



**SARAO**  
South African Radio  
Astronomy Observatory

## INVITATION TO BID

### CONSTRUCTION AND COMMISSIONING OF A RADIO FREQUENCY INTERFERENCE (RFI) MEASUREMENT FACILITY AT SKA KLEREFONTEIN SUPPORT BASE CONSISTING OF MODULE BUILDING, FOUNDATIONS AND SCREENED ROOMS

<b>Bidder Name:</b>	
<b>Bidder Email Address:</b>	
<b>Bid Number:</b>	NRF/SARAO RFI/24/2022-23
<b>Compulsory Briefing Session:</b>	<b>Date:</b> Wednesday, 29 June 2022 <b>Time:</b> 10.00AM <b>Venue:</b> Karoo Support Base, Klerefontein Farm, Carnarvon <b>GPS Coordinates:</b> 30 58' 26.03"S 21 59' 37.88"E
<b>Closing Date:</b> <b>Closing Time:</b>	Friday, 15 July 2022 11.00 AM  <b>Note: Submissions received after 11.00AM will be NOT be accepted</b>
<b>Bid Submission:</b>	Electronic submissions must be sent to <a href="mailto:tenders@sarao.ac.za">tenders@sarao.ac.za</a> Bids must be submitted in two separate electronic folders, one with the compliance and technical response, and the second with the financial response. Folders must be titled with the bidder's company name and folder title. Attachments are limited to 25 MB per email. Bidders may use WeTransfer, Dropbox, Google Drive or similar file sharing applications to submit their bid submissions.
<b>Direct enquiries in writing to:</b>	
<b>Procedural Enquiries:</b>	<b>Technical Enquiries:</b>
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# TABLE OF CONTENTS

INTRODUCTION	3
INTRODUCTION TO THE NRF	3
INTRODUCTION TO SARAO	3
THE REQUIREMENTS OF THIS BID	3
PART A – THE TENDER	4
MEASUREMENT FACILITY SPECIFICATIONS	4
THE BID SELECTION PROCESS	7
BID EVALUATION CRITERIA	8
STAGE 1 - SUBMISSION OF RETURNABLE DOCUMENTS AND SCHEDULES	8
STAGE 2 - TECHNICAL EVALUATION	10
STAGE 3 – PRICE AND B-BBEE STATUS LEVEL OF CONTRIBUTOR	11
PART A.1 – BID PREPARATION	12
BIDDING INSTRUCTIONS	12
PART B – THE CONTRACT	16
SPECIAL CONDITIONS OF CONTRACT	16
GENERAL CONDITIONS OF CONTRACT (GCC)	22
PART B.1 – PRICING	28
PRICING INSTRUCTIONS	28
PRICING SCHEDULE (SBD 3.3)	29
PART C – RETURNABLE SCHEDULES	31
SCHEDULE OF PROPOSED SUB-CONTRACTORS	31
INVITATION TO BID (SBD 1)	32
SBD 4    BIDDER’S DISCLOSURE	34
SBD 6.1 - PREFERENCE POINTS CLAIM FORM	36
BID SIGNATURE (SBD 1)	39
PART D – BID ANNEXURES	40

# 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.

## INTRODUCTION TO SARAO

The South African Radio Astronomy Observatory (SARAO) is the National Research Foundation’s National Facility incorporating South Africa’s radio astronomy instruments and programmes such as the MeerKAT and KAT-7 telescopes in the Karoo in the Northern Cape, the Hartebeesthoek Radio Astronomy Observatory (HartRAO) in Gauteng, the African Very Long Baseline Interferometry (AVN) programme in nine African countries as well as the associated human capital development and commercialisation endeavours. More information about SARAO is available from [www.ska.ac.za](http://www.ska.ac.za). More information about the international SKA project is available from [www.skatelescope.org](http://www.skatelescope.org).

## THE REQUIREMENTS OF THIS BID

The SARAO RFI team is responsible for the testing of all internal Radio Frequency Interference (RFI) sources on the Karoo site for the current telescopes on site, such as MeerKAT and also for future expansions (so called MK+), and new telescopes such as the SKA (Square Kilometre Array). Given the number of items, physical size of the items and the increase in site equipment that needs qualification testing or re-testing, RFI test facilities additional to the small inhouse reverb chamber currently used by SARAO, is required.

This tender is for the Construction of an RFI Measurement Facility, with a reverberation chamber to be located at the SKA Klerefontein Support Base in the Karoo, Northern Cape.

The Measurement facility will be housed in a modular building until the SKA Engineering Operations Centre (EoC) is constructed and it will then be moved to the EoC.

The major part of the work for this contract is the supply and construction of a screened RFI chamber and as such the contractor supplying this will be the main contractor. The supply of a commercial off the shelf modular building, the foundations for the building and the electrical connections to the available power at the site can be subcontracted.

This main contract includes the supply, installation, qualification and commissioning of the RFI test facility, but excludes the supply of RFI test equipment (to be supplied by SARAO) that will be used when operating the chamber.

# PART A – THE TENDER

## MEASUREMENT FACILITY SPECIFICATIONS

### 1. Introduction and Background

The SARA0 RFI team is responsible for the testing of all internal Radio Frequency Interference (RFI) sources on the Karoo site for the current telescopes on site, such as MeerKAT and also for future expansions (so called MK+) and new telescopes such as SKA. Given the number of items, physical size of the items and the increase in site equipment that needs qualification testing or re-testing, an RFI test facility additional to the small in-house reverb chamber currently used by SARA0, is required.

Therefore, this tender is for the construction of an RFI Measurement Facility with a reverberation chamber, to be located at the Klerefontein Support Base in the Karoo, Northern Cape. A Measurement Facility is comprised of a reverberation chamber (RVC) and an equipment chamber, which are both shielded rooms made up of steel modular panels. An RVC is used to measure radiation from the equipment under test (EUT), while the equipment chamber is used to house the measurement equipment and the workstations.

### 2. Chambers of the Measurement Facility

The measurement facility is a modular building comprised of a Reverberation Chamber and an Equipment Chamber.

#### 2.1. Reverberation Chamber

- 2.1.1. Shielded Room with dimensions (9.0m x 5.0m x 2.8m (LWH)) - made up of modular steel panels
- 2.1.2. Shielded Door with dimensions (1.2m x 2.1m (WH)) – with necessary gaskets
- 2.1.3. Equipment Under Test (EUT) Support – Non-conductive/non-absorbing support, EUT is placed on this support
- 2.1.4. Mode Stirrer - connected to a motor outside the Chamber through a non-conductive rod
- 2.1.5. Interface Plate – N-type Female RF interfaces, wave guide interface, data line filters.

#### 2.2. Equipment Chamber

- 2.2.1. Shielded Room with dimensions (4.0 x 4.0 x 2.8m (LWH)) – made up of modular steel panels
- 2.2.2. Shielded Door with dimensions (1.2 x 2.1 m (WH)) – with necessary gaskets
- 2.2.3. Interface Plate – interfaces connect to RVC interfaces with a semi-grid shielded RF cable
- 2.2.4. Measuring equipment inside equipment chamber to minimise RFI coupling.

**The detailed descriptions of all the specifications and requirements for these two chambers are explained in reference document (SSA-008N-04B-001), attached to this bid document at Annexure A.**

### 3. Foundation for the Measurement Facility

The foundation is required before the installation of the Measurement facility. There are two areas at the Klerefontein Support Base that need foundation.

#### 3.1. Area 1 – Karoo measurement facility

- 3.1.1. Concrete floor with dimensions (15.0 x 10.0 m (LW))
- 3.1.2. The floor shall be levelled.

3.1.3. The foundation shall be capable of handling the unknown weight of the modular building and the two shielded chambers at an estimated weight of 8-9 tons spread over 61m<sup>2</sup>.

**3.2. Area 2 – Office Area with carport for RFI Bakkie & Storage**

3.2.1. Concrete floor with dimensions (15.0 x 8.0 m (LW))

3.2.2. The floor shall be levelled.

3.2.3. The foundation shall be capable of handling a modular Office building structure.

**The detailed descriptions of all the specifications for the foundation is explained in reference document (SSA-008N-04B-002), attached as Annexure B.**

The contractor shall contract a registered Civils engineer to approve the designs of the foundations and this shall be submitted to SARAO for approval.

**4. Electrical requirements for the Measurement Facility**

The electrical requirements are of importance for the Measurement Facility's operations.

4.1. General Electrical Supply

4.1.1. The Measurement Facility shall connect to Klerefontein Support Base electrical power distribution according to the national building regulation standards.

4.1.2. The Measurement Facility shall provide access to the building mains supply for the specified isolatable electrical interfaces.

4.2. Lights

4.3. Earth Leakage

Note: The electrical original COC must be submitted to the SARAO site manager, and a copy to the SARAO Project Manager

**The detailed descriptions of all the specifications for the electrical requirements is explained in reference document (SSA-008N-04B-003), attached as Annexure C.**

**5. Modular Building for the Measurement Facility**

5.1. Physical Requirements-

5.1.1. The building shall be insulated to protect its contents

5.1.2. The building shall have dimensions of (15.0m x 10.0m x 4.0m (LWH))

5.1.3. The building shall have a double door with dimensions of (1.8m x 2.1m (WH))

5.1.4. The building shall have four specified windows with a width of 1.2m

5.2. Transport –

5.2.1. The modular building components shall be transported to the specified Klerefontein Location.

5.3. Electrical Requirements - Shall comply with the electrical requirements of this project. Refer to SSA-008N-04B-003 (Annexure C)

#### 5.4. Environment Requirements

5.4.1. Ventilation - The building should provide fresh air to the chambers inside the modular building

5.4.2. Operational Temperature – Shall be maintained at 22°C ±2°C. by using a suitable commercial air conditioner

**The detailed descriptions of all the specifications for the modular building is explained in reference document (SSA-008N-04B-004), attached as Annexure D.**

#### 6. Bidding Entity

##### 6.1 Main Contractor

The Main Contractor can be an entity operating Nationally and/or Internationally, and does not need to be CIDB registered, but must have more than 5 years' experience in building screened facilities.

##### 6.2 Modular Building Sub-contractor

The Modular Building sub-contractor can be a national company and should preferably be CIDB registered.

##### 6.3 Foundation Sub-contractor

The Foundation sub-contractor must be local to the Northern Cape and should preferably be CIDB registered.

##### 6.4 Electrical Sub-contractor

The Electrical sub-contractor must be local to the Northern Cape and should preferably be CIDB registered.

## THE BID SELECTION PROCESS

### STAGE 1 - SUBMISSION OF RETURNABLE DOCUMENTS AND SCHEDULES

Bids will be evaluated for compliance with the procedural requirements of this bid, which entails the completion and/or submission of the returnable documents and schedules specified in the Returnable Documents and Schedules Table on **Page 8-9** below.

**NOTE:** Failure to comply with the mandatory requirements in this stage may result in bid disqualification. However, SARA0 may apply the discretion to allow bidders to complete and/or sign returnable schedules not completed and/or signed in the first instance or to submit returnable documents not submitted in the first instance. Such returnable schedules or documents must be of a purely administrative nature (such as SBD forms), and may not pertain to the substance of the bid such as to affect the competitive position of bidders, by giving one or more bidders a second and unfair opportunity to augment the quality (substantive) aspects of their bid.

### STAGE 2 - TECHNICAL EVALUATION

Bids will be evaluated against the technical criteria outlined on **Page 10-11** below. –

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

### STAGE 3 - PRICE AND PREFERENCE POINTS SCORING

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

- (i) **Price** - with the lowest priced bid receiving the highest price score as set out in the Preferential Procurement Policy Regulations 2017;
- (ii) **Preference** - preference points as claimed in the preference claim form (SBD 6.1) supported by a valid BBBEE certificate or sworn affidavit, in the case of EMEs and QSEs, are added to the price ranking scores.

## BID EVALUATION CRITERIA

### STAGE 1 - SUBMISSION OF RETURNABLE DOCUMENTS AND SCHEDULES

**NOTE:** All mandatory criteria need to be complied with to move on to the next stage of evaluation. All SBD forms indicated as mandatory must be completed and signed by bidders. However, SARA0 may apply the discretion to allow bidders to complete and/or sign returnable schedules not completed and/or signed in the first instance or to submit returnable documents not submitted in the first instance. Such returnable schedules or documents must be of a purely administrative nature, and may not pertain to the substance of the bid such as to affect the competitive position of bidders by giving one or more bidders a second and unfair opportunity to augment the quality (substantive) aspects of their bid.

Each member of a joint venture, or consortium must submit separate SBD 1, 4 and 6.1 returnable forms.

Document description	Referen ce to bidder's docume nt	Weight (Mandatory / Optional)	Criteria (All criteria are weighted equally to each other)	Grading Scheme	Bid Document Reference	SCM Verification (Yes/No)
<b>Mandatory Criteria (M); Optional Criteria (O).</b> All mandatory criteria need to be complied with to move on to the next stage of evaluation. All SBD forms indicated as mandatory must be completed and signed by bidders.						
Proof of CIDB registration of foundations and/or modular structure sub-contractors, in the 1 GB class of constructions works		<b>Optional</b>	Has the bidder submitted proof of its sub-contractor(s) CIDB registration in the grading specified?	Yes / No	Page 6	
Proof of registration of the electrical sub-contractor in the 1 EB class of construction works		<b>Optional</b>	Has the bidder submitted proof of its sub-contractor's CIDB registration in the grading specified?	Yes / No	Page 6	
Schedule of proposed sub-contractors to be appointed by the bidder for the foundations and electrical work on this project, preferably EMEs or QSEs local to Carnarvon		<b>Mandatory</b>	Has the bidder completed the schedule of proposed sub-contractors, and indicated who will undertake the electrical and foundations work?	Yes / No	Page 26 - 27	
BBBEE Certificate, or sworn affidavit confirming annual turnover and level of black ownership, in the case of EMEs and QSEs		<b>Optional</b>	Has the bidder submitted a valid B-BBEE certificate or sworn affidavit in order to claim B-BBEE points?	Yes / No	Page 7	
B-BBEE certificate, or sworn affidavit of sub-contractor(s), confirming annual turnover and		<b>Optional</b>	Where the bidder sub-contracts more than 25% of the works in this bid to a sub-contractor(s) –	Yes / No	This page	

level of black ownership, in the case of EMEs and QSEs			does the sub-contractor(s) have at least the same B-BBEE points as the bidder? Unless the sub-contractor is an EME that has the capability to do the work			
<b>SBD 1 Form</b> (Invitation to Bid)		<b>Mandatory</b>	Has the bidder completed and signed the SBD 1 form?	Yes / No	Pages 27-28	
<b>SBD 3.3 Form</b> (Pricing Schedule) – submitted in a separate electronic folder		<b>Mandatory</b>	Has the bidder submitted its price offer for the services offered?	Yes / No	Pages 24-26	
<b>SBD 4 Form</b> (Bidder's Disclosure)		<b>Mandatory</b>	Has the bidder completed and signed the SBD 4 form?  Has the bidder made any disclosure which would preclude it from responding to this bid?	Yes / No	Pages 29-30	
<b>SBD 6.1 Form</b> (Preferential Points Claimed)		<b>Mandatory</b>	Has the bidder completed and signed the SBD 6.1 form?	Yes / No	Pages 30-32	
<b>SBD 1 Form</b> (Bid signature)		<b>Mandatory</b>	Has the bidder confirmed, by signing this form, that its bid is validity submitted?	Yes / No	Page 40	

## STAGE 2 - TECHNICAL EVALUATION

**NOTE:** Failure to submit evidence that the bidder meets the functional requirements specified in this section will result in disqualification. No second opportunity will be given to submit evidence not submitted, except in the case where there is no competition (i.e. one bid is received) and therefore no prejudice will be suffered by any other bidder.

Similarly, disqualification will result where the evidence submitted does not satisfy the assessment methodology for each functional requirement.

Functional Requirement	Weight	Assessment Methodology	Assessment	BEC Verification
<p>1 <b><u>Bidder Track Record</u></b></p> <p>Bidders must submit a photographic image, drawing or brochure of similar chambers that they have supplied, including screening effectiveness and frequency range</p>	<b>Mandatory</b>	Is it clear from the evidence submitted, that the bidder has supplied a structure similar to the structure required in this bid, and does the evidence provided include information on the screening effectiveness and frequency range of the said structure?	Yes/No	
<p>2 Bidders must submit a list of screening effectiveness tests done, including the test equipment they have to do such tests</p>	<b>Mandatory</b>	Does the bidder have experience with screening effectiveness tests based on EN 50147-1: March 1996 Anechoic chambers Part 1: Shield attenuation measurements, and do they have the required test equipment such as Amplifiers, Spectrum Analysers, Antennas and cables	Yes / No	
<p>3 <b><u>Qualifications of Bid Technical Resources</u></b></p> <p>Bidders must supply CVs of at least the following Project Personnel -</p> <p>(i) Project Manager;</p> <p>(ii) Technical Lead who will be responsible for the construction and acceptance testing of the Reverberation chamber; and</p> <p>(iii) Registered Civils Engineer who will approve the foundation designs</p>	<b>Mandatory</b>	Do the Bidder's Project Manager, Technical Lead and Civils Engineer meet the requirements stipulated in this section, in terms of their -	Yes / No	
<p>4 <b>Compliance to Technical Specifications</b></p>	<b>Mandatory</b>	It must be clear that the bidder can construct and commission the RFI facility	Yes / No	

<p>Bidders must supply a method statement on the construction and qualification of the RFI facility</p> <p>Bidders must supply a Statement of Compliance to the Technical Specifications that are Appendixes to this tender</p>		<p>Bidders must state compliance to all the technical specifications</p>		
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<p><b>HAS THE BIDDER COMPLIED WITH ALL THE MANDATORY EVALUATION CRITERIA IN THIS STAGE?</b></p>	<p><b>YES - PASS TO PRICING</b></p>	<p><b>NO - DISQUALIFIED</b></p>
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**STAGE 3 – PRICE AND B-BBEE STATUS LEVEL OF CONTRIBUTOR**

Bids which meet the minimum requirements for Stage 2, will be evaluated on price and B-BBEE status level (Stage 3) as follows –

CRITERIA	POINTS
PRICE	80
B-BBEE STATUS LEVEL OF CONTRIBUTION	20
TOTAL POINTS FOR PRICE AND B-BBEE	100

# PART A.1 – BID PREPARATION

## BIDDING INSTRUCTIONS

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

<b>1.</b>	<b><u>Late bids</u></b>
1.1	Bids received after the closing time and/or date will not be considered.
<b>2.</b>	<b><u>Authority of bid signatory</u></b>
2.1	The bid must be signed by a person duly authorised to do so.
<b>3.</b>	<b><u>Clarification of the bid</u></b>
3.1	A bidder requiring any clarification of the bid documents may direct the request for clarification in writing, to the SARAO representatives listed on the cover page of this bid document.
3.2	A response will be provided by SARAO in writing. The response (including an explanation of the query, but without identifying the source of the query) will be sent to all prospective, identifiable bidders.
3.3	The last date for the submission of requests for clarification shall be three (3) working days from the closing date of the tender.
<b>4.</b>	<b><u>Bid preparation costs</u></b>
4.1	Bidders will be responsible for all costs associated with the preparation and submissions of their bids.
<b>5.</b>	<b><u>Tender Briefing Session and Site Visits</u></b>
5.1	Where applicable, the arrangements for a compulsory / non-compulsory tender briefing session and / or site visit are as stated in the Invitation to Tender.
5.2	Bidders should be represented by a person or persons who are suitably qualified and experienced to comprehend the aspects of the work involved.
5.3	Where the briefing session or site visit is compulsory, bidders not represented at such briefing session or site visit will be precluded from submitting a bid.
<b>6.</b>	<b><u>Counter proposals</u></b>
6.1	No counter proposals will be accepted.
<b>7.</b>	<b><u>Alterations to the bid document</u></b>
7.1	Bidders may not make any alterations or additions to the content of this bid document, except to comply with the instructions issued by SARAO. Any alterations made to the content of this bid document other than those mandated by SARAO will result in the invalidation of a bidder's submission.
<b>8.</b>	<b><u>Submitting a tender offer</u></b>
8.1	Bidders may submit one tender offer only, either as a single tendering entity or as a member of a joint venture or consortium, unless otherwise stated in this bid document.
8.2	Each party to a joint venture or consortium must individually complete and submit the SBD returnable schedules included in this bid document.

8.3	Bidders must return all returnable documents and schedules after completing them in their entirety, preferably electronically, or by writing legibly in non-erasable ink.
8.4	The bid document must be submitted in its entirety.
9.	<b><u>Alternative Tender Offers</u></b>
9.1	Unless otherwise stated in this bid document, alternative tenders offers may only be submitted if a main tender offer, strictly in accordance with all the requirements of the bid documents is also submitted, as well as a schedule that compares the requirements of the bid document with the alternative requirements proposed.
9.2	An alternative tender offer must be based only on the criteria stated in this bid document, or criteria otherwise acceptable to SARAO.
9.3	An alternative tender offer will only be considered if the main tender offer is the winning tender.
10.	<b><u>Clarification of bidder's tender offer after submission</u></b>
10.1	Bidders may be required by SARAO, to provide clarification of their tender offer during the bid evaluation or adjudication stages. This may include providing a breakdown of rates or prices, or correction of arithmetical errors by the adjustment of certain rates or item prices (or both).
10.2	No change in the competitive position of bidders or substance of the tender offer may be sought, offered, or permitted.
11.	<b><u>Two envelope system</u></b>
11.1	SARAO utilises the two-envelope system to minimise any form of price bias in the technical evaluation phase.
11.2	All responses must be submitted in two sealed envelopes, alternatively two electronic folders (if submissions are required to be electronic); the first envelope/folder shall contain the technical, and compliance response and the second shall contain only the pricing response.
11.3	Bidders must ensure that they do not include any pricing details in the first envelope/folder, as SARAO reserves the right to disqualify such bids.
11.4	<b>Bidders are required to package their bid as follows:</b> <ul style="list-style-type: none"> <li>● Envelope/ Folder 1: Compliance and Technical Response</li> <li>● Envelope/ Folder 2: Pricing Response</li> </ul>
12.	<b><u>Central Supplier Database registration</u></b>
12.1	No award may be made to a bidder who is not registered with the National Treasury Central Supplier Database (CSD), and has not submitted evidence of such registration in the form of a valid CSD Registration Number.
12.2	Bidders not registered with CSD are not precluded from submitting bids, but must be registered prior to award of the bid.
13.	<b><u>Tax compliance status</u></b>
13.1	Bidders must ensure that their tax matters are in order. No award will be made to any bidder whose tax matters have not been declared to be in order by the South African Revenue Services (SARS).
13.2	Each party to a joint venture, consortium or partnership must comply with the above requirement.
13.3	The bid will be declared non-responsive in the event that the bidder's tax matters are shown not be in order, and the bidder fails to ensure that its tax matters are in order within a minimum of 7 days, or within such extended timeframe as may be granted by SARAO in writing.
14.	<b><u>Due Diligence during Bid Evaluation</u></b>
14.1	During the evaluation of the bid, SARAO reserves the right carry out such due diligence on bidders as it deems necessary, which due diligence may include requesting bidders to submit reference letters from clients for whom

	similar services have been provided.
14.2	Where reference letters are requested in terms of section 14.1 above, bidders must ensure that they are completed in the template provided in this bid document, or in the same format on a client's letterhead.
14.3	Reference letters submitted must, at a minimum, indicate that the bidder "meets requirements" for each performance indicator stipulated on the reference letter.
15.	<b><u>Invalid bids</u></b>
15.1	Tenders shall be invalid if –
15.1.1	In a two-envelope system, a bidder fails to submit both a technical proposal and a separate financial offer.
15.1.2	The bidder is listed on the National Treasury's Register for Tender Defaulters in terms of the Prevention and Combating of Corrupt Activities Act, No. 12 of 2004, or has been listed on the National Treasury's List of Restricted Suppliers and who is therefore prohibited from doing business with the public sector.
15.3	The bidder has been restricted from doing business with any Organ of state.
16.	<b><u>Price negotiations prior to award</u></b>
16.1	The award of this bid may be subject to price negotiations with the preferred bidder or bidders, where there are opportunities for realising cost savings, or where bid prices are not market related.
16.2	SARAO reserves the right to reject overpriced or under-priced bids outside the identified price range for the bid.
17.	<b><u>Cancellation of the bid prior to award</u></b>
17.1	SARAO reserves the right to cancel this bid at any time before award, where -
17.1.1	Due to changed circumstances there is no longer a need for the services specified in this bid.
17.1.2	Funds are no longer available to cover the total envisaged expenditure for the project.
17.1.3	No bids meet the required specifications.
17.1.4	There is a material irregularity in the bid process.
18.	<b><u>Bid award</u></b>
18.1	The bid will be awarded after approval by the NRF, to the bidder with the highest combined score for Price and B-BBEE status level, unless other objective criteria, specified in the bid document, applies.
18.2	The award will be subject to final verification of the bidder's tax compliance status.
19.	<b><u>Collusion, fraud and corruption</u></b>
19.1	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.
20.	<b><u>Fronting</u></b>
20.1	SARAO supports Government's Broad-based Black Economic Empowerment (B-BBEE) initiatives, recognising that real empowerment is achieved by individuals and businesses conducting themselves in accordance with the Constitution and in an honest, fair, equitable, transparent, and legally compliant manner. Therefore, SARAO condemns any form of fronting.
20.2	SARAO's evaluation committees may conduct or initiate investigations to determine the accuracy of bidders' B-BBEE representations.
20.3	Should SARAO have reasonable grounds to suspect any form of fronting, the bidder in question will be notified and given 7 days from the date of notification to provide evidence refuting the finding of fronting.
20.4	Should the bidder be unable to refute the finding to the satisfaction of SARAO, SARAO reserves the right to reject the bid submitted by the bidder or cancel any contracts entered into with the bidder, and apply to National Treasury to

	restrict for the bidder to be restricted from conducting business with the public sector for a period not exceeding 10 years, and exercise any other remedies SARAO may have against such a bidder.
<b>21.</b>	<b><u>Disclaimers</u></b>
<b>21.1</b>	SARAO has produced this document in good faith. SARAO, 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. SARAO has no liability towards the bidders in connection therewith.

# PART B – THE CONTRACT

## SPECIAL CONDITIONS OF CONTRACT

**These Special Conditions of Contract must be cross-referenced against the General Conditions of Contract (GCC) (p.18-23). The Special Conditions of Contract qualify or augment specific clauses of the GCC, or introduce conditions not included in the GCC.**

1	<b>Definitions</b>
<i>Substitute Clause 1.20 with the following:</i>	
1.20	<b>“Client Premises”</b> means the sites, primary location of work and or premises of the Client where the Services will be rendered by the Service Provider in terms of this Agreement, as described in the Bid Document.
<i>Substitute GCC Clause 1.21 with the following:</i>	
1.21	<b>“Client”</b> means the purchaser being the South African Radio Astronomy Observatory (SARAO), a business unit of the NRF.
<i>Substitute Clause 1.24 with the following:</i>	
1.24	<b>“Services”</b> shall mean all activities pertaining to the deliverables the Service Provider is required to deliver to the Client under this Agreement. This definition shall also be applicable, as the context requires, anywhere where the words “supplies” or “goods” appear in the GCC.
<i>Add the following Clauses after Clause 1.25:</i>	
1.26	<b>“Agents”</b> means any person or party a Party may appoint as agent, professional adviser, contractor, supplier, sub-contractor, each aforementioned acting strictly in the course and scope of its obligations towards a Party, or any affiliate of either Party.
1.27	<b>“Agreement”</b> means the Contract being the Bid Document, including these Special Conditions of Contract; the Service Provider’s bid and price submission in response to Bid Ref: NRF/SARAO RFI/24/2022-23; and any Annexures, Schedules or Addendums referred to herein.
1.28	<b>“Annexures”, “Schedules” and “Addendums”</b> means any document of the aforesaid description reduced to writing and signed by the Parties, which is from time to time incorporated in this Agreement. These documents may be amended in writing by mutual agreement between the Parties.
1.29	<b>“Bid document”</b> means the bid document issued by the Client on Friday, 17 June 2022, with Reference Number, NRF/SARAO RFI/24/2022-23.
1.30	<b>“Commencement Date”</b> means the date of last signature of the Agreement between the Parties.
1.31	<b>“Service Provider”</b> means the supplier or service provider being the provider of the services, with whom the Agreement is concluded.
1.32	<b>“Loss”</b> means loss, injury, death and/or damage.
1.33	<b>“Material breach”</b> means a breach by either Party of a material obligation, imposed on such Party in terms of this Agreement, which breach deprives the other Party of such reasonable benefits or caused or may cause harm to any such Party’s interests.
1.34	<b>“NRF”</b> means the National Research Foundation, a statutory entity established in terms of the National Research Foundation Act 23 of 1998.
1.35	<b>“Personnel”</b> means either Party’s, as the context may indicate, directors, employees, officers, each aforementioned acting strictly in the course and scope of its employment towards a Party, or Agents.
1.36	<b>“Third Party”</b> means any person or party which is not a Party to this Agreement.

<b>3</b>	<b>General</b>
<b>Substitute Clause 3 in its entirety with the following clauses:</b>	
3.1	This Agreement shall commence on the Commencement Date and shall continue for a period of six (6) months, or such extended period as may be granted by the Client, unless terminated by either Party in accordance with Clauses 22A, 23, 23A, 23B and 25 below.
3.2	Any extension of the contract duration will become effective once accepted by the Service Provider, and approved by the NRF delegated authority.
<b>3A</b>	<b>The Service Provider's Obligations:</b>
3A.1	The Service Provider agrees, undertakes, covenants and warrants (all where applicable) to, <i>inter alia</i> : -
3A1.1	Provide the services in accordance with the supply specifications detailed in the Bid Document, and in accordance with the Agreement and good industry practice applicable from time to time.
3A1.2	Only when notified of the acceptance of the bid by the issuing of a Purchase Order, commence with and carry out the delivery of the services in accordance with the contract, to the satisfaction of the Client.
3A1.3	Provide all of the necessary materials, labour and equipment required for the delivery of the services, including any temporary services that may be required.
3A1.4	Ensure that the project team proposed in its bid is the same project team made available to the Client during the contract.
3A1.5	Should it wish to substitute any of its proposed project team members during the course of the contract, only do so by written request to the Client. The Client must approve the request in writing before substitution may take place.
3A1.6	Subcontract the foundation and electrical works required in the scope of services to companies preferably local to the Northern Cape.
3A1.7	Be continuously represented during the delivery of the services by a competent representative duly authorised to execute instructions.
3A1.8	Subject to Clauses 22A, 23, 23A, 23B and 25, it will complete and deliver the Services within the Period stated in Clause 3.1, or any extended period thereof in terms of Clause 3.2;
3A1.9	Fully co-operate with, and give every reasonable assistance to the Client to enable any claim which may be threatened, made or brought against the Client arising out of this Agreement to be investigated;
3A1.10	Comply with all reasonable and lawful instructions from the Client, within the scope of the services;
3A1.11	Impose any penalty for delay as due by the Service Provider under Clause 22 by it issuing a credit note to the Client. The Service Provider hereby consents to such amounts being deducted from any payment to the Service Provider by the Service Provider issuing a credit note against an affected invoice. Any delay by the Service Provider in issuing a credit note within the time period agreed to by both Parties, shall result in the Client deducting the amount from any amounts due to the Service Provider. For the avoidance of doubt, should the Service Provider's aforementioned delay result in a deduction of any agreed to penalty, any such deduction for purposes of this Agreement shall be limited to and apply only to deduction of penalties pursuant to a delay by the Service Provider set out in Clause 22 and for no other matter under or in connection with this Agreement;
3A1.12	Comply with the provisions of the Occupational Health and Safety Act and all relevant regulations.
3A1.13	Comply with all laws relating to wages and conditions generally governing the employment of labour in South Africa.
<b>3B</b>	<b>The Client's Obligations:</b>
3B.1	The Client agrees, undertakes, covenants and warrants (all where applicable) that, <i>inter alia</i> -
3B1.1	it will allow the Service Provider and its Personnel reasonable access to the Client's Premises and such facilities, as required by the Service Provider, to ensure the Service Provider fulfils its obligations in terms of this Agreement, and shall allow the Service Provider and its Personnel to interview and take statements from the Client and its Personnel, by prior arrangement and on prior written notice to the Client;
3B1.2	it will advise the Service Provider of any change to its processes or circumstances which are relevant to the provision of the Services by the Service Provider in writing immediately once it becomes aware of such change. The aforesaid includes current and future circumstances which, given the Client's knowledge of the Services, may make the performance of such Services by the Service Provider and its Personnel more difficult or dangerous;
3B1.3	it will fully co-operate with and give every reasonable assistance to the Service Provider to enable any claim which may be threatened, made or brought against the Service Provider arising out of this Agreement to be investigated;
3B1.4	it may arrange meetings with the Service Provider, as and when required during the course of the contract, to establish that the Services are being performed in compliance with this Agreement;
3B1.5	it will evaluate the Service Provider's performance on the contract, from time to time during the course of the Agreement, against the expected outcomes and deliverables in terms of this Agreement;
3B1.6	it will make payment to the Service Provider for the performance of the Services as set out herein within thirty (30) days after receipt of an invoice from the Service Provider, paid free from set-off, deduction or arbitrary withholding;

3B1.7	it will notify the Service Provider of any dishonest, wrongful or negligent (gross or otherwise) act or omission of the Service Provider's Personnel in connection with the Services as soon as reasonably possible after the Client becomes aware of the same.
<b>3C</b>	<b>Primary location of work</b>
3C.1	The Services will be provided at the Client's Premises, located at the SARAO Support Base at Klerefontein, outside the town of Carnarvon.
<b>9</b>	<b>Packing</b>
<i>Clause 9 is not applicable to this contract.</i>	
<b>11</b>	<b>Insurance</b>
<b>Add the following Clauses after Clause 11.1:</b>	
11.2	Without limiting the obligations of the Supplier in terms of this Agreement, the Supplier shall affect and maintain the following additional insurances:
11.2.1	Registration / insurance in terms of the Compensation for Occupational Injuries and Disease Act, Act 130 of 1993. This can either take the form of a certified copy of a valid Letter of Good Standing issued by the Compensation Commissioner, or proof of insurance with a licensed compensation insurer, from either the Supplier's broker or the insurance company itself.
11.3	The Supplier shall be obliged to furnish the Purchaser with proof of such insurance as the Purchaser may require from time to time for the duration of this Agreement.
<b>13</b>	<b>Incidental Services</b>
<b>Substitute Clause 13.1 with the following:</b>	
13.1	Any incidental services required for the delivery of the contract shall be agreed upon in advance by the parties and will only be valid if confirmed through the issue of a written purchase order that specifies, where applicable, quality, quantity, description, unit price, and delivery date.
<b>16.</b>	<b>Payment</b>
<b>Add the following clause after clause 16.4:</b>	
<b>16.5</b>	The Supplier's invoices must meet the following minimum requirements:
16.5.1	reference the purchase order number as issued to the Service Provider by the Client;
16.5.2	include a statement of account;
16.5.3	include detailed line items as specified in purchase order;
16.5.4	invoices must be referenced with the WBS element and approved WA number.
16.6	invoices must be accompanied by the Client's authorised representative's signature, confirming performance/delivery in accordance with prescribed quality and/or quantity, conformance to specification, and unit pricing in accordance with the contract and any purchase orders issued in terms of the contract.
<b>17</b>	<b>Prices</b>
<b>Add the following clause after clause 17.1:</b>	
17.2	The contract price quoted by the supplier is required to remain firm for the duration of the contract, and will not be subject to adjustments.
<b>20</b>	<b>Subcontracting</b>
<b>Add the following clause after clause 20.1:</b>	
20.2	The Service Provider (main contractor) shall be the supplier of the screened rooms.
20.3	The Service Provider shall be required to appoint sub-contractors, preferably EMEs or QSEs local to Carnarvon, to undertake the foundations and electrical work on the contract.
20.4	The Service Provider shall be required to appoint a sub-contractor for the supply and construction of the modular building
20.5	The Service Provider must complete Schedule A of this bid document, with a list of its proposed subcontractors.
<b>22</b>	<b>Penalties</b>
<b>Substitute clause 22.1 with the following:</b>	
22.1	Subject to GCC Clause 25, if the supplier fails to deliver any or all of the goods within the period(s) specified in the contract, the purchaser shall, without prejudice to its other remedies under the contract, apply the following penalties -

Service	Measurement methodology	Penalty trigger	Penalty
Reverberation Chamber (RVC) Screening effectiveness	Screening effectiveness Test as per EN 50147-1: March 1996 Anechoic chambers Part 1: Shield attenuation measurements	Less than 100 dB of shielding from the external RF environment over a frequency range of 50 MHz to 18 GHz	<p>The cause of the failure in each category of performance will be investigated, and if wholly attributable to the fault of the Service Provider, shall be rectified at its own cost.</p> <p>Both Parties shall agree on a revised timeframe for rectification of the performance lapse, which if not met, shall result in the application of the following penalties -</p> <ul style="list-style-type: none"> <li>• One (1) week after the revised time – R500 per day;</li> <li>• 2-4 weeks – R1000 per day</li> <li>• &gt; 4 weeks – R1500 per day, and invoke Clauses 22A and 23 of this Agreement.</li> </ul>
Equipment Chamber Screening effectiveness	Screening effectiveness Test as per EN 50147-1: March 1996 Anechoic chambers Part 1: Shield attenuation measurements	Less than 100 dB of shielding from the external RF environment over a frequency range of 50 MHz to 18 GHz	
RVC Stirrer Lowest useable frequency	The field uniformity in the working volume of the RVC must comply with the IEC 61000-4-21 Electromagnetic Compatibility (EMC) Part 4-21	The lowest useable frequency (LUF) of the RVC less than 140 MHz	
Foundations size	Dimensions of foundation, measured with tape measure	Sizes as per specification SSA-008N-04B-002	
Electrical Installation	Inspection as per SANS 10142-1:2017 The wiring of premises Low voltage installations	No Certificate of Completion (CoC) issued	
Modular Building	Dimensions of building, industry standard measurement	Sizes as per SSA-008N-04B-004	

**22A Breach of Contract**

***Insert a new clause numbered Clause 22A, as follows:***

22A.1	If a Party commits a Material Breach of any provision of this Agreement, and the breach is capable of remedy, the other Party may call in writing on the Party in breach to remedy the breach within a period of 5 (five) days from receipt of such notification.
22A.2	If the breach remains unremedied after the aforesaid notice period has expired, the Party calling on the Party in breach will be entitled, but not compelled, to either terminate this Agreement with immediate effect by written notice to the Party in breach and without prejudice to any of its rights to recover direct loss or direct damage or demand specific performance by the Party in breach.
22A.3	It is further recorded that in the event of any of the Service Provider's Personnel misbehaving in any manner which is not acceptable to the Client, such misbehaviour shall not constitute a breach of this Agreement and the Service Provider undertakes, subject to a written request from the Client detailing proper and due reasons, to remove such personnel from the Client's Premises, provided that such behaviour or acts of the Service Provider's Personnel are not in direct contravention of any obligation placed on the Service Provider in terms of this Agreement.

**23 Termination for Default**

***Substitute Clause 23.1 in its entirety with the following:***

23.1	Either Party shall have the right, without prejudice to its other rights and remedies, to terminate this Agreement forthwith by written notice to the other Party if such other Party-
23.1.1	commits a Material Breach of any provision of this Agreement, and the breach is incapable of remedy;
23.1.2	is unable to pay its debts or becomes commercially insolvent or commits any act of insolvency;
23.1.3	is the subject of any order made or a resolution passed for the administration, winding-up or dissolution for reasons or purposes other than a solvent amalgamation or restructuring;
23.1.4	has an administrative or other receiver, manager, trustee, liquidator, administrator, or similar officer appointed over all or any substantial part of its assets;
23.1.5	enters into or proposes any composition or arrangement with its creditors generally;
23.1.6	files and/or receives an application or resolution for business rescue and/or is placed under business rescue pursuant to the sections of the Companies Act, No. 71 of 2008;
23.1.7	is the subject of any events or circumstances analogous to the foregoing in any applicable jurisdiction.

***Add the following new clause after Clause 23.1:***

23.2	Should this Agreement be terminated only in respect of any one or more Services as provided for herein for any reason, this Agreement shall, unless otherwise mutually agreed to in writing between the Parties, remain in full force and effect in respect of the remainder of Services as set out in this Agreement.
<b><i>In light of the addition of a new Clause 23.2, the original Clauses 23.2 – 23.7 shall be renumbered as Clauses 23.3 – 23.8 and “terminates” in 23.3 and 23.4 amended to “terminates for default”.</i></b>	
<b><i>Add the following clauses after Clause 23 -</i></b>	
<b>23A</b>	<b>Termination after the expiry of the Initial Period</b>
23A.1	In the event of the Client intending to terminate the Agreement after the expiry of the Initial Period, the Client shall issue the Service Provider with a termination notice at least six (6) months before the expiry of the Initial Period of its intention to terminate.
<b>23B</b>	<b>Termination by Agreement</b>
23B.1	In the event of either Party intending to terminate this Agreement other than in the circumstances stipulated in Clauses 22A, 23, 23A and 25, such Party shall seek consent, in writing, from the other Party, which consent shall not be unreasonably withheld.
23B.2	The Party intending to terminate the Agreement as envisaged in Clause 23B.1 shall seek consent, provided that the request to terminate has been approved in writing by the other Party, and the Agreement shall not be terminated less than six (6) months from the date of such written approval being given.
<b>25</b>	<b>Force Majeure</b>
<b><i>Substitute Clause 25 in its entirety with the following -</i></b>	
25.1	Neither Party shall be liable, or liable for failure to perform its obligations, under this Agreement if the failure results from any Force majeure event.
25.2	In the event of a force majeure event, the Party whose performance is affected by such event shall promptly notify the other Party in writing of such event, and the cause thereof. Unless otherwise directed by the Client in writing, the Service Provider shall continue to perform its obligations under the contract as far as is reasonably practical, and shall use its best endeavours to seek all reasonable alternative means for performance not prevented by the Force majeure event.
25.3	Should any Force majeure event persist for a continuous period of one (1) month, either Party shall have the right to terminate the Agreement with immediate effect.
<b>28</b>	<b>Limitation of Liability</b>
<b><i>Substitute Clause 28 in its entirety with the following -</i></b>	
28.1	Notwithstanding anything to the contrary elsewhere indicated, stated or provided for although subject always to Clause 28.2 below, the Parties agree and the Client and NRF (hereinafter individually and or collectively referred to as “the Client”) acknowledge that: -
28.1.1	the function of the Services provided by the Service Provider is to minimise, and not eliminate or prevent, the risk of Loss to property or person. The Service Provider will use all reasonable endeavours to minimise Loss to the Client but gives no warranty and has made no representation that the Services or the Service Provider’s personnel will be able to eliminate any such Loss;
28.1.2	the Service Provider shall be liable to the Client for Loss (from whatsoever cause arising and whether delictual or contractual) sustained by the Client only if such Loss is sustained as a direct proven result of the negligence, wilful act or wilful omission to act of the Service Provider or its Personnel, and any liability which the Service Provider does incur to the Client under or in connection with this Agreement shall be limited to, and shall in no circumstances whatsoever exceed the total contract price under this Agreement. Thus, the total amount that can be claimed by the Client from the Service Provider for the duration of this Agreement is equal to, in aggregate, the total contract price under this Agreement;
28.1.3	under no circumstances whatsoever shall the Service Provider be liable for any indirect, special, incidental, punitive or consequential Loss (from whatsoever cause arising and whether delictual or contractual), under or in connection with this Agreement;
28.1.4	where the Client or the Client’s Personnel (including Third Party Suppliers or Contractors) is reasonably suspected of having been involved, by collusion or otherwise, in any claim, the Service Provider’s maximum liability shall not exceed fifty percent (50%) of the total amount claimed;
28.1.5	the Service Provider and the Service Provider’s Personnel shall not be liable to the Client or the Client’s Personnel in any circumstances or to any extent whatsoever in respect of any Loss unless written notice of a claim is received by the Service Provider within seven (7) days of the discovery by the Client or the Client’s Personnel of the Loss alleged to give rise to any such claim;
28.1.6	the Services are rendered to the Client in respect of the Client Premises and the assets of the Client, or the assets of Third Parties held on their behalf by the Client only and do not extend to any portion of the Client Premises which are occupied by Third Parties nor to the assets of Third Parties otherwise than as contemplated herein unless specifically agreed to in writing between the Parties.
28.2	In the event that the Service Provider performs a risk analysis of the Client Premises, property or person and recommends or suggests preventative measures to the Client to address such risks (“risk analysis”) or the Service Provider provides a written copy of the risk analysis to the Client within a reasonable period after finalizing the risk analysis then neither the Service Provider nor the Service Provider’s Personnel shall be liable to the Client, the Client’s Personnel or any Third Party for any Loss whether direct, indirect, special,

	incidental, punitive or consequential and the Client hereby indemnifies and agrees to hold the Service Provider and its personnel harmless in respect of all claims emanating from, caused by or arising out of any such Loss to the extent that same is attributable to the failure by the Client or its personnel to address or rectify any of the risks identified in the risk analysis.
28.3	This clause 28 shall survive completion, termination or cancellation of this Agreement for whatsoever reason or cause.
<b>31</b>	<b>Notices</b>
<b>Substitute Clause 31 with the following -</b>	
<b>31.1</b>	Any notice, request, consent, approvals or other communications made between the Parties pursuant to the Contract shall be in writing and forwarded to the addresses specified in the contract and may be given as set out hereunder and shall be deemed to have been received when:
31.1.1	Hand delivered – on the day of delivery;
31.1.2	Registered mail – five (5) working days after mailing;
31.1.3	Email – after it has been sent
<b>Add the following clauses after clause 34 -</b>	
<b>35</b>	<b>Whole Agreement</b>
35.1	The Agreement between the Parties shall inter alia comprise of the following documents –
35.1.1	the Bid Document;
35.1.2	these Special Conditions of Contract, as renegotiated by the Parties;
35.1.3	the Service Provider’s bid submission in response to Bid Ref: NRF/SARAO RFI/24/2022-23;
35.1.4	the Service Provider’s bid price submission in response to Bid Ref: NRF/SARAO RFI/24/2022-23;
35.1.5	any Annexures, Schedules or Addendums referred to in the abovementioned documents.
35.2	In the event of a conflict between the General Conditions of Contract and the Special Conditions of Contract, the latter will prevail.
35.3	The Agreement documentation as referred to in Clause 35.1 above, subject to Clause 35.2 above, supersedes and replaces any prior arrangements, agreements and understandings of any nature whatsoever that may exist between the Parties with regards to any aspect, matter or thing referred to herein and shall be the sole recordal device of the Parties’ rights and obligations <i>vis-à-vis</i> each other, in relation to the subject matter hereof.
<b>36</b>	<b>Occupational Health and Safety when working on SARAO sites</b>
36.1	The Service Provider’s personnel performing work at the Client’s Premises as part of this Agreement are required to undergo safety induction.
36.2	Over and above the obligations required by the Occupational Health and Safety Act (OHS Act No 85 of 1993 and its Regulations, (‘the Act’), the Service Provider will be required to comply with all relevant health and safety written instructions given to them by the Client’s site safety Personnel, where relevant. Personal protection equipment, including closed safety shoes, hard hats, height safety equipment, and high visibility vests must be worn at all times while on the work site. The Service Provider’s Personnel are to obey all reasonable instructions, including signage, related to restricted access and speed limits on the Client Premises.
36.3	The Service Provider, once signing the Agreement, is responsible for itself, its employees, and all persons affected by its operations in terms of the Act and regulations promulgated in terms thereof. The Service Provider must perform all work and use equipment on site in compliance with the provisions of the Act.
36.4	Where applicable, the Service Provider must submit its Letter of Good Standing in terms of the COID Act to the Client, and must ensure that it remains valid for the Initial Period.
36.5	Where applicable, the Service Provider must maintain a health and safety plan complying with the requirements of the Act at the Client Premises during the period that the Services are rendered at the Client’s Premises.
36.6	The Client will manage the Service Provider in its capacity to execute this Agreement to meet the provisions of the Act and the Regulations promulgated in terms thereof. The Service Provider shall accept liability for any contraventions of the Act. Each member of the Service Provider’s team (including Personnel), must submit a signed indemnity form prior to entering the Client’s Premises, which must be kept in the Service Provider’s health and safety file.
36.7	<b>Covid Protocols</b>

36.7.1	All COVID-19 protocols required at the Purchaser's Premises, and the CSIR must be observed by the Supplier.
36.7.2	In accordance with the SARAO Employees and Visitors Access Control Procedure dated 22 April 2022, the protocols for visitors to any SARAO premises are as follows –
36.7.3	Short-stay visitors, meaning persons visiting any SARAO Cape Town Premises for less than one day, will be required to produce a Covid vaccination certificate before entry to the Premises, and if not vaccinated, a negative Covid Rapid ANTIGEN test result not older than 48 hours.
36.7.4	Short-stay visitors making deliveries will not be required to produce vaccination certificates or a Covid Rapid ANTIGEN test result, but they will not be allowed to proceed into the office. They will leave the delivery at the security desk.
36.7.5	Long-stay visitors, meaning persons visiting the SARAO Cape Town Premises for consecutive days, will be required to produce a Covid vaccination certificate before entry to the Premises, and if not vaccinated, a negative Covid Rapid ANTIGEN test result not older than 48 hours.
36.8	<b>International Visitors</b>
36.8.1	International visitors are required by the South African Government to produce a Covid vaccination certificate or a negative Rapid ANTIGEN test result in order to be admitted into the country.
36.8.2	Long-stay international visitors will be required to produce their Covid vaccination certificate or a negative Covid Rapid ANTIGEN test not older than 48 hours, prior to being admitted access to any SARAO Premises.

## GENERAL CONDITIONS OF CONTRACT (GCC)

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

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

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 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.
<b>GCC2</b>	<b>Application</b>
2.1	These general conditions are applicable to all bids, contracts and orders including bids for functional and professional services, sales, hiring, letting and the granting or acquiring of rights, but excluding immovable property, unless otherwise indicated in the bidding documents.
2.2	Where applicable, special conditions of contract are also laid down to cover specific supplies, services or works.
2.3	Where such special conditions of contract are in conflict with these general conditions, the special conditions shall apply.
<b>GCC 3</b>	<b>General</b>
3.1	Unless otherwise indicated in the bidding documents, the purchaser shall not be liable for any expense incurred in the preparation and submission of a bid. Where applicable a non-refundable fee for documents may be charged.
3.2	With certain exceptions (National Treasury's eTender website), invitations to bid are only published in the Government Tender Bulletin. The Government Tender Bulletin may be obtained directly from the Government Printer, Private Bag X85, Pretoria 0001, or accessed electronically from <a href="http://www.treasury.gov.za">www.treasury.gov.za</a>
<b>GCC 4</b>	<b>Standards</b>
4.1	The goods supplied shall conform to the standards mentioned in the bidding documents and specifications.
<b>GCC 5</b>	<b>Use of contract documents and information</b>
5.1	The supplier shall not, without the purchaser's prior written consent, disclose the contract, or any provision thereof, or any specification, plan, drawing, pattern, sample, or information furnished by or on behalf of the purchaser in connection therewith, to any person other than a person employed by the supplier in the performance of the contract. Disclosure made to any such employed person is in confidence and shall extend only as far as may be necessary for purposes of such performance.
5.2	The supplier shall not, without the purchaser's prior written consent, make use of any document or information mentioned in GCC clause 5.1 except for purposes of performing the contract.
5.3	Any document, other than the contract itself mentioned in GCC clause 5.1 shall remain the property of the purchaser and shall be returned (all copies) to the purchaser on completion of the supplier's performance under the contract if so required by the purchaser.
5.4	The supplier shall permit the purchaser to inspect the supplier's records relating to the performance of the supplier and to have them audited by auditors appointed by the purchaser, if so required by the purchaser.
<b>GCC6</b>	<b>Patent rights</b>
6.1	The supplier shall indemnify the purchaser against all third-party claims of infringement of patent, trademark, or industrial design rights arising from use of the goods or any part thereof by the purchaser.
<b>GCC7</b>	<b>Performance security</b>
7.1	Within thirty days (30) of receipt of the notification of contract award, the successful bidder shall furnish to the purchaser the performance security of the amount specified in SCC.
7.2	The proceeds of the performance security shall be payable to the purchaser as compensation for any loss resulting from the supplier's failure to complete his obligations under the contract.
7.3	The performance security shall be denominated in the currency of the contract, or in a freely convertible currency acceptable to the purchaser and shall be in one of the following forms: 7.3.1 bank guarantee or an irrevocable letter of credit issued by a reputable bank located in the purchaser's country or abroad, acceptable to the purchaser, in the form provided in the bidding documents or another form acceptable to the purchaser; or 7.3.2 cashier's or certified cheque.
7.4	The performance security will be discharged by the purchaser and returned to the supplier within thirty (30) days following the date of completion of the supplier's performance obligations under the contract, including any warranty obligations, unless otherwise specified in SCC.
<b>GCC8</b>	<b>Inspections, tests and analyses</b>
8.1	All pre-bidding testing will be for the account of the bidder.
8.2	If it is a bid condition that supplies to be produced or services to be rendered should at any stage during production or execution or on completion be subject to inspection, the

	premises of the bidder or contractor shall be open, at all reasonable hours, for inspection by a representative of the purchaser or an organization acting on behalf of the purchaser.
8.3	If there are no inspection requirements indicated in the bidding documents and no mention is made in the contract, but during the contract period, it is decided that inspections shall be carried out, the purchaser shall itself make the necessary arrangements, including payment arrangements with the testing authority concerned.
8.4	If the inspections, tests and analyses referred to in clauses 8.2 and 8.3 show the supplies to be in accordance with the contract requirements, the cost of the inspections, tests and analyses shall be defrayed by the purchaser.
8.5	Where the supplies or services referred to in clauses 8.2 and 8.3 do not comply with the contract requirements, irrespective of whether such supplies or services are accepted or not, the supplier shall defray the cost in connection with these inspections, tests, or analyses.
8.6	Supplies and services referred to in clauses 8.2 and 8.3 and which do not comply with the contract requirements may be rejected.
8.7	Any contract supplies may on or after delivery be inspected, tested or analysed and may be rejected if found not to comply with the requirements of the contract. Such rejected supplies are held at the cost and risk of the supplier who shall, when called upon, remove them immediately at his own cost and forthwith substitute them with supplies, which do comply with the requirements of the contract. Failing such removal the rejected supplies shall be returned at the suppliers cost and risk. Should the supplier fail to provide the substitute supplies forthwith, the purchaser may, without giving the supplier further opportunity to substitute the rejected supplies, purchase such supplies as may be necessary at the expense of the supplier.
8.8	The provisions of clauses 8.4 to 8.7 shall not prejudice the right of the purchaser to cancel the contract because of a breach of the conditions thereof, or to act in terms of Clause 23 of GCC.
<b>GCC9</b>	<b>Packing</b>
9.1	The supplier shall provide such packing of the goods as is required to prevent their damage or deterioration during transit to their final destination, as indicated in the contract. The packing shall be sufficient to withstand, without limitation, rough handling during transit and exposure to extreme temperatures, salt, and precipitation during transit, and open storage. Packing, case size and weights shall take into consideration, where appropriate, the remoteness of the goods' final destination and the absence of heavy handling facilities at all points in transit.
9.2	The packing, marking, and documentation within and outside the packages shall comply strictly with such special requirements as shall be expressly provided for in the contract, including additional requirements, if any, specified in SCC, and in any subsequent instructions ordered by the purchaser.
<b>GCC10</b>	<b>Delivery and Documentation</b>
10.1	Delivery of the goods shall be made by the supplier in accordance with the terms specified in the contract. The details of shipping and/or other documents to be furnished by the supplier are specified in SCC.
10.2	Documents submitted by the supplier specified in SCC.
<b>GCC11</b>	<b>Insurance</b>
11.1	The goods supplied under the contract shall be fully insured in a freely convertible currency against loss or damage incidental to manufacture or acquisition, transportation, storage and delivery in the manner specified in the SCC.
<b>GCC12</b>	<b>Transportation</b>
12.1	Should a price other than an all-inclusive delivered price be required, this shall be specified in the SCC.
<b>GCC13</b>	<b>Incidental services</b>
13.1	The supplier may be required to provide any or all of the following services, including additional services, if any, specified in SCC: 13.1.1 Performance or supervision of on-site assembly and/or commissioning of the supplied goods; 13.1.2 Furnishing of tools required for assembly and/or maintenance of the supplied goods; 13.1.3 Furnishing of a detailed operations and maintenance manual for each appropriate unit of the supplied goods; 13.1.4 Performance or supervision or maintenance and/or repair of the supplied goods, for a period of time agreed by the parties, provided that this service shall not relieve the supplier of any warranty obligations under this contract; and 13.1.5 Training of the purchaser's personnel, at the supplier's plant and/or on-site, conducted in assembly, start-up, operation, maintenance, and/or repair of the supplied goods.
13.2	Prices charged by the supplier for incidental services, if not included in the contract price for the goods, shall be agreed upon in advance by the parties and shall not exceed the prevailing rates charged to other parties by the supplier for similar services.
<b>GCC14</b>	<b>Spare parts</b>
14.1	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.
<b>GCC15</b>	<b>Warranty</b>
15.1	The supplier warrants that the goods supplied under the contract are new, unused, of the most recent or current models and those they incorporate all recent improvements in design and materials unless provided otherwise in the contract. The supplier further warrants that all goods supplied under this contract shall have no defect, arising from design, materials, or workmanship (except when the design and/or material is required by the purchaser's specifications) or from any act or omission of the supplier, that may develop

	under normal use of the supplied goods in the conditions prevailing in the country of final destination.
15.2	This warranty shall remain valid for twelve (12) months after the goods, or any portion thereof as the case may be, have been delivered to and accepted at the final destination indicated in the contract, or for eighteen (18) months after the date of shipment from the port or place of loading in the source country, whichever period concludes earlier, unless specified otherwise in SCC.
15.3	The purchaser shall promptly notify the supplier in writing of any claims arising under this warranty.
15.4	Upon receipt of such notice, the supplier shall, within the period specified in SCC and with all reasonable speed, repair or replace the defective goods or parts thereof, without costs to the purchaser.
15.5	If the supplier, having been notified, fails to remedy the defect(s) within the period specified in SCC, the purchaser may proceed to take such remedial action as may be necessary, at the supplier's risk and expense and without prejudice to any other rights, which the purchaser may have against the supplier under the contract.
<b>GCC16</b>	<b>Payment</b>
16.1	The method and conditions of payment to be made to the supplier under this contract shall be specified in SCC.
16.2	The supplier shall furnish the purchaser with an invoice accompanied by a copy of the delivery note and upon 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.
<b>GCC17</b>	<b>Prices</b>
17.1	Prices charged by the supplier for goods delivered and services performed under the contract shall not vary from the prices quoted by the supplier in his bid, with the exception of any price adjustments authorized in SCC or in the purchaser's request for bid validity extension, as the case may be.
<b>GCC18</b>	<b>Contract amendment</b>
18.1	No variation in or modification of the terms of the contract shall be made except by written amendment signed by the parties concerned.
<b>GCC19</b>	<b>Assignment</b>
19.1	The supplier shall not assign, in whole or in part, its obligations to perform under the contract, except with the purchaser's prior written consent.
<b>GCC20</b>	<b>Subcontract</b>
20.1	The supplier shall notify the purchaser in writing of all subcontracts awarded under this contract if not already specified in the bid. Such notification, in the original bid or later, shall not relieve the supplier from any liability or obligation under the contract
<b>GCC21</b>	<b>Delays in supplier's performance</b>
21.1	Delivery of the goods and performance of services shall be made by the supplier in accordance with the time schedule prescribed by the purchaser in the contract.
21.2	If at any time during performance of the contract, the supplier or its subcontractor(s) should encounter conditions impeding timely delivery of the goods and performance of services, the supplier shall promptly notify the purchaser in writing of the fact of the delay, its likely duration, and its cause(s). As soon as practicable after receipt of the supplier's notice, the purchaser shall evaluate the situation and may at his discretion extend the supplier's time for performance, with or without the imposition of penalties, in which case the extension shall be ratified by the parties by amendment of contract.
21.3	No provision in a contract shall be deemed to prohibit the obtaining of supplies or services from a national department, provincial department, or a local authority.
21.4	The right is reserved to procure outside of the contract small quantities or to have minor essential services executed if an emergency arises, the supplier's point of supply is not situated at or near the place where the supplies are required, or the supplier's services are not readily available.
21.5	Except as provided under GCC Clause 25, a delay by the supplier in the performance of its delivery obligations shall render the supplier liable to the imposition of penalties, pursuant to GCC Clause 22, unless an extension of time is agreed upon pursuant to GCC Clause 21.2 without the application of penalties.
21.6	Upon any delay beyond the delivery period in the case of a supplies contract, the purchaser shall, without cancelling the contract, be entitled to purchase supplies of a similar quality and up to the same quantity in substitution of the goods not supplied in conformity with the contract and to return any goods delivered later at the supplier's expense and risk, or to cancel the contract and buy such goods as may be required to complete the contract and without prejudice to his other rights, be entitled to claim damages from the supplier.
<b>GCC22</b>	<b>Penalties</b>
22.1	Subject to GCC Clause 25, if the supplier fails to deliver any or all of the goods or to perform the services within the period(s) specified in the contract, the purchaser shall, without prejudice to its other remedies under the contract, deduct from the contract price, as a penalty, a sum calculated on the delivered price of the delayed goods or unperformed services using the current prime interest rate calculated for each day of the delay until actual delivery or performance. The purchaser may also consider termination of the contract pursuant to GCC Clause 23.
<b>GCC23</b>	<b>Termination for default</b>
23.1	The purchaser, without prejudice to any other remedy for breach of contract, by written notice of default sent to the supplier, may terminate this contract in whole or in part: 23.1.1 If the supplier fails to deliver any or all of the goods within the period(s) specified in the contract, or within any extension thereof granted by the purchaser pursuant to GCC Clause 21.2; 23.1.2 If the supplier fails to perform any other obligation(s) under the contract; or 23.1.3 If the supplier, in the judgment of the purchaser, has engaged in corrupt or fraudulent practices in competing for or in executing the contract.
23.2	In the event the purchaser terminates the contract in whole or in part, the purchaser may procure, upon such terms and in such manner as it deems appropriate, goods, works or services similar to those undelivered, and the supplier shall be liable to the purchaser for any excess costs for such similar goods, works or services. However, the supplier shall continue performance of the contract to the extent not terminated.

23.3	Where the purchaser terminates the contract in whole or in part, the purchaser may decide to impose a restriction penalty on the supplier by prohibiting such supplier from doing business with the public sector for a period not exceeding 10 years.
23.4	If a purchaser intends imposing a restriction on a supplier or any person associated with the supplier, the supplier will be allowed a time period of not more than fourteen (14) days to provide reasons why the envisaged restriction should not be imposed. Should the supplier fail to respond within the stipulated fourteen (14) days the purchaser may regard the intended penalty as not objected against and may impose it on the supplier.
23.5	Any restriction imposed on any person by the Accounting Authority will, at the discretion of the Accounting Authority, also be applicable to any other enterprise or any partner, manager, director or other person who wholly or partly exercises or exercised or may exercise control over the enterprise of the first-mentioned person, and with which enterprise or person the first-mentioned person, is or was in the opinion of the Accounting Authority actively associated.
23.6	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 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.
<b>GCC24</b>	<b>Anti-dumping and countervailing duties and rights</b>
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.
SCC	No special condition applicable, unless specified elsewhere in this document.
<b>GCC25</b>	<b>Force Majeure</b>
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.
<b>GCC26</b>	<b>Termination for insolvency</b>
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.
<b>GCC27</b>	<b>Settlement of disputes</b>
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 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.
<b>GCC28</b>	<b>Limitation of liability</b>
28.1	Except in cases of criminal negligence or wilful misconduct, and in the case of infringement pursuant to Clause 6; 28.1.1 the supplier shall not be liable to the purchaser, whether in contract, tort, or otherwise, for any indirect or consequential loss or damage, loss of use, loss of production, or loss of profits or interest costs, provided that this exclusion shall not apply to any obligation of the supplier to pay penalties and/or damages to the purchaser; and 28.1.2 the aggregate liability of the supplier to the purchaser, whether under the contract, in tort or otherwise, shall not exceed the total contract price, provided that this limitation shall not apply to the cost of repairing or replacing defective equipment.

<b>GCC29</b>	<b>Governing language</b>
29.1	The contract shall be written in English. All correspondence and other documents pertaining to the contract that is exchanged by the parties shall also be written in English.
<b>GCC30</b>	<b>Applicable law</b>
30.1	The contract shall be interpreted in accordance with South African laws, unless otherwise specified in SCC.
<b>GCC31</b>	<b>Notices</b>
31.1	Every written acceptance of a bid shall be posted to the supplier concerned by registered or certified mail and any other notice to him shall be posted by ordinary mail to the address furnished in his bid or to the address notified later by him in writing and such posting shall be deemed to be proper service of such notice.
31.2	The time mentioned in the contract documents for performing any act after such aforesaid notice has been given, shall be reckoned from the date of posting of such notice.
<b>GCC32</b>	<b>Taxes and duties</b>
32.1	A foreign supplier shall be entirely responsible for all taxes, stamp duties, license fees, and other such levies imposed outside the purchaser's country.
32.2	A local supplier shall be entirely responsible for all taxes, duties, license fees, etc., incurred until delivery of the contracted goods to the purchaser.
32.3	No contract shall be concluded with any bidder whose tax matters are not in order. Prior to the award of a bid, the Department must be in possession of a tax clearance certificate, submitted by the bidder. This certificate must be an original issued by the South African Revenue Services.
<b>GCC33</b>	<b>National Industrial Participation Programme</b>
33.1	The NIP Programme administered by the Department of Trade and Industry shall be applicable to all contracts that are subject to the NIP obligation.
<b>GCC34</b>	<b>Prohibition of restrictive practices</b>
34.1	In terms of Section 4 (1) (b) (iii) of the Competition Act No. 89 of 1998, as amended, an agreement between, or concerted practice by, firms, or a decision by an association of firms, is prohibited if it is between parties in a horizontal relationship and if a bidder (s) is/are or a contractor(s) was/were involved in collusive bidding (or bid rigging).
34.2	If a bidder(s) or contractor(s), based on reasonable grounds or evidence obtained by the purchaser, has/have engaged in the restrictive practice referred to above, the purchaser may refer the matter to the Competition Commission for investigation and possible imposition of administrative penalties as contemplated in the Competition Act No. 89 of 1998.
34.3	If a bidder(s) or contractor(s), has/have been found guilty by the Competition Commission of the restrictive practice referred to above, the purchaser may, in addition and without prejudice to any other remedy provided for, invalidate the bid(s) for such item(s) offered, and/or terminate the contract in whole or part, and/or restrict the bidder(s) or contractor(s) from conducting business with the public sector for a period not exceeding ten (10) years and/or claim damages from the bidder(s) or contractor(s) concerned.

# PART B.1 – PRICING

## PRICING INSTRUCTIONS

1.	<b>Applicable Currency:</b> All prices shall be quoted in South African Rand.
2.	<b>Completion of Pricing Schedule:</b> Bidders shall complete the pricing schedule in full, inserting all the information required therein.  In addition to the pricing schedule in this bid document, bidders may prepare a more detailed pricing schedule should they wish to do so, and include this in their pricing proposal, provided that such additional pricing schedule is in line with the deliverables on the SARAO issued pricing schedule.
3.	<b>Applicability of Quoted Prices:</b> All quoted prices must remain firm for the duration of the contract, unless stipulated otherwise in the special conditions of contract.
4.	<b>Total Bid Cost:</b> Prices quoted must be inclusive of all applicable taxes including VAT, less all unconditional discounts, plus all costs to deliver the services and/or goods.
5.	<b>Fixed Price Bid:</b> All prices quoted must be fixed for the duration of the contract.
6.	<b>Bid Price Calculation:</b> Estimates of quantities are provided to allow for the calculation of a bid price that allows equal comparison between bidders.
7.	<b>Submission of Pricing:</b> Bidders must submit their pricing proposals in a password protected, unzipped electronic folder. The password must be emailed to <a href="mailto:tenders@sarao.ac.za">tenders@sarao.ac.za</a> . The pricing folder must be clearly labelled as such.

## PRICING SCHEDULE (SBD 3.3)

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

No	ITEMS	Type / Size	Qty	Cost per Item	TOTAL (Excluding VAT)
1	<b>Reverberation Chamber</b>				
a	Reverberation Chamber	9.0x5.0x2.8m	1		
b	Door	1.2 x 2.1m	1		
c	Interface Panel	As per spec	1		
d	Power Filer	As per spec	1		
e	Mode Stirrer	AS per Spec	1		
2	<b>Equipment Chamber</b>				
a	Equipment chamber	4.0x4.0x2.8m	1		
b	Door	1.2 x 2.1m	1		
c	Table (as per specification)	L-Shaped	1		
d	Interface Panel	As per spec	1		
e	Interface Panel	As per spec	1		
3	<b>Foundations</b>				
A	Levelling Area 1	15m x 10m	1		
B	Levelling Area 2	15m x 8m	1		
C	Foundation	15m x 10m	1		
4	<b>Electrical Installation</b>				
a	Connection to Klerefontein electrical supply	As per SANS	1		
b	Electrical Distribution Board	As per SANS	1		
c	1 Phase plugs in reverberation chamber	220VAC, 20A	4		
d	1 Phase plugs in equipment chamber	220VAC, 20A	4		
e	1 Phase plugs Office area	220VAC, 20A	6		
f	3 Phase plug in reverberation chamber	400VAC, 5KW	2		
g	3 Phase plug in equipment chamber	400VAC, 5KW	2		

i	Lights in Reverberation chamber	EMC Approved LED 10W	2		
j	Lights in equipment chamber	EMC Approved LED 7W	4		
k	Lights in Office area	LED tubes	4		
5	<b>Modular Building</b>				
A	Modular Building complete	15x10x4m	1		
B	Transport and Assembly		1		
6	<b>Engineering Management</b>		1		
a	Detail Design Drawings and Review	SARAO to Approve	1		
b	Monthly Progress Reports	Issued to SARAO 2 days prior to progress meetings	4		
c	Acceptance Test Procedure	SARAO Approved	1		
d	Acceptance Test Results (Table in Spec)	SARAO Accepted	1		
e	As Build Data Pack (As build drawings and detail specifications of any specialist equipment such s RFI filters)	SARAO Accepted	1		
f	User Manual and Training Course (User Manual to include all operating and maintenance instructions, 2-day training course to be presented based on the manual)	SARAO Accepted	1		
<b>SUB TOTAL</b>					
<b>VAT (15%)</b>					
<b>TOTAL BID PRICE</b>					

# PART C – RETURNABLE SCHEDULES

## SCHEDULE OF PROPOSED SUB-CONTRACTORS

We notify you that it is our intention to employ the following sub-contractors for work in this contract:

SUBCONTRACTORS			
Category/type	Subcontractor Name/Address/Contact Person/Phone/e-mail/Details of Organisation/Firm/ Experience	Items of work (pay items) to be undertaken by the sub-contractor	Estimated Cost of Work (Rand)
<b>TOTAL (Excluding VAT)</b>			

**NB: It is a Condition of Contract that the foundations and electrical work be sub-contracted, preferably to EMEs or QSEs within the Carnarvon area.**

Acceptance of this tender shall not be construed as approval of all or any of the listed sub-contractors. Should any of the sub-contractors not be approved subsequent to acceptance of the tender, this shall in no way invalidate this tender, and the tendered unit rates for the various items of work shall remain final and binding.

**SIGNED BY/ON BEHALF OF TENDERER:** \_\_\_\_\_

## INVITATION TO BID (SBD 1)

<b>Bid number</b>	NRF/SARAO RFI/24/2022-23		
<b>Closing date and time</b>	Friday, 15 July 2022 at 11.00AM		
The NRF recognises the date and time as recorded on its systems for closure purposes.			
<b>SUMMARY OF BID REQUIREMENTS</b>			
<b>CONSTRUCTION AND COMMISSIONING OF A RADIO FREQUENCY INTERFERENCE (RFI) MEASUREMENT FACILITY AT SKA KLEREFONTEIN SUPPORT BASE CONSISTING OF MODULE BUILDING, FOUNDATIONS AND SCREENED ROOMS</b>			
<b>Two envelope system</b>	Yes		
<b>Price validity period from date of closure</b>	Ninety (90) days		
<b>SUPPLIER INFORMATION</b>			
<b>Name of Bidder</b>			
<b>Postal Address</b>			
<b>Street Address</b>			
<b>Telephone Number</b>			
Code		Number	
<b>Cell Phone Number</b>			
Code		Number	
<b>Facsimile Number</b>			
Code		Number	
<b>E-Mail Address</b>			
<b>VAT Registration Number</b>			
<b>Tax Compliance Status</b>	Tax Compliance System PIN	<b>OR</b>	Central Supplier Database No. MAAA
<b>B-BBEE Status Level Verification Certificate</b>	Tick Applicable Box. <input type="checkbox"/> Yes <input type="checkbox"/> No	<b>B-BBEE Status Level Sworn Affidavit</b>	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]
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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 and special conditions of contract pertaining to this bid, the Preferential Procurement Policy Framework Act, 2000 and the Preferential Procurement Regulations, 2017, the General Conditions of Contract (GCC), and any other legislative requirements if applicable to this bid. These are included in this document thereby forming the contract between the NRF and the appointed/awarded bidder.
4.	The successful bidder will be required to fill in and sign the contract signature form (SBD7) for this contract.

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

## SBD 4 BIDDER'S DISCLOSURE

<b>1.</b>	<b>PURPOSE OF THE FORM</b>		
1.1	<p>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.</p> <p>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.</p>		
<b>2.</b>	<b>BIDDER'S DECLARATION</b>		
2.1	Is the bidder, or any of its directors / trustees / shareholders / members / partners or any person having a controlling interest <sup>1</sup> in the enterprise, employed by the State?	<b>YES / NO</b>	
2.1.1	If so, furnish particulars of the names, individual identity numbers, and, if applicable, state employee numbers of sole proprietor/ directors / trustees / shareholders / members/ partners or any person having a controlling interest in the enterprise, in table below -		
	<b>Full Name</b>	<b>Identity Number</b>	<b>Name of State Institution</b>
2.2	Do you, or any person connected with the bidder, have a relationship with any person employed by the procuring entity?	<b>YES / NO</b>	
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?	<b>YES / NO</b>	
2.3.1	If so, furnish particulars:		

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

<b>3.</b>	<b>DECLARATION</b>
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 understand the contents of this disclosure;
3.2	I understand that the accompanying bid will be disqualified if this disclosure is found not to be true and complete in every respect;
3.3	The bidder has arrived at the accompanying bid independently from, and without consultation, communication, agreement or arrangement with any competitor. However, communication between partners in a joint venture or consortium <sup>2</sup> will not be construed as collusive bidding.
3.4	In addition, there have been no consultations, communications, agreements or arrangements with any competitor regarding the quality, quantity, specifications, prices, including methods, factors or formulas used to calculate prices, market allocation, the intention or decision to submit or not to submit the bid, bidding with the intention not to win the bid and conditions or delivery particulars of the products or services to which this bid invitation relates.
3.5	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.

**CERTIFICATION**

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

I ACCEPT THAT THE STATE MAY REJECT MY 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.

.....  
Date

.....  
Signature

.....  
Position

.....  
Name of bidder

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

## SBD 6.1 - PREFERENCE POINTS CLAIM FORM

NB: Before completing this form, bidders must study the general conditions, definitions, and directives applicable in respect of B-BBEE, as prescribed in the Preferential Procurement Regulations, 2017.

### 1 General conditions

- 1.1 The following preference point systems are applicable to all bids:
- 1.1.1 The 80/20 system for requirements with a Rand value of up to R 50 000 000 (all applicable taxes included); and
- 1.1.2 The 90/10 system for requirements with a Rand value above R 50 000 000 (all applicable taxes included)
- 1.1.3 The maximum points for this bid are allocated as follows:

	POINTS
PRICE	80
B-BBEE STATUS LEVEL OF CONTRIBUTION	20
TOTAL POINTS FOR PRICE AND B-BBEE MUST NOT EXCEED	100

- 1.2 Failure on the part of a bidder to submit proof of B-BBEE Status level of contributor together with the bid will be interpreted to mean that preference points for B-BBEE status level of contribution are not claimed.
- 1.3 The purchaser reserves the right to require either of a bidder, before a bid is adjudicated or at any time subsequently, to substantiate any claim concerning preferences, in any manner required by the purchaser.
- 1.4 A maximum of 80 or 90 points is allocated for price on the following basis:

80/20 :	$P_s = 80 \left( 1 - \frac{P_t - P_{\min}}{P_{\min}} \right)$	OR	90/10 :	$P_s = 90 \left( 1 - \frac{P_t - P_{\min}}{P_{\min}} \right)$
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Where  $P_s$  = Points scored for price of bid under consideration  
 $P_t$  = Price of bid under consideration  
 $P_{\min}$  = Price of lowest acceptable bid

- 1.5 Points awarded for B-BBEE status level of contributor
- 1.5.1 In terms of Regulation 6 (2) and 7 (2) of the Preferential Procurement Regulations, preference points must be awarded to a bidder for attaining the B-BBEE status level of contribution in accordance with the table below:

B-BBEE Status Level of Contributor	1	2	3	4	5	6	7	8	Non-compliant contributor 0
Number of points (90/10 system)	10	9	6	5	4	3	2	1	
Number of points (80/20 system)	20	18	14	12	8	6	4	2	

### 2 Bid declaration

- 2.1 Bidders who claim points in respect of B-BBEE Status Level of Contribution must complete the following:

B-BBEE STATUS LEVEL	Level:
B-BBEE POINTS CLAIMED	Points

- 2.2 Points claimed in respect of paragraph 3 must be in accordance with the table reflected in paragraph 2 and must be substantiated by relevant proof of B-BBEE status level of contributor.

### 3 Sub-contracting

- 3.1 Will any portion of the contract be sub-contracted? (Tick applicable box)

YES	<input type="checkbox"/>	NO	<input type="checkbox"/>
-----	--------------------------	----	--------------------------

- 3.2 If yes, indicate:

1. What percentage of the contract will be subcontracted.....%
2. The name of the sub-contractor.....
3. The B-BBEE status level of the sub-contractor.....

- 3.3 Whether the sub-contractor is an EME or QSE? (Tick applicable box)

YES	<input type="checkbox"/>	NO	<input type="checkbox"/>
-----	--------------------------	----	--------------------------

3.4 Specify, by ticking the appropriate box, if subcontracting with an enterprise in terms of Preferential Procurement Regulations, 2017:

Designated Group: An EME or QSE which is at last 51% owned by:	EME <input checked="" type="checkbox"/>	QSE
		<input checked="" type="checkbox"/>
Black people		
Black people who are youth		
Black people who are women		
Black people with disabilities		
Black people living in rural or underdeveloped areas or townships		
Cooperative owned by black people		
Black people who are military veterans		
OR		
Any EME		
Any QSE		

**4 Declaration with regard to company/firm**

- 4.1 Name of company/firm: .....
- 4.2 VAT registration number: .....
- 4.3 Company registration number:.....
- 4.4 Type of company/ firm(Tick applicable box)

TYPE	Tick applicable box
Partnership/Joint Venture /Consortium	
One person business/sole proprietor	
Close corporation	
Company	
(Pty) Limited	

4.5 Describe principal business activities

.....  
 .....

4.6 Company classification (Tick applicable box)

TYPE	Tick applicable box
Manufacturer	
Supplier	
Professional service provider	
Other service providers, e.g. transporter, etc.	

4.7 Total number of years the company/firm has been in business: .....

**5 Bidder declaration**

I/we, the undersigned, who is / are duly authorised to do so on behalf of the company/firm, certify that the points claimed, based on the B-BBEE status level of contributor indicated in paragraphs 1 and 3 of the foregoing certificate, qualifies the company/ firm for the preference(s) shown and I / we acknowledge that:

- 1. The information furnished is true and correct;
- 2. The preference points claimed are in accordance with the General Conditions as indicated in paragraph 1 of this form;
- 3. In the event of a contract being awarded as a result of points claimed as shown in paragraphs 1 and 3, the contractor may be required to furnish documentary proof to the satisfaction of the purchaser that the claims are correct;

4. If the B-BBEE status level of contributor has been claimed or obtained on a fraudulent basis or any of the conditions of contract have not been fulfilled, the purchaser may, in addition to any other remedy it may have –
- (a) disqualify the person from the bidding 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 bidder or contractor, its shareholders and directors, or only the shareholders and directors who acted on a fraudulent basis, be restricted by the National Treasury 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.

WITNESSES

- 1. ....
- 2. ....

.....

SIGNATURE(S) OF BIDDERS(S)

DATE: .....

## **BID SIGNATURE (SBD 1)**

I, the bidder, warrant by signature as having read and accepted each page in this document including any annexures attached to this document. I undertake to supply all or any of the goods, works, and services described in this procurement invitation to NRF Corporate in accordance with the requirements and specifications stipulated in this bid 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, covering all my obligations and I accept that any mistakes regarding price(s), rate(s), and calculations are at my own risk. My offer remains binding upon me and open for acceptance by NRF Corporate during the validity period indicated and calculated from the closing time of bid invitation. I accept full responsibility for the proper execution and fulfilment of all obligations and conditions devolving on me in terms of this document as the principal liable for the due fulfilment of the subsequent contract conditions 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)

# PART D – BID ANNEXURES

<b>Drawing number</b>	<b>Drawing title</b>
N/A	N/A

  

<b>Annexure Number</b>	<b>Annexure Title</b>
Annexure A	SSA-008N-04B-001
Annexure B	SSA-008N-04B-002
Annexure C	SSA-008N-04B-003
Annexure D	SSA-008N-04B-004
Annexure E	SSA-008N-04B-005
Annexure F	SARAO COVID-19 Policy

  

<b>BIDDER ANNEXURES</b>	
<b>Annexure Number</b>	<b>Annexure Title</b>
N/A	N/A