



TENDER DESCRIPTION:

**APPOINTMENT OF A CONTRACTOR TO REMOVE INTERNAL
FENCES AT SANPARKS NATIONAL PARK, NORTHERN CAPE
FOR A PERIOD OF 12 MONTHS**

BID NO: NRF/SARAO PEP6/10/2022-23

Closing Date: Friday, 27 May 2022

NAME OF BIDDER: _____

CSD NUMBER: _____

GENERAL TENDER INFORMATION

TENDER DESCRIPTION	:	APPOINTMENT OF A CONTRACTOR TO REMOVE INTERNAL FENCES AT SANPARKS NATIONAL PARK, NORTHERN CAPE FOR A PERIOD OF 12 MONTHS
CIDB CONTRACTOR GRADING	:	It is estimated that contractors must have a CIDB contractor grading of 3GB or higher, or 3SQ or higher. Potentially emerging contractors who satisfy criteria stated in the Tender Data may submit tender offers
COMPULSORY BID CLARIFICATION MEETING	:	A compulsory virtual bid clarification meeting will be held on Monday, 9 May 2022 at 10.00AM. To register in advance for the briefing session, click on the following link: https://ska.zoom.us/join/958254282 After registering, you will receive a confirmation email containing information about joining the meeting.
CLOSING DATE AND TIME	:	Friday, 27 May 2022 at 11:00AM
SUBMISSION INSTRUCTIONS	:	<u>Electronic submissions</u> must be sent to tenders@sarao.ac.za Bids must be submitted in two separate electronic folders, one with the compliance and technical response, and the second with the financial response. Technical submission must be in searchable PDF format. 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.

TENDERER'S REPRESENTATIVE CONTACT INFORMATION:

NAME OF TENDERER:

CONTACT PERSON:

TELEPHONE NUMBER: CODE.....NUMBER.....

CELL PHONE NUMBER:

E MAIL ADDRESS:

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T1: Tendering Procedures

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T1.1 TENDER NOTICE AND INVITATION TO TENDER

APPOINTMENT OF A CONTRACTOR TO REMOVE INTERNAL FENCES AT THE SAN PARKS NATIONAL PARK, NORTHERN CAPE FOR A PERIOD OF 12 MONTHS

BID NO: NRF/SARAO PEP6/10/2022-23

BID NOTICE

INVITATION AND SCOPE OF WORK

Suitably experienced and qualified Contractors are invited to respond to this bid invitation for the South African Radio Astronomy Observatory (SARAO), as advertised

Bid Number	Bid Description	CIDB Grading	Bid Closing Date and Time
NRF/SARAO PEP6/10/2022-23	APPOINTMENT OF A CONTRACTOR TO REMOVE INTERNAL FENCES AT THE SANPARKS NATIONAL PARK, NORTHERN CAPE FOR A PERIOD OF 12 MONTHS	It is estimated that contractors must have a CIDB contractor grading of 3GB or higher, or 3SQ or higher. Potentially emerging contractors who satisfy criteria stated in the Tender Data may submit tender offers	Friday, 27 May 2022 at 11.00AM

COMPULSORY BID CLARIFICATION MEETING

A compulsory bid clarification meeting will be held as detailed below:

Date: Monday, 27 May 2022

Time: 11.00 AM

Venue: To register in advance for the briefing session, click on the following link:
<https://ska.zoom.us/join/91234567890>

After registering, you will receive a confirmation email containing information about joining the meeting.

Persons attending the clarification meeting must be duly authorised to represent the bidder.

Persons joining more than 15 minutes after the commencement of the meeting may not be admitted into the meeting room and as such, may be deemed to have not attended the meeting and may be precluded from submitting a bid. Any bid submitted by a bidder not represented at the clarification meeting will be rejected.

PRICE AND PREFERENTIAL PROCUREMENT SYSTEM:

Price will be evaluated in accordance with an 80/20 points system, where a maximum of 80 points is allocated to price, as follows -

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

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

FUNCTIONALITY EVALUATION CRITERIA

Bidders must meet all mandatory evaluation criteria stipulated in this bid document. In addition, bidders must achieve the overall minimum score of 75% for functionality, as well as the minimum scores stipulated for each sub-criterion of the functionality criteria. Failure to achieve these minimum scores shall result in a bid being held to be non-responsive and therefore disqualified.

BID PUBLICATION

Bid documents will be available from Friday, 22 April 2022, on the following websites: www.etenders.gov.za; www.sarao.ac.za/tenders; and www.cidb.org.za

BID SUBMISSION

Electronic submissions must be sent to tenders@sarao.ac.za

Bids must be submitted in two separate electronic folders, one with the compliance and technical response, and the second with the financial response. Technical submissions must be in searchable PDF format.

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.

BID CONDITIONS

SARAO does not bind itself to accept the lowest or any tender and reserves the right to accept any tender based on objective reasons stipulated in this bid document.

BID ENQUIRIES

No telephonic enquiries relating to this tender will be permitted. All enquiries regarding this tender must be in writing and directed to:

Technical Enquiries:

Mrs. Amory Le Roux-Arries

Email: amoryla@sarao.ac.za

Procedural Enquiries:

Ms. Anwuli Okecha

Email: anwuli@sarao.ac.za

T1.1.1 BID CLARIFICATION MEETING

A compulsory virtual bid clarification meeting will take place on Monday, 9 May 2022 at 10.00AM.

To register in advance for the briefing session, click on the following link:
<https://ska.zoom.us/meeting/register/tJcsduCgrDloGd306iB8Qy4JNGxXwa5pSUTv>

After registering, you will receive a confirmation email containing information about joining the meeting.

Persons attending the clarification meeting must be duly authorised to represent the bidder.

Persons joining more than 15 minutes after the commencement of the meeting may not be admitted into the meeting room and as such, may be deemed to have not attended the meeting and precluded from submitting a bid. Any bid submitted by a bidder not represented at the clarification meeting will be rejected.

T1.2 TENDER DATA

T1.2.1 Standard Conditions of Tender

The conditions of tender are the Standard Conditions of Tender as contained in Board Notice 423 of 2019 in Government Gazette No 42622 of 8 August 2019, Construction Industry Development Board (CIDB) Standard for Uniformity in Construction Procurement. (see www.cidb.org.za).

T1.2.2 Variations to the Standard Conditions of Tender

The Standard Conditions of Tender make several references to the Tender Data for details that apply specifically to this tender. The Tender Data shall take precedence in the interpretation of any ambiguity or inconsistency between it and the Standard Conditions of Tender. Each item of data given below is cross-referenced to the clause in the Standard Conditions of Tender to which it mainly applies.

The following variations, amendments and additions to the Standard Conditions of Tender shall apply to this tender.

Clause No.	Variation, Amendment or Addition
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C.1	General
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C.1.1	Actions
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*Add the following to the end of **Clause C.1.1.1**:*

The Employer is the South African Radio Astronomy Observatory (SARAO), represented by Amory Le Roux-Arries.

C.1.2	Tender Documents
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*Add the following to the end of **Clause C.1.2**:*

"The Tender Document for this Contract comprises the following:

Not issued to Tenderers, but available from the S.A. Bureau of Standards, the Government printers, the Construction Industry Development Board, and the Employer, as applicable:

1. CIDB, "The Standard for Uniformity in Construction Procurement Annex C, Standard Conditions of Tender", Board Notice 423 of 2019 of Government Gazette No. 42622 of 9 August 2019.
2. The General Conditions of Contract for this project is the General Conditions of Contract for Construction Works, 2nd Edition, 2010.
3. The Occupational Health and Safety Act No 85 and Amendment Act No 181 of 1993, and the Construction Regulations (2014).

C.2 Tenderer's Obligations

C.2.1 Eligibility

C.2.1.1 Add the following to the end of *Clause C.2.1.1*:

A. Construction Industry Development Board (CIDB) Registration

Only those tenderers who are registered (as "Active") with the CIDB (at time of tender closing), in a contractor grading designation equal to or higher than 3GB class of construction work, are eligible to submit a tender offer. Potentially emerging contractors who satisfy criteria stated in the Tender Data may submit tender offers

B. Joint Ventures and Consortia are eligible to submit a tender offer provided that:

Joint ventures are eligible to submit tenders provided that:

1. Every member of the joint venture is registered with the CIDB;
2. The lead partner has a contractor grading designation in the 3GB or 3SQ class of construction work; or not lower than one level below the required grading designation in the class of works under consideration and possesses the required recognition status.
3. The combined contractor grading designation calculated in accordance with the Construction Industry Development Regulations is equal to or higher than a contractor grading designation determined in accordance with the sum tendered for a 3GB or 3SQ class of construction work or a value determined in accordance with Regulation 25 (1B) or 25(7A) of the Construction Industry Development Regulations;
4. Tenders submitted by joint ventures or consortia of two or more firms must be accompanied by a document of formation of the joint venture, authenticated by a notary public or other official deputed to witness sworn statements, in which it defines precisely the conditions under which the joint venture will function, its period of duration, the persons authorised to represent and obligate it, the participation of the several firms forming the joint venture, and any other information necessary to permit a full appraisal of its functioning;
5. The Bidder, if a joint venture or consortium, must submit a signed JV or consortium agreement specific to the tendered Contract and showing clearly the percentage contribution of each partner to the Joint Venture. The value of work to be undertaken by each partner must be within their CIDB grading limit.
6. The following joint venture agreements are recommended for use or to serve as a basis for the development of an agreement –
 - (a) The CIDB Joint Venture Agreement, which is intended for use by all types of contractors, including professional service providers;
 - (b) The South African Federation of Civil Engineering Contractors (SAFCEC) Joint Venture Agreement, which is intended only for joint ventures between established contractors and is not suitable for use by professional service providers.

C. National Treasury Central Supplier Database Registration

Bidders must register on the National Treasury Central Supplier Database (CSD) and provide their CSD registration number where required in this bid document. Bidders who are not registered are not precluded from submitting bids, but must be registered prior to the award of the tender.

In the case of Joint Venture partnerships or Consortia, this requirement will apply individually to each party to the Joint Venture or Consortium.

Bidders who wish to register as on CSD can register online -
<https://secure.csd.gov.za/Account/Register>.

D. Attendance of Compulsory Bid Clarification Meeting

Only Bidders who attend the compulsory clarification meeting, and have Form A2 "Clarification Meeting Certificate and Proof of Attendance" signed by the Employer's agent will be eligible to submit a tender offer.

E. Bidder's Tax Status

Bidders must be registered with the South African Revenue Services (SARS) and must submit evidence of this in the form of a CSD registration number and/or valid Tax Clearance PIN Number issued by SARS.

At the point of award of the tender, the recommended bidder must be in good standing with SARS, failing which the bidder must be in good standing within such extended period as may be granted by the Employer, failing which the bidder will be disqualified from further consideration.

Each party to a Consortium or Joint Venture shall submit a separate CSD registration number and/or Tax Clearance PIN Number.

F. Further Compulsory Documents to be submitted with Tender

In addition to all the documents relating to A to E above, and all other documents requested in Section T2.2 (Returnable Documents), it is further required that copies of the following current and valid company certificates be provided:

1. Letter of Good Standing issued by the Compensation Commissioner (COID) or Compensation Insurer.
2. Letter of Good Standing issued by the Department of Labour (UIF).

The above shall be provided for each JV or Consortium partner, where applicable.

G. Minimum Functionality Score to be Achieved

Any tender which scores less than the minimum threshold values stated in the functionality evaluation criteria, will be held to be non-responsive and disqualified.

C.2.7 Bid Clarification Meeting

*Add the following to the end of **Clause C.2.7**:*

"The arrangements for a compulsory bid clarification meeting are as stated in the Tender Notice and Invitation to Tender.

Bidders should be represented by a person or persons who are suitably qualified and experienced to comprehend the aspects of the work involved.

Bidders shall bear all costs for attendance of the clarification meeting."

C.2.13 Submitting a Tender Offer

C.2.13.2 *Add the following to the end of **Clause C.2.13.2**:*

"Bid submissions must be in electronic format.

Bid submissions shall comprise two separate electronic folders or subfolders as follows:

- **"Technical" (T¹) submission** (Technical submissions must be in searchable PDF format), and
- **"Financial" (F²) submission**

Failure to comply with these requirements may result in the tender being deemed non-responsive."

C.2.13.3 *Replace the contents of Clause C.2.13.3 with the following:*

"Electronic bid submissions must be sent to tenders@sarao.ac.za.

Post submission, bidders must send an email to tenders@sarao.ac.za with the password to their financial submission.

C.2.13.4 *Add the following after the first sentence of **Clause C.2.13.4**:*

"The tender shall be signed by a person duly authorised to do so."

C.2.13.5 *The contents of **Clause C.2.13.5** shall not be applicable to this tender.*

C.2.13.6 *Replace the contents of **Clause C.2.13.6** with the following:*

"A two-envelope procedure as described in **Clause C.3.5** will be followed.

Bids must be submitted in two separate electronic folders, one with the Technical response (**T**¹), and the second with the financial response (**F**²). Each main folder may have sub-folders, and if this is the case, each sub-folder must be clearly indicated as such."

C.2.13.7 *The contents of **Clause C.2.13.7** shall not be applicable to this tender.*

C.2.13.8 *The contents of **Clause C.2.13.8** shall not be applicable to this tender.*

C.2.13.9 *Replace the contents of **Clause C.2.13.9** with the following:*

"Only tender offers submitted in electronic format to tenders@sarao.ac.za will be accepted by the Employer."

C.2.15 **Closing Time**

C.2.15.1 *Add the following to the end of **Clause C.2.15.1**:*

"The closing time for submission of tender offers is as stated in the Tender Notice and Invitation to Tender"

C.2.16 **Tender Offer Validity Period**

C.2.16.1 *Add the following to the end of **Clause C.2.16.1**:*

"The tender offer validity period is 120 days."

C.2.16.2 *Add the following to the end of **Clause C.2.16.2**:*

"The maximum extension on the tender offer validity period is 120 days."

C.2.16.3 *Replace the second sentence of **Clause C.2.16.3** with the following:*

"If the validity period stated in **Clause C.2.16** lapses before the employer adjudicates the tender, the Employer reserves the right to allow bidders to review their prices based on fluctuations in the Consumer Price Index (CPI)."

C.2.17 **Clarification of Tender Offer after Submission**

*Add the following to the end of **Clause C.2.17**:*

"A tender may be rejected as non-responsive if the Bidder fails to provide any clarification requested by the Employer within such time as is granted by the Employer to provide such clarification. A tender may be rejected if the unit rates or lump sums for some of the items in the bills of quantities are, in the opinion of the Employer, unreasonable, and the Bidder fails, within such time as is granted by the Employer, to justify any specific rates or lump sums (i.e. to provide a financial breakdown of how such rates or sums were obtained) or to adjust the unit rates or lump sums for such items while retaining the total of the prices unchanged."

C.2.23 **Certificates**

*Add the following to the end of **Clause C.2.23**:*

"The Bidder is required to submit the following certificates with the tender as per requirements of **Clause C.2.13.2**:

A. Certificate of Contractor Registration (CIDB)

Certificate of Contractor Registration issued by the Construction Industry Development Board. Where a bidder satisfies CIDB contractor grading designation requirements through a joint venture or consortium formation, a JV or consortium CIDB certificate plus CIDB certificates for each JV partner must be submitted."

B. Letter of Good Standing issued by the Compensation Commissioner (COLD) or Compensation Insurer

C. Letter of Good Standing issued by the Department of Labour (UIF)

C.3 *The Employer's Undertakings*

C.3.1 Respond to Questions of Clarification from Bidders

C.3.1.1 Replace the *contents of Clause C.3.1.1* and with the following:

"The Employer will respond to all clarification questions received from bidders up to two working days prior to the tender closing date, and circulate responses to all bidders who attended the compulsory clarification meeting."

C.3.5 Two-envelope System

C.3.5.1 Replace the contents of *Clause C.3.5.1* with the following:

"Where it is stated in the Tender Data that a two-envelope is to be followed, open only the technical proposal of valid bids for evaluation by the Employer's evaluation committee. Technical proposals will not be opened in the presence of bidders' representatives, however a list of bids received by the closing date will be published on the Employer's website within 7 days of the tender closing date."

C.3.5.2 Replace the contents of *Clause C.3.5.2* with the following:

"Evaluate functionality of the technical proposals offered by bidders, and only open the financial proposals of bidders who score the minimum number of functionality points or higher." Financial proposals will not be opened in the presence of bidders' representatives.

C.3.7 Grounds for rejection and disqualification

Add the following to the end of Clause C.3.7:

"Bidders will be disqualified if,

- (a) There is no evidence that they were represented at the compulsory bid clarification meeting.
- (b) Any of the Bidder's directors or shareholders are listed on the National Treasury Register of Tender Defaulters in terms of the Prevention and Combating of Corrupt Activities Act of 2004, as a person prohibited from doing business in the public sector.
- (c) If, from information given in the completed Compulsory Enterprise Questionnaire or SBD forms, the Employer considers that there is a potential conflict of interest concerning the bidder which may potentially compromise the tender process.
- (d) They have been restricted from doing business with the Employer.
- (e) In a two-envelope system, the bidder fails to submit both a technical proposal and a financial proposal.

C.3.8 Test for Responsiveness

C.3.8.2 Add the following to the end of *Clause C.3.8.2*:

"Tenders will also be considered non-responsive if:

- (a) Subject to clause C.3.11.1.1 below, the Tender offer does not meet any one of the eligibility criteria indicated as mandatory in Part T2.
- (b) The Bidder has not fully and correctly completed the Offer portion of D2.1 Form of Offer and Acceptance i.e. the price has not been completed in words and numbers, the Bidder's details are not completed fully and correctly, and the Bidder has failed to sign the Offer portion of D2.1.
- (c) The Bidder fails to respond, within such time frame granted by the Employer, to any written request for clarification, and such failure renders it impossible for the Employer to clarify any ambiguities in the bid submission, and therefore renders it impossible to evaluate the bid submission any further.
- (d) There are any other material deficiencies in the bid submission which cannot be cured by clarification.

C.3.11 Evaluation of Tender Offers

C.3.11.1 General

Add the following Clauses after **Clause C.3.11.1**:

C.3.11.1.1 The Evaluation Method

Subsequent to the Prequalification Assessment (refer to the Tender Notice & Invitation to Tender), bids will be evaluated in a three-stage process, as follows –

STAGE 1: Compliance with administrative requirements in Part T2 (namely, completion of Schedules A1-A7, the Standard Bidding Documents, and submission of the returnable documents in Schedules B1-B5). In this stage, discretion may be applied 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, provided that such returnable schedules or documents are of a purely administrative nature and do 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. Only compliant bids will proceed to Stage 2.

STAGE 2: Bids will be evaluated on the functionality criteria summarised in Clause C.3.11.1.2. Bids will be evaluated on functionality criteria scored on a sliding scale. Only bids which –

- (i) achieve the minimum score stipulated for each functionality sub-criterion; and
- (ii) achieve an overall minimum score of 75 out of 100 points on functionality, will proceed to Stage 3.

STAGE 3: Bids will be scored on the 80/20 price and preference points system.

The lowest priced bid will not necessarily be accepted and the Employer reserves the right to accept the whole or part of any tender, or not to consider any tender at all.

C.3.11.1.2 Score Functionality

The functionality sub-criteria, minimum and maximum scores in respect of each sub-criterion are listed in the table below. **Bidders are required to achieve the minimum points indicated in the table below, for each functionality sub-criterion, as well as an overall minimum score of 75 points –**

Functionality Sub-criteria	Minimum Points	Maximum Points (W2)
Capability	10	20
Previous Experience and Track Record	10	20
Method Statement, Preliminary Programme	20	40
Localisation specific to the project	10	20
Total		100

Bidders must achieve an overall minimum score of 75 points out of a possible 100.

The total number of bid evaluation points for functionality will be the sum of the points scored for each of the sub-criteria. The points for each sub-criterion will be calculated using the following equation:

$$N_Q = W_2 \times \frac{S_0}{M_S}$$

Where:

NQ = Bidder's functionality points (per sub-criteria)

W2 = the maximum possible number of tender evaluation points awarded for the functionality as stated in the tender data

S0 = the score for functionality allocated to the submission under consideration

Ms = the maximum possible score for functionality in respect of a submission

Functionality shall be scored in accordance with Seven (7) separate schedules in Part T2.2: Returnable Documents. The basis for assessing each of the functionality criteria are summarised below:

Functionality Criteria		
Criteria	Basis for Assessment	Returnable Schedules
Capability	Personnel qualifications and experience	Schedule B6- B9: List of Key personnel, CVs of Key Personnel
Previous Experience and Track Record	Past experience in delivering similar construction contracts	Schedule B10: List of Current and Completed Projects and Client References
Method Statement, Preliminary Programme	Provide a method statement addressing activities from contract start date to completion of the project and outlined key milestones	Schedule B11: Method Statement, Preliminary Programme
Localisation specific to the project	Evidence of the Bidder's existing socio-economic development activities and proposed skills transfer development plan	Schedule B12: Existing socio-economic development activities; Skills Transfer development plan

Functionality will be scored by not less than three evaluators. Each evaluator will assess each bid on the mandatory functionality criteria. With regard to the scored functionality criteria, the scores of all evaluators will be totalled and averaged to obtain the final score for Functionality.

The overall minimum score required for Functionality is 75 points out of a possible 100 points. Only those bidders who achieve the overall minimum score of 75 points, as well as the stipulated minimum scores per criterion, will be eligible to be evaluated further in Stage 3.

C.3.17 Provide Copies of the Contracts

*Add the following to the end of **Clause C.3.17:***

“The number of paper copies of the signed contract to be provided by the Employer is ONE.”

T1.2.3 Additional Conditions of Tender

The additional conditions of tender are:

C.4 Compliance with Occupational Health and Safety Act 1993 and Construction Regulations (as amended 2014)

Bidders are to note the requirements of the Occupational Health and Safety Act No. 85 of 1993 and the latest amended Construction Regulations (2014) issued in terms of Section 43 of the Act. The Bidder shall be deemed to have read and fully understood the requirements of the above Act and Regulations and to have allowed for all costs in compliance therewith.

C.5 Claims Arising after Submission of Tender

No claim arising out of any doubt or obscurity as to the true intent and meaning of anything contained in the Conditions of Tender and Tender Data, Conditions of Contract, Scope of Work and Pricing Data, will be accepted by the Employer after the submission of any tender and the Bidder shall be deemed to have -

- (a) Read and fully understood the Tender Data.
- (b) Read and fully understood the whole text of the Scope of Work and Pricing Data and thoroughly acquainted itself with the nature of the works proposed and generally of all matters which may influence the resultant contract.
- (c) Visited the site of the proposed works, carefully examined existing conditions, the means of access to the site, the conditions under which the work is to be done, and acquainted himself with any limitations or restrictions that may be imposed by the Municipal or other Authorities in regard to access and transport of materials and plant to and from the site and made the necessary provisions for any additional costs involved thereby.
- (d) Requested the Employer to make clear the actual requirements of anything contained in this bid document, the exact meaning or interpretation of which is not clearly intelligible to the Bidder.
- (e) Have looked at the historical data on the site including weather conditions, accommodation, and geographical data and allowed any of the possible delays on his time risk allowance planning.
- (f) Understood that the Employer does not have a registered landfill site and that the contractor is expected to price for waste management as well as the submission of safety files.**
- (g) Understood that payment of claims is made 30 days after approval by the Employer of the contractor's invoice or the claim. This will exclude the 28 days where the Engineer verifies the statement with supporting additional information.

C.6 Imbalance in Tendered Rates

In the event of tendered rates or lump sums being declared by the Employer to be unacceptable to it because they are either excessively low or high or not in proper balance with other rates or lump sums, the Bidder may be required to produce evidence and advance arguments in support of the tendered rates or lump sums objected to. If, after submission of such evidence and any further evidence requested, the Employer is still not satisfied with the tendered rates or lump sums objected to, it may request the Bidder to amend these rates and lump sums along the lines indicated by it.

The Bidder will then have the option to alter and/or amend the rates and lump sums objected to and such other related amounts as are agreed on by the Employer, but this shall be done without altering the Contract Price.

Should the Bidder fail to amend the Tender in a manner acceptable to the Employer, the Employer may reject the Tender.

T2: Returnable Documents

Number	Heading	Pages
T2.1	Schedule of Returnable Documents	17
T2.2	Returnable Documents	20

T2.1 SCHEDULE OF RETURNABLE DOCUMENTS

T2.1.1. General

The Tender Document must be submitted as a whole. All schedules and forms must be properly completed as instructed, and the document shall not be taken apart or altered in any way whatsoever.

Bidders are required to complete each and every schedule and form listed below to the best of their ability, as the evaluation of tenders and the eventual contract will be based on the information provided by the Bidder.

Failure of a Bidder to complete the Schedules to the satisfaction of the Employer and submit the Returnable Documents required will result in the bid being held to be non-responsive. However, the Employer 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 (namely, Schedules A1-A7, the Standard Bidding Documents, and Schedules B1-B5), where they are purely of an administrative nature and do 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.

T2.1.2. List of Returnable Documents and Schedules

SCHEDULE	DESCRIPTION	PAGE
Company Authority Documents & Resolutions		
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A2	Certificate of attendance at the compulsory bid clarification meeting	22
A3	Certificate of Authority for Joint Ventures / Consortia	23
A4	Compulsory Enterprise Questionnaire	24
A5	Bidder's bank account details and financial references	26
A6	Certificate of Insurance Cover (Professional Indemnity)	27
A7	Form concerning the fulfilment of the Construction Regulations, 2014	28
Standard Bidding Documents (SBD)		
SBD 4	Bidder's Disclosure	29
SBD 6.1	Preference Points Claim Form	31
Returnable Documents for Compliance Assessment		
B1	Certificate of CIDB Registration of Contractor	35
B2	Tax Clearance	36
B3	Proof of registration on National Treasury Central Supplier Database	37
B4	BBBEE Certificate or Sworn Affidavit	38
B5	Schedule of Proposed Subcontractors (if applicable)	39
Returnable Documents for Functionality Assessment		
B6	Schedule of Key Design and Construction Personnel	40
B7	Certified Copies of Professional Qualifications of Key Construction Personnel	42
B8	Curriculum Vitae of Key Construction Personnel	43
B9	Project Organisational Chart for Key Construction Personnel	45
B10	Bidding Entity's Past Experience in Delivering Similar Projects	46

B11	Method Statement based on the Scope of Work Specific to this Project	50
B12	Evidence of the Existing Socio-Economic Development Activities of the Bidding Entity	51
Returnable Documents pertaining to the Contract		
B13	Amendments/ Alternatives and Qualifications by Tenderer	53
B14	Record of Addenda to Tender Documents	54
B15	Joint Venture Agreement (if applicable)	55
D2.1	Form of Offer and Acceptance	68
D2.2	Contract Data	73
D3.1	Pricing Instructions	77
D3.2	Bill of Quantities	78

T2.1.3. List of Returnable Documents for Stage 1 Assessment

SELECTION CRITERIA/ CHECKLIST		Weight (Mandatory / Optional)	✓ Tick Appropriate Box	
Schedule	Element		GO	NO GO
A1	Authority to sign bid document	Mandatory		
A2	Certificate of attendance at bid clarification meeting	Mandatory		
A3	Certificate of Authority for Joint Ventures / Consortia (if applicable)	Mandatory		
A4	Compulsory Enterprise Questionnaire	Mandatory		
A5	Tenderer's bank account details and financial references	Mandatory		
A6	Certificate of Insurance Cover	Mandatory		
A7	Form concerning the fulfilment of the Construction Regulations, 2014	Mandatory		
Standard Bidding Documents (SBD)				
SBD 4	Bidder's Disclosure	Mandatory		
SBD 6.1	Preference Points Claim Form	Mandatory		
Returnable Documents for Compliance Assessment				
B1	Certificate of CIDB Registration of Contractor	Mandatory		
B2	Tax Clearance Pin number issued by the South African Revenue Service	Mandatory		
B3	Proof of registration on National Treasury Central Supplier Database (CSD)	Mandatory		
B4	BBBEE Certificate or Sworn Affidavit	Optional		
B5	Schedule of Proposed Subcontractors (if applicable)	Mandatory		

T2.2 RETURNABLE DOCUMENTS

NB: BIDDERS MUST COMPLETE THESE DOCUMENTS / FORMS IN BLACK TYPE OR INK

A1. AUTHORITY TO SIGN DOCUMENTS

I/We*, the undersigned, am/are* duly authorised to sign the form of tender on behalf of

by virtue of the Articles of Association/Resolution of the Board of Directors*, of which a certified copy is attached, or

*Delete whichever is inapplicable

1.			
	NAME	SIGNATURE	DATE

2.			
	NAME	SIGNATURE	DATE

WITNESSES:

1.			
	NAME	SIGNATURE	DATE

2.			
	NAME	SIGNATURE	DATE

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A3. CERTIFICATE OF AUTHORITY FOR JOINT VENTURES / CONSORTIA

This Returnable Schedule is to be completed only if Bidder is a joint venture or consortium.

We, the undersigned, are submitting this tender offer as a joint venture / consortium, and hereby authorise

Mr/Ms....., authorised signatory ofcompany, close corporation or partnership, acting in the capacity of lead partner, to sign all documents in connection with the tender offer and any contract resulting from it on our behalf.

NAME OF FIRM	ADDRESS	DULY AUTHORISED SIGNATORY
Lead partner		Signature: Name : Designation :
		Signature : Name : Designation :
		Signature : Name : Designation:
		Signature : Name: Designation:

Note: A copy of the Joint Venture / Consortium Agreement showing clearly the percentage contribution of each partner to the Joint Venture / Consortium must be included in the bid submission.

A4. COMPULSORY ENTERPRISE QUESTIONNAIRE

The following particulars must be furnished. In the case of a joint venture / consortium, **separate** enterprise questionnaires in respect of each partner must be completed and submitted.

Section 1: Name of enterprise

Section 2: VAT registration number, if any

Section 3: CIDB registration number, if any

Section 4: Particulars of sole proprietors and partners in partnerships

Name*	Identity number*	Personal income tax number*

* Complete only if sole proprietor or partnership and attach separate page if more than 3 partners

Section 5: Particulars of companies and close corporations

Company registration number

Close corporation number

Tax reference number

Section 6: The attached SBD 4 must be completed for each attender and be attached as a tender requirement

Section 7: The attached SBD 6 must be completed for each attender and be attached as a tender requirement

The undersigned, who warrants that he/she is duly authorised to do so on behalf of the enterprise:

- i) authorises the Employer to obtain a tax Clearance certificate from the South African Revenue Services that my / our tax matters are in order;
- ii) confirms that neither the name of the enterprise nor the name of any partner, manager, director or other person, who wholly or partly exercises, or may exercise, control over the enterprise appears on the Register of Tender Defaulters established in terms of the Prevention and Combating of Corrupt Activities Act of 2004;
- iii) confirms that no partner, member, director or other person, who wholly or partly exercises, or may exercise, control over the enterprise, has within the last five years been convicted of fraud or corruption;
- iv) confirms that I/we are not associated, linked or involved with any other tendering entities submitting tender offers and have no other relationship with any of the tenderers or those responsible for compiling the scope of work that could cause or be interpreted as a conflict of interest;
- v) confirms that the contents of this questionnaire are within my personal knowledge and are to the best of my belief both true and correct.

SIGNED:

--	--	--	--	--	--

	ENTERPRISE NAME		DATE		
	NAME		POSITION		SIGNATURE

A5. BIDDER'S BANK ACCOUNT DETAILS AND FINANCIAL REFERENCES

Notes to Bidder:

1. The Bidder shall attach to this form a letter from the bank at which he declares he conducts his account. The contents of the bank's letter must state the credit rating that it, in addition to the information required below, accords to the tenderer for the business envisaged by this tender. Failure to provide the required letter with the tender submission may render the Bidder's offer unresponsive.
2. The Bidder's banking details as they appear below shall be completed.
3. In the event that the tenderer is a joint venture enterprise, details of all the members of the joint venture shall be similarly provided and attached to this form.

The tenderer shall provide the following information:

(i)	Name of Account Holder:	
(ii)	Account Number:	
(iii)	Bank Name:	
(iv)	Branch Number:	
(v)	Bank and Branch Contact Details:	

SIGNED BY/ON BEHALF OF BIDDER:

	NAME		SIGNATURE	

A6. CERTIFICATE OF INSURANCE COVER

Note to Bidder:

In the event that the Bidder is a joint venture or consortium, the details of each partner must also be provided.

Refer to Particular Conditions of Tender page 83 of the document.

Bidders shall provide the following details of this insurance cover:

- (i) Name of Bidder:
- (ii) Period of Validity:
- (iii) Value of Insurance:

- Insurance for Works and Bidder's Equipment:

Company:

Value:

- Insurance for Bidder's Personnel:

Company:

Value:

- Motor Vehicles liability:

Company:

Value:

- Third Party liability:

Company:

Value:

The successful bidder shall take full responsibility to restore any damaged existing NRF (SARAO) infrastructure to the status it was prior to damage.

SIGNED BY/ON BEHALF OF BIDDER:

	NAME		SIGNATURE	

In terms of regulation 4(3) of the Construction Regulations, 2014, as amended (hereinafter referred to as the Regulations), promulgated on 18 July 2003 in terms of Section 43 of the Occupational Health and Safety Act, 1993 (Act No 85 of 1993) the Employer shall not appoint a contractor to perform construction work unless the Contractor can satisfy the Employer that his/her firm has the necessary competencies and resources to carry out the work safely and has allowed adequately in his/her tender for the due fulfilment of all the applicable requirements of the Act and the Regulations.

- | | |
|-----|--|
| YES | |
| NO | |

- | | |
|--|--|
| Own resources, competent in terms of the Regulations (refer to 3 below) | |
| Own resources, still to be hired and/or trained (until competency is achieved) | |
| Specialist subcontract resources (competent) – specify: | |

- | | |
|-----|--|
| YES | |
| NO | |

[illegible]

SBD 4 BIDDER'S DISCLOSURE

1. 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.

2. BIDDER'S DECLARATION

- 2.1 Is the bidder, or any of its directors / trustees / shareholders / members / partners or any person having a controlling interest¹ in the enterprise? **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 the table below –

Full Name	Identity Number	Name of State Institution

- 2.2 Do you, or any person connected with the bidder, have a relationship with any person 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

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 consortium² will not be construed as collusive bidding;
- 3.4 In addition, there have been no consultations, communications, agreements or arrangements with any competitor regarding the quality, quantity, specifications, prices, including methods, factors or formulas used to calculate prices, market allocation, the intention or decision to submit or not to submit the bid, bidding with the intention not to win the bid and conditions or delivery particulars of the products or services to which this bid invitation relates.
- 3.5 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

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

SBD 6.1 PREFERENCE POINTS CLAIM FORM

This preference form must form part of all bids invited. It contains general information and serves as a claim form for preference points for Broad-Based Black Economic Empowerment (B-BBEE) Status Level of Contribution.

1. GENERAL CONDITIONS

1.1 The following preference point systems are applicable to all bids:

- 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).

The value of this bid is estimated to **exceed** R50 000 000 (all applicable taxes included) and therefore the 90/10 preference point system shall be applicable.

1.2 Points for this bid shall be awarded for:

- (a) Price; and
- (b) B-BBEE Status Level of Contributor.

1.3 The maximum points for this bid are allocated as follows:

	POINTS
PRICE	80
B-BBEE STATUS LEVEL OF CONTRIBUTOR	20
Total points for Price and B-BBEE must not exceed	100

1.4 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.

1.5 The purchaser reserves the right to require of a bidder, either before a bid is adjudicated or at any time subsequently, to substantiate any claim in regard to preferences, in any manner required by the purchaser.

2. DEFINITIONS

- (a) **“B-BBEE”** means broad-based black economic empowerment as defined in section 1 of the Broad-Based Black Economic Empowerment Act;
- (b) **“B-BBEE status level of contributor”** means the B-BBEE status of an entity in terms of a code of good practice on black economic empowerment, issued in terms of section 9(1) of the Broad-Based Black Economic Empowerment Act;
- (c) **“bid”** means a written offer in a prescribed or stipulated form in response to an invitation by an organ of state for the provision of goods or services, through price quotations, advertised competitive bidding processes or proposals;
- (d) **“Broad-Based Black Economic Empowerment Act”** means the Broad-Based Black Economic Empowerment Act, 2003 (Act No. 53 of 2003);
- (e) **“EME”** means an Exempted Micro Enterprise in terms of a code of good practice on black economic empowerment issued in terms of section 9 (1) of the Broad-Based Black Economic Empowerment Act;
- (f) **“functionality”** means the ability of a tenderer to provide goods or services in accordance with specifications as set out in the tender documents.
- (g) **“prices”** includes all applicable taxes less all unconditional discounts;
- (h) **“proof of B-BBEE status level of contributor”** means:
 - 1) B-BBEE Status level certificate issued by an authorized body or person;
 - 2) A sworn affidavit as prescribed by the B-BBEE Codes of Good Practice;
 - 3) Any other requirement prescribed in terms of the B-BBEE Act;
- (i) **“QSE”** means a qualifying small business enterprise in terms of a code of good practice on black economic empowerment issued in terms of section 9 (1) of the Broad-Based Black Economic Empowerment Act;

- (j) “**rand value**” means the total estimated value of a contract in Rand, calculated at the time of bid invitation, and includes all applicable taxes;

3. POINTS AWARDED FOR PRICE

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

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

80/20

or

90/10

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

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

4. POINTS AWARDED FOR B-BBEE STATUS LEVEL OF CONTRIBUTOR

- 4.1 Preference points will 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	Number of points (90/10 system)	Number of points (80/20 system)
1	10	20
2	9	18
3	6	14
4	5	12
5	4	8
6	3	6
7	2	4
8	1	2
Non-compliant contributor	0	0

5. BID DECLARATION

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

6. B-BBEE STATUS LEVEL OF CONTRIBUTOR CLAIMED IN TERMS OF PARAGRAPHS 1.4 AND 4.1

- 6.1 B-BBEE Status Level of Contributor: . = (maximum of 10 or 20 points)

(Points claimed in respect of paragraph 7.1 must be in accordance with the table reflected in paragraph 4.1 and must be substantiated by relevant proof of B-BBEE status level of contributor.)

7. SUB-CONTRACTING

- 7.1 Will any portion of the contract be subcontracted?

(**Tick applicable box**)

YES		NO	
-----	--	----	--

- 7.1.1 If yes, indicate:

- i) What percentage of the contract will be subcontracted.....%
- ii) The name of the sub-contractor.....
- iii) The B-BBEE status level of the sub-contractor.....
- iv) Whether the sub-contractor is an EME or QSE

(Tick applicable box)

YES		NO	
-----	--	----	--

- v) Specify, by ticking the appropriate box, if any portion of the works will be subcontracted to any of the following designated enterprises:

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		

8. DECLARATION WITH REGARD TO COMPANY/FIRM

8.1 Name of company/firm:.....

8.2 VAT registration number:.....

8.3 Company registration number:.....

8.4 TYPE OF COMPANY/ FIRM

- Partnership/Joint Venture / Consortium
- One-person business/sole proprietor
- Close corporation
- Company
- (Pty) Limited

[TICK THE APPLICABLE]

8.5 DESCRIBE PRINCIPAL BUSINESS ACTIVITIES

.....

.....

.....

8.6 COMPANY CLASSIFICATION

- Manufacturer
- Supplier
- Professional service provider
- Other service providers, e.g. transporter, etc.

[TICK APPLICABLE BOX]

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

8.8 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 1.4 and 6.1 of the foregoing certificate, qualifies the company/ firm for the preference(s) shown and I / we 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 6.1, the contractor may be required to furnish documentary proof to the satisfaction of the purchaser that the claims are correct;
- iv) 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:

.....

.....

.....
SIGNATURE(S) OF BIDDERS(S)

DATE:

ADDRESS

.....

.....

B1. CERTIFICATE OF CIDB REGISTRATION OF CONTRACTOR

A certificate of bidder's registration with the Construction Industry Development Board (CIDB) must be included in the bid submission as per the requirements of Clause C.2.1.1 of T1.2.2: Variations to the Standard Conditions of Tender.

Where a bidder satisfies CIDB Contractor grading designation requirements through a joint venture or consortium formation, such bidder must submit the joint CIDB grading of the bidding entity, and the certificates of contractor registration for each partner.

SIGNED BY/ON BEHALF OF BIDDER:

NAME		SIGNATURE	DATE

B2. TAX CLEARANCE

Bidders shall be registered and in good standing with the South African Revenue Services (SARS) and must submit/append documentary evidence/proof in the form of a CSD registration number and/or valid Tax Clearance PIN Number issued by SARS as per the requirements of Clause C.2.1.1 of T1.2.2: Variations to the Standard Conditions of Tender.

Each party to a Consortium/Joint Venture shall submit a separate Tax Clearance PIN Number and/or CSD Supplier Number.

	PIN NUMBER

	CSD SUPPLIER NUMBER

SIGNED BY/ON BEHALF OF BIDDER:

NAME	SIGNATURE	DATE

B3. PROOF OF REGISTRATION ON NATIONAL TREASURY CENTRAL SUPPLIER DATABASE

Bidders must be registered with the National Treasury Central Supplier Database (CSD) and must submit their valid CSD Registration Number as issued by National Treasury, as per the requirements of Clause C2.1.1 of T1.2.2: Variations to the Standard Conditions of Tender.

Bidders who are not registered with CSD are not precluded from submitting bids, but must be registered prior to Contract Award.

Each party to a Consortium/Joint Venture must submit a separate CSD Registration Number.

	CSD REGISTRATION NUMBER

SIGNED BY/ON BEHALF OF BIDDER:

NAME	SIGNATURE	DATE

B4. B-BBEE CERTIFICATE OR SWORN AFFIDAVIT

In order to claim B-BBEE points, bidders must submit a Valid B-BBEE certificate issued by a Verification Agency accredited by SANAS; or in the case of Exempted Micro Enterprises (EMEs), a sworn affidavit confirming annual total revenue and level of black ownership, or a BBEE certificate issued by the Companies and Intellectual Property Commission; and in the case of Qualifying Small Enterprises (QSEs), a sworn affidavit confirming annual total revenue and level of black ownership.

A trust, consortium or joint venture (including unincorporated consortia and joint ventures) must submit a consolidated B-BBEE status level verification certificate.

Bidders will not be awarded points for B-BBEE status level where they intend to sub-contract more than 25% of the value of the contract to any enterprise that does not qualify for at least the points that such Bidder qualifies for, unless the intended sub-contractor is an EME that has the capability and ability to execute the sub-contract.

SIGNED BY/ON BEHALF OF BIDDER:

NAME		SIGNATURE	DATE

B5. SCHEDULE OF PROPOSED SUBCONTRACTORS (IF APPLICABLE)

We notify you that it is our intention to employ the following Subcontractors for work in this contract.

SUBCONTRACTORS			
Category/type	Subcontractor Name/Address/Contact of Person/Phone/e-mail/Details Organisation/Firm/ Experience	Items of work (pay items) to be undertaken by the Subcontractor	% sub-contracted

If there is insufficient space above, the Tenderer may include the additional sheets in the Supporting Documentation file, to be submitted in accordance with Clause C2.13.3 of T1.2.2 Variations to the Standard Conditions of Tender.

Number of additional sheets submitted by the Bidder to this Schedule

(If nil, enter NIL)

Acceptance of this tender shall not be construed as approval of all or any of the listed subcontractors. Should any of the subcontractors 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, even in the event of a subcontractor not listed above being approved by the Engineer.

SIGNED BY/ON BEHALF OF BIDDER:

NAME		SIGNATURE	DATE

B6. SCHEDULE OF KEY CONSTRUCTION PERSONNEL

The tender offer shall include an organogram clearly showing the team of key design and construction personnel the bidder proposes to assign to the project and how responsibilities for the various disciplines or work and components of the Works will be assigned. Where specifically indicated in the table below, it will be acceptable for one team member to fulfil more than one role on the project, provided that such team member satisfies the requirements of each role which he/she intends to fulfil.

Bidders must familiarise themselves with the evaluation criteria listed below and submit proposed Key Personnel who satisfy the mandatory requirements stipulated in the Table below. A minimum of 10 points needs to be achieved in this sub-criterion, to be eligible to be evaluated further -

Criteria	Sub criteria	Indicators	Score Allocation
Capability (Qualifications, Experience and Professional Registration of Construction Teams)	Project Manager	Construction manager with more than 5 years' experience in managing projects of similar nature (i.e. erection or removal of fencing, or general experience in the built environment)	10
		Construction manager with more than 3 years but less than 5 years' experience in managing projects of similar nature (i.e. erection or removal of fencing, or general experience in the built environment)	5
		Construction manager with less than 1 years' experience in managing projects of similar nature (i.e. erection or removal of fencing, or general experience in the built environment)	0
	Site Foreman (Full time on site)	Site foreman has <u>extensive</u> experience (<u>More than 3 years</u>) in delivering similar projects (i.e. erection or removal of fencing, or general experience in the built environment)	5
		Site foreman has <u>limited</u> experience (<u>less than 2 years</u>) in delivering similar projects (i.e. erection or removal of fencing, or general experience in the built environment)	2
		Site Supervisor has <u>no</u> experience in delivering similar projects	0
	Health and Safety Officer (required full time on site)	Health and Safety Officer has <u>extensive</u> experience in delivering similar construction projects (<u>More than 3 years in the construction industry</u>)	5
		Health and Safety Officer has <u>limited</u> experience in delivering similar construction projects (<u>Less than 2 years in the construction industry</u>)	2
		Health and Safety Officer has <u>no</u> experience in delivering similar projects	0
Total			20/100
Minimum score required for this sub-criterion			10 points

Table 1: Schedule of Key Construction Personnel

Key Design & Construction Personnel	Name	Qualifications/Track Record	Registration Number	No of years' experience in terms of required skills	Company Name & Physical address and contact details of local office
Construction Team					
Project Manager					
Site Foreman (<i>Full time on site</i>)					
Health and Safety Officer (<i>Full time on site</i>)					

B7. CERTIFIED COPIES OF PROFESSIONAL QUALIFICATIONS OF KEY CONSTRUCTION PERSONNEL

Certified copies of the professional qualifications of each Team Member listed in Schedule B6: Table 1, above, must be attached to this Schedule.

SIGNED BY/ON BEHALF OF BIDDER:

NAME		SIGNATURE	DATE

B8. CURRICULUM VITAE OF KEY CONSTRUCTION PERSONNEL

CVs must be submitted in the required format.

Only include CV's for the required personnel as listed in the above table and in the format of the CV template provided in this schedule. Attach CVs in the order that the key Design and Construction Personnel are listed in Schedule B6.

Do NOT include CVs for support staff.

Please Note:

The Bidder should respond to the requirements listed in Table 1 and insert the details of the required personnel in the Schedule of Key Design and Construction Personnel and attach the supporting documentation and sub-contracting agreements (where applicable);

The Bidder must clearly indicate in the Table where one person can fulfil various roles:

The names listed in Table 1 for the Key Design and Engineering disciplines will be those personnel that carry design responsibility for the respective design engineering discipline;

Do not include support staff in the Schedule of Key Design and Construction Personnel. Only key personnel will be assessed. Support staff will not be assessed. It is however the responsibility of the Bidder to ensure that the project is provide with adequate support capacity;

Where there are no names next to the suggested Key Design and Construction Personnel, it will be assumed that the Bidder does not have the personnel included in the professional team;

In order to qualify, the team must include all the Key Design and Construction Personnel (or indicate where one person fulfils other roles) and each Team Member must meet the minimum requirements in relation to qualification, registration and number of years' experience as stated in Table 1.

The Key Design and Construction personnel must be registered with their respective related regulatory bodies and have recognised qualifications. Registration with Councils, for those professions where Councils exist, and with Associations or Institutes for those professions where only Associations and / or Institutes exist is required.

Curriculum Vitae Template of Key Design and Construction Personnel Listed in Schedule

NAME OF COMPANY

- 1. Surname (and maiden name in brackets where applicable):**
- 2. First name/s:**
- 3. Date of birth:**
- 4. Nationality:**
- 5. Education and Specialist training:**

Qualification	Institution	Date Obtained

6. Membership of Professional Bodies:

Registration Number:

7. Key Qualifications relevant to this project:

8. Key skills and expertise relevant to this project:

9. High-level overview of professional experience directly related to the role of the team member in this project:

Date (From – To)	
Client	
Location	
Position in firm or project role	
High-level description of duties or responsibilities in position or project team	
Date (From – To)	
Client	
Location	
Position in firm or project role	
Date (From – To)	
Client	
Location	
Position in firm or project role	
High-level description of duties or responsibilities in position or project team	
References: Name: Position: Tel: Email:	

B9. PROJECT ORGANISATIONAL CHART FOR KEY CONSTRUCTION PERSONNEL

Attach organisational chart for key design and construction personnel to this Schedule.

SIGNED BY/ON BEHALF OF BIDDER:

NAME		SIGNATURE	DATE

B10. BIDDER'S PAST EXPERIENCE IN DELIVERING SIMILAR PROJECTS

Lists of Current and Completed Projects to be Submitted in Table 2 below.

Bidders must familiarise themselves with the evaluation criteria listed below and submit a list of current and completed projects and references to support the allocation of points. A minimum of 10 points needs to be achieved in this sub-criterion to be eligible to be evaluated further -

Criteria	Sub criteria	Indicators	Scoring Allocation
Previous experience and Track Record	Past experience in delivering similar construction contracts	The Bidding entity has <u>extensive</u> experience (More than 3 years in the construction industry) in delivering similar (removal or erecting of fencing, and other projects of similar nature)	10
		The Bidding entity has <u>limited</u> experience (<u>Less than 2 years in the construction industry</u>) in delivering similar (removal or erecting of fencing, and other projects of similar nature)	5
		The Bidding entity has <u>no</u> experience in delivering similar construction project or projects of similar nature	0
	References	Three or more reference letters from clients for whom similar works have been undertaken or are in progress (removal or erecting of fencing, and other projects of similar nature), and clients attest to satisfactory services having been provided by the bidding entity	10
		1-2 reference letters are submitted from clients for whom similar works have been undertaken or are in progress (removal or erecting of fencing, and other projects of similar nature), and clients attest to satisfactory services having been provided by the bidding entity	5
		No reference letters from clients for whom similar works have been undertaken or are in progress (removal or erecting of fencing, and other projects of similar nature)	0
Total			20/100
Minimum Score Required for this Sub-criterion			10 Points

Table 2: List of Previous and Completed Projects

NAME OF COMPANY

PROJECT/EMPLOYER (Name, Tel. No and Fax No.)	NATURE OF WORK	VALUE OF WORK	YEAR OF COMPLETION

REFERENCE LETTER TEMPLATE FOR THE BIDDING ENTITY

Table 3: Reference Template for the Bidding Entity

References for Bidding Entity, Sub-contractors and Joint Venture Partners

The bidding entity, its sub-contractors and joint venture partners must provide at least two (2) credible, written and contactable references each from clients for whom projects have been undertaken similar to the requirements in this tender.

The references must be provided in the following format:

Company	
Client Point of Contact & Tel Number	
Date of Project (From – To)	
Description of Project	
Role of bidder in project	

Was the project delivered on time? If not, why not?	Poor Score 1	Average Score 2	Met requirements Score 3	Exceeded requirements Score 4
Was the project delivered within budget? If not, why not?	Poor Score 1	Average Score 2	Met requirements Score 3	Exceeded requirements Score 4
Was the project delivered to the required satisfaction/quality to the Client? If not, why not?	Poor Score 1	Average Score 2	Met requirements Score 3	Exceeded requirements Score 4
Were there contract variations in the project? If yes, list them and the reason for them				
Role of bidder in project	Poor Score 1	Average Score 2	Met requirements	Exceeded requirements

			core 3	Score 4

Would you use the Bidder/ JV Partners again?

Yes

No (reasons)

Overall Impression:

.....

.....

.....

.....

.....

.....

.....

Company Representative:

Position in Company:

B11. METHOD STATEMENT AND PRELIMINARY PROGRAM SPECIFIC TO THIS PROJECT

Bidders must familiarise themselves with the evaluation criteria listed below and submit the method statement and preliminary program. A minimum of 20 points needs to be achieved in this sub-criterion to be eligible to be evaluated further

Criteria	Sub criteria	Indicators	Scoring Allocation
Method Statements & Preliminary program specific to this project	The method statement must as a minimum address the following aspects - • Overview and project strategy • Project standards and setup • Preliminary program • Cost and financial management • Risk Management	The method statement provides an extensive overview of works and a detailed, clear preliminary program	40
		The method statement provides an overview of works and a clear preliminary program	20
		The method statement is generic and the preliminary program is not clear	10
		The method statement minimum aspects are not addressed and of poor quality. It is unlikely to satisfy the project objectives or requirements	0
Total			40/100
Minimum Score Required for this Sub-criterion			20 Points

B12. EVIDENCE OF THE EXISTING SOCIO-ECONOMIC DEVELOPMENT ACTIVITIES OF THE BIDDING ENTITY

Bidders must familiarise themselves with the evaluation criteria listed below and submit a list of current and completed projects and references to support the allocation of points. **A minimum of 10 points needs to be achieved in this sub criteria to be eligible to be evaluated further -**

Criteria	Sub criteria	Indicators	Scoring Allocation
Evidence of the Bidder's, its subcontractors, and JV or consortium partners <u>existing Socio-Economic</u> development activities and proposed <u>Skills Transfer</u> development plan specific for this contract	Existing socio-economic development activities	Socio-Economic development activities which exceed the Bidders company objectives and provided evidence	10
		Socio-Economic development activities which meets the Bidders company objectives	5
		Poor Socio-Economic development activities	0
	Skills Transfer development plan specific for this contract	The Skills Transfer development plan is specifically tailored and details ways on how to transfer skills through this project and other skills not associate through this contract	10
		The Skills Transfer development plan is tailored and details ways on how to transfer skills through this project	5
		The Skills Transfer development plan is of poor quality and does not address how skills transfer will occur	0
Total			20/100
Minimum Score Required for this Sub-criterion			10 Points

Table 4: Evidence of the Socio-Economic Development Activities and Proposed Activities of the Bidder, its Subcontractors and Joint Venture / Consortium Partners

The bidder, its joint venture or consortium partners and sub-contractors must provide evidence of the entities implementing skills development, and /or mentorship programmes and corporate social investment programmes within each entity and the value of all entities investment into skills development and /or mentorship programmes. The bidder must provide information on these programmes as part of its response to this bid as well as what skills development programme / corporate social investment programme will be proposed for the scope of this project. The response must be provided in the following format:

Bidder Name / Joint Venture Name / Subcontractor	
Description of skills development programme/s & number of staff participating	
Description of mentorship programmes (if any) and number of people	
Monetary value of programmes to date & awards	
Description of corporate social investment (CSI) programmes implemented by bidding entities	
Number of people impacted by implementation of CSI programme	
Total monetary value of CSI programmes implemented	

B13. AMENDMENTS/ ALTERNATIVES AND QUALIFICATIONS BY TENDERER

The schedules below are not an invitation for amendments, deviations or alternatives but should the Tenderer desire to make any departures from the provisions of this contract he shall set out his proposals clearly hereunder.

It is also important to note that if alternatives have been suggested, the pricing should still be based on the prescribed scope of works and not on the alternatives.

I / We herewith propose the amendments, alternatives and discounts as set out in the tables below:

(1) AMENDMENTS

PAGE, CLAUSE OR ITEM NO	PROPOSED AMENDMENT

- (i) *Amendments to the General and Special Conditions of Contract are not acceptable;*
- (ii) *The Tenderer must give full details of all the financial implications of the amendments and qualifications in a covering letter attached to his tender.*

(2) ALTERNATIVES

PROPOSED ALTERNATIVE	DESCRIPTION OF ALTERNATIVE

- (i) *Individual alternative items that do not justify an alternative tender and an alternative offer for time for completion should be listed here.*
- (ii) *In the case of a major alternative to any part of the work, a separate Bill of Quantities, programme, etc, and a detailed statement setting out the salient features of the proposed alternatives must accompany the tender.*
- (iii) *Alternative tenders involving technical modifications to the design of the works and methods of construction shall be treated separately from the main tender offer.*

(3) QUALIFICATIONS

ITEM ON WHICH QUALIFICATION IS MADE	DESCRIPTION OF QUALIFICATION

- (i) *The Tenderer must give full details of the discounts offered in a covering letter attached to his tender, failing which, the offer will be prejudiced.*

If there is insufficient space above, the Bidder may append additional sheets.

Number of additional sheets appended by the Bidder to this Schedule (If nil, enter NIL)

SIGNED BY/ON BEHALF OF BIDDER:

NAME		SIGNATURE	DATE

B14. RECORD OF ADDENDA TO TENDER DOCUMENTS

We confirm that the following communications received from the Employer before the submission of this tender offer, amending the tender documents, have been considered in this tender offer:		
No.	Date	Title or Details
1.		
2.		
3.		
4.		
5.		
6.		
7.		
8.		
9.		
10.		
11.		

If there is insufficient space above, the Bidder may include the additional sheets in the Supporting Documentation file, to be submitted in accordance with Clause C2.13.3 of T1.2.2 Variations to the Standard Conditions of Tender.

Number of additional sheets submitted by the Bidder in respect of this Schedule (If nil, enter NIL)

SIGNED BY/ON BEHALF OF BIDDER:

NAME		SIGNATURE	DATE

B15. JOINT VENTURE, CONSORTIUM OR PARTNERSHIP AGREEMENT (IF APPLICABLE)

If the bidder is a Joint Venture, Consortium or Partnership, a certified copy of the signed Joint Venture, Consortium or Partnership Agreement must be attached to this Schedule as per the requirements of Clause C.2.1.1 of the T1.2: Variations to the Standard Conditions of Tender.

SIGNED BY/ON BEHALF OF BIDDER:

NAME		SIGNATURE	DATE

D1: Scope of Works

Number	Heading	Pages
D1.1	Background to the National Research Foundation and the Square Kilometre Array	57
D1.2	Scope of Work	58

D1.1 BACKGROUND TO THE NATIONAL RESEARCH FOUNDATION AND THE SQUARE KILOMETRE ARRAY

The National Research Foundation (“NRF”) is a juristic person established in terms of section 2 of the National Research Foundation Act, Act 23 of 1998. The NRF supports and promotes research and human capital development through funding, the provision of National Research Facilities and science outreach platforms and programmes to the broader community in all fields of science and technology, including natural science, engineering, social science and humanities. The NRF is a Schedule 3A entity in terms of the Public Finance Management Act of 1999 (Act 1 of 1999 as amended by Act 29 of 2000).

The South African Radio Astronomy Observatory (SARAO), a facility of the National Research Foundation, is responsible for managing all radio astronomy initiatives and facilities in South Africa, including the MeerKAT Radio Telescope in the Karoo, and the Geodesy and VLBI activities at the HartRAO facility. SARAO also coordinates the African Very Long Baseline Interferometry Network (AVN) for the eight SKA partner countries in Africa, as well as South Africa’s contribution to the infrastructure and engineering planning for the Square Kilometre Array (SKA) Radio Telescope. To maximise the return on South Africa’s investment in radio astronomy, SARAO is managing programmes to create capacity in radio astronomy science and engineering research, and the technical capacity required to support site operations. In the reference documentation, SKA SA is understood to mean SARAO.

South Africa and its 8 African partner countries were jointly awarded the SKA together with Australia. The SKA will be Africa’s largest science project which will be a hub for both local and international collaboration. The SKA Organisation has been established with its headquarters at Jodrell Bank in Manchester, United Kingdom. The five key science projects that will be undertaken by the SKA include:

- Probing the Dark Ages
- Galaxy Evolution
- The Origin and Evolution of Cosmic Magnetism
- Strong Field Tests of Gravity using Pulsars and Black Holes
- The Cradle of Life.

The first phase of the SKA1-MID project includes the addition of 133 antennas to the 64-dish MeerKAT radio telescope and the second phase of the project and will include up to 2000 antennas distributed across South Africa and its eight African partner countries.

SARAO has offices based in Johannesburg and Cape Town, as well as the HartRAO facility at Hartebeesthoek and 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.

Further information about SARAO can be found on www.ska.ac.za and the international SKA on www.skatelescope.org.za

D.1.2 SCOPE OF WORKS

The purpose of this project is to assist in removal of internal fences in order for SANParks to undertake their responsibility as a land management authority. The objective of this project is to comply with the requirements of SANParks as outlined on the South African Site Information & Instructions: SKA1_MID EMPr Chapter 5. The Process of works will be labour intensive for removal of farm internal fences including the camps and detailed record keeping. The process outlined in the scope of works Appendix A Land Management: Removal of Internal fencing L0100-0000-005 attached.

D.1.2.1 CONTEXT OF THE PROCUREMENT NEED

The South African Radio Astronomy Observatory (SARAO) embarked on a land acquisition programme during 2015 to 2017 to acquire identified portions of land to enable the construction and protection of the Square Kilometre Array (SKA) Radio Telescope. South Africa, in collaboration with Australia were jointly awarded the SKA Project in 2012.

SARAO has secured 40 portions of land as part of the SKA land acquisition programme. This equates to 135 245 hectares of land which forms part of the NRF-owned land where 80% of the SKA Radio Telescope will be established.

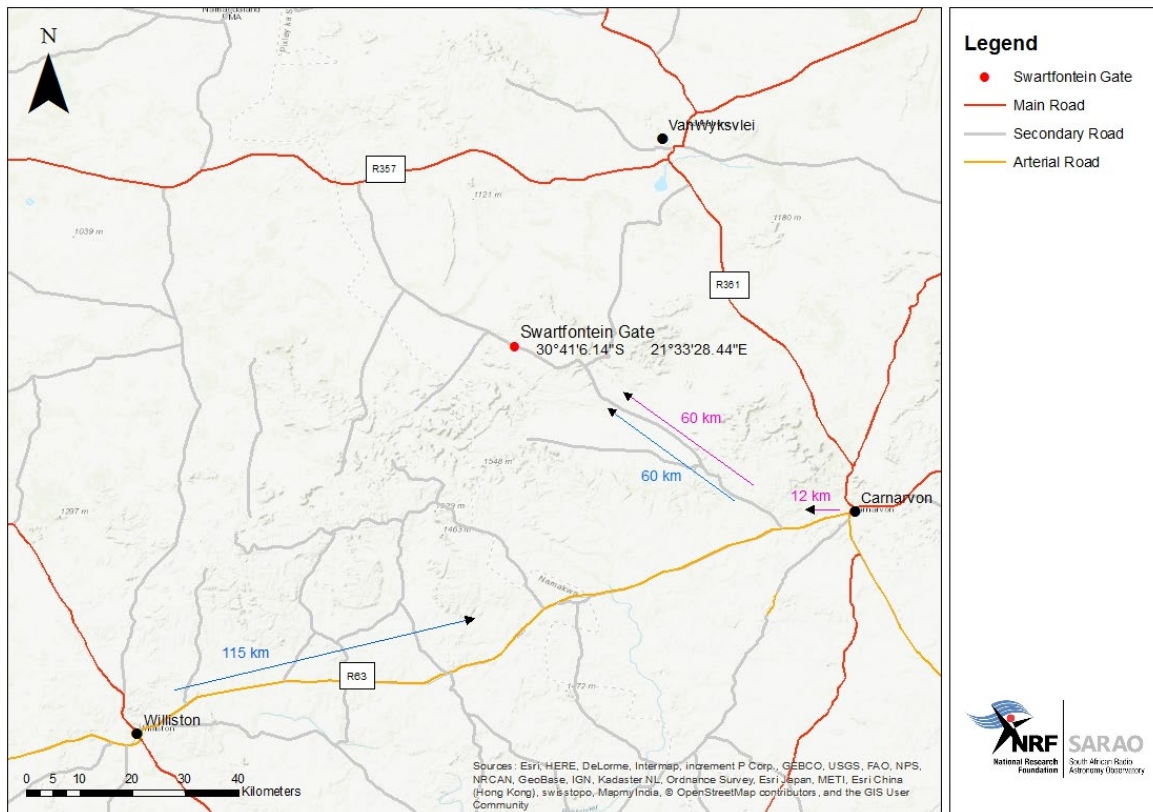
In September 2019 a Management Agreement was concluded between the National Research Foundation and South African National Parks (SANParks) to appoint SANParks as the land management authority on behalf of the NRF. This appointment is in line with the management outcomes defined in the Integrated Environmental Management Plan approved by the Minister of Environmental Affairs to appoint an appropriate conservation management agency for the maintenance and management of the NRF-owned land. The land management responsibility is derived from South Africa's offer to host the SKA telescope and provide a site for the construction and operation of the radio telescope.

To enable SANParks to undertake their functions as per the management agreement as the land management authority the necessary infrastructure and accommodation need to be made available by SARAO. During March 2020, the NRF-owned land was declared as the Meerkat National Park by the Minister of Environment, Forestry and Fisheries.

D.1.2.2 LOCALITY

The SKA1_MID telescope site is in the Northern Cape Province, surrounded by the towns of Carnarvon, Williston, Brandvlei and Van Wyksvlei, as indicated in Figure 1 below.

The SKA1_MID site is approximately 650km and 900km from Cape Town and Johannesburg city centres respectively, and approximately 90 km WNW of the town of Carnarvon. Access to the site is via a provincial tar (sealed) road.



GPS Coordinates:

[Johannesburg to Karoo Hoogland Municipality - Google Maps](#)

[Cape Town to Karoo Hoogland Municipality - Google Maps](#)

D.1.2.3 SCOPE OF WORK SUMMARY

SARAO is seeking to appoint a service provider to implement the specifications contained in Appendix A Land Management: Removal of Internal fencing L0100-0000-005 of this document -

APPOINTMENT OF A CONTRACTOR TO REMOVE INTERNAL FENCES IN THE SAN PARKS NATIONAL PARK, NORTHERN CAPE FOR A PERIOD OF 12 MONTHS

D.1.2.4 LEGAL, ENVIRONMENTAL, HEALTH AND SAFETY

Tenderers are to note the requirements of the Occupational Health and Safety Act No. 85 of 1993 and the latest amended Construction Regulations (2014) issued in terms of Section 43 of the Act. The Tenderer shall be deemed to have read and fully understood the requirements of the above Act and Regulations and to have allowed for all costs in compliance therewith.

Note: Compliance with Health and Safety requirements will be in accordance with *Health and Safety Specification and Baseline Risk Assessment: Appendix E of this document.*

Health and Safety file will not be evaluated in this bid however THE SUCCESSFUL BIDDER WILL BE MANDATED TO SUBMIT ALL DOCUMENTATION REQUIRED FOR COMPLIANCE WITH ENVIRONMENTAL REQUIREMENTS BEFORE WORKS CAN BEGIN.

Note: Compliance with Environmental requirements will be in accordance with *Integrated Environmental Management Plan (IEMP), National Environmental Management Act 107 of 1998 and NEMA: Waste Act no 59 of 2008.*

All relevant legal requirements with regards to *OHS Act 85 of 1993 as amended and applicable regulations, Integrated Environmental Management Plan (IEMP), National Environmental Management Act 107 of 1998, NEMA: Waste Act no 59 of 2008, and Municipal By-laws* will be adhered to. It will be the contractor's responsibility to make themselves aware of these laws and acts.

All surplus or waste material is to be removed from the site by the contractor and disposed of in an environmentally responsible manner in accordance with *NEMA: Waste Act no 59 of 2008 as amended* and applicable regulations where these exist. Disposal certificates must be presented to SARAO (South African Radio Astronomy Observatory) or their appointed representative.

Note: There is no registered Landfill site in Carnarvon. Bidders must make provision for disposal at any other registered Landfill site where this requirement is applicable.

All usable surplus material that was supplied by SARAO or their appointed agent must be returned to an agreed location.

Any temporary work sites or storage areas used during the delivery of this project are to be decommissioned and restored to the satisfaction of the landowner. Temporary storage areas for materials can be made available at the SARAO facilities, by prior arrangement to be agreed with the SARAO Site Manager.

Reliable two-way communication is required across the telescope site to comply with Health and Safety requirements. The telescope site is a controlled radio-quiet zone. Two-way radios operating in an approved frequency band are obtainable for use from the SARAO (South African Radio Astronomy Observatory) Site Manager on payment of a specified deposit and must be returned to the Site Manager on completion of the project. All electronics devices are prohibited at the telescope site, with the exclusion of devices and equipment approved and issued with a permit by SARAO (this requirement is applicable to activities conducted in and around the telescope site).

D.1.2.5 SARAO SITE CONSTRAINTS, FACILITIES AND CONDITIONS

D.1.2.5.1 Available Facilities and Restrictions

SARAO will not provide any on-site accommodation to the contractor or subcontractor staff. The contractor should procure accommodation in the town of Carnarvon at their own cost. However, an office and small lockable storage area could be made available on site.

The Bidder must provide appropriate living conditions for all contractor, sub-contractor staff and consultants as none will be provided by the SKA. Living conditions shall be similar to their home living conditions or better.

The Bidder must ensure that the office space provided is well maintained and regular housekeeping is done. Random audits will be conducted by SARAO representatives to ensure this is achieved.

The Bidder is advised that SARAO has adopted a strict **No alcohol and illegal narcotic or other drugs policy** on site and shall be enforced by both the Contractor and SARAO, resulting in serious disciplinary action for offenders.

The Bidder is advised that all key personnel for this project will be screened by the Security and alcohol screening will be undertaken on all site entries.

D.1.2.5.2 Radio Frequency Interferences/EMI

SKA has a Radio Frequency Interference Policy, which all personnel and contractors on site must comply with. The bidders need to be aware that the SKA1_MID core area is a Radio sensitive area and all electronic equipment the team needs to use within the core area will need to be tested for Radio Frequency Interference (RFI) and permits will need to be issued for their use prior to gaining access to the site. The RFI concerns on site are further described in the RFI policy document SSA-0008J-001 and SA Site Information & Instructions: SKA1_MID - [SKA-TEL-SKO-0001040]

Over and above the above mentioned, the bidders need to also be aware of the following:

- Critically, all motor-driven equipment and vehicles brought to site shall be **diesel powered**. Only vehicles and motor-driven equipment declared in the bid documentation will be permitted on site, unless agreed to by the SARAO prior to commencement of the works. This includes generators, compressors, micro cable blowing equipment and cable tensioning equipment. Vehicle Bluetooth systems shall be disabled prior to arrival on site and will **remain OFF** for the duration that the vehicle is on site.
- Critically, cell phones (mobile phones) are **prohibited from being ON**, regardless of mode (i.e. flight mode operation is not permitted).
- Critically, no radio transmitters shall be operated on the site without the prior explicit approval of the SARAO for each item required.

Exceptions required by the contractor will not be evaluated; however, contractors will be required to declare upon contract award, and are subject to approval by the SARAO. Only SARAO approved devices will be permitted to operate on the site. Devices will be required to undergo testing by SARAO to determine whether they will be approved for use on site.

D1.2.6 PROJECT DEFINITION

The execution of the removal of the fence in the Contract will be broken down into distinctive phases/activities covering project life cycle.

Phase 1: *Identification of fence to be removed.*

Phase 2: *Execution of works (removal of fence).*

Phase 3: *Closeout (Site Acceptance report) outlining the land where fence was removed and land restored to desirable conditions.*

D1.2.8 Project Phases Definition

Table 2: Project Phases Definition

Activity		Action By	Documentation
Phase 1 - Review and Analysis of SARAO Reference Layout			
1.1	<i>Identification of fence to be removed.</i>	Contractor/SARAO	Contractor (Report)
Phase 2 – Execution Phase			
2.1	<i>Execution of works (removal of fence).</i>	Contractor	Contractor (tracking sheet)
Phase 3 - Closeout			
3.1	<i>(Site Acceptance report) outlining the land where fence was removed and land restored to desirable conditions.</i>	Contractor	Contractor (Report)
Phase 4 - Defects Liability Period			
4.1	Defect & Liability Period	Contractor/SARAO	SARAO

D1.2.9 Project Schedule

Upon appointment the Contractor shall draw up a detailed schedule of works for the project which shall be submitted for acceptance to SARAO within one (1) week of appointment. The total time span for the tasks shall not exceed the agreed planned time, from Kick-Off to completion.

The order of priority for delivery of farms fence removal is as follows:

Farm Name		Camps/small farms
1.	Meysdam	
2.	Losberg	
3.	Rooizand	
4.	Brakputs	1,2
5.	Botterleegte	1,2
6.	Vars Rivers	
7.	Swartfontein	1,2,3,4
8.	Rooisand	
9.	Schietpoort	1,2,3
10.	Lovedale	
11.	Bitterwater	
12.	ZoutRiver	1,2,3
13.	Jaskloof	

14.	SaaiLaagte	
15.	BlaauwHeuvel	
16.	Visserkloof	1,2,3
17.	Janseboom	
18.	Pofadderfontein	1,2,3
19.	De Hoek	
20.	Farm 4 No. 7	
21.	Farm 149 No.8	
22.	Snymanshoop	
23.	Snelskloof	
24.	Waterkloof	
25.	Dubbelde Vlei	
26.	Groot Paarde Kloof	

4) D1.2.10 SUMMARY OF SCOPE OF WORK

The purpose of this project is to assist in removal of internal fences in order for SANParks to undertake their responsibility as a land management authority. The objective of this project is to comply with the requirements of SANParks as outlined on the South African Site Information & Instructions: SKA1_MID EMP Chapter 5. The Process of works will be labour intensive for removal of farm internal fences including the camps and detailed record keeping. The process outlined in the scope of works Appendix A Land Management: Removal of Internal fencing L0100-0000-005 attached.

D1.2.11 Deliverables

D1.2.11.1 Deliverable Documents

No	Description	Responsibility	Volume 1 of 3	Volume 2 of 3	Volume 3 of 3
1	Safety, Health, Environmental Plan	Contractor	☐		
2	EMC Plan	SARAO	☐		
3	Compliance with environmental requirements	Contractor	☐		

4	Emergency Response Plan	Contractor	☐		
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D1.2.11.2 Other Contractor Undertakings

D1.2.11.2.1 Attendance at HAZOP

The Contractor shall be available to attend HAZOPs at the site or at the Client's RSA Offices and may be requested to lead the meeting.

D1.2.11.2.2 EMC Testing

With the help from SARAO the Contractor shall ensure compliance with the SKA EMI/EMC Standards and Procedures. Valid test certificates (type, routine, or special tests) proving compliance with the Control Plan emission and immunity requirements shall be provided for all equipment. Please refer to the EMC control plan document Appendix C SSA-0008J-001 provided for guidance.

D1.2.11.2.3 Existing Services

The contractor will ensure no damage/impact on existing services is incurred. Example, where excavations are being carried out where there are existing underground cables, they should be done by hand. Any damage to existing services during construction will be for the contractors account and penalties (according to contract)

D1.2.11.3.2 Warranty on Repair

A repaired item shall carry a 12-month warranty.

D1.2.11.4 DELIVERY

D1.2.11.4.1 Delivery Address

Accepted delivery points:

Item	Delivery Address
Removal of Internal Fence	PHYSICAL ADDRESS 3: Name: "Klerefontein" SKA SA Support Base, Klerefontein Northern Cape, 8925 30°58'25.9"S, 21°59'38.9"E

CONTRACTUAL CONDITIONS

The following requirements shall form part of the particular contract data conditions C1.2.2 for this tender

Note: Contractor to be aware that the works will be subjected to GCC 2010 Second Edition. The actual works will be evaluated under Core Clause 6.7 Payment and Related Matters of Sub-clause 6.7.1 Quantities

6.7.1 The quantities set out in the Bill of Quantities for a Re-measurement Contract are the estimated quantities of the work and they are not to be taken as the actual and final quantities of the Works to be executed by the Contractor in fulfilment of his obligations under the Contract.

CONSTRUCTION PROCESS (303 DAYS)

SARAO will follow a System Engineering (SE) process to realise the construction and handover the works.

The SE process will be managed internally within SARAO, with technical input and assistance from the successful Bidder as and when required. Bidders must also note that SARAO has specific configuration management for projects. All

documentation, including drawings, will be compiled on specific templates which will be issued to the successful Bidder. There will also be a specific numbering system which will be provided to the successful Bidder.

The progress meetings during execution will be held virtually / on site. These meetings will be held bi-weekly on a Wednesday or as agreed. The Bidders Project Manager will be responsible for keeping minutes for each meeting, including keeping up to date records of all Requests for Information for the project.

Time for Completion – Assessment and Construction Phase (Calendar Days)							
Assessment & Approvals (29 Calendar days)				Construction/Execution (303 Calendar days)			Defects Liability Period (12 months)
Contract Award (day 0)	On-site assessment (15 Calendar days)		SARAO Review & Approval (14 calendar days)		Construction (264 Calendar days)		Audit and Handover (10 calendar days)
							Maintenance and Support (365 Calendar days)

SARAO Assessment and Construction Phase

Assessment & Approvals (14 DAYS)

- Conduct on-site assessment including review meetings (15 Calendar days);
- SARAO Review & Approval (14 Calendar days)
- The Assessment will include the submission of the following drawings to SARAO where applicable one (1) week prior to the commencement of works:
 - i) Construction Schedule

EXECUTION (264 CALENDAR DAYS)

The Construction Project Manager and design team will be responsible for executing the following construction administration role:

- Input into content of health, safety and environmental management plan review and approval prior to construction; quality assurance plan review and approval prior to construction;
- Review and approval of the construction programme including project float, critical path items, holding points and items identified critical for integration;
- Convening weekly face to face site coordination meetings with appointed sub-contractors to ensure proper coordination and integration;
- Report on progress on implementing contract participation goals, socio-economic and skills transfer development requirements as defined in the contract;
- Prepare payment valuation for SARAO assessment, submission and approval;
- Undertaking health, safety, environmental, quality assurance audits in conjunction with SARAO team;
- Ensuring that the required design disciplines are involved in inspections as applicable to their work during construction;
- Compiling bi-weekly construction progress reports addressing the construction programme, Health and Safety and Quality, Sub Contractors, Materials on Site, progress photos, plant and equipment on site, benefits register, targeted procurement goals, socio-economic and skills transfer development;
- Providing cash-flow and expenditure reports on a monthly basis to SARAO;

HANDOVER (10 CALENDAR DAYS)

The Construction Project Manager will be responsible for executing the following during this phase:

- The contractor will submit the GPS coordinates and pictures of the removed fence to SARAO as part of the evidence.
- Material removed which is either damaged or re-usable to be delivered to designated areas by Contractor at Losberg Laydown skips separated according to type of fence and conditions. Gates, hinges, Post and droppers.
- Total removed fence, Y-Stand, Stays counted to be divided accordingly and delivered to SARAO Laydown Losberg designated area.
- The ground/surface to be cleaned and free from small wire clips, wire strands, concrete rubbles, wood droppers, screws and nails.
- Lessons learnt report, Contractor to provide SARAO with a lesson learnt report including but not limited to Technical, Management, Resource, Site and facility issues.

PERFORMANCE LEVELS

The SARAO requires the following levels of performance from the selected Bidder:

Performance Area	Required Level of Performance
<i>Completion – Assessment and Construction Phase</i>	<i>14 days</i>
On-site assessment & Approval	<i>15 days</i>
Construction	<i>264 days</i>
Handover	<i>10 days</i>
Completion of Defects Liability Period	<i>12 Months</i>

Penalties:

- Execution penalties of R 3 000 per day, to a maximum amount of 5% of the Final Contract Price will be applied should the construction contractor not meet the Required Levels of Performance defined in the Table above.

D2: Agreements and Contract Data

Number	Heading	Pages
D2.1	Form of Offer and Acceptance	68
D2.2	Contract Data	73

D2.1. Form of Offer and Acceptance Offer

The Employer, identified in the Acceptance signature block, has solicited offers to enter into a contract in respect of the following works:

NRF/SARAO PEP6/10/2022-23 - APPOINTMENT OF A CONTRACTOR TO REMOVE INTERNAL FENCES AT THE SANPARKS NATIONAL PARK, NORTHERN CAPE FOR A PERIOD OF 12 MONTHS

The bidder, identified in the offer signature block below, has examined the documents listed in the tender data and addenda thereto as listed in the Schedule of Returnable Documents, and by submitting this offer has accepted the conditions of tender.

By the representative of the bidder, deemed to be duly authorised, signing this part of this Form of Offer and Acceptance, the bidder offers to perform all of the obligations and liabilities of the contractor under the Contract including compliance with all its terms and conditions according to their true intent and meaning for an amount to be determined in accordance with the Conditions of Contract identified in the Contract Data, within the Contract Period stated below.

A) THE OFFERED TOTAL OF THE PRICES INCLUSIVE OF VALUE ADDED TAX IS:

RAND (in words);

R (in figures)

This offer may be accepted by the Employer by signing the Acceptance part of this Form of Offer and Acceptance and returning one copy of this document to the tenderer before the end of the period of validity stated in the Tender Data, whereupon the bidder becomes the party named as the Contractor in the Conditions of Contract identified in the Contract Data.

SIGNED ON BEHALF OF/BY THE BIDDER:

	NAME	SIGNATURE	
	CAPACITY	DATE	

Name and Address of Organisation:

SIGNED BY WITNESS:

NAME		SIGNATURE	DATE

Acceptance

By signing this part of this Form of Offer and Acceptance, the Employer identified below accepts the Tenderer's offer. In consideration thereof, the Employer shall pay the Contractor the amount due in accordance with the Conditions of Contract identified in the Contract Data and for the contract period offered. Acceptance of the tenderer's offer shall form an Agreement between the Employer and the Tenderer upon the terms and conditions contained in this Agreement and in the Contract that is the subject of this Agreement.

The terms of the contract are contained in:

Part D1: Scope of Work

Part D2: Agreements and Contract Data (which includes this Agreement)

Part D3: Pricing Data

and drawings and documents or parts thereof, which may be incorporated by reference into Parts D1 to D3 above.

Deviations from and amendments to the documents listed in the Tender Data and any addenda thereto as listed in the Returnable Documents as well as any changes to the terms of the Offer agreed by the Tenderer and the Employer during this process of offer and Acceptance, are contained in the Schedule of Deviations attached to and forming part of this Agreement. No amendments to or deviations from said documents are valid unless contained in this schedule which must be duly signed by the authorised representative(s) of both parties.

The tenderer shall within two weeks of signing this Agreement, including the Schedule of Deviations (if any), or when or just after this Agreement comes into effect, contact the employer's implementing agent (whose details are given in the Contract Data) to arrange the delivery of any bonds, guarantees, proof of insurance and any other documentation to be provided in terms of the Conditions of Contract identified in the Contract Data. Failure to fulfil any of these obligations in accordance with those terms shall constitute a repudiation of this agreement.

Notwithstanding anything contained herein, this Agreement comes into effect on the date of signature of this document, including the Schedule of Deviations (if any). Unless the tenderer (now Contractor) within five days of the date of such receipt notifies the Employer in writing of any reason why he cannot accept the contents of this Agreement, this Agreement shall constitute a binding contract between the parties.

SIGNED ON BEHALF OF/BY THE EMPLOYER:

NAME		SIGNATURE	
CAPACITY		DATE	

Name and Address of Organisation

SIGNED BY WITNESS:

NAME		SIGNATURE	DATE

Schedule of Deviations

Notes:

1. The extent of deviations from the tender documents issued by the Employer prior to the tender closing date is limited to those permitted in terms of the Conditions of Tender.
2. A tenderer's covering letter shall not be included in the final contract document. Should any matter in such a letter, which constitutes a deviation as aforesaid, become the subject of agreements reached during the process of Offer and Acceptance, the outcome of such Agreement shall be recorded here.
3. Any other matter arising from the process of Offer and Acceptance either as a confirmation, clarification or change to the tender documents and which it is agreed by the Parties becomes an obligation of the Contract shall also be recorded here.
4. Any change or addition to the tender documents arising from the above Agreements and recorded here shall also be incorporated into the final draft of the Contract.

1. Subject

Details

2. Subject

Details

3. Subject

Details

4. Subject

Details

By the duly authorised representatives signing this Schedule of Deviations, the Employer and the Tenderer agree to and accept the foregoing Schedule of Deviations as the only deviations from and amendments to the documents listed in the Tender Data and addenda thereto as listed in the Returnable Documents, as well as any confirmation, clarification or changes to the terms of the offer agreed by the Tenderer and the Employer during this process of offer and Acceptance.

It is expressly agreed that no other matter whether in writing, oral communication or implied during the period between the issue of the tender documents and the receipt by the Tenderer of a completed signed copy of this Agreement shall have any meaning or effect in the contract between the parties arising from this Agreement.

Schedule of Deviations (continued)

SIGNED ON BEHALF OF/BY THE BIDDER *(only on award of Contract):*

	NAME		SIGNATURE
	CAPACITY		DATE

SIGNED BY WITNESS *(only on award of Contract):*

	NAME		SIGNATURE	DATE

SIGNED ON BEHALF OF/BY THE EMPLOYER:

	NAME		SIGNATURE
	DATE		CAPACITY

SIGNED BY WITNESS:

	NAME		SIGNATURE
			DATE

CONFIRMATION OF RECEIPT

The Bidder, (now Contractor), identified in the Offer part of this Agreement hereby confirms receipt from the Employer, identified in the Acceptance part of this Agreement, of one fully completed original copy of this Agreement, including the Schedule of Deviations (if any) today:

the (day) of (month)(year)

at (place)

SIGNED ON BEHALF OF/BY THE CONTRACTOR *(only on award of Contract):*

	NAME		SIGNATURE	CAPACITY

SIGNED BY WITNESS *(only on award of Contract):*

	NAME		SIGNATURE

D2.2. Contract Data

Part 1: Contract Data Provided by the Employer

CONDITIONS OF CONTRACT

The following contract specific data, referring to the General Conditions of Contract for Construction Works, 2nd Edition, 2010, are applicable for this Contract:

No	Clause	Description
1.	1.1.1.13	The Defects Liability Period is twelve (12) months, measured from the date of the certificate of completion.
2.	1.1.1.14	The time for achieving Due completion is twelve (12) months, calculated from commencement date. There is a priority list of expected completion for which a phased delivery will be implemented.
3.	1.1.1.15	Name of the Employer is: The South African Radio Astronomy Observatory (SARAO)
4.	1.1.1.17	The Engineer's Representative is Amory Le Roux-Arries
5.	1.1.1.26	The pricing strategy is a remeasurement pricing strategy
6.	1.2.1.2	Any written communication between the parties shall have been duly delivered if sent via email.
7.	1.3.7	Add the following clause after Clause 1.3.6 – 1.3.7 The Contractor must subcontract a minimum of 30% of the works to an EME or QSE local to the Northern Cape, which is at least 51% owned by black people.
8.	3.2.3	The Employer's Agent shall obtain specific approval from the Employer before executing any of his functions or duties according to the following Clauses of the General Condition of Contract: 1. New Clause 3.2.3.1 "For expenditure on the Contract to exceed the Contract Price"; 2. Existing Clauses: 3.2.1 - Nomination of person as Employer's Agent's Representative. 5.6 – Approval of the programme 5.8 – Non-working times 5.12 - Granting of extension of time excluding Clause 5.12.2.2 (Abnormal climatic conditions) 5.13 - Reduction of penalty for delay. 5.14.2 - The issue of a Certificate of Practical Completion. 5.14.4 - The issue of a Certificate of Completion. 5.16.1 - The issue of a Final Approval Certificate. 6.3 – Variations in respect of Variations which are not small (R15 000) 6.6 - Instruction to expend on Provisional and Prime Cost Sums 6.11 - Adjustment of General Items & Approval of Claims 8.2.2.2 - Order to repair and make good damage arising from any "excepted" risk.
9.	3.2.4	Occupational Health, Safety – Public Health and the duly appointed H&S Officials has to be appointed by the contractor as Client Agents on this contract, in terms of Clause 4(5) of the Construction Regulations, 2014 as promulgated in terms of Section 43 of the Occupational Health and Safety Act, 1993. The Principal Contractor shall perform a preliminary assessment of the project generated H&S plan and submit such to Occupational Health, Safety & Wellness – Public Health for legal compliance reassessment & verification / approval prior to any works commencing. The duly appointed H&S Officials will be responsible for further monitoring and the auditing of the approved H&S plan for legal compliance.
10.	4.4.2.	Add the following to Clause 4.4.2 If, however, any of the appointed subcontractors are found to be unreliable, unreasonable or unreasonably priced, the contractor may motivate the client to have the subcontractor replaced or the subcontracting percentage reviewed.
11.	5.3.1	The documentation required prior to the Commencement of the works are: - Health and safety File - Initial Programme - Insurance - Project Team

12.	5.4.2	The access and possession of Site shall not be exclusive to the Contractor but as set out in the Site Information. The Contractor shall bear all costs and charges for special and temporary rights of way required by him in connection with access and movements on the sites in respect of EMC requirements.
13.	5.8.1.5	The cost of supervision by the Employer's Agent or his representatives outside of normal (Monday to Saturday (12:00)) working hours in accordance with this Clause, shall be to the Contractor's account.
14.	5.12.5	Add the following to Clause 5.12 5.12.5 Critical Path Provision A delay in so far as extension of time is concerned, will be regarded as a delay only if, on a claim by the Contractor in accordance with the General Conditions of Contract, the Employer's Agent rules that all progress on an item or items of work on the critical path of the approved programme for the execution of the Works by the Contractor, has been brought to a halt. Delays on normal working days only, based on a working week of five normal working days, will be taken in account for the extension of time.
15.	5.13.1	The penalty for failing to complete the works is R3000 per calendar day up to a maximum of 10% of the Contract Value.
16.	5.16.3	The latent defect period is 12 months
17.	6.2.1	The performance guarantee to be provided by the contractor is ten per cent (10%) of the contract sum
18.	6.2.3	The contractor shall ensure that the performance guarantee remain valid and enforceable until the issue of the Certificate of Completion
19.	6.10.1.5	The percentage advance on materials on site not yet built into Permanent works is 70%.
20.	6.10.6.2	Replace Clause 6.10.6.2 with the following new Clause 6.10.6.2: 6.10.6.2 No interest shall be payable to the Contractor upon any money retained or overdue in terms of the Contract.
21.		Replace Clause 8.6 with the following new Clause 8.6 Insurance Management The Contractor at their own cost in terms of Clause 8.6 effect and maintains the insurances listed below in the joint names of the NRF and the contractor. The NRF as the Client requires proof of the following insurances. 1. Contract Works insurance The minimum amount of cover for insurance against loss of or damage to the works Plant, Materials and Equipment. Value remains subject to tender but the recommended insurance sum is: R5 million. A coupon policy for Special Risks insurance issued by SASRIA must also be provided. 2. Special Insurances In addition to the insurances required above, the following must be in place in the Contractors' name: Personal Accident: The minimum amount of cover for insurance against death of or bodily injury to employees of the Contractor arising out of and in the course of their employment in connection with the contract for any one event is as prescribed by the Compensation for Occupational Injuries and Diseases Act No. 130 of 1993 and the Contractor's common law liability for people falling outside the scope of the Act.
22.	10.1.1.1.1	Add the following to Clause 10.1.1.1.1 Should the claim be related to work stoppages by either the EMEs or the local community, no extension of time will be granted without a South African Police Service case number for threats or intimidation against the parties involved.
23.	10.3.2	Amicable settlement in terms of Clause 10.4 shall be contemplated for all disputes prior to referring any dispute to adjudication or arbitration.
24.	10.5.3	The number of Adjudication Board Members to be appointed one (1).
25.	10.7.1	The determination of disputes which are unresolved in terms of Clause 10.5.3 shall be by arbitration.

Part 2: Data Provided by the Contractor

Clause 1.2.1: Delivery of Notices

The name of the Contractor is

The address of the Contractor is

Physical Address	Postal Address
Telephone:	Fax:
Email:	

SIGNED ON BEHALF OF/BY THE TENDERER:

	NAME	SIGNATURE	
CAPACITY		DATE	

D3: Pricing Data

Number	Heading	Pages
D3.1	Pricing Instructions	77
D3.2	Bill of Quantities	78

D3.1 Pricing Instructions

1. Please note that this will be a re-measurable contract as the works has been based on estimation.

Note: The actual works will be evaluated under Core Clause 6.7 of GCC 2010 Second Edition.

Payment and Related Matters of Sub-clause 6.7.1 Quantities set out in the Bill of Quantities for a Re-measurement Contract are the estimated quantities of the work and they are not to be taken as the actual and final quantities of the Works to be executed by the Contractor in fulfilment of his obligations under the Contract.

2. Price quotes are fully **inclusive** of all costs including delivery to the specified NRF site; Value Added Tax (VAT) and other taxes (this includes all disbursement and travel costs) and Consumer Price Adjustment (CPA) per annum.
3. A full breakdown of costs, including the detailed pricing schedules (Annexure A), contingencies, professional fees, travel and disbursements must be in format as set out below and, where applicable, in supporting schedules and provided.
4. The completed detailed pricing schedule shall form part of this tender submission and will be completed in **black ink or black type only**.
5. The Conditions of Contract, the Contract Data and the Scope of Work shall be read in conjunction with the Pricing Schedule.
6. The bid price must be in South African currency. Foreign exchange risk is for the account of the bidder.
7. It will be assumed that prices included in the Pricing Schedules are based on Acts, Ordinances, Regulations, By-laws, International Standards and National Standards that were published 28 days before the closing date of bids (refer to www.stanza.org.za or www.iso.org for information on standards).
8. All costs associated with compliance to the Occupational Health and Safety Act, the National Environmental Management Act and the Water Act must be included in the bidding price where applicable.
9. Where a particular make of item is specified, the words "or similar approved" shall mean approval by the client in writing.
10. It will be assumed that prices included in the Bill of Quantities are based on Acts, Ordinances, Regulations, By-laws, International Standards and National Standards that were published 28 days before the closing date of bids (refer to www.stanza.org.za or www.iso.org for information on standards).
11. **All costs associated with compliance to the Occupational Health and Safety Act, the National Environmental Management Act and the Water Act must be included in the bidding price where applicable.**

D3.2 Bill of Quantities

APPOINTMENT OF A CONTRACTOR TO REMOVE INTERNAL FENCES AT SANPARKS NATIONAL PARK, NORTHERN CAPE FOR A PERIOD OF 12 MONTHS						
Northern Cape Carnarvon						
BILL OF QUANTITIES						
ITEM		DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
		SECTION A				
		PRELIMINARY & GENERAL (P&G)				
NOTE: THIS BILL OF QUANTITIES IS TO BE PRICED IN STRICT ACCORDANCE WITH THE SCOPE OF WORKS AND APPLICABLE DRAWINGS						
NOTE: THIS BILL OF QUANTITIES SERVES AS GUIDELINE BUT ACTUAL WORKS IS RE-MEASURABLE AS PER CLAUSE 6 PAYMENT AND RELATED MATTERS, SUB-CLAUSE 6.7 MEASUREMENT OF THE WORKS						
		GENERAL				
A1		<u>FIXED-CHARGE AND VALUE-RELATED ITEMS</u>				R0.00
		<u>Contractual requirements</u>				
A1.1		a) Contractual requirements (excluding sureties)	Sum	1.00		
A1.2		b) Cost of providing a Surety Bond for the Contract	Sum	1.00		
		<u>Establishment of facilities on the site</u>				
		<u>Facilities for Contractor</u>				
A1.3		a) Offices & storage sheds	Sum	1.00		
A1.4		d) Living accommodation (off site)	Sum	1.00		
A1.5		e) Mobile Ablution and latrine facilities	Sum	1.00		
A1.6		f) Tools and equipment	Sum	1.00		
A1.7		j) Health and Safety requirements (Refer PS-10)	Sum	1.00		
A1.10		<u>Other fixed-charge obligations</u>	Sum	1.00		
A1.11		<u>Removal of site establishment</u>	Sum	1.00		
A2		<u>TIME-RELATED ITEMS [for the duration of contract]</u>				
		<u>Contractual requirements</u>				
A2.1		a) Contractual requirements (excluding sureties)	Sum	1.00		
A2.2		b) Cost of providing a surety Bond for the Contract		1.00		
		<u>Operation and maintenance of facilities on site, for duration of construction, except where otherwise stated</u>				
		<u>Facilities for Engineer</u>				
		<u>Facilities for Contractor</u>				
A2.3		a) Offices & storage sheds	Sum	1.00		

A2.4		b) Living accommodation (off site)	Sum	1.00		
A2.5		c) Mobile Ablution and latrine facilities	Sum	1.00		
A2.6		d) Tools and equipment	Sum	1.00		
A2.7		e) Two-way radio communications (Refer SoW- 9)	Sum	1.00		
A2.8		f) Health and Safety requirements (Refer SoW-6)	Sum	1.00		
A2.9		h) Consumables (site drinkable water)	Sum	1.00		
A2.10		g) Handheld GPS (Refer SoW-9)	Sum	1.00		
A2.11		k) open-topped waste container (Skips)	Sum	1.00		
A2.12		l) First aid and medical service	Sum	1.00		
A3		<u>Other -TIME-RELATED ITEMS [for the duration of contract]</u>				R0.00
A3.1		a) Allow for busses inside of security gate for transporting of labour to workplace from their home	Sum	1.00		
		b) Temporary protection, as required in terms of the project specification, of known and unknown existing services	Sum	1.00		
		c) Compliance with the Occupational Health and Safety Act and Applicable Regulations	Sum	1.00		
		d) Provision of a health and safety plan	Sum	1.00		
		e) Provision of a health and safety file	Sum	1.00		
		f) Provision of personal protective clothing and equipment	Sum	1.00		
		g) Allow for Site Vehicle for loading fence and offload at designated area at Laydown	rate/ km	1.00		
		ENVIRONMENTAL MANAGEMENT PLAN				
A3.2		Compliance with the Environmental Management Plan	Sum	1.00		
A3.3		<u>Supervision for duration of construction</u>	Sum	1.00		
A3.4		<u>Other time-related obligations</u>	Sum	1.00		
A4		<u>SUMS STATED PROVISIONALLY BY THE ENGINEER</u>				R50,000.00
		<u>For work to be executed by the Contractor and valued in terms of the "valuation of variations" clause in the conditions of contract or by an Employer nominated subcontractor</u>				
A4.1		1) Allowance for unmeasured items instructed in writing by the Engineer	sum	1.00	50000	R50,000.00
TOTAL CARRIED FORWARD TO SUMMARY						R50,000.00

ITEM	PAY	DESCRIPTION	UNIT	QUANTIT	RATE	AMOUNT
------	-----	-------------	------	---------	------	--------

	REF			Y		
		SECTION 3				
		FENCING				
1		Removal of Internal fencing				R0.00
	SARAO	PARTICULAR SCOPE: FENCING				
1.1		Waterkloof	m	53,995		
1.2		149 Farm	m	28,026		
1.3		4 Farm	m	38,695		
1.4		Visser Kloof 17	m	50,375		
1.5		Visser Kloof 18	m	39,925		
1.6		Visser Kloof 19	m	39,135		
1.7		Synmanshoop	m	59,420		
1.8		Snelskloof	m	41,085		
1.9		Dubbelde Vlei	m	36,605		
1.10		Schuiet Poort 7	m	30,895		
1.11		Schuiet Poort 6	m	33,735		
1.12		Schuiet Poort 8	m	37,055		
1.13		Botterleegte 9	m	35,565		
1.14		Botterleegte 10	m	30,685		
1.15		Lovedale	m	45,425		
1.16		Brakputs 12	m	36,975		
1.17		Brakputs 13	m	24,485		
1.18		Bitterwater	m	35,515		
1.19		Swartfontein 15	m	39,095		
1.20		Swartfontein 25	m	35,095		
1.21		Swartfontein 24	m	35,025		
1.22		Swartfontein 26	m	28,335		
1.23		Meys Dam	m	42,695		
1.24		De Hoek	m	33,785		
1.25		Zout Rivier	m	36,995		
1.26		Vars Rivier	m	35,075		
1.27		Zout Rivier 30	m	31,465		
1.28		Zout Rivier 31	m	31,045		
1.29		Rooisand	m	34,555		
1.30		Rooisand 33	m	29,175		
1.31		Pofadderfontein 21	m	32,945		
1.32		Pofadderfontein 22	m	27,495		
1.33		Pofadderfontein 23	m	36,135		
1.34		Losberg	m	36,845		
1.35		Groot Paarde Kloof	m	43,535		
1.36		Jaskloof	m	35,055		
1.37		Janseboom	m	30,935		
1.38		Saai-Laagte	m	27,095		
1.39		Blaauw Heuvel	m	36,125		

2		Single leaf state pattern farm gate complete with hinges, bolt fixings and gate lock. Size 5000 x 1150mm overall	no.	195		
TOTAL CARRIED FORWARD TO SUMMARY				1,416,101		R0.00

SUMMARY FOR BID OPENING PURPOSES (Must include both Phase 1 and phase 2)

NAME OF BIDDER:

OFFERED TOTAL: R.....
(Amount brought forward from the Form of Offer) *

* Should any discrepancy occur between this figure and that stated in the Form of Offer and Acceptance, the latter shall apply.

SIGNED BY/ON BEHALF OF BIDDER

	NAME	SIGNATURE	DATE

COMPANY STAMP

Declaration

(In respect of completeness of Tender)

I/we, the undersigned, do hereby declare that these are the properly priced Bill of Quantities forming Part D2 of this Contract Document in consecutive order upon which my/our tender for the BID NO:

SIGNED BY/ON BEHALF OF BIDDER

	NAME	SIGNATURE	DATE

APPENDIX LIST

APPENDIX A: DETAILED SCOPE OF WORK DOCUMENT

[A Detailed Scope of Works Document](#)

APPENDIX B: LIST OF DRAWINGS (SCHEMATIC LAYOUT)

[Schematic Layout](#)

APPENDIX C: SA SITE INFORMATION AND INSTRUCTION PART A&B

[SA SITE INFORMATION AND INSTRUCTION PART A](#)

[SA SITE INFORMATION AND INSTRUCTION PART B](#)

APPENDIX D: EMC CONTROL PLAN

[EMC CONTROL PLAN](#)

APPENDIX E: HEALTH AND SAFETY SPECIFICATION & BASELINE RISK ASSESSMENT

[HEALTH AND SAFETY SPECIFICATION & BASELINE RISK ASSESSMENT](#)