



**National
Research
Foundation**

INVITATION TO BID

BID DESCRIPTION

Appointment of a Service Provider to (a) supply, deliver and commission a Cavity Ring Down Spectrometer / Off-Axis-Integrated Cavity Output Spectrometer laser-based spectrometer, Vacuum Pumps and Counterflow drying systems

Bidder Name:		
Number:	NRF/SAEON SAPR/72/2022-23	
Closing Date Closing Time:	26 June 2023 11:00 AM	
Compulsory Briefing Session: Virtual session link: Contact Person:	Date: 09 June 2023 Time: 10:00 AM Link: https://meet.google.com/crk-iage-gxr	
Electronic Bid Submission Email Address	Size of the email (document): 20MB (See Annexure A: Electronic Bid Submission – Guideline for Bidders) tenders@saeon.nrf.ac.za The bid reference number must be used as the subject line when submitting. 1 x zip file containing two pdf documents. First containing all returns, contract and portfolio of evidence. Second containing the price off being tendered.	
Bids Naming	Split documents into: 1. Technical Proposal with Bid Reference Number and Bidder Name 2. Pricing Schedule with Bid Reference Number and Bidder Name	
Enquiries are directed in writing to:		
Section	Supply Chain Management	Project Manager
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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 SAEON

The South African Environmental Observation Network (SAEON) is a business unit of the National Research Foundation (NRF). SAEON is a multi-disciplinary organisation which promotes and support research through funding, human resources development and provision of necessary facilities to facilitate the creation of knowledge, innovation, and development in all fields of research, including indigenous knowledge, and thereby to contribute to the improvement of the quality of life of all the people of the republic and Southern Africa. Further information about SAEON can be found on www.saeon.ac.za

BACKGROUND TO SOUTH AFRICAN POLAR RESEARCH INFRASTRUCTURE

SAEON is host to the South African Polar Research Infrastructure (SAPRI) and SAPRI has an objective of enhancing the Marine and Antarctic research by availing the requisite research instruments and facilities to the research community. One of the thematic areas identified as a priority is the analysis of greenhouse gases. It is therefore necessary for a Greenhouse Gas Analyser to be available onboard the SA Agulhas II for monitoring of greenhouse gases in the Antarctic and sub-Antarctic regions.

THE NEED FOR THIS PROCUREMENT WITHIN SAEON

The level of emissions from Marine traffic and other activities in the Southern Ocean and Antarctica is a matter of National importance due to the proximity of the Southern Ocean and South Africa. To assess the changing state of air quality in South Africa, there needs to be an understanding of the air quality of the surrounding environment. The greenhouse gas data records are of vital importance to both the international scientific community, who utilize these in global / regional climate change related research, as well as our national government and research communities, who base their policy decisions on these data sets. It is therefore essential to maintain the integrity of the growing long-term data sets to highest standards possible.

To this extent, the World Meteorological Organization (WMO), and other international networks, such as the Integrated Carbon Observation System (ICOS), have published specific, detailed performance requirements for the measurement of greenhouse gases. Any proposed instrumentation should meet these requirements detailed below adequately. This instrumentation is also the benchmark for greenhouse gas measurements amongst the Global Atmospheric Watch (GAW) network participants.

PART A – BID REQUIREMENTS

THE REQUIREMENTS OF THIS BID

The SAPRI program requires the supply of a Cavity Ring-Down Spectroscopy (CRDS) or Off-axis Integrated Cavity Output Spectrometer (OA-ICOS) instrument that can measure simultaneously Nitrous oxide (N₂O), Methane (CH₄), Carbon dioxide (CO₂), Ammonia (NH₃) and moisture (H₂O) continuously in atmospheric samples to be used on-board the SA Agulhas II Polar Research and Supply Vessel.

EQUIPMENT AND/OR SERVICES REQUIREMENT SPECIFICATIONS

1 Technical Requirements for the supply of:

Item #	Description	Quantity
1	Supply and deliver one (1) Cavity Ring Down Spectrometer / Off-Axis-Integrated Cavity Output Spectrometer laser-based spectrometer including accessories and consumables	1
2	Supply and deliver external vacuum pumps	2
3	Supply and deliver Counter flow sample drying system	5
4	Fully commission the Spectrometer system at the SA Agulhas II situated (moored) at East Pier, V&A Waterfront, Cape Town	1
5	Provide on-site training for five (5) days to three (3) officials, during commissioning, on operating, maintenance and troubleshooting.	5 days
6	Provide the original equipment manufacturer's (OEM) maintenance program through three years from date of commissioning.	3 years
7	Provide as when required ad hoc maintenance services	
8	Provide when required spares to support the system outside of that in the OEM maintenance program	
9	Provide technical assistance and sales support for the duration of the contract.	
10	Provide any upgrades that become available after commissioning for consideration to upgrade the platform	

2 Supply and deliver one (1) Cavity Ring Down Spectrometer / Off-Axis-Integrated Cavity Output Spectrometer laser spectrometer as per the following requirements:

2.1 System specifications:

Guaranteed performance specifications (in dry air)	N₂O	CH₄	CO₂	NH₃
Precision (1min)	< 10 ppb	< 7 ppb	< 300 ppb	< 3 ppb
Guaranteed specifications range	0.3-200 ppm	1.5-12 ppm	380 - 5000 ppm	0 – 300 ppb
Operating range	0 – 400 ppm	0 – 15 ppm	0.02 – 2%	0 – 2 ppm
Measurement interval	< 8 seconds	< 8 seconds	< 8 seconds	< 8 seconds
Measurement technique	Cavity Ring-Down Spectroscopy (CRDS) or Off-axis-Integrated cavity output spectrometer (OA-ICOS)			
Embedded Operating System	Windows 10 or later			
Accessories (must be included in bid price)	1 x wireless Keyboard 1 x wireless Mouse 1 x 24 inch LCD monitor 1 x built in 1TB solid state data storage			

3 Supply and deliver two (2) oil free external pumps, capable of continuous pumping non-corrosive gases down to within 0.0002 atm / 1.5 mbar, such as Vacubrand MD1 vacuum pump (or KNF N 920 AP.29.18G VACUUM PUMP or any equivalent with following specifications.

3.1 Vacuum Pump Specification

Quantity of oil free external pumps	Two (2)
Minimum limit for continuous pumping non-corrosive gases	At least 0.0002 atm / 1.5 mbar)
Max. pumping speed at 50 / 60 Hz	Between 1.0 to 5.0 m ³ /h
Ultimate vacuum (abs.)	<= 1.5 mbar / 1.1 torr
Diaphragm type	PTFE
Max. back pressure (abs.)	<= 1.1 bar
Inlet/Outlet connection	Compatible with item 1

4 Supply five (5) gas sample dryers using selectively permeable membrane technology such as Permapure MD Series Gas Sample Dryers, MD Gas Dryers, Nafion Gas Dryers or equivalent with the following specifications.

4.1 Drying system specifications

Quantity of Gas Sample Dryers	Five (5)
Technology Used	Selectively permeable membrane technology
Sample Flow rate	Up to 2 l/min
Required standard dew point	- 25°C
Tubing size	At least 50x (0.070 inch) Nafion™ Tubes in Parallel.
Construction material	Stainless steel body
Sample gas connector type	¼ inch compression fittings
Drier length	At least 60cm
Shell connector material	Stainless steel

5 Delivery, Commissioning and Training

- 5.1 The bidder must deliver and commission the instruments and accessories onboard the SA Agulhas II which is situated (moored) at East Pier, V&A Waterfront, Cape Town meeting the requirements of GCC8 – Inspections tests and analyses on page 15.
- 5.2 The bidder must comply with all packaging requirements to ensure no damage to the equipment per GCC9 – Packing on page 16
- 5.3 The bidder must provide a delivery note listing all items delivered including accessories and consumables which is verified against delivery and commissioning by both parties.
- 5.4 All documentation inclusive of user manuals, service manuals, spares lists, and recommended OEM maintenance program are included as part of the delivery documentation (see GCC10 – Delivery and Documentation on page 16). Documentation is in hard copy and electronic copy.
- 5.5 The bidder must provide on-site practical training for (five) 5 days on the operating, maintenance and troubleshooting. This training shall be provided for at least three (3) people during commissioning of the instrument.
- 5.6 The cost associated with delivery of all instruments and accessories, commissioning thereof, and training must be included in the bid price delivered to the SA Agulhas II.

6 Maintenance and Service

- 6.1 The bidder must maintain and service the instrument in accordance with the manufacturers' specifications for a period of three (3) years from the date of commissioning of the instrument.
- 6.2 All costs associated with the maintenance and service of the instrument per 6.1 above for the three (3) year period must be included in the bid price – this includes shipping, handling and insurance costs.

- 6.3 The bidder must specify the level and means of technical support whether through Helpdesk / virtual / remote configuration.
- 6.4 Any incidental services required including maintenance work outside of the OEM maintenance program and upgrades as and when required to keep the equipment in optimal operating condition is included and is dealt through the GCC13 – Incidental Services on page 16 through issue of an authorised official purchased order after agreeing on price and service level in advance.
- 6.5 Any spares outside of the OEM maintenance program and when required to keep the equipment in optimal operating condition is included and is dealt through the GCC14 – Spares on page 17 through issue of an authorised official purchased order after agreeing on price and service level in advance.
- 7 Warranty**
- 7.1 All equipment and components are under warranty as set out in GCC15 – Warranty on page 17.
- 7.2 GCC15.2 is amended to read 36 months instead of 12 months and 42 months instead of 18 months as set out in that clause.

BIDDER REQUIREMENTS

Bidders must provide the requisite documents that substantiate their responses to these specifications

- 8 Required Returnable Documents for Technical Evaluation**
- 8.1 Supplier/bidder identification – the bidder must complete in full the SBD1 its particulars including its tax status, Central Supplier Database registration, and agencies it represents.
- 8.2 The bidder warrants its ethical behaviour, clean business practises, no price collusion/fixing practises, and no conflict of interests with the NRF, its business units or any government organisation by completing and signing the SBD4.
- 8.3 A detailed company profile showcasing the bidders experience in the field of metrology.
- 8.4 At least Five (5) contactable references from previous customers on the template provided on page 46.
- 8.5 List of similar projects undertaken previously or presently on the template provided on page 47.
- 8.6 Authorisation letter from the OEM declaring the bidder is authorised to resell / distribute and provide the proposed instruments. Note bidder to provide full disclosure of holding company and subsidiaries as annexure to the SBD1.
- 8.7 Proof of accreditation to supply, commission, training and after-sales support for the instruments
- 8.8 Original Equipment Manufacturer (OEM) data sheet for the spectrometer instrument offered.
- 8.9 Original Equipment Manufacturer (OEM) data sheet for the Vacuum Pump offered.
- 8.10 Original Equipment Manufacturer (OEM) data sheet for the Gas Sample Dryer offered.
- 8.11 An itemised price list of all accessories and consumables that are included with the equipment being delivered
- 8.12 An itemised price list of all accessories and consumables required to utilise the instrument for its operating life span. This is for when there is need on an as required basis to acquire additional spares and is not part of the initial bid price.

- 8.13 Training programme/ schedule for on-site practical training for (five) 5 days on the operating, maintenance and troubleshooting. The bidder to provide all training materials both in hard copy and soft copy.

9 Required Returnable Documents for the Detailed Pricing Schedule

- 9.1 List of all equipment, accessories and consumables in the Detailed Pricing Schedule for each item being supplied.
- 9.2 An itemised price list of all accessories and consumables that are included in the bid price for the equipment being delivered
- 9.3 Training cost for a five-day training programme catering for a minimum of three (3) people on operating, maintenance and troubleshooting the instrument to be conducted on the SA Agulhas II situated (moored) at East Pier, V&A Waterfront, Cape Town.
- 9.4 Annual maintenance schedule with costs for three (3) years:
- 9.4.1 A detailed costed itemised OEM maintenance program/schedule for the first three (3) years listing work, time required, materials, labour cost, and overhead cost totalling the final cost included in the bid price.
- 9.5 Bid price to include shipping, handling, import costs, duties, insurance and delivery to the SA Agulhas II situated (moored) at East Pier, V&A Waterfront, Cape Town. All local costs i.e. handling, import duties to be excluded from the foreign component percentage calculation.
- 9.6 The bidder must submit the signed SBD3.2 price schedule supported by the above price schedules.
- 9.7 The bidder, where applying for preference points, must submit its signed SBD6.1 form.

CONTRACT PERIOD

The contractual period for this bid is **five (5) years** commencing from the date of final signature on the SBD 7 Contract Signing Form including **three (3) complete years** planned maintenance management.

CONTRACT MANAGEMENT

- 1 Specify method of delivery and conditions for determining successful delivery after contract (SBD 7) is signed**
- 1.1 The NRF appoints a contract manager and notifies the other party in writing of the name and contact details of the appointed contract manager.
- 2 Contract Manager**
- 2.1 The bidder appoints a contract manager and notifies the other party in writing of the name and contact details of the appointed contract manager.
- 3 Contract Communication**
- 3.1 The NRF communicates in writing including through email.
- 3.2 The NRF maintains all contract documentation, and communications and correspondence, etc. for

record purposes.

3.3 The NRF allocates the contract number with secondary reference numbers i.e. purchase order numbers for each sub-component or activity or spares and will inform the bidder of these numbers. The NRF will require any communication to contain the contract number.

4 Managing service levels

4.1 The service performance levels are:

Service Level	Performance Standard	Target	Penalties / Consequences or remedies
Delivered goods comply with specifications	Both parties jointly check and confirm specifications are met	Supply and delivery of the correct instrument and accessories to SA Agulhas II at East Pier V&A Waterfront Cape Town.	Cost of Replacement of incorrect items to be borne by the bidder. Where delay causes financial loss to SAEON, this is recovered from the bidder
Timeous delivery (The contract managers will define and agree on delivery times and the agreed delivery date that will be placed on the authorising purchase order)	Delivery of instrument should not exceed 50 working days (10 weeks) from the delivery date set in the placed purchase order.	Initial delivery of the instrument to SA Agulhas II at East Pier V&A Waterfront Cape Town within specified lead time.	Weeks delayed at R1000 (within the control of the Bidder)
Timeous certified calibration service	Turnaround time for instrument service calibration must not exceed 60 working days.	Disconnect instrument, transport to calibration facility, conduct calibration, deliver and re-install the instrument and verify correct operation onboard SA Agulhas II at East Pier V&A Waterfront Cape Town.	Five percent (5%) of invoice value per week of delay. (five working days).

GENERAL AND SPECIAL 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

GENERAL AND SPECIAL CONDITIONS OF CONTRACT

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.

GCC 1 Definitions - The following terms shall be interpreted as indicated:

- 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 market 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

GENERAL AND SPECIAL CONDITIONS OF CONTRACT

- competition.
- 1.14 “GCC” mean 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.
- GCC2 Application
- 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.
- GCC 3 General
- 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.

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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 www.treasury.gov.za

GCC 4 Standards

4.1 The goods supplied shall conform to the standards mentioned in the bidding documents and specifications.

GCC 5 Use of contract documents and information

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.

SCC5A Copyright and Intellectual Property

Intellectual property refers to creation of the mind, such as inventions; literary and artistic works; designs; and symbols, names, images used in commerce; and includes copyright (a legal term describing the rights that creators have over their literary and artistic works including books, music, paintings, sculpture and films, to computer programs, databases, advertisements, maps and technical drawings); trademark (a legal term describing a sign capable of distinguishing the goods or services of one enterprise from those of other enterprises); and patents (a legal terms describing an exclusive right granted for an invention providing the patent owner with the right to decide how - or whether - the invention can be used by others).

Background intellectual property is defined as the intellectual property pertaining to this contract and created and owned by any of the contracted parties to this contract prior to the effective date of this contract.

Contract intellectual property is defined as intellectual property created by the parties to this contract for and in the execution of the contract.

All background intellectual property (existing prior to this contract) vests in and remains the sole property of the contracted parties to this contract. Both parties disclose openly such intellectual property ownership to the parties in writing at the commencement of this contract.

GENERAL AND SPECIAL CONDITIONS OF CONTRACT

The contracted party grants the NRF a fully paid up, irrevocable, and non-exclusive licence to use its background intellectual property for the exploitation of this contract to enable the NRF to obtain the full benefit of the contracted deliverables for this contract.

The parties agree that all right, title, and interest in contract intellectual property created during the execution of this contract invests with the NRF unless where agreed in writing to a different allocation of the ownership of the contract intellectual property with such allocation being an appendix to this contract.

Both parties to this contract shall keep the intellectual property created during this contract confidential and shall fulfil its confidentiality obligations as set out in this document.

The contracted party agrees to assist the NRF in obtaining statutory protection for the contract intellectual property at the expense of the NRF wherever the NRF may choose to obtain such statutory protection.

The contracted party shall procure where necessary the signatures of its personnel for the assignment of its respective contract intellectual property to the NRF or as the NRF may direct, and to support the NRF or its nominee, in the prosecution and enforcement thereof in any country in the world.

The contracted party irrevocably appoints the NRF to be its true and lawful agent in its own name, to do such acts, deeds, and things and to execute deeds, documents, and forms that the NRF, in its discretion, requires in order to give effect to the terms of this clause.

SCC5B Confidentiality

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 its involvement with the NRF and after termination of its involvement with the NRF, the recipient shall not:

- Disclose the confidential information, directly or indirectly, to any person or entity, without the NRF's prior written consent.
- 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
- Copy, reproduce, or otherwise publish confidentiality information except as strictly required for the execution of the contract.

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

- Disclose the confidential information to any third party, or
- Use the confidential information otherwise than as may be strictly necessary for the execution of the contract,
- The recipient shall take all such steps as may be reasonably necessary to prevent the

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confidential information from falling into the hands of any unauthorised third party.

The undertakings set out in this clause shall not apply to confidential information, which the recipient is able to prove:

- Was independently developed by the recipient prior to its involvement with the NRF or in the possession of the recipient prior to its involvement with the NRF;
- Is now or hereafter comes into the public domain other than by breach of this contract by the recipient;
- 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 NRF, or
- Required by law to be disclosed by the recipient, but only to the extent of such order and the recipient shall inform the NRF of such requirement prior to any disclosure.

The recipient shall within one (1) month of receipt of a written request from the NRF to do so, return to the NRF all material embodiments, whether in documentary or electronic form, of the confidential information including but not limited to:

- All written disclosures received from the NRF;
- All written transcripts of confidential information disclosed verbally by the NRF; and
- All material embodiments of the contract intellectual property.

The recipient acknowledges that the confidential information 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.

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.

The recipient acknowledges that the unauthorised disclosure of confidential information may cause harm to the NRF. The recipient agrees that, in the event of a breach or threatened breach of confidentiality, the NRF 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.

SCC5C Copyright and Intellectual Property

The third party hereby gives the NRF 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.

GCC6 Patent rights

6.1 The supplier shall indemnify the purchaser against all third-party claims of infringement of patent,

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- trademark, or industrial design rights arising from use of the goods or any part thereof by the purchaser.
- GCC7** Performance security
- 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.
- SCC** An acceptable financial performance bond is required where an upfront deposit is paid by NRF over an amount of R 1 million (or such lesser amount as specified here) to the same value as any such upfront deposit. No other security is required
- GCC8** Inspections, tests and analyses
- 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

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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.

GCC9 Packing

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.

GCC10 Delivery and Documentation

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.

GCC11 Insurance

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 in the manner specified in the SCC.

SCC The appointed bidder carries insurance of at least 3% of the contract value or R 2 million for public liability, product liability, and professional indemnity, whichever is greater.

GCC12 Transportation

12.1 Should a price other than an all-inclusive delivered price be required, this shall be specified in the SCC.

SCC No special condition applicable, unless specified elsewhere in this document.

GCC13 Incidental services

13.1 The supplier may be required to provide any or all of the following services, including additional services, if any, specified in SCC:

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- 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.
- SCC In the event that this document makes provision for such service elsewhere in this document, it is only valid if confirmed through the issue of a written purchase order that specifies, where applicable, quality, quantity, description, unit price, and delivery date.
- GCC14 Spare parts
- 14.1 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:
- 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
- 14.1.2 In the event of termination of production of the spare parts:
- 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
- 14.1.2.1 Following such termination, furnishing at no cost to the purchaser, the blueprints, drawings, and specifications of the spare parts, if requested.
- SCC In the event that this document specifies provision of spare parts elsewhere, the term "may" in GCC14 is replaced by the term "shall", the supplier provides at commencement of the contract a list of spares, whether in stock or ordered in from the OEM, their lead times for delivery to NRF and their unit prices and at each time, the list is amended, updated, or re-priced. The supplier undertakes to hold and/or make available an adequate supply of spares parts within reasonable periods upon receipt of purchase order issued by the purchaser in terms of the pricing mechanism in GCC17.
- GCC15 Warranty
- 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

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- 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.
- SCC No special condition applicable, unless specified elsewhere in this document.
- GCC16 Payment
- 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 fulfilment 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.
- SCC Payment is made 30 days after receipt of invoice or claim by the purchaser to NRF which period is automatically extended by any delay occasioned by the supplier such as failure to supply a copy of the delivery note, if applicable; and/or failure to provide proof of fulfilment of other obligations stipulated in the contract
- GCC17 Prices
- 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 Special conditions are stated in the SBD 3.2 price section in this document.
- GCC18 Contract amendment
- 18.1 No variation in or modification of the terms of the contract shall be made except by written

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- amendment signed by the parties concerned.
- GCC19 Assignment
- 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.
- GCC20 Subcontract
- 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
- GCC21 Delays in supplier's performance
- 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.
- GCC22 Penalties
- 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

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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.

GCC23 Termination for default

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 If a restriction is imposed, the purchaser must, within five (5) working days of such imposition, furnish the National Treasury, with the following information:

23.6.1 the name and address of the supplier and / or person restricted by the purchaser;

23.6.2 the date of commencement of the restriction

23.6.3 the period of restriction; and

23.6.4 the reasons for the restriction.

These details will be loaded in the National Treasury's central database of suppliers or persons prohibited from doing business with the public sector.

23.7 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

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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.

GCC24 Anti-dumping and countervailing duties and rights

24.1 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

GCC25 Force Majeure

25.1 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.

25.2 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

GCC26 Termination for insolvency

26.1 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.

GCC27 Settlement of disputes

27.1 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.

27.2 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

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- 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.
- 27.3 Should it not be possible to settle a dispute by means of mediation, it may be settled in a South African court of law.
- 27.4 Mediation proceedings shall be conducted in accordance with the rules of procedure specified in the SCC.
- 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.
- GCC28 Limitation of liability
- 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.
- GCC29 Governing language
- 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.
- GCC30 Applicable law
- 30.1 The contract shall be interpreted in accordance with South African laws, unless otherwise specified in SCC.
- GCC31 Notices
- 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
- GCC32 Taxes and duties
- 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

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- 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
- GCC33 National Industrial Participation Programme
- 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.
- GCC34 Prohibition of restrictive practices
- 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.

EVALUATION CRITERIA FOR THE BID

GOVERNANCE					
Document description	Reference to bidder's document	Weight	Criteria (All criteria are weighted equally to each other)	Grading Scheme	Bid Section Reference
Confirmation of attendance of compulsory briefing		Mandatory	Briefing session virtual meeting screen capture of attendees	GO/NO GO	Page 1
Signed SBD 4 – No conflict of interests, disbarment, and price collusion		Mandatory	Bidder's disclosure reflect no conflicts, disbarment and independent price determination	GO/NO GO	Pages 7 and 38 to 41
Signed SBD 6.1 Preference points		Optional	The bidder claims preference points in		Pages 7 and 41 to

claimed			accordance with the specific goals stated in the SBD 6.1		46
Signed SBD 3.2 and detailed price support annexures		Mandatory	Did the bidder submit its pricing schedules in a separate envelope?	GO/NO GO	Pages 8 and 29 to 33
Signed SBD 1 – Bidder's details and tax compliance		Mandatory	Bidder's detail's and tax status agrees with that on the Central Supplier Database	GO/NO GO	Pages 7, 48 and 36 to 38
BIDDER CAPABILITY					
Document description	Reference to bidder's document	Weight	Criteria (All criteria are weighted equally to each other)	Grading Scheme	Bid Section Reference
Detailed company profile demonstrating at least five (5) years' experience in the metrology field.		Mandatory	Profile demonstrating at least five (5) years' experience in the metrology field.	GO/NO GO	Page 7
List of similar projects undertaken previously/ presently		Mandatory	Projects demonstrate experience in delivering this type of work	GO/NO GO	Page 51 to 48
Letter from OEM confirming that bidder is Accredited		Mandatory	OEM confirmation that bidder is accredited to supply, commission, maintain and provide after-sales technical support on the proposed instruments.	GO/NO GO	Page 7
Itemised price list of all included accessories and consumables		Mandatory	The included accessories and consumables is sufficient for the instrument to be operational.	GO/NO GO	Page 8
Itemised price list of all accessories and consumables required to utilise the instrument for three (3) years.		Mandatory	The price list of all accessories and consumables required to utilise the instrument for three (3) years is provided.	GO/NO GO	Page 8

There are at least five (5) references (in the template provided) of clients for whom the bidder supplied similar goods		Mandatory	The references meet the requirements set	GO/NO GO	Page 7 and 46 to 47
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Supply of one (1) CRDS/OA-ICOS laser spectrometer

Document description	Reference to bidder's document	Weight	Criteria (All criteria are weighted equally to each other)	Grading Scheme	Bid Section Reference	
Spectrometer Technical Data Sheet		Mandatory	High-precision atmospheric concentrations of N ₂ O / NH ₃ / CO ₂ / CH ₄ / H ₂ O	GO/NO GO	Page 5 to 5	
Spectrometer Technical Data Sheet		Mandatory	Parts-Per-Billion (ppb) Precision measurement range	GO/NO GO	Page 5 to 5	
Spectrometer Technical Data Sheet		Mandatory	Guaranteed specifications (in dry air)	N ₂ O	GO/NO GO	Page 5 to 5
			Precision (1min)	< 10 ppb		
			Guaranteed specifications range	0.3-200 ppm		
			Operating range	0 – 400 ppm		
			Measurement interval	< 8 seconds		
Spectrometer Technical Data Sheet		Mandatory	Guaranteed specifications (in dry air)	CH ₄	GO/NO GO	Page 5 to 5
			Precision (1min)	< 7 ppb		
			Guaranteed specifications range	1.5-12 ppm		
			Operating range	0 – 15 ppm		
			Measurement interval	< 8 seconds		
Spectrometer Technical Data Sheet		Mandatory	Guaranteed specifications (in dry air)	CO ₂	GO/NO GO	Page 5 to 5
			Precision (1min)	< 300 ppb		
			Guaranteed specifications range	380 - 5000 ppm		
			Operating range	0.02 – 2%		

			Measurement interval	< 8 seconds		
Spectrometer Technical Data Sheet		Mandatory	Guaranteed specifications (in dry air)	NH ₃	GO/NO GO	Page
			Precision (1min)	< 3 ppb		
			Guaranteed specifications range	0 – 300 ppb		
			Operating range	0 – 2 ppm		
			Measurement interval	< 8 seconds		
Spectrometer Technical Data Sheet		Mandatory	Measurement technique Cavity Ring-Down Spectroscopy (CRDS) or Off-axis-Integrated cavity output spectrometer (OA-ICOS)		GO/NO GO	Page 5 to 5
Datasheet of Included Accessories		Mandatory	1 x wireless Keyboard 1 x wireless Mouse, 1 x 24-inch (or larger) LCD HD monitor		GO/NO GO	Page 5 to 5

Supply two (2) oil free external pumps (Vacubrand MD1 vacuum pump or KNF N 920 AP.29.18G VACUUM PUMP or equivalent), with the following specifications.

Document description	Reference to bidder's document	Weight	Criteria (All criteria are weighted equally to each other)	Grading Scheme	Bid Section Reference
Technical Data Sheet of Vacuum Pumps		Mandatory	Two (2) oil free Vacuum Pumps to be supplied	GO/NO GO	Page 5 to 6
Technical Data Sheet of Vacuum Pumps		Mandatory	Minimum limit for continuous pumping non-corrosive gases At least 0.0002 atm / 1.5mbar)	GO/NO GO	Page 5 to 6
Technical Data Sheet of Vacuum Pumps		Mandatory	Max. pumping speed at 50 / 60 Hz Between 1.0 to 5.0 m ³ /h	GO/NO GO	Page 5 to 6
Technical Data Sheet of Vacuum Pumps		Mandatory	Ultimate vacuum (abs.) Maximum 1.5 mbar / 1.1 torr	GO/NO GO	Page 5 to 6
Technical Data		Mandatory	Diaphragm type PTFE	GO/NO	Page 5 to

Sheet of Vacuum Pumps				GO	6
Technical Data Sheet of Vacuum Pumps		Mandatory	Max. back pressure (abs.) at least 1.1 bar	GO/NO GO	Page 5 to 6
Technical Data Sheet of Vacuum Pumps		Mandatory	Inlet/Outlet connection Compatible with the spectrometer offered	GO/NO GO	Page 5 to 6
Supply five (5) Gas sample dryers (Permapure MD Series Gas Sample Dryers, MD Gas Dryers, Nafion Gas Dryers (permapure.com) or equivalent type)					
Document description	Reference to bidder's document	Weight	Criteria (All criteria are weighted equally to each other)	Grading Scheme	Bid Section Reference
Technical Data Sheet of Gas Sample Dryer		Mandatory	Technology Used: Selectively permeable membrane technology	GO/NO GO	Page 6 to 6
Technical Data Sheet of Gas Sample Dryer		Mandatory	Sample Flow rate Up to 2 l/min	GO/NO GO	Page 6 to 6
Technical Data Sheet of Gas Sample Dryer		Mandatory	Required standard dew point - 25 degrees C	GO/NO GO	Page 6 to 6
Technical Data Sheet of Gas Sample Dryer		Mandatory	Tubing size at least 50x Nafion™ Tubes (0.070inch) in Parallel	GO/NO GO	Page 6 to 6
Technical Data Sheet of Gas Sample Dryer		Mandatory	Construction material Stainless steel body	GO/NO GO	Page 6 to 6
Technical Data Sheet of Gas Sample Dryer		Mandatory	Sample gas connector type ¼ inch compression fittings	GO/NO GO	Page 6 to 6
Technical Data Sheet of Gas Sample Dryer		Mandatory	Drier length at least 30cm	GO/NO GO	Page 6 to 6
Technical Data Sheet of Gas Sample Dryer		Mandatory	Shell connector material Stainless steel	GO/NO GO	Page 6 to 6

Delivery, Commissioning, Training and After Sales Support					
Document description	Reference to bidder's document	Weight	Criteria (All criteria are weighted equally to each other)	Grading Scheme	Bid Section Reference
Delivery specification details all processes to deliver all items to the SA Agulhas II, Cape Town		Mandatory	The delivery specification demonstrates delivery will occur on time	GO/NO GO	Page 6 to 6
Commissioning methodology, process, and verification steps		Mandatory	The commissioning process meets the requirements of Commissioning of the system on-board the SA Agulhas II, Cape Town	GO/NO GO	Page 6 to 6
Training Schedule detail and material		Mandatory	The training schedule demonstrates agenda and material covering operating, maintenance and troubleshooting for five (5) days on-site during commissioning. for three (3) officials –	GO/NO GO	Page 6 to 6
OEM Three (3) year Maintenance program as specified in this document		Mandatory	The maintenance and after-sales service of the instrument in accordance with the manufacturers' specifications for a period of 3 (three) years from the date of commissioning.	GO/NO GO	Page 6 to 7
Technical support and method of delivery		Mandatory	The document demonstrates the provision for technical support through options including Helpdesk / remote configuration /upgrades as required.	GO/NO GO	Page 6 to 7

BIDDER IS ABLE TO DELIVER THE SPECIFICATION?	YES - PASS TO PRICING	NO - DISQUALIFIED
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PART B – PRICING

SBD 3.2: PRICING DETAIL

Pricing Special Conditions

1	<p>Price Adjustments: In terms of <u>General Conditions of Contract clause 17</u>, the following price special conditions set out below apply to this contract.</p> <p>Price adjustments and their corresponding rules are for the management of price risks on the basis of the NRF and the contracted bidder sharing the risk equally amongst the parties.</p>
2a	<p>Quantities ordered as and when required: The NRF, as and when needed during the contract period, orders necessary quantities under the contract. The NRF does not provide guarantees or commitments that it will order this entire amount during the contract's life. The NRF, through the signed contract, guarantees its procurement of the specified goods and/or services will only be from the contracted party.</p>
2b	<p>Placement of written purchase orders: The NRF manages the execution of the contract through the issue of written purchase orders – stipulating quantity, description, delivery date, and the fixed unit price - for the contracted supplies. The NRF, when issuing the written purchase order, guarantees that the funding is available for payment upon verified delivery performance.</p>
2c	<p>Contract Price: The contract price includes both the firm quantities as stated on the SBD 3.2 of this document and the potential future quantities that may be requires as and when needed. As the NRF orders quantities as and when required, the NRF pays only for the verified delivered quantity per each purchase order at the prices set out in this contract. The cumulative value of each of these invoices at the expiry of the contract is the actual total contract price.</p>
3a	<p>Prices subject to Rate of Exchange Variations: Please state on the SBD 3.2 the portion of the unit price that is remitted abroad in foreign currency and is subject to rate of exchange.</p> <p>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 supporting the declared % portion on the SBD 3.2.</p> <p>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: (proof from bank required) against the exchange rates used in the financial offer tendered.</p>
3b	<p>Prices subject to Variation: In cases of incidental services, ad hoc spares procurement, unplanned maintenance activity and others, the prices on the priced schedules will apply. Where price adjustments may be necessary in the outer years, the bidder must provide substantiated grounds for the price revision for negotiation between the contract managers, Only agreed prices will reflect on the issued purchase orders.</p>
3c	<p>Price Adjustments: Price adjustments will only be considered when applied for in terms of the following formula:</p>

SBD 3.2: PRICING DETAIL

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

Where: Pa = The new varied price being applied for.

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.

(1-V)Pt = 85% of the original bid price. Note that Pt must always be the original bid price and not an escalated price.

D1, D2, = Each factor of the bid price i.e. labour, materials, overhead, and delivery. The total of the various factors D1, D2...etc. must add up to 100%.

R1t, R2t... = Index figure obtained from new index as agreed.

R1o, R2o = Index figure at time of bidding.

4	<p>Total Bid Financial Offer Tendered: The financial offer at the end of the SBD 3.2 is fully inclusive of all costs including delivery to the specified NRF price delivery point and includes value-added tax (at the applicable rates as legislated), income tax, unemployment insurance fund contributions, and skills development levies in terms of General Conditions of contract clauses 12, 32.1 and 32.2.</p> <p>The price competition utilised the “Total Bid Financial Offer Tendered” as the price that competes with other financial offers in the formula set out in the PPPFA 2022 Regulations..</p>
5	<p><u>Price quoted</u> is South African Rands in terms of General Conditions of contract clause 16.4</p>
6	<p>Delivery points are:</p> <p>SA Agulhas II, East Pier, V&A Waterfront, Cape Town</p>
7	<p><u>Detail Pricing Support:</u> Detailed information is required as stated in this document to support each line of the SBD 3.2 as annexures to that document.</p>
8	<p><u>Application of Preference Points:</u> Pricing is subject to the addition of Preference Points as stipulated in the PPPFA and its 2022 Regulations and claimed on the submitted Standard Bidding Document 6.1 claim form.</p>

SBD 3.2 PRICING SCHEDULE

DESCRIPTION	QTY	UNIT OF MEASURE	UNIT PRICE	FOREIGN PAYMENT PORTION %	TOTAL PRICE (Includes VAT of 15%)
Year 1 Pricing					
Supply and deliver one (1) Cavity Ring Down Spectrometer / Off-Axis-Integrated Cavity Output Spectrometer laser-based spectrometer including accessories and consumables	1	Each			
Supply and deliver external vacuum pumps	2	Each			
Supply and deliver Counter flow sample drying system	5	Each			
Fully commission the Spectrometer system at the SA Agulhas II situated (moored) at East Pier, V&A Waterfront, Cape Town	1	Each			
Provide on-site training for five (5) days to three (3) officials, during commissioning, on operating, maintenance and troubleshooting.	5	Days			
Provide maintenance and after sales support, throughout the year in accordance with a scheduled maintenance program, from date of commissioning.					
Materials / consumables	1	Annual Maintenance kit			

DESCRIPTION	QTY	UNIT OF MEASURE	UNIT PRICE	FOREIGN PAYMENT PORTION %	TOTAL PRICE (Includes VAT of 15%)
Labour Costs	1	Annual Maintenance team			
Overhead including shipping, handling and insurance costs	1	Annual Maintenance Overhead			
Subtotal for Year 1					R
Year 2 Pricing:					
Provide maintenance and after sales support, throughout the year in accordance with a scheduled maintenance program, from the first anniversary date of commissioning.					
Materials / consumables	1	Annual Maintenance kit			
Labour Costs	1	Annual Maintenance team			
Overhead including shipping, handling and insurance costs	1	Annual Maintenance Overhead			
Subtotal for Year 2					R
Year 3 Pricing:					
Provide maintenance and after sales support, throughout the year in accordance with a scheduled maintenance program, from the second anniversary date of commissioning.					
Materials / consumables	1	Annual Maintenance kit			
Labour Costs	1	Annual Maintenance team			
Overhead including shipping, handling and insurance costs	1	Annual Maintenance Overhead			
Subtotal for Year 3					R
TOTAL BID FINANCIAL OFFER TENDERED INCLUDING 15% VAT (where applicable)					R

PART C - RETURNS

THE BID PREPARATION

Clarification

If the respondent wishes to clarify aspects of this request or the acquisition process, they write to the contact officials listed under the enquiries section above. The NRF distributes the response to a clarification request to all respondents that have communicated their intention to bid (i.e. briefing session attendance register) within 2 working days of receipt of the query. The NRF does not provide the origin of the request to any party.

Response preparation costs

The NRF is not liable for any costs incurred by a bidder in the process of responding to this invitation, including on-site presentations.

Counter proposals

No counter proposals are accepted.

Two envelope system

The NRF, in the interests of transparent procurement, utilises the two-envelope system to minimise any form of price bias in the technical selection phase. All responses must be submitted in two sealed envelopes/boxes; the first envelop/box shall have the technical, compliance and B-BBEE response and the second envelop/box shall only have the financial response. Bidders must ensure that they do not indicate any financial information in the first envelop/box.

Bidders are required to package their response/Bid as follows:

- Envelope 1: Bid Forms, Compliance Response, and Technical Response
- Envelope 2: Financial quote tendered

Central Supplier Database registration

The NRF is legislatively only allowed to contract with third parties registered on the National Treasury's Central Supplier Database. Third parties include their Master Registration Number (Supplier Number) for evaluation purposes. The NRF utilises the third parties' Master Registration Number conduct due diligence through the Central Supplier Database as part of the due diligence pre-award process inclusive of tax compliance verification.

Collusion, fraud and corruption

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.

Fronting

The NRF supports the Government's broad based black economic empowerment recognising that real empowerment is through individuals and businesses conducting themselves in accordance with the Constitution and in an honest, fair, equitable, transparent, and legally compliant manner. Against this background, the NRF condemns any form of fronting. The NRF's evaluation committees conduct or initiate the enquiries/investigations to determine the accuracy of the third parties representations. The third parties have the onus of proving that fronting does not exist. Where the NRF identifies a potential breach may exist, the NRF notifies the third parties of the allegation. The third parties have a period of 7 days from date of notification to provide evidence that such potential breach does not exist. The NRF, upon confirmation of fronting, will invalidate the contract, apply for the third parties to be restricted from conducting business with the public sector for a period not exceeding 10 years, and exercise any other remedies the NRF may have

against the concerned third party.

Disclaimers

The NRF 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. The NRF has no liability towards the responding third parties in connection therewith.

General definitions

“B-BBEE” means broad-based black economic empowerment as defined in section 1 of the Broad-Based Black Economic Empowerment Act;

“B-BBEE status level of contributor” 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;

“Bid” 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.

“Broad-Based Black Economic Empowerment Act” means the Broad-Based Black Economic Empowerment Act, 2003 (Act No. 53 of 2003);

“Contract” 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 (SBD 7) which has been signed by the awarded bidder and the National Research Foundation;

“Functionality” means the ability of a bidder to provide goods and/or services in accordance with specifications as set out in these bid documents;

“Proof of B-BBEE status level of contributor” means:

B-BBEE Status level certificate issued by an authorized body or person;

A sworn affidavit as prescribed by the B-BBEE Codes of Good Practice;

Any other requirement prescribed in terms of the B-BBEE Act.

“Equipment” means the operational unit including spares, replacement components, consumables, sub-systems, firmware, and software that delivers the specified output.

“NRF” means the National Research Foundation and it is used interchangeable with its business units managing the contract being South African Environmental Observation Network (SAEON)

THE BIDDER SELECTION PROCESS

Stage 1 – Verification of the ability of a bidder to provide the services in accordance with specifications and conditions as set out in the bid documents.

Responsive to submission requirements

A Bid that meets all the submission requirements in the bid document is a responsive bid that proceeds to the next stage. The NRF's evaluation committee will disqualify non-responsive submissions.

Meeting technical specifications

The NRF's evaluation committee will verify responsive submissions to the NRF's minimum technical specifications set out in this document. The NRF's evaluation committee will disqualify non-responsive submissions.

Due Diligence Research

NRF will conduct due diligence on a bidder by contacting the references submitted to verify the bidder's capability to provide the goods/services required.

Stage 2 – Price competition in accordance with the PPPFA

The NRF's evaluation committee assesses qualifying bidders on their pricing and specific goals as set out in the SBD6.1 form. The NRF's evaluation committee compares each bidder's pricing quote on an equal and fair comparison basis equitable to all bidders, taking into account all aspects of the bid's pricing requirements. The NRF's evaluation committee ranks the qualifying bids on points scored on the basis of both Price and Preference points in accordance with the PPPFA and its 2022 Regulations.

Stage 3 – Award and Contract Signing

The bid evaluation committee recommends to the Bid Adjudication Committee for subsequent approval by the Delegated Authority the bidder with the highest combined score for the contract award subject to the final verification of the bidder's tax status as set out in the SBD 1 through the CSD.

Cancellation of the bid prior to award

The NRF cancels this bid invitation prior to making an award:

- a) Due to changed circumstances there is no need for the specified procurement in the document, or
- b) No bids meet the minimum required specification, or a material irregularity occurred in the bid process, or
- c) Where the price is too low/high in comparison to the pre-bid defined market price range with no bidder prepared to negotiate the price into the determined market price range.

INVITATION TO BID (SBD 1)	
Bid number	NRF/SAEON SAPR/72/2022-23
Closing date and time	26 June 2023
The NRF recognises the date and time as recorded on its systems for closure purposes.	
SUMMARY OF BID REQUIREMENTS	
Appointment of a Service Provider to (a) supply, deliver and commission a Cavity Ring Down Spectrometer / Off-Axis-Integrated Cavity Output Spectrometer laser-based spectrometer, Vacuum Pumps and Counterflow drying systems	
Number of original bid documents for contract signing	2
Two envelope system	Yes
Bid validity period from date of closure	One hundred and twenty (120) days

SUPPLIER INFORMATION			
Name of Bidder			
Postal Address			
Street Address			
Telephone Number			
Code		Number	
Cell Phone Number			
Code		Number	
Facsimile Number			
Code		Number	
E-Mail Address			

SUPPLIER INFORMATION

VAT Registration Number

--

Tax Compliance Status	Tax Compliance System PIN		OR	Central Supplier Database No.	MAAA
------------------------------	---------------------------	--	-----------	-------------------------------	------

B-BBEE Status Level Verification Certificate	Tick Applicable Box. <input type="checkbox"/> Yes <input type="checkbox"/> No	B-BBEE Status Level Sworn Affidavit	Tick Applicable Box. <input type="checkbox"/> Yes <input type="checkbox"/> No
---	--	--	--

[A B-BBEE status level verification certificate/sworn affidavit (for EMEs & QSEs) must be submitted in order to qualify for preference points for B-BBEE – also refer to the SBD 6.1]

Are you the accredited representative in South Africa for the goods/services/works offered?	<input type="checkbox"/> Yes <input type="checkbox"/> No [If yes enclose proof]	Are you a foreign-based supplier for the goods/services/works offered?	<input type="checkbox"/> Yes <input type="checkbox"/> No [If yes, answer the questionnaire below]
--	--	---	---

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).

BID SUBMISSION

- | | |
|----|--|
| 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, the General Conditions of Contract (GCC), and special conditions of contract pertaining to this bid, the Preferential Procurement Policy Framework Act, 2000 and the Preferential Procurement Regulations, 2022, 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. |

SUPPLIER INFORMATION

TAX COMPLIANCE REQUIREMENTS

1.	Bidder 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 www.sars.gov.za .
4.	Bidders may also submit a printed TCS certificate together with the bid, available via e-filing through the SARS website www.sars.gov.za .
5.	In bids where consortia/ joint ventures/ sub-contractors are involved, each party must submit a separate TCS certificate/PIN/CSD number.

MANDATORY EXCLUSION

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 interest¹ 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

¹ 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.

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

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 consortium² 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.
- 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

² 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.

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 To be completed by the organ of state

a) 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 To be completed by the organ of state:

The maximum points for this tender are allocated as follows:

	POINTS
PRICE	80
B-BBEE	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:

$$\begin{array}{ccc} \mathbf{80/20} & \mathbf{or} & \mathbf{90/10} \\ \\ \mathbf{Ps} = \mathbf{80} \left(\mathbf{1} - \frac{\mathbf{Pt} - \mathbf{Pmin}}{\mathbf{Pmin}} \right) & \mathbf{or} & \mathbf{Ps} = \mathbf{90} \left(\mathbf{1} - \frac{\mathbf{Pt} - \mathbf{Pmin}}{\mathbf{Pmin}} \right) \end{array}$$

Where

Ps = Points scored for price of tender under consideration

Pt = Price of tender under consideration

Pmin = Price of lowest acceptable tender

3.2. FORMULAE FOR DISPOSAL OR LEASING OF STATE ASSETS AND INCOME GENERATING PROCUREMENT

3.2.1. POINTS AWARDED FOR PRICE

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

$$\begin{array}{ccc} \mathbf{80/20} & \mathbf{or} & \mathbf{90/10} \\ \\ \mathbf{Ps} = \mathbf{80} \left(\mathbf{1} + \frac{\mathbf{Pt} - \mathbf{Pmax}}{\mathbf{Pmax}} \right) & \mathbf{or} & \mathbf{Ps} = \mathbf{90} \left(\mathbf{1} + \frac{\mathbf{Pt} - \mathbf{Pmax}}{\mathbf{Pmax}} \right) \end{array}$$

Where

Ps = Points scored for price of tender under consideration

Pt = Price of tender under consideration

Pmax = Price of highest acceptable tender

4. POINTS AWARDED FOR SPECIFIC GOALS

4.1. In terms of Regulation 4(2); 5(2); 6(2) and 7(2) of the Preferential Procurement Regulations, preference points must be awarded for specific goals stated in the tender. For the purposes of this tender the tenderer will be allocated points based on the goals stated in table 1 below as may be supported by proof/ documentation stated in the conditions of this tender:

4.2. In cases where organs of state intend to use Regulation 3(2) of the Regulations, which states that, if it is unclear whether the 80/20 or 90/10 preference point system applies, an organ of state must, in the tender documents, stipulate in the case of—

- (a) an invitation for tender for income-generating contracts, that either the 80/20 or 90/10 preference point system will apply and that the highest acceptable tender will be used to determine the applicable preference point system; or
- (b) any other invitation for tender, that either the 80/20 or 90/10 preference point system will apply and that the lowest acceptable tender will be used to determine the applicable preference point system,

then the organ of state must indicate the points allocated for specific goals for both the 90/10 and 80/20 preference point system.

Table 1: Specific goals for the tender and points claimed are indicated per the table below.

(Note to organs of state: Where either the 90/10 or 80/20 preference point system is applicable, corresponding points must also be indicated as such.

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

The preference points allocated in terms of this tender will be in accordance with the B-BBEE LEVEL of the Bidder	Number of points allocated (80/20 system)	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	0	

DECLARATION WITH REGARD TO COMPANY/FIRM

4.3. Name of company/firm

4.4. Company registration number:

4.5. TYPE OF COMPANY/ FIRM

- Partnership/Joint Venture / Consortium
- One-person business/sole propriety
- Close corporation
- Public Company
- Personal Liability Company
- (Pty) Limited
- Non-Profit Company
- State Owned Company

[TICK APPLICABLE BOX]

4.6. 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.

.....	
SIGNATURE(S) OF TENDERER(S)	
SURNAME AND NAME:
DATE:
ADDRESS:

REFERENCE LETTER FORMAT FOR BIDDER

Referee Legal Name:			
Company:			
Bid Number:	NRF/SAEON BID NO. _____		
Bid Description: Appointment of a Service Provider to supply, deliver and commission a Cavity Ring Down Spectrometer / Off-Axis-Integrated Cavity Output Spectrometer laser-based spectrometer, Vacuum Pumps and Counterflow drying systems.			
Describe the service/work the above bidder provided to you below			
Criteria/Risks	Below requirements	Meets requirements	Exceeds requirements
Technical Strength – Does the contractor use the latest equipment and methods?			
Customer centricity			
Disputes resolution			
Satisfaction with quality of consumable used			
Satisfaction with the work done			
Reliability			
Service delivery scheduling and implementation			
Response to assistance requests			
Updating of equipment			
Overall Impression	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:			
Date:			

BID SIGNATURE (SBD 1)

I hereby undertake to supply all or any of the goods, works, and services described in this procurement invitation to the NRF in accordance with the requirements and specifications stipulated in this Bid Invitation document at the price/s quoted. I confirm that I have satisfied myself as to the correctness and validity of my offer/bid in response to this Invitation, cover all my obligations and I accept that any mistakes regarding price(s) and rate(s) and calculations will be at my own risk. My offer remains binding upon me and open for acceptance by the NRF during the validity period indicated and calculated from the closing time of Bid Invitation. I accept full responsibility for the proper execution and fulfilment of all obligations and conditions devolving on me in terms of this Bid Invitation as the principal liable for the due fulfilment of the subsequent contract if awarded to me.

I declare that during the bidding period did not have access to any NRF proprietary information or any other matter that may have unfairly placed our bid in a preferential position in relation to any of the other bidder(s).

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)

WITNESS 1

NAME

SIGNATURE

WITNESS 2

NAME

SIGNATURE

DATE

ANNEXURE A - 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:³

- 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 bidder must ensure that their submission is no bigger than 20 MB 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.

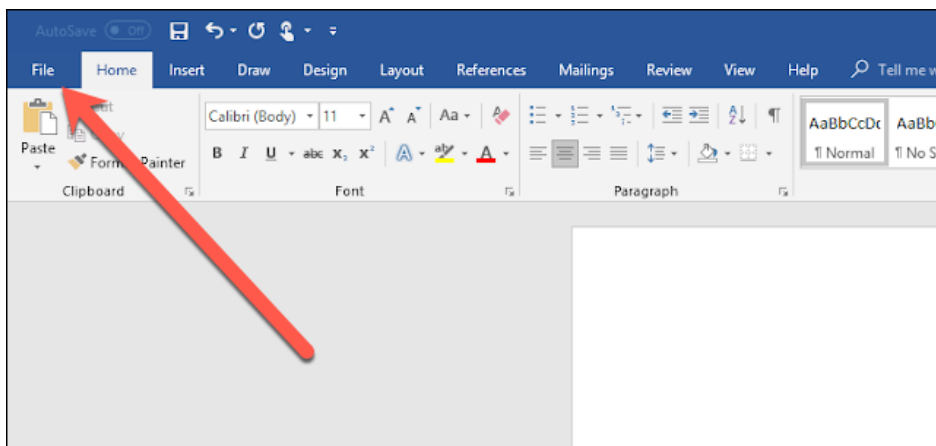
³ SANS 10845-1 paragraph 4.7

- The subject of your email quote verbatim the bid name in the exact words provided in the NRF bid document.

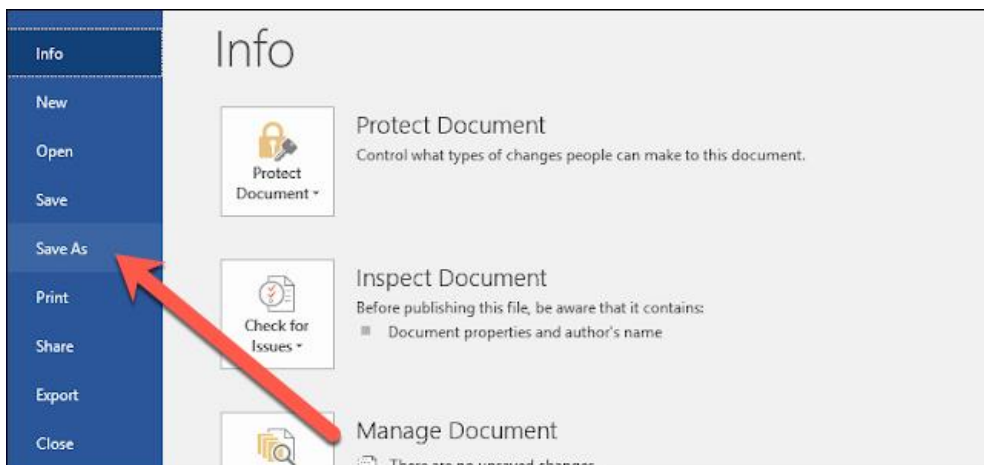
GUIDELINES

Converting to pdf

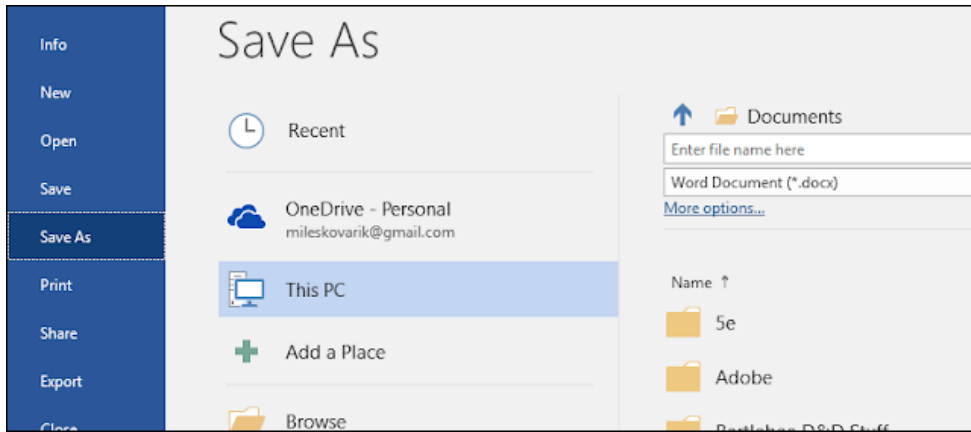
- If you have the desktop version of Microsoft Word, the easiest way to convert your document to PDF is right in Word itself.
- Open the document you want to convert, and then click the “File” tab.



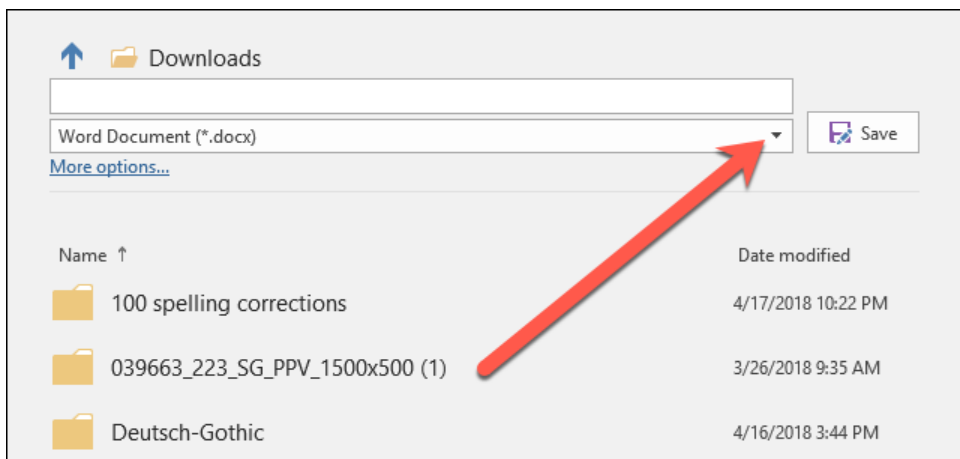
- On the backstage screen, select “Save As” from the list on the left.



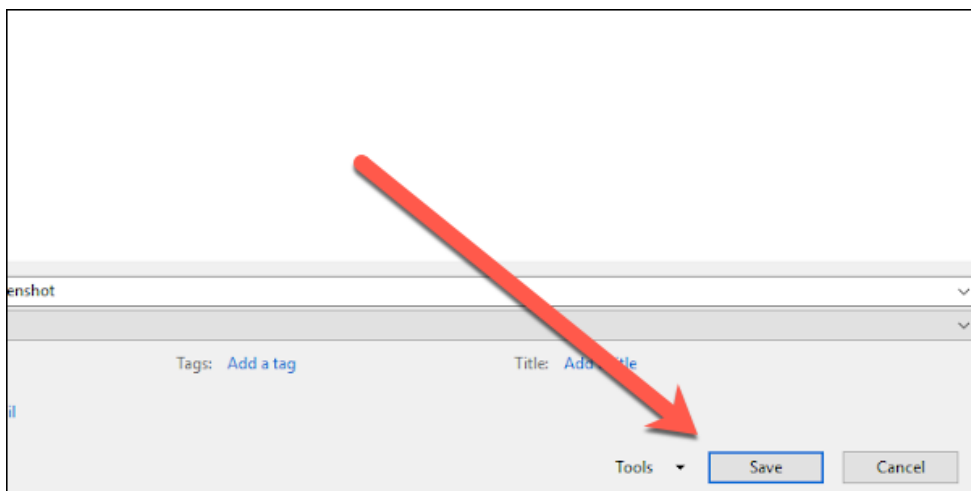
- On the Save As screen, select where you would like the PDF to be saved (OneDrive, This PC, a particular folder, or wherever).



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



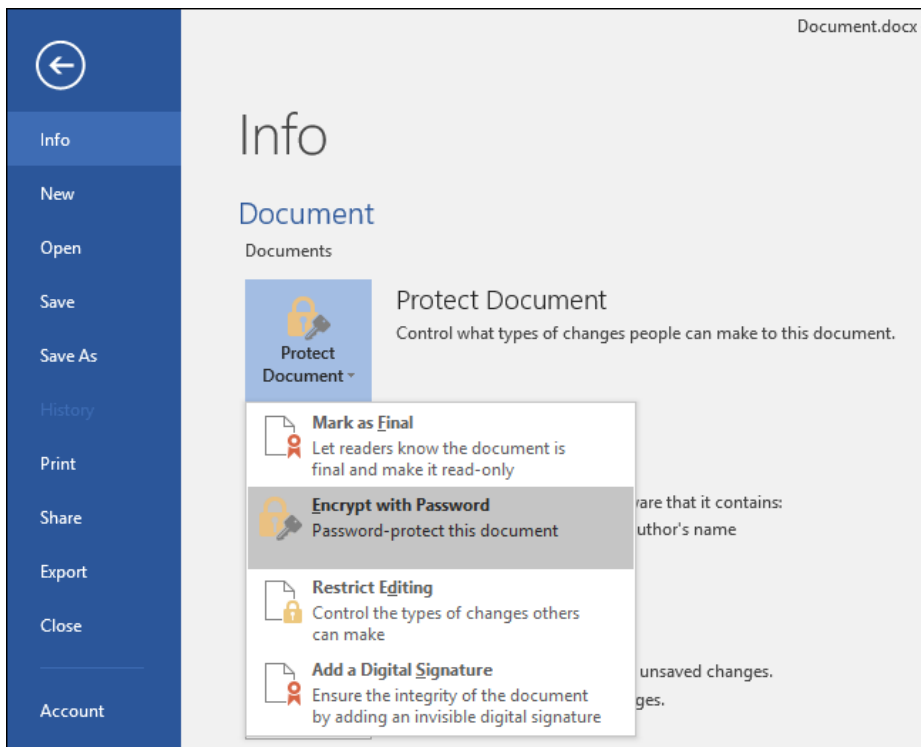
- If you want to, you can change the filename at this time. When you're ready, click the “Save” button.



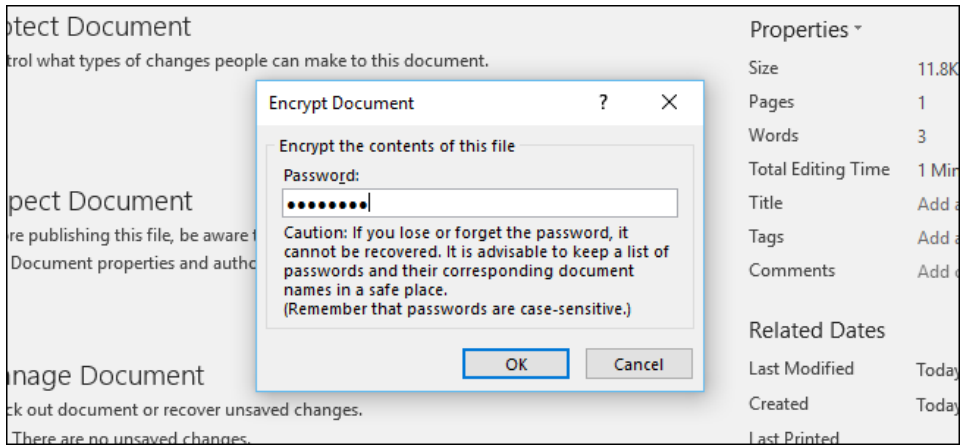
- After saving the PDF, you'll be returned to your Word document, and the new PDF will open automatically in your default PDF viewer.

Password protecting files

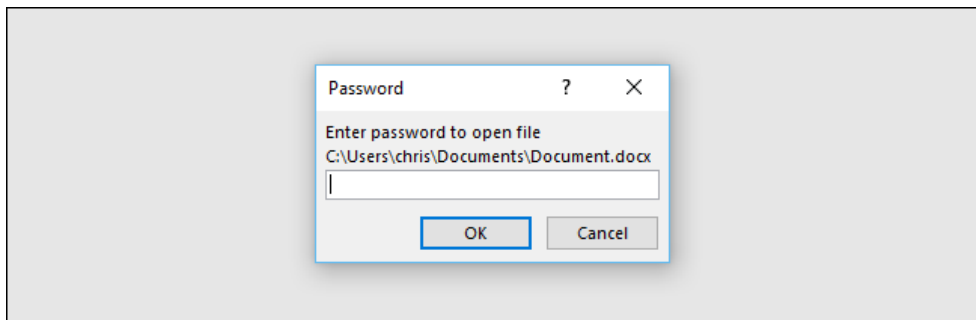
- To password protect an Office document, first open it in Word, Excel, PowerPoint, or Access. Click the “File” menu at the top-left corner of the screen. On the Info pane, click the “Protect Document” button and select “Encrypt with Password.”
- The button is only named “Protect Document” in Microsoft 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.



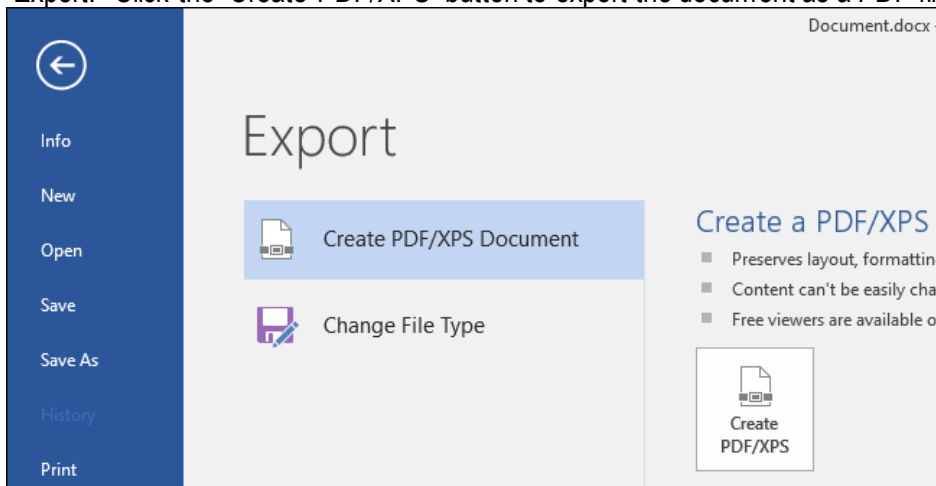
- When a document is encrypted, you'll see the "A password is required to open this document" message on the Info screen.
- The next time you open the document, you'll see an "Enter password to open file" box. If you don't enter the correct password, you won't be able to view the document at all.



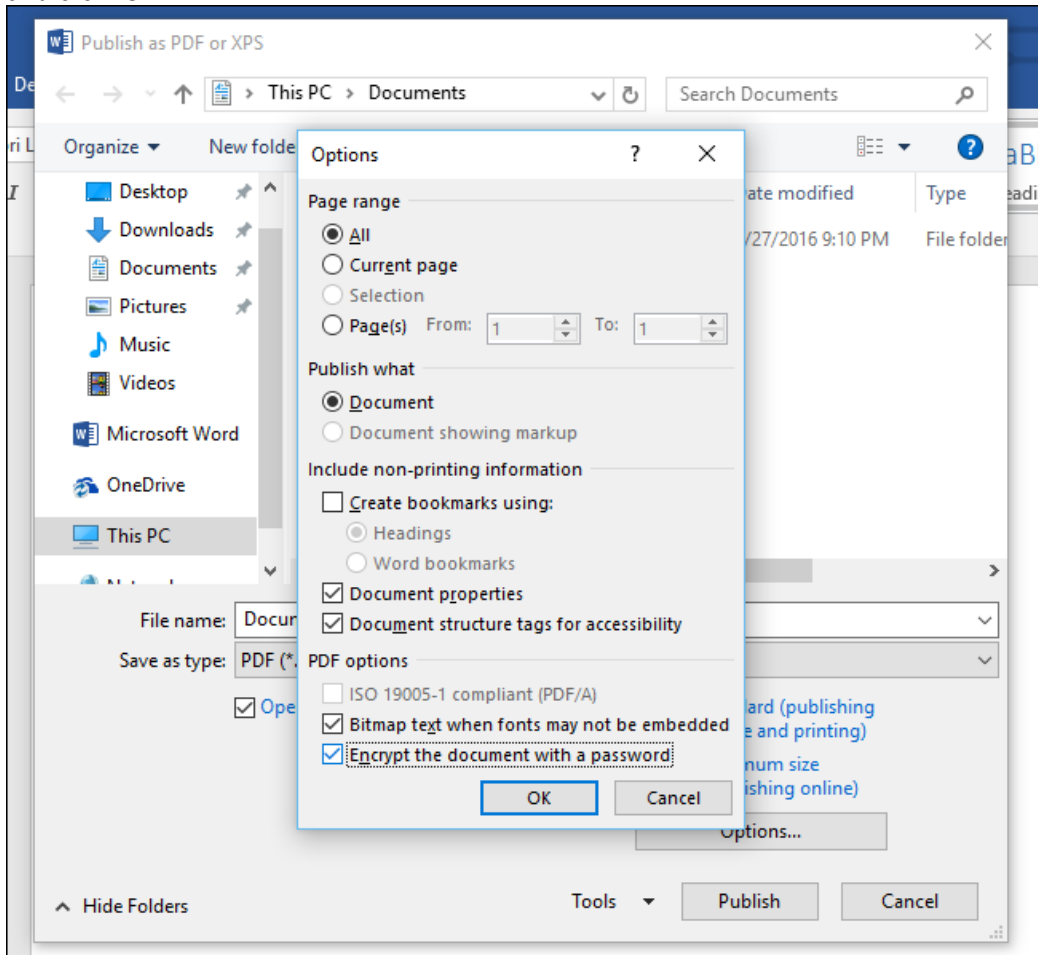
- To remove the password protection from a document, click the "Protect Document" button and select "Encrypt with Password" again. Enter a blank password and click "OK." Office will remove the password from the document.

How to Create a Password Protected PDF File

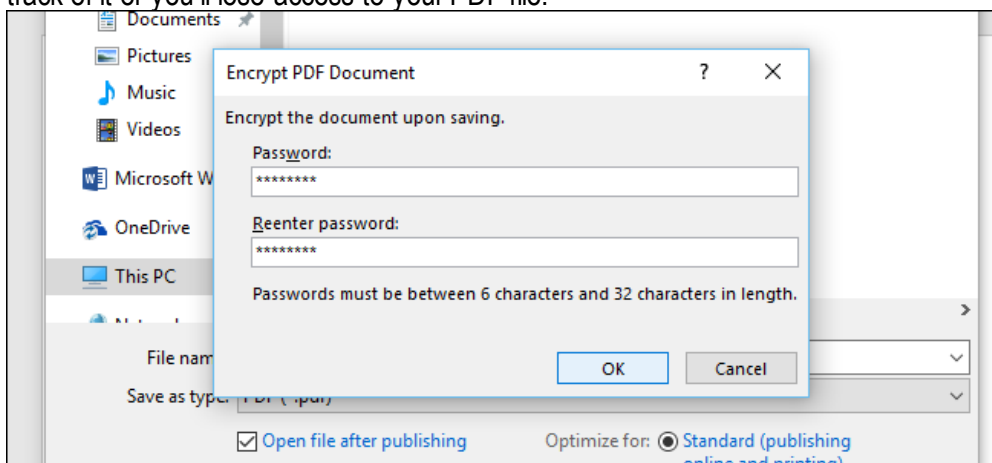
- You can also export an Office document to a PDF file and password protect that PDF file. The PDF document will be encrypted with the password you provide. This works in Microsoft Word but not Excel, for some reason.
- To do this, open the document in Microsoft Word, click the "File" menu button, and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



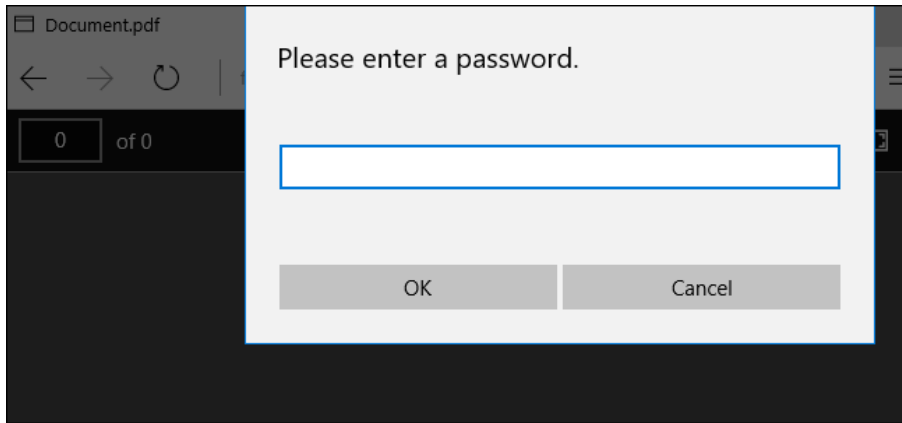
- Click the “Options” button at the bottom of the save dialog window that appears. At the bottom of the options window, enable the “Encrypt the document with a password” option and click “OK.”



- 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.