with the requirements as stated in the Construction Regulations, GNR 84 of 7 February 2014 in the Occupational Health and Safety Act, No. 85 of 1993.
- 8.2 Mandatories shall be required to submit a detailed Safety File / works plan which will include all Safety programs, Risk Assessments, Legal appointments, equipment and tools lists, Personnel information and details and other relevant project requirements as per Construction Regulations noted in 8.1.
- 8.3 NRF/SAIAB reserve the right to employ the services of a Professional Agent or any other Professional appointment in terms of the Project and Construction Management Professions Act, No. 48 of 2000 and the Construction Regulations, GNR 84 of 2014.

## **9. PERSONAL PROTECTIVE EQUIPMENT**

- 9.1 All Mandatories shall be equipped with the minimum Personal Protective Equipment (PPE) when conducting work at the SAIAB site:
- 9.2 The Mandatory and/or their appointed representative is responsible for provision of the necessary protective equipment, the training of their employees in the proper use of the equipment and to ensure, where applicable, the equipment is used in its proper context.
- 9.3 The Mandatory shall ensure that all PPE damaged during the course of the employee's duties shall be replaced within 2 hours. The employee shall then be allowed to continue with that operation for which the PPE was required.
10. **TOOLS AND EQUIPMENT**
- 10.1 Mandatories shall submit a list of all **safe portable electrical** tools and equipment to the Project Manager and SHER Department as part of their safety file submission.
- 10.2 Makeshift or unsafe equipment shall not be permitted on the premises and will be confiscated / be removed for the duration of the contract.
- 10.3 Mandatories must conduct daily inspections of all tools and equipment in their possession and use and provide an inspection report to that effect as part of their safety file for auditing purposes. NRF/SAIAB Project Manager and SHER Department reserve the right to audit such a document against the equipment listed and in use as and when reasonably required.
11. **TRANSPORT**
- 11.1 Mandatories shall ensure that all vehicles in use by them and brought onto the SAIAB premises shall be in a roadworthy condition, licensed and insured. All drivers of such vehicles will have the required license and no vehicle shall be used for passenger conveyance unless it is designed for this purpose.
12. **HAZARDOUS LOCATION (ZONE 1) AND PRECAUTIONS AGAINST FIRES**
- 12.1 All Mandatories shall take all necessary precautions to eliminate all fire hazards and to prevent fire damage.
- 12.2 Proper demarcation of the work area will be done using safe material to prevent excess temperature, arcs and sparks that can ignite.
- 12.3 All Mandatories shall ensure that his employees do not smoke anywhere on the premises.
- 12.4 All fires shall immediately be reported to the NRF/SAIAB Project Manager and the SHER Department.
- 12.5 Any hazardous chemicals / substances / materials brought on site by the Mandatory must always be accompanied by **Material Safety Data Sheets**.
13. **INTOXICATION AND ILLNESS**
- 13.1 No intoxicating substance of any form shall be allowed on the NRF/SAIAB Premises. Any person suspected of being intoxicated shall not be allowed on the premises.
- 13.2 Any person required to take medication, which may affect sobriety, shall notify the relevant responsible person thereof, as well as the potential side effects of the medication.
- 13.3 The Mandatory shall ensure that none of his/her employees report to the site while ill to such a degree where their own Health, Safety and wellbeing is jeopardized and where risk to other personnel may also exist.

**14. FIRST-AID**

- 14.1 The Mandatory will be required to have their own First-Aider/s appointed for the duration of the project. These First-Aiders must be in possession of a valid First-Aid Certificate.
- 14.2 The Mandatory must have a first-aid box in their possession at all times that is compliant with the General Safety Regulations, no. 3 and its relevant annexure.

**15. HOUSEKEEPING AND WASTE MANAGEMENT**

- 15.1 The Mandatory shall uphold high standards of housekeeping throughout the course of their contract to ensure a safe working environment.
- 15.2 The NRF/SAIAB Technical supervisor and SHER Department together with the appointed Contractor shall authorize areas where rubble and other waste material may be stored. This shall be done in a way that does not present a risk / hazard to personnel, interfere with any processes, obstruct movement and traffic flow and create an Environmental fallout.
- 15.3 All surplus, waste material and builders' rubble shall be removed from the premises on completion of the contract or as otherwise specified by the Project requirements / Project Manager. SAIAB reserves the right to remove such material against cost within one week after completion of the contract if the contractor fails to do so within the allotted project time frame.

**16. SECURITY**

- 16.1 Mandatories are required to report to Technical supervisor. Technical will contact the Project Manager to verify the validity of the contractor before allowing access to the facility.
- 16.2 All contractor vehicles will be subjected to a search before entry and when leaving the premises.
- 16.3 Mandatories are required to remain in their areas of operation and are not allowed to move around the facility unless authorized by the NRF/SAIAB SHER Department and Project Manager.

**17. PROCEDURES IN THE EVENT OF AN ACCIDENT**

- 17.1 The Contractors shall report any injuries sustained by his employee to the Department of Labour. The injuries and responsibilities are as defined in Section 24 of the OHSA, no. 85 of 1993.
- 17.2 All incidents shall be reported to the SAIAB Project Manager and the SHER Department. Copies of all documentation pertaining to the incident shall be provided
- 17.3 The Contractor shall report all injuries to the Compensation Commissioner using the required legal documentation as contemplated in the Occupational Health and Safety Act and Compensation for Occupational Injuries and Diseases Act.
- 17.4 In the event of an accident causing the loss of a life or the possibility of the loss of life, no person shall disturb the site at which the accident occurred or remove any objects involved in the accident before the arrival of an inspector from the Department of Labour and the South African Police Services.

**18. INDEMNITY AND INSURANCE**

- 18.1 NRF/SAIAB shall not be held liable for any loss, damage, injury or death caused by the Mandatories and their employees. The Mandatory indemnifies NRF/SAIAB and holds it harmless against all and any claims, losses,

demands, liability, costs and expenses of whatsoever nature which may arise at any time out of circumstance referred to in this agreement, provided that such loss, damage, injury or death is not caused by a willful act or omission or gross negligence of NRF/SAIAB.

18.2 The Mandatory shall therefore assume liability for any loss or damage which may be caused by the Mandatories or it's employee's negligence. The Mandatory indemnifies NRF/SAIAB from such loss or damage caused by the Mandatories breach of any terms of this Agreement.

18.3 The Mandatory undertakes to ensure that they carry the appropriate insurance cover as specified in the Contract, including third party public liability cover. This information will be provided to the NRF/SAIAB on demand or before any work is allowed to commence.

## 19. **PRECAUTIONARY MEASURES**

19.1 All Contractors must determine the degree of risks and / or hazards related to the work they have tendered for by conducting a comprehensive Risk Assessment (See Appendices 02 for guidelines) and implement the identified precautionary measures throughout the length of the contract.

19.2 SAIAB reserves the right to audit all processes related to Hazard and Risk Management at any reasonable time during the length of the contract.

## 20. **FAILURE TO COMPLY WITH PROCEDURES**

20.1 Failure to comply with the contents of this document and any provisions of the OHS Act not specifically included in this agreement could result in legal prosecution by the Department of Labour.

20.2 Non-compliance by the Mandatory with any of the requirements as stipulated in this document could result in any or all of the following actions being taken by the NRF/SAIAB:

26.2.1 The Mandatory could be requested to leave the premises and the contract for the project tendered for would become null and void. All costs incurred by NRF/SAIAB such actions would be borne by the Mandatory.

26.2.2 A specific member of contractor staff who breaches this contract could be requested to leave the premises without delay and would not be permitted to enter the premises in future. Any cost incurred would be borne by the Mandatory.

26.2.3 Equipment, which would be deemed as unsafe, would be confiscated and returned upon completion of the specific contract. Any costs incurred would be borne by the Mandatory.

## 21. **CLARIFICATION**

21.1 If any Mandatory requires clarification on any of the terms or provisions of this agreement, it should contact the NRF/SAIAB in writing and address the query to the appropriate contact person.

## 22. **DURATION OF AGREEMENT / CONTRACT**

22.1 The agreement / contract shall remain in force for the duration of the work to be performed by the Mandatory and / or whilst the Employees and / or Sub-Contractors are on the NRF/SAIAB Site.

## 23. **HEADINGS**

23.1 The headings in this Agreement are for reference purposes only. These shall not be construed as having any interpretative value in themselves, nor any indication as to the meaning of the contents of the paragraphs contained in this Agreement.

31. **ACCEPTANCE**

I, \_\_\_\_\_ (Mandatories), by signing this document, hereby warrant that I shall bear all responsibility for adherence of all Legislation and Regulations applicable to the agreed contract work and particularly for the full and proper implementation of the provisions of the Occupational Health and Safety Act, No. 85 of 1993 and all other Regulations without exception.

**Signed**

\_\_\_\_\_  
**Section 16.2 Appointment (OHSA)**

\_\_\_\_\_  
**Date**

And / or

\_\_\_\_\_  
**Appointed Safety / Compliance Officer**

\_\_\_\_\_  
**Date**

And / or

**APPENDICE 01: PRIMARY / SUB-CONTRACTOR COIDA INFORMATION**

Name of Firm: \_\_\_\_\_

Address: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Telephone: \_\_\_\_\_

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

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

**Type of work being performed**

\_\_\_\_\_

\_\_\_\_\_

Commencement date of work: \_\_\_\_\_

Completion date of work: \_\_\_\_\_

**For South African Primary / Sub-Contractors Only**

Is your firm registered with Compensation Commission:      Yes ☐      No ☐

If yes, your membership number: \_\_\_\_\_

Number of Personnel on the premises: \_\_\_\_\_

**Name of competent person on site and his contact number**

\_\_\_\_\_

\_\_\_\_\_  
Signed

\_\_\_\_\_  
Date

**Note: Attach Valid copy of Letter of Good Standing with Compensation Commission**

## **APPENDICE 02: SAFETY FILE / SAFETY PLAN GUIDELINE FOR CONTRACTORS**

### **1. PURPOSE**

The purpose of this document is to outline the requirements for a Safety File to guide contractors on both legal and SAIAB requirements.

### **2. SCOPE**

This shall apply to all contractors scheduled to conduct work at SAIAB which can be defined as construction or listed work in accordance with the relevant legislation.

### **3. DEFINITIONS**

- OHSA – Occupational Health and Safety Act
- GNR – Government Notice Regulations
- Construction Work – Any work in connection with the construction, erection, alteration, renovation, repair, demolition or dismantling of or addition to a building or any similar structure. Any work in connection with the construction, erection, maintenance, demolition or dismantling of any bridge, dam, canal, road, railway, runway, sewer, or water reticulation system, or the moving of earth, clearing of land, the making of excavation, piling, or any similar civil engineering structure or type of work.
- Listed Work – Any work where personnel will be exposed to hazards and hazardous materials or substances and is identified by the Minister as listed work under specific conditions and/or circumstances.
- Competent Person – Any person who has, in respect of the work or task to be performed, the required knowledge, training and experience and where applicable, the qualifications, specific to that work or task.

### **4. RELEVANT LEGISLATION**

The relevant legislation shall include but not limited to:

- The Occupational Health and Safety Act, No. 85 of 1993
- The Construction Regulations GNR 84 of 2014

### **5. REQUIREMENTS**

A Safety File / Safety Plan should contain the following basic information in order to be legally compliant:

1. Mandatory Agreement with client (37.2 Agreement)
2. Letter of Good Standing (Workman's Compensation)
3. Health and Safety Plan
4. Emergency Plan and Procedures
5. Health and Safety Policies
6. PPE Issue Register
7. Toolbox Talks
8. Accident / Incident Investigation
9. Employee Details
10. Medical certificates
11. Proof of Competency (Certificates)

A more detailed breakdown of a Safety File is as follows. The list below serves as a guideline. The Health and Safety File must be specific to the task / job / project being performed:

- **Administrative**
  - Mandatory Agreements
  - Permit to do Construction Work (If applicable)
  - Notification of Construction Work (If Applicable)
  - Client Health and Safety Requirements
  - Letter of Good Standing (Workman's Compensation)

- **Plans**
  - SHE Plan
  - Emergency Plan and Procedures
  - Fall Protection Plan (If working at heights)
- **Policies**
  - OHS Policy
  - Smoking Policy
  - Environmental Policy
- **Risk Assessments**
  - Daily Safety Task Instructions
  - Hand Tool Operations
  - Portable Electric Tools
- **Legal Appointments (Delegation of duties)**
  - Safety Supervisor
  - Hand Tool Inspector
  - Portable Electric Tool Inspector
  - Ladder Inspector
- **Registers and Check sheets**
  - Hand Tool Register
  - Portable electric Tool Register
  - Portable Ladder Register
- **Employee Details**
  - Employee Register
  - I.D. Copies
  - Medical Certificates
  - Proof of Competence
- **Compensation for Occupational Injuries and Diseases (COID)**
  - Incident Register
  - Accident Incident Register
  - W.CI2 Document

## **6. RISK ASSESSMENT TEMPLATE**

See Section 9 for a Risk Assessment Template which can be utilized for the completion of Base Line Risk Assessments. This template only serves as a guideline and the use of any other template is acceptable.

## **7. CONTRACTOR'S AGREEMENT**

- All contractors are required to complete the SAIAB Contractual Obligation form before commencing any work on site.
- This form must be included in the Safety File under "Client Health and Safety Requirements"

## **8. REVIEW PERIOD**

This procedure shall be reviewed every two (2) years or as changes to the relevant legislation take place.



## 9. RISK ASSESSMENT TEMPLATE (Note: this template serves as a guideline)

Company	
Performed by	
Period Performed	
Review	
SEE LAST PAGE FOR RISK RATING AND LEGEND	

Hazards Identified	Specify	Health Effects	Risk Rating					Medical Surveillance	Recommendations
Physical			P	E	C	RR	RC		

Hazards Identified	Specify	Health Effects	Risk Rating					Medical Surveillance	Recommendations
Chemical			P	E	C	RR	RC		

Hazards Identified	Specify	Health Effects	Risk Rating					Medical Surveillance	Recommendations
Psychological			P	E	C	RR	RC		

LEGEND			
ABBREVIATION	DESCRIPTION	ABBREVIATION	DESCRIPTION
HPD	Hearing Protective Devices	RPD	Respiratory Protective Devices
MSDS	Material Safety Data Sheet	SOP	Standard Operating Procedures
OHS	Occupational Hygiene Survey	SWP	Safe Work Procedures
PPE	Personal Protective Equipment	WRULDS	Work Related Upper Limb Disorders

## Safety Risk Assessment Legend

Probability (P)		Exposure (E)		Consequence (C)	
1	unlikely to occur	1	rarely, annually, quarterly	1	Insignificant, no health effect
2	some chance	2	occasionally, monthly	2	first aid only, reversible health effect, minor
3	could occur	3	often, weekly	3	seeking medical help, temporary
4	good chance, probable	4	frequently, daily	4	irreversible health effects, permanent
5	will occur	5	continuously	5	Disabled / Fatality

Total = P + E + C		
RR	Risk Rating	
RC	Risk Classification	
11 – 15	High	Immediate action to be taken
6 – 10	Medium	Corrective action to be taken
3 – 5	Low	Adequate control, requires monitoring

This contract is subject to the Standard Conditions of Tender as published in Annexure F of the CIDB Standard for Uniformity for Construction Procurement, Board Notice 136 Government Gazette No 38960 of 10 July 2015.

The conditions of tender are available on the below link:

<http://www.cidb.org.za/wp-content/uploads/2021/04/Standard-Conditions-of-Tender.pdf>

## **ANNEXURE 7 - ELECTRONIC BID SUBMISSION – GUIDELINE FOR BIDDERS**

This document serves the purpose of providing the bidder with guidelines and prescripts on how to submit their bids to the NRF via e-mail.

**Conditions for electronic submissions:** This section does not apply to soft copies requested on manual submissions. It applies when email submissions are permitted. In circumstances where they are advisable, the business unit needs to ensure that they have appropriate controls and processes in place, such as:<sup>3</sup>

- Valid process of ensuring that bidder's electronic signatures complies with legislation such as The Electronic Communications and Transactions Act, 25 of 2002 (the ECT Act),
- System records exact time and date of submission in a manner that provides appropriate probity to stakeholders such as auditors,
- System to prevent unauthorised access and system to show if infringement,
- System of authorised persons to set / change dates for opening data received,
- System allows simultaneous communication,
- System of record-keeping meets legislative requirements such as The National Archives and Records Service of South Africa Act (Act. No. 43 of 1996, as amended).

### **Prescripts**

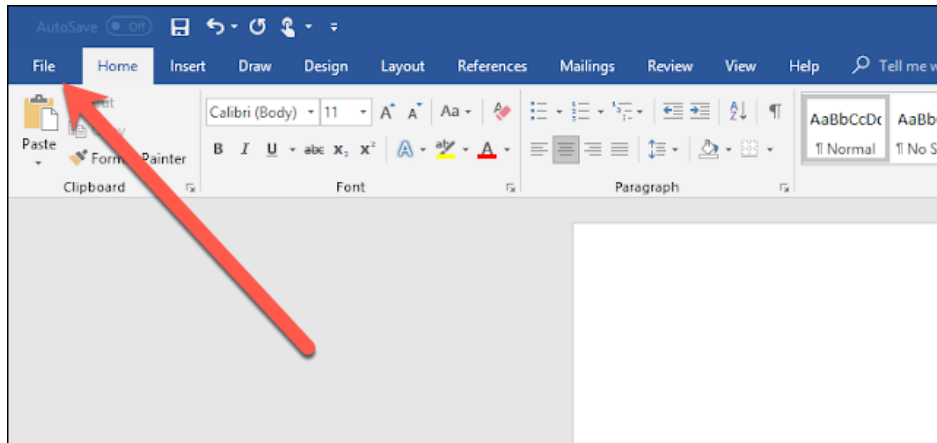
- All files must be submitted in pdf format unless otherwise stated.
- Pricing submission (including any SBDs where bidder's price is quoted) must be password protected and submitted as a separate file.
- **Two envelope system:** All bidders documents must be submitted to the email address specified on the NRF bid document and however the password to the password-protected pricing file must be submitted to a separate email stated in the email specified in the bid document.
- The NRF email size limit is 4MB, bidder must ensure that their submission is no bigger than this limit.
  - Your files must be Zipped to ensure that your submission is in line with the email size limit
- Timeline for submitting password to NRF
  - The password for pricing file must **not** be submitted before the bid closes.
  - The password may be submitted 1 minute after bid closure and no later than 2 days post bid closure. Failure to submit within 2 days may lead to bid being unable to be evaluated thus rendering them unresponsive.
- The subject of your email quote verbatim the bid name in the exact words provided in the NRF bid document.

<sup>3</sup> SANS 10845-1 paragraph 4.7

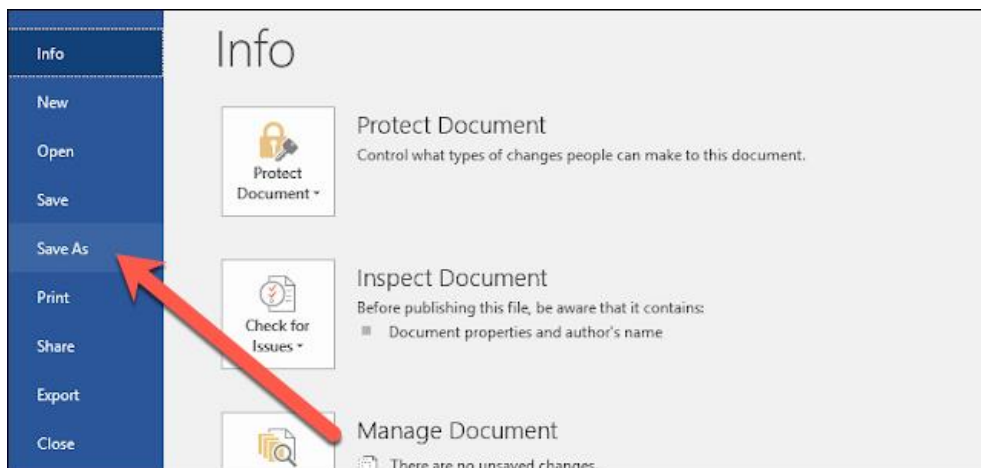
## Guidelines

### Converting to pdf

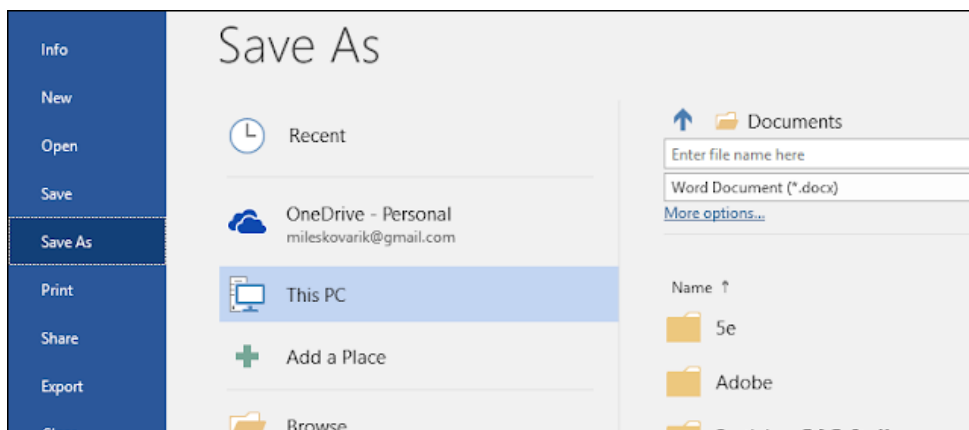
- If you have the desktop version of Microsoft Word, the easiest way to convert your document to PDF is right in Word itself.
- Open the document you want to convert, and then click the “File” tab.



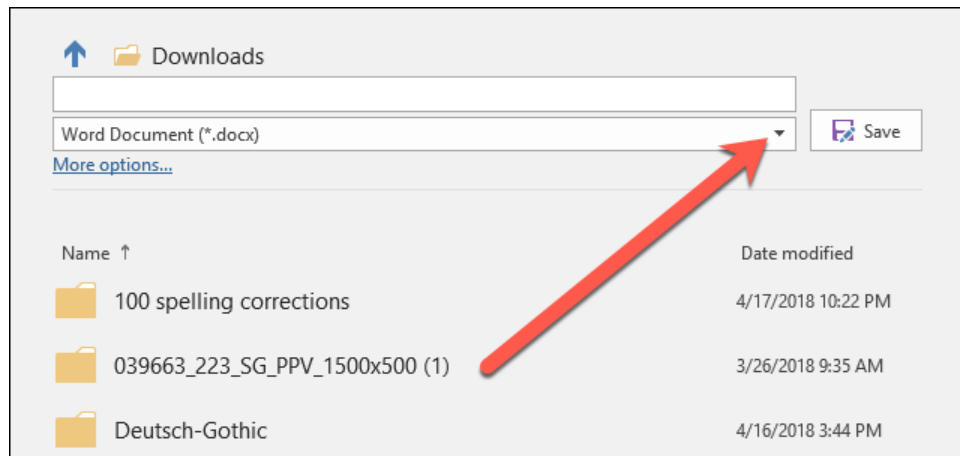
- On the backstage screen, select “Save As” from the list on the left.



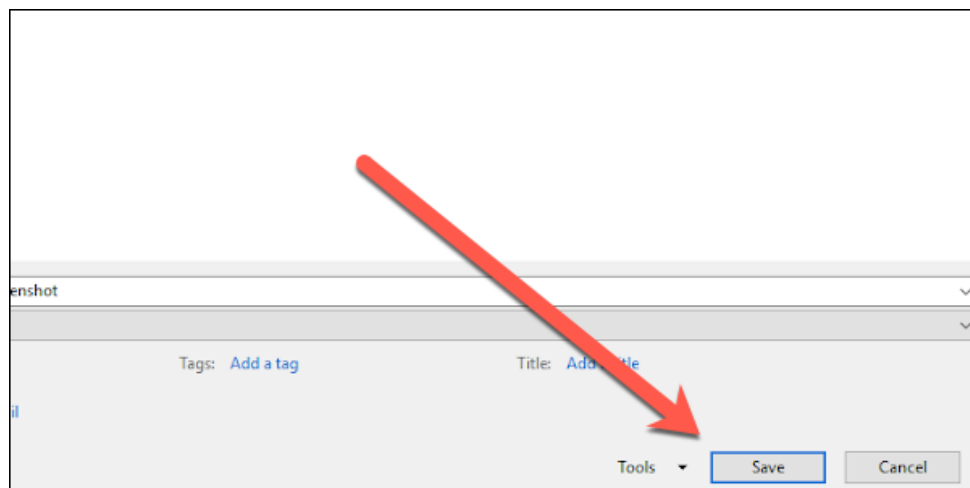
- On the Save As screen, select where you would like the PDF to be saved (OneDrive, This PC, a particular folder, or wherever).



- Next, click the dropdown arrow on the right side of the “Save as type” box, and select “PDF (\*.pdf)” from the dropdown menu.



- If you want to, you can change the filename at this time. When you're ready, click the “Save” button.

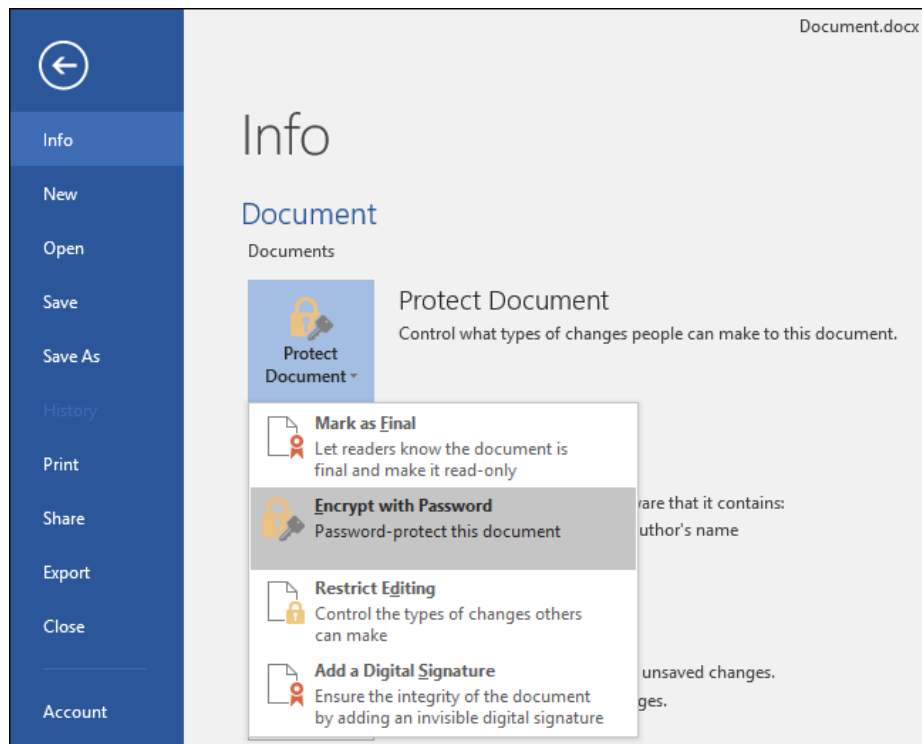


- After saving the PDF, you'll be returned to your Word document, and the new PDF will open automatically in your default PDF viewer.

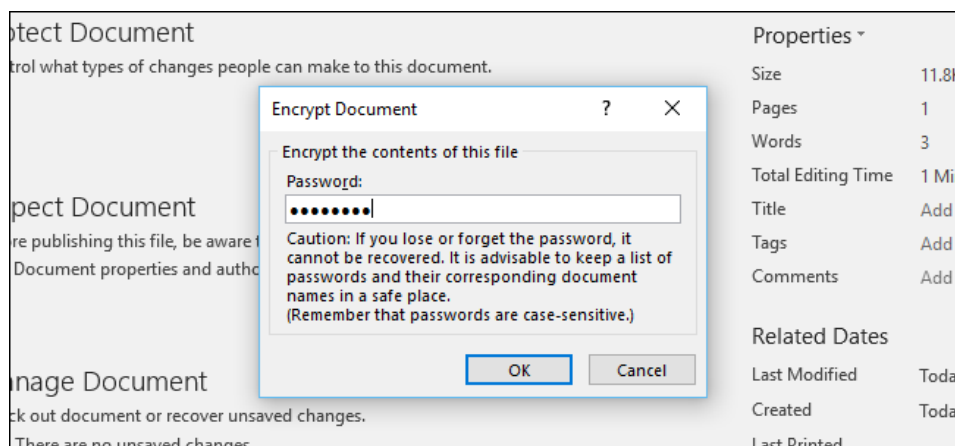
## Password protecting files

- To password protect an Office document, first open it in Word, Excel, PowerPoint, or Access. Click the “File” menu at the top-left corner of the screen. On the Info pane, click the “Protect Document” button and select “Encrypt with Password.”
- The button is only named “Protect Document” in Microsoft Word, but it's named something similar in other apps. Look for “Protect Workbook” in Microsoft Excel and “Protect Presentation” in Microsoft PowerPoint. In Microsoft Access, you'll just see an “Encrypt with Password” button on the Info tab. The steps will otherwise work the same.

- NOTE: If you only want to restrict editing of the document, you can choose “Restrict Editing” here, but as we said, that is not very secure and can easily be bypassed. You’re better off encrypting the entire document, if you can.

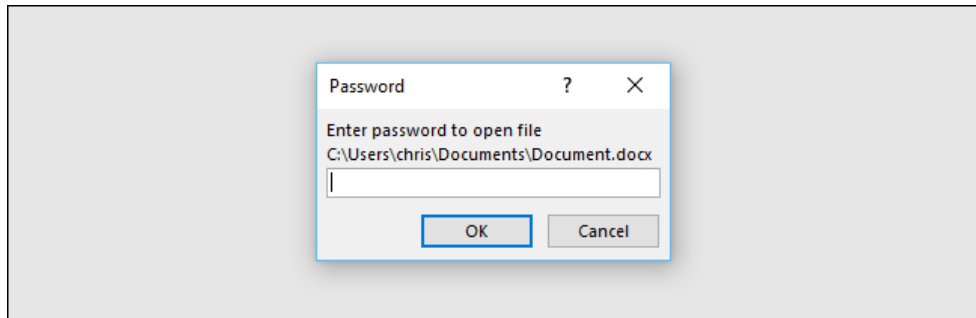


- Enter the password you want to encrypt the document with. You’ll want to choose a good password here. Weak passwords can be easily guessed by cracking software if someone gains access to the document.
- **Warning:** You’ll lose access to the document if you ever forget your password, so keep it safe! Microsoft advises you write down the name of the document and its password and keep it in a safe place.



- When a document is encrypted, you’ll see the “A password is required to open this document” message on the Info screen.

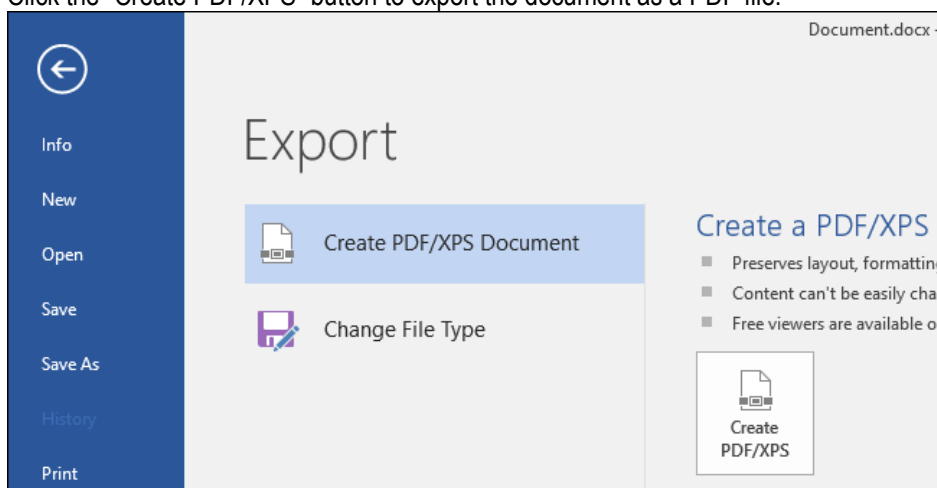
- The next time you open the document, you'll see an "Enter password to open file" box. If you don't enter the correct password, you won't be able to view the document at all.



- To remove the password protection from a document, click the "Protect Document" button and select "Encrypt with Password" again. Enter a blank password and click "OK." Office will remove the password from the document.

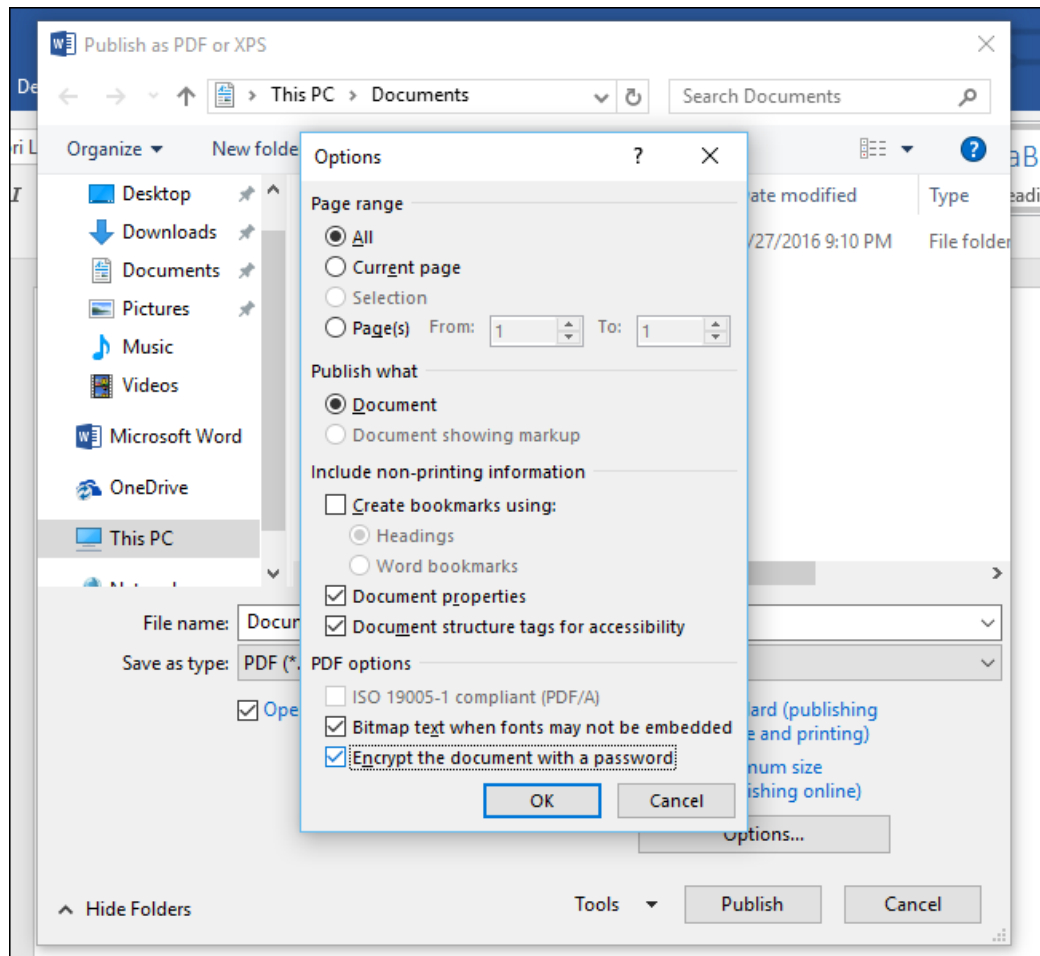
### How to Create a Password Protected PDF File

- You can also export an Office document to a PDF file and password protect that PDF file. The PDF document will be encrypted with the password you provide. This works in Microsoft Word but not Excel, for some reason.
- To do this, open the document in Microsoft Word, click the "File" menu button, and select "Export." Click the "Create PDF/XPS" button to export the document as a PDF file.

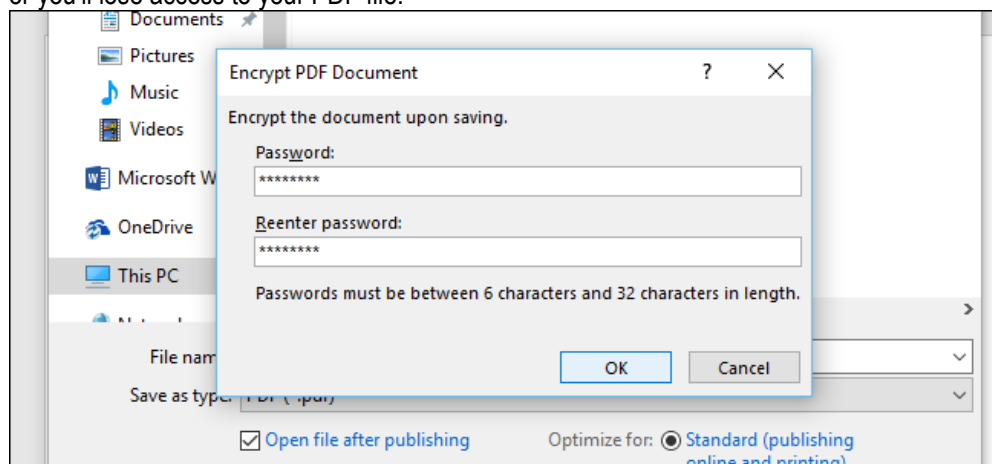


- Click the "Options" button at the bottom of the save dialog window that appears. At the bottom of the options window, enable the "Encrypt the document with a password" option and click "OK."

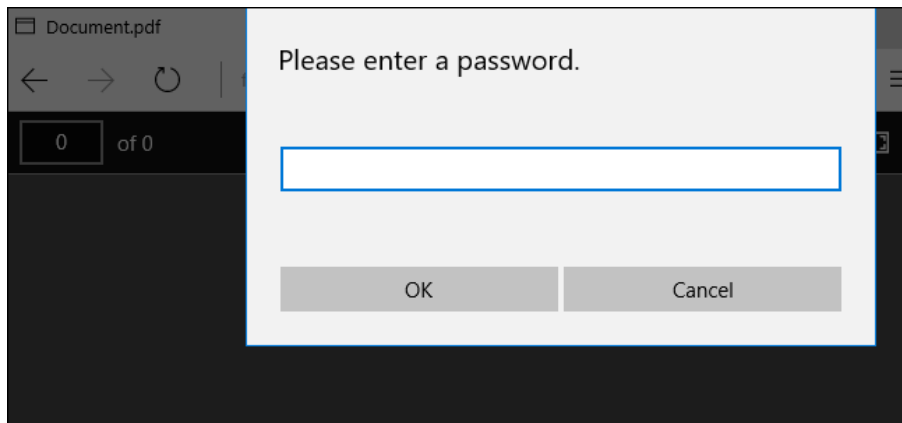




- Enter the password you want to encrypt the PDF file with and then click “OK.”
- When you’re done, enter a name for the PDF file and click the “Publish” button. Office will export the document to a password-protected PDF file.
- **Warning:** You won’t be able to view the PDF file if you forget the password. Be sure to keep track of it or you’ll lose access to your PDF file.



- You’ll have to enter the PDF file’s password when you open it. For example, if you open the PDF file in Microsoft Edge—Windows 10’s default PDF viewer—you’ll be asked to enter the password before you can view it. This also works in other PDF readers.



### **Zipping your files.**

- Put all the files into a new folder
- Right-click on the folder to be sent
- Select "Send To" and then click "Compressed (Zipped) folder"
- The files will start compressing
- After the compression process is complete, attach the compressed file with the extension .zip to your email.

### **Keeping passwords safe.**

We recommend that you store the password either as a note on a hardcopy document which is then filed or stored safely or a softcopy that is saved in the bid response folder once the bid has been submitted or in line with your document management policy.