



**National
Research
Foundation**

REQUEST FOR QUOTATIONS

RFQ DESCRIPTION:	SUPPLY, TESTING AND COMMISSIONING OF NEW FIBRE SERVICE TO THE CTHIS FIBRE SHELTER AT iTHEMBA LABS CAMPUS, CAPE TOWN		
RFQ NUMBER:	SARAO RFQ/SHAO/0103/2024		
CLOSING DATE:	Friday, 15 March 2024		
CLOSING TIME:	12.00PM		
BIDS SUBMITTED TO:	<u>anwuli@sarao.ac.za</u>		
PRICE & PREFERENCE POINTS SYSTEM:	80/20		
DELIVERY INFORMATION - RFQs must be submitted electronically to <u>anwuli@sarao.ac.za</u> .			
Bidding procedure enquiries may be directed to:		Technical enquiries may be directed to:	
Contact person	Anwuli Okecha (SCM)	Contact person	Thulani Fihlani (Project Management Unit)
E- Mail address	<u>anwuli@sarao.ac.za</u>	E- Mail address	<u>tfihlani@sarao.ac.za</u>
Telephone	021 506 7300	Telephone	021 506 7300
Note: SARAO staff work remotely intermittently, and therefore any enquiries relating to this Request for Quotations must be directed to the email addresses provided above			

SUPPLIER INFORMATION – SBD 1

Name of Bidder Name:						
Street Address:						
Telephone Number						
Code		Number				
Cell Phone Number						
Code		Number				
Facsimile Number						
Code		Number				
E-Mail Address						
VAT Registration Number						
Tax Compliance Status	Tax Compliance System PIN		OR	Central Supplier Database No.	MAAA	
B-BBEE Status Level Verification Certificate	Tick Applicable Box. <input type="checkbox"/> Yes <input type="checkbox"/> No		B-BBEE Status Level Sworn Affidavit	Tick Applicable Box. <input type="checkbox"/> Yes <input type="checkbox"/> No		
<p>[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]</p>						
Are you the accredited representative in South Africa for the goods/services/works offered?		<input type="checkbox"/> Yes <input type="checkbox"/> No [If yes enclose proof]	Are you a foreign-based supplier for the goods/services/works offered?		<input type="checkbox"/> Yes <input type="checkbox"/> No [If yes, answer the questionnaire below]	
Is the entity a resident of the Republic of South Africa (RSA)?				<input type="checkbox"/> Yes <input type="checkbox"/> No		
Does the entity have a branch in the RSA?				<input type="checkbox"/> Yes <input type="checkbox"/> No		
Does the entity have a permanent establishment in the RSA?				<input type="checkbox"/> Yes <input type="checkbox"/> No		
Does the entity have any source of income in the RSA?				<input type="checkbox"/> Yes <input type="checkbox"/> No		
Is the entity liable in the RSA for any form of taxation?				<input type="checkbox"/> Yes <input type="checkbox"/> No		
<p>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).</p>						

1. 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.

2. BACKGROUND TO SARAO AND THE CTHIS PROJECT

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.sarao.ac.za. More information about the international SKA project is available from www.skatelescope.org.

As a member of the international effort to build the Square Kilometre Array (SKA), which will be the world’s largest radio telescope, South Africa (through the NRF’s business units) is responsible for the construction and operation of the MeerKAT precursor telescope, for hosting the SKA Mid Frequency telescope, and for implementation of the African VLBI Network.

As part of its agreement to host the SKA_MID part of the project, SARAO has agreed to provide the Science Processing Centre (SPC), which will include all the facilities required to house the computing hardware for the SKA1_MID Science Data Processing (SDP), the SOC and new SARAO Headquarters, which forms part of the SKA_MID telescope. The SOC and new SARAO Headquarters will collectively be referred to as the Cape Town Operations Centre (CTOC), and the SPC and SRC will collectively be referred to as the High-Performance Computing Building (HPCB). The Cape Town Operations Centre (CTOC) and High-Performance Computing Building (HPCB) will form part of the Cape Town Hosting Infrastructure System (CTHIS) facilities.

SARAO has entered into a Co-Location Agreement (Co-LA) with iThemba LABS to facilitate the establishment of the CTHIS at iThemba LABS in Cape Town. SARAO and SKAO have identified a requirement to deploy a Fibre Shelter (FS) to facilitate the installation and testing of a new backhaul Fibre Cable to be installed as part of the CTHIS Facility. **As part of the deployed Fibre Shelter, SARAO requires the appointment of a qualified and registered service provider to supply, install, test and commission a new Fibre cable from the iThemba LABS communications room to the new Fibre Shelter.**



Figure 1: iThemba LABS Existing Fibre Infrastructure

The new Fibre cable will start from the iThemba Labs communications room; through M17; M16; M15; M14; M12; M13 and terminate at the Fibre Shelter (through the New R-1000 Manhole) as indicated on figure 1, above.

3. SERVICE SPECIFICATIONS

SARAO and SKAO have identified a requirement to deploy a Fibre Shelter (FS) to facilitate the installation and testing of a new backhaul Fibre Cable to be installed as part of the CTHIS Facility. As part of the deployed Fibre Shelter, SARAO requires the appointment of a qualified and registered service provider to supply, install, test and commission a new Fibre cable from the iThemba LABS communications room to the new Fibre Shelter.

Deliverables/ Requirements

The scope of work for this category may include, but is not necessarily limited to, the following components as listed below:

- trenching and Reinstatement of Soil and Grass,
- supply and install 110mm Sleeves
- supply and install 4-Way 14/10mm Duct
- Hauling of Duct
- supply and install splice Panel 24F LC/APC
- installation and Assembly of Panels
- supply and install Cable 24F SM
- installation and Floating of Fibre
- splicing Including Splice Protector and Testing
- Optical Time Domain Reflection Test (Printed Result)

- OLTS (Light source and power metre test)_Bi-directional
- supply and install Brush Panels, Glands, Labelling, Coupling
- supplying as-built drawings of the installation

Timelines

The commencement date will be confirmed following the contract award of the successful bidder. All drawings and reports shall be provided three (3) weeks after completion date.

Delivery format

All RFQ responses must be submitted to SARAO in electronic format (to anwuli@sarao.ac.za) on the closing date specified on cover page of this document.

4. EVALUATION METHOD

Phase 1:	Administrative Compliance - Submission of Returnable Documents and Schedules
Phase 2:	Compliance with Functionality Criteria
Phase 3:	Price and Preference Points System

PHASE 1 – ADMINISTRATIVE COMPLIANCE

All returnable documents indicated as mandatory must be completed or submitted in order for bidders to be evaluated in Phase 2.

Returnable Document/ Schedule	Measurement Methodology	Mandatory/ Optional)
SBD 1 – Invitation to Bid	Has the bidder completed and signed the SBD 1 Invitation to Bid form? Has the bidder provided its CSD number or/and a detailed CSD report?	Mandatory
SBD 3.1 – Pricing Schedule	Has the bidder submitted its price offer for the services offered?	Mandatory
SBD 4 – Bidder's Disclosure	Has the bidder completed and signed the SBD 4 form? Has the bidder made any disclosure which would preclude it from responding to this RFQ?	Mandatory
SBD 6.1 – Price and Preference Points Claim Form	Has the bidder completed and signed the SBD 6.1 form?	Mandatory
SBD 1 Form – Bid Signature	Has the bidder confirmed that its bid is validity submitted? Has the bidder signed the SBD1 form?	Mandatory
BBBEE certificate, or sworn affidavit detailing annual turnover and level of black ownership, in	Has the bidder submitted a valid B-BBEE certificate or sworn affidavit in order to claim preference points?	Mandatory (if points for preference

the case of EMEs and QSEs		claimed by the bidder)
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PHASE 2 – FUNCTIONALITY CRITERIA

No.	Functionality requirement	Weight	How this will be evaluated	Assessment (Go / No Go)
1.	The bidder must provide at least three (3) contactable references for similar work or services completed within the preceding 2 to 3 years	Mandatory	Submit references - These references must include recent contactable telephone numbers and email addresses, verifiable on company letterhead	
2.	Evidence of previous experience	Mandatory	Submit evidence of one or more similar project(s) completed by the bidder within the preceding 2 to 3 years, valued at least R200 000. The evidence may take the form of a copy of a completion certificate, or other appropriate and relevant evidence	
3.	Submit company profile	Mandatory	The company profile must clearly show the company's core activities. The profile must highlight the experience of the bidder in the supply and installation of fibre infrastructure (including but not limited to; cabling, splicing, etc.). It must also include a minimum of three (3) projects done in the last 2 to 3 years	
4.	Project works programme	Mandatory	Submit activities timelines schedule	

PHASE 3 – PRICE AND PREFERENCE

The RFQ will be evaluated on the 80/20 preference points system in terms of the Preferential Procurement Regulations, 2022.

5. PRICING SCHEDULE – SBD 3.1

NOTE: ONLY FIRM PRICES WILL BE ACCEPTED. NON-FIRM PRICES (INCLUDING PRICES SUBJECT TO RATES OF EXCHANGE VARIATIONS) WILL NOT BE CONSIDERED

IN CASES WHERE DIFFERENT DELIVERY POINTS INFLUENCE THE PRICING A SEPARATE PRICING SCHEDULE MUST BE SUBMITTED FOR EACH DELIVERY POINT

OFFER TO BE VALID FOR 30 DAYS FROM THE CLOSING DATE OF BID.

Respondents are requested to complete the pricing schedule below in response to this Scope of Work. If the respondent feels there are any additional items that should be priced but were not included as part of the original scope of work, please include them in a separate pricing schedule.

A detailed quotation must also be submitted that corresponds to the pricing schedule below. Please provide details on the type of fees and costs at each section.

Labour rates must be included in cost per line item below.

No.	Description	Unit	Quantity	Rate	Cost (Excl. VAT)
1.	Trenching and Reinstatement of Soil and Grass	m	30		
2.	110mm Sleeves	m	168		
3.	4-Way 14/10mm Duct	m	200		
4.	Installation of 110m Sleeves	m	168		
5.	Hauling of Duct	m	200		
6.	Panel 24F LC/APC	Item	2		
7.	Installation and Assembly of Panels	Item	2		
8.	Cable 24F SM	m	600		
9.	Installation and Floating of Fibre	m	600		
10.	Splicing Including Splice Protector and Testing	Item	48		
11.	Brush Panels, Glands, Labelling, Coupling	Item	1		
12.	Optical Time Domain Reflection Test (Printed Result)	Item	1		
13.	OLTS (Light source and power metre test)_Bi-directional	Item	1		
14.	Disbursements:	Item	1		

	(all-inclusive travel cost, travel time, accommodation, printing, copying, testing equipment, Lab tests, PPE, etc.):				
15.	Other related cost:	Item	1		
TOTAL					
VAT (15%)					
GRAND TOTAL					

6. BIDDING CONDITIONS

The following conditions will apply to this request for quotations:

1. Price(s) quoted must be valid for 30 days from date of your offer.
2. Price(s) quoted must be firm and must be inclusive of VAT, if applicable.
3. In order to claim points for specific goal, bidders are required to submit:
 - (i) proof of B-BBEE status level of contributor; or
 - (ii) for EMEs, a sworn affidavit confirming their annual total revenue of R10 million or less and level of black ownership; or
 - (iii) for QSEs, a sworn affidavit confirming their annual total revenue of between R10 million and R50 million and level of black ownership; or a B-BBEE level verification certificate.
4. **No award will be made to a service provider who is not registered on CSD.** To register, use the following link - <https://secure.csd.gov.za/>
5. SARAO reserves the right to withdraw or cancel any invitation to quote and re-advertise it; or to accept a part of it. SARAO does not bind itself to accept the lowest quotation.
6. This request for quotations is subject to the Preferential Procurement Policy Framework Act, 2000, the Preferential Procurement Regulations, 2022, the National Treasury General Conditions of Contract (GCC) and, if applicable, any other special conditions of contract.
7. Payment will be effected within 30 days of receipt and acceptance of the goods and the supplier's invoice.

SBD 4 BIDDER'S DISCLOSURE

PURPOSE OF THE FORM																										
1.1	Any person (natural or juristic) may make an offer or offers in terms of this invitation to bid. In line with the principles of transparency, accountability, impartiality, and ethics as enshrined in the Constitution of the Republic of South Africa and further expressed in various pieces of legislation, it is required for the bidder to make this declaration in respect of the details required hereunder. Where a person/s are listed in the Register for Tender Defaulters and / or the List of Restricted Suppliers, that person will automatically be disqualified from the bid process.																									
BIDDER'S DECLARATION																										
2.1	Is the bidder, or any of its directors / trustees / shareholders / members / partners or any person having a controlling interest ¹ in the enterprise, employed by the State?	YES / NO																								
2.1.1	If so, furnish particulars of the names, individual identity numbers, and, if applicable, state employee numbers of sole proprietor/ directors / trustees / shareholders / members/ partners or any person having a controlling interest in the enterprise, in table below -																									
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; width: 33%;">Full Name</th> <th style="text-align: left; width: 33%;">Identity Number</th> <th style="text-align: left; width: 33%;">Name of State Institution</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table>			Full Name	Identity Number	Name of State Institution																					
Full Name	Identity Number	Name of State Institution																								
2.2	Do you, or any person connected with the bidder, have a relationship with any person employed by the procuring entity?	YES / NO																								
2.2.1	If so, furnish particulars:																									
2.3	Does the bidder, or any of its directors / trustees / shareholders / members / partners or any person having a controlling interest in the enterprise have any interest in any other related enterprise whether or not they are bidding for this contract?	YES / NO																								
2.3.1	If so, furnish particulars:																									

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

3.	DECLARATION
<p>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 -</p>	
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 ² 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	

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

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

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

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

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

1. GENERAL CONDITIONS

- 1.1 The following preference point systems are applicable to invitations to tender:
 - the 80/20 system for requirements with a Rand value of up to R50 000 000 (all applicable taxes included); and
 - the 90/10 system for requirements with a Rand value above R50 000 000 (all applicable taxes included).
- 1.2 The applicable preference point system for this tender is the **80/20** preference point system.
- 1.3 Points for this tender (even in the case of a tender for income-generating contracts) shall be awarded for:
 - (a) Price; and
 - (b) Specific Goals.
- 1.4 The maximum points for this tender are allocated as follows:

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

- 1.5 Failure on the part of a tenderer to submit proof or documentation required in terms of this tender to claim points for specific goals with the tender, will be interpreted to mean that preference points for specific goals are not claimed.
- 1.6 The organ of state reserves the right to require of a tenderer, either before a tender is adjudicated or at any time subsequently, to substantiate any claim in regard to preferences, in any manner required by the organ of state.

2. DEFINITIONS

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

contracts through any method envisaged in legislation that will result in a legal agreement between the organ of state and a third party that produces revenue for the organ of state, and includes, but is not limited to, leasing and disposal of assets and concession contracts, excluding direct sales and disposal of assets through public auctions; and

(e) “the Act” means the Preferential Procurement Policy Framework Act, 2000 (Act No. 5 of 2000).

3. FORMULAE FOR PROCUREMENT OF GOODS AND SERVICES

3.1. POINTS AWARDED FOR PRICE

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

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

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

Where

Ps = Points scored for price of tender under consideration

Pt = Price of tender under consideration

Pmin = Price of lowest acceptable tender

4. POINTS AWARDED FOR SPECIFIC GOALS

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

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

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

DECLARATION WITH REGARD TO COMPANY/FIRM

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

4.2. Company registration number:

4.3. TYPE OF COMPANY/ FIRM

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

[TICK APPLICABLE BOX]

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

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

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

GENERAL CONDITIONS OF CONTRACT

The National Treasury General Conditions of Contract shall govern the contractual relationship between SARAO and the successful bidder. The contract is not attached, however is accessible on SARAO's website -<http://www.sarao.ac.za/tenders/procurement-documents>

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 SSARAO 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 SARAO 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: