REQUEST FOR QUOTATIONS

GOODS	✓
SERVICES	

DESCRIPTION:	SUPPLY AND DELIVERY OF VARIOUS CRYOGENIC COOLING EQUIPMENT FOR LNA TEST SYSTEM
RFQ NUMBER:	NRF SARAO SDIG9304-2
CLOSING DATE AND TIME:	22 APRIL 2021, 11AM
QUOTES TO BE SUBMITTED **VIA EAMIL TO:**	abowers@ska.ac.za
PREFERENCE POINTS SYSTEM:	80/20
DELIVERY INFORMATION - N/A	
LOCATION:	SARAO Office, 2 Fir Street, Black River Park, North Gate Entrance, Observatory. Cape Town.
LEAD TIME (purchase order date)	N/A

Enquiries relating to bidding procedures may be directed to:		**Technical enquiries may be directed to:**	
Contact person:	Ms. Amy Leigh Bowers	**Contact person:**	Mr. T. Makombore
E-Mail	abowers@ska.ac.za	**E-Mail**	tmakombore@ska.ac.za
Telephone		**Telephone No:**	

Note: Due to restrictions imposed by the National Lockdown, and our own internal safety measures, SARAO staff primarily work remotely, and therefore any enquiries relating to this Request for Quotations must be directed to the email addresses provided above.

SUPPLIER INFORMATION

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. ❑ Yes ❑No	**B-BBEE Status Level Sworn Affidavit**	Tick Applicable Box. ❑ Yes ❑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?	❑ Yes ❑No [If yes enclose proof]	**Are you a foreign-based supplier for the goods/services/works offered?**	❑ Yes ❑No [If yes, answer the questionnaire below]

Is the entity a resident of the Republic of South Africa (RSA)?	❑ Yes ❑No
Does the entity have a branch in the RSA?	❑ Yes ❑No
Does the entity have a permanent establishment in the RSA?	❑ Yes ❑No
Does the entity have any source of income in the RSA?	❑ Yes ❑No
Is the entity liable in the RSA for any form of taxation?	❑ Yes ❑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).

1. INTRODUCTION TO SARAO

The South African Radio Astronomy Observatory (SARAO, formerly in part SKA SA) is the business unit of the National Research Foundation (NRF) that houses and operates South Africa's national radio telescope shared facilities, including the MeerKAT, KAT-7, and Hartbeeshoek 26-m radio telescopes.

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.

The SARAO project office has offices based in Johannesburg and Cape Town, as well as the radio-quiet SKA host site in the Karoo, 90km from Carnarvon in the Northern Cape, which hosts the Square Kilometre Array mid-frequency telescopes, MeerKAT, and KAT-7 radio telescope installations, as well as a number of guest instruments, including the HERA telescope.

2.PRE-QUALIFICATION CRITERIA

Where indicated as applicable in the table below, only bidders who meet the pre-qualification criteria specified may respond to this RFQ. Failure to comply with the pre-qualification criteria set will result in an automatic disqualification.

PREQUALIFICATION ELIGIBILITY CRITERIA	
BBBEE Status Level of Contributor	
Minimum BBBEE status level required:	
EMEs or QSEs	
EME / QSE:	
Bidders subcontracting a minimum of 30% of the work to designated groups	
An EME or QSE which is at least 51% owned by black people:	
An EME or QSE which is at least 51% owned by black people who are youth:	
An EME or QSE which is at least 51% owned by black people who are women:	
An EME or QSE which is at least 51% owned by black people with disabilities:	
An EME or QSE which is at least 51% owned by black people living in rural or underdeveloped areas or townships:	
A cooperative which is at least 51% owned by black people:	
An EME or QSE which is at least 51% owned by black people who are military veterans:	
An EME or QSE:	

3. SUPPLY SPECIFICATIONS

SARAO invites the submission of quotations for the supply and delivery of various Cry cooling Equipment for Cryogenic LNA Test System.

Specifications should include but not be limited to:

No	Item Description & Specification	Quantity
1	Two Stage Cold Head: Coolstar 6/30 Deliver cooling power of 6 W at 20 K and 30 W at 77 K simultaneously. Should reach a base temperature of 10K. The coldheads function independently of orientation, and should be used with the Compressor listed as item no2. [below]	1
2	K450 Helium Compressor Electrical requirements • Supply Voltage: 200 – 240 V @ 50 Hz, 208 – 230 V @ 60 Hz • Operating Current: 17.0 A @ 240 V, 15.7 A @ 230 V • Operating Power: 3.4 kW • Supply Fuse Rating: 20 A (Locked Rotor Current: 60 A) Cooling water requirements • 3 kW chiller cooling power • 2-6 l/min regulated flow rate depending on temperature • 2-7 Bar (29-101 PSI, at point of delivery) regulated supply pressure • +8 to +26°C supply temperature depending on flow rate • pH 6.0 to pH 8.0 • Particle size < 300 µm • It is recommended that the user's water cooling circuit has a suitable filter fitted upstream of the K450 to prevent fouling of the heat exchangers • Maximum 75 parts per million Calcium Carbonate concentration • Cooling water points and connectors (1/2" bore reinforced plastic hose and connectors provided	1
3	Power Cable 3.5m equivalent to Coolstar Range Coldhead	1
4	Cable Mount Plug, 32A, 230V, BS4343 , 2P+E, Blue	1
5	Pair of Helium Gas Lines 3m (40W coolers)	1
6	Corrugated Case Stitched 740CA FLUTE 680 x 460 x 355mm Controller	1
7	Delivery to Cape Town Office , Black River Park.	1

4. EVALUATION PROCESS

The RFQ will be evaluated in the following three phases:

Phase 1:	Administrative compliance / submission of all returnable documents and completion of all returnable schedules
Phase 2:	Price and BBBEE evaluation

Phase 1 – Administrative Compliance

All returnable documents marked mandatory ('M'), must be completed or submitted by service providers in order to proceed to be evaluated further in Phase 2.

Returnable Document/ Schedule	Page Reference	Mandatory (M) / Optional (O)
Signed SBD 1 form	Page 2	**M**
Signed and completed SBD 3.1 form (pricing schedule)	Page 6-7	**M**
Signed and completed SBD 4 form	Page 8-10	**M** (=> R 10 000)
Signed and completed SBD 6.1 form	Page 10-13	**M** (=>30 000)
Signed and completed SBD 8 form	Page 13	**M** (=>R30 000)
Signed and completed SBD 9 form	Page 14-15	**M** (=>R30 000)
Original or certified BBBEE certificate, or sworn affidavit detailing annual turnover, in the case of EMEs and QSEs		**O** (preference points will not be allocated if not submitted)
Declaration Certificate for local Production and Content	N/A	**N/A**

Phase 3 – Price and BBBEE Status Level Scoring

The RFQ will be evaluated on the 80/20 preference points system.

5. PRICING SCHEDULE – PURCHASES (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 Specifcations. If the respondent feels there are any additional items that should be priced but were not included as part of the original specification, please include them in a separate pricing schedule.

ITEM NO.	DESCRIPTION	QUANTITY	RATE PER ITEM	TOTAL
1.	Two Stage Cold Head: Coolstar 6/30	1		
2.	K450 Helium Compressor/ equivalent	1		
3	Power Cable 3.5m equivalent to Coolstar Range Coldhead	1		
4	Cable Mount Plug, 32A, 230V, BS4343 , 2P+E, Blue	1		
5	Pair of Helium Gas Lines 3m (40W coolers)	1		
6	Corrugated Case Stitched 740CA FLUTE 680 x 460 x 355mm Controller	1		
7	Delivery to Cape Town Office , Black River Park.	1		
			SUB-TOTAL	R
			VAT (15%)	R
			TOTAL PRICE	R

6. BIDDING CONDITIONS FOR THIS RFQ

The following conditions will apply to this request for quotations:

1) Price(s) quoted must be valid for at least 30 (30) days from date of your offer.
2) Price(s) quoted must be firm and must be inclusive of VAT, if applicable.
3) The bidder is required to submit:
   a) proof of B-BBEE Status Level of contributor,
   b) An EME is required to submit a sworn affidavit confirming their annual total revenue of R10 million or less and level of black ownership to claim
   c) A QSE is required to submit 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 to claim points
4) However, where pre-qualification on the basis of BBBEE status level applies, failure to submit a BBBEE certificate or sworn affidavit will result in automatic disqualification of the RFQ submission.
5) **No award will be made to a service provider who is not registered on CSD**. To register https://secure.csd.gov.za/.
6) Quotations equal to above R 10 000 (VAT included) must be accompanied by the relevant SBD documentation as per section 3 of this document for Quotations duly completed.
7) The successful provider will be the one scoring the highest points in the event of the lowest bid being higher than R30 000.00.
8) For goods/ services below R 30 000 the successful bidder will be one with cheapest acceptable quotation.
9) SARAO reserves the right to withdraw any invitation to quote and/or to re-advertise or to accept a part of it. SARAO does not bind itself to accepting the lowest quotation.
10) This request for quotations is subject to the Preferential Procurement Policy Framework Act, 2000, the Preferential Procurement Regulations, 2017, the National Treasury general conditions of contract (GCC) and, if applicable, any other special conditions of contract.

SBD 4 - DECLARATION OF INTEREST WITH GOVERNMENT

Any legal person, including persons employed by the State (meaning any national or provincial department; national or provincial public entity; or constitutional institution within the meaning of the Public Finance Management Act, 1999 (Act No. 1 of 1999); any municipality or municipal entity; provincial legislature; National Assembly or the National Council of Provinces; or National Parliament), or persons having a kinship with persons employed by the State, including a blood relationship, may make an offer or offers in terms of this invitation to Bid (includes an advertised competitive Bid, a limited Bid, a proposal or written price quotation). In view of possible allegations of favouritism, should the resulting Bid, or part thereof, be awarded to persons employed by the State, or to persons connected with or related to them, it is required that the Bidder or his/her authorised representative, declare his/her position in relation to the evaluating/adjudicating authority where:

a. The Bidder is employed by the State; and/or
b. The legal person on whose behalf the Bidding Document is signed, has a relationship with persons/s person who is/are involved in the evaluation and or adjudication of the Bid(s), or where it is known that such a relationship exists between the person or persons for or on whose behalf the declarant acts and persons who are involved with the evaluation and/or adjudication of the Bid.

In order to give effect to the above, the following questionnaire must be completed and submitted with this Bid:

Full Name of Bidder or his/her representative:	
Identity Number:	
Position occupied in the Company (director, trustee, shareholder, member):	
Registration number of company, enterprise, close corporation, partnership agreement:	
Tax Reference Number:	
VAT Registration Number:	

The names of all directors/trustees/shareholders/members, their individual identity numbers, tax reference numbers and, if applicable, employee/PERSAL numbers must be indicated in a separate schedule including the following questions:	
Schedule attached with the above details for all directors/members/shareholders	
Are you or any person connected with the Bidder presently employed by the State? If so, furnish the following particulars in an attached schedule	❑Yes ❑ No
Name of person/ director/ trustee/ shareholder/member:	
Name of State institution at which you or the person connected to the Bidder is employed	
Position occupied in the State institution	
Any other particulars:	
If you are presently employed by the State, did you obtain the appropriate authority to undertake remunerative work outside employment in the public sector?	❑Yes ❑ No
If Yes, did you attach proof of such authority to the Bid document?	
If No, furnish reasons for non-submission of such proof as an attached schedule	
(Note: Failure to submit proof of such authority, where applicable, may result in the disqualification of the Bid.)	
Did you or your spouse or any of the company's directors/ trustees /shareholders /members or their spouses conduct business with the State including any business units of the National Research Foundation in the previous twelve months?	❑Yes ❑ No
If so, furnish particulars as an attached schedule	
Do you, or any person connected with the Bidder, have any relationship (family, friend, other) with a person employed by the State and who may be involved with the evaluation and or adjudication of this Bid?	❑Yes ❑ No
If so, furnish particulars as an attached schedule	
Do you or any of the directors/ trustees/ shareholders/ members of the company have any interest in any other related companies whether or not they are bidding for this contract?	❑Yes ❑ No
If so, furnish particulars as an attached schedule	

SBD 6.1 - PREFERENCE POINTS CLAIMED

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 :	$Ps = 80\left(1 - \frac{Pt - P\min}{P\min}\right)$	OR	90/10 :	$Ps = 90\left(1 - \frac{Pt - P\min}{P\min}\right)$

Where Ps = Points scored for price of bid under consideration
Pt = Price of bid under consideration
Pmin = 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
Number of points (90/10 system)	10	9	6	5	4	3	2	1	0
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		NO	

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		NO	

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√	QSE√
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.

SBD 8 - DECLARATION OF BIDDER'S PAST SCM PRACTICES

Is the Bidder or any of its directors listed on the National Treasury's Database of Restricted Suppliers as companies or persons prohibited from doing business with the public sector? If Yes, furnish particulars as an attached schedule:	❑ Yes ❑ No
Is the Bidder or any of its directors listed on the Register for Tender Defaulters in terms of Section 29 of the Prevention and Combating of Corrupt Activities Act (No 12 of 2004)? If Yes, furnish particulars as an attached schedule:	❑ Yes ❑ No
Was the Bidder or any of its directors convicted by a court of law (including a court outside of the Republic of South Africa) for fraud or corruption during the past five years? If Yes, furnish particulars as an attached schedule:	❑ Yes ❑ No
Was any contract between the Bidder and any NRF terminated during the past five years because of failure to perform on or comply with the contract? If Yes, furnish particulars as an attached schedule:	❑ Yes ❑ No
The Database of Restricted Suppliers and Register for Tender Defaulters resides on the National Treasury's website (www.treasury.gov.za) and can be accessed by clicking on its link at the bottom of the home page.	

SBD 9: CERTIFICATE OF INDEPENDENT BID DETERMINATION

I, the signatory to this document, in submitting this Bid in response to the invitation for the Bid made by the National Research Foundation, do hereby make the following statements that I certify to be true and complete in every respect:

(a) I have read and I understand the contents of this Certificate;

(b) I understand that the Bid will be disqualified if this Certificate is found not to be true and complete in every respect;

(c) I am authorised by the Bidder to sign this Certificate, and to submit the Bid, on behalf of the Bidder;

(d) Each person whose signature appears on the Bid has been authorised by the Bidder to determine the terms of, and to sign, the Bid on behalf of the Bidder;

For the purposes of this Certificate and the accompanying Bid, I understand that the word "competitor" shall include any individual or organisation, other than the Bidder, whether or not affiliated with the Bidder, who:

a. Has been requested to submit a Bid in response to this Bid invitation;
b. Could potentially submit a Bid in response to this Bid invitation, based on their qualifications, abilities or experience; and
c. Provides the same goods and services as the Bidder and/or is in the same line of business as the Bidder

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 (meaning an association of persons for combining their expertise, property, capital, efforts, skill, and knowledge in an activity for the execution of the bid) will not be construed as collusive bidding.

In particular, without limiting the generality of paragraphs above, there has been no consultation, communication, agreement or arrangement with any competitor regarding:

a. Prices;
b. Geographical area where product or service will be rendered (market allocation);
c. Methods, factors or formulas used to calculate prices;
d. The intention or decision to submit or not to submit, a Bid;
e. The submission of a Bid which does not meet the specifications and conditions of the Bid; or
f. Bidding with the intention not to win the Bid.

In addition, there have been no consultations, communications, agreements, or arrangements with any competitor regarding the quality, quantity, specifications and conditions or delivery particulars of the products or services to which this Bid invitation relates.

The terms of this Bid have not been, and will not be, disclosed by the Bidder, directly or indirectly, to any competitor, prior to the date and time of the official Bid opening or of the awarding the bid or to the signing of the contract.
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
Signature of bidder:

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: