

Bid Number : SAWS-270/21

The procurement of High-Performance Computing (HPC) system with storage and Hierarchical Storage Management (HSM) through a consumption based services model, leasing, or outright purchase option for the South African Weather Service

Closing Date and Time: 11h00 on 15 October 2021

Validity Period: 60 days from closing date of bid

BRIEFING SESSION

Date:	28 September 2021
Time:	10h00 (10:00am)
Venue:	The briefing session will be held online via MICROSOFT TEAMS
Compulsory:	Yes
RSVP:	In order to be invited to the compulsory briefing session on Microsoft TEAMS prospective bidders must provide their details in order to be included in the TEAMS meeting invitation. Prospective bidders must provide the following information on or before Wednesday, 22 September 2021 to the South African Weather Service at bids@weathersa.co.za - email subject line: SAWS-270/21 Briefing Session Invite Request - Name of Firm: - Contact person: - Telephone number: - Email address to where the meeting invitation must be sent to:

BID DOCUMENTS MUST BE DEPOSITED IN THE BID BOX WHICH IS SITUATED AT:

South African Weather Service
Eco Glades Block 1B
Cnr. Olievenhoutbosch and Ribbon Grass Streets
Centurion, 0157

ENQUIRIES:

Any clarification required by a bidder regarding the meaning or interpretation of the document or any aspect concerning the submission is to be requested **in writing** from:

SCM: Acquisition Department South African Weather Service Email: bids@weathersa.co.za

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PART A

INVITATION TO BID

YOU ARE HEREBY INVITED TO BID FOR REQUIREMENTS OF SOUTH AFRICAN WEATHER SERVICE

1 SUPPLIER INFORMATION

The following section must be completed by the bidder. Failure to do so may result in the offer being rejected.

NAME OF BIDDER					
POSTAL ADDRESS					
STREET ADDRESS					
TELEPHONE NUMBER	CODE		NUMBER		
CELLPHONE NUMBER					
FACSIMILE NUMBER	CODE		NUMBER		
E-MAIL ADDRESS					
VAT REGISTRATION NUMBER					
SUPPLIER COMPLIANCE STATUS	TAX COMPLIANCE SYSTEM PIN:		OR	CENTRAL SUPPLIER DATABASE No:	MAAA
B-BBEE STATUS LEVEL VERIFICATION CERTIFICATE	[TICK APPLICABLE BOX] ☐ Yes ☐ No		B-BBEE STATUS LEVEL SWORN AFFIDAVIT		[TICK APPLICABLE BOX] ☐ Yes ☐ No
[A B-BBEE STATUS LEVEL VERIFICATION CERTIFICATE / SWORN AFFIDAVIT (FOR EMES & QSEs) MUST BE SUBMITTED IN ORDER TO QUALIFY FOR PREFERENCE POINTS FOR B-BBEE]					

ARE YOU THE ACCREDITED REPRESENTATIVE IN SOUTH AFRICA FOR THE GOODS /SERVICES /WORKS OFFERED?	☐ Yes ☐ No [IF YES ENCLOSE PROOF]	ARE YOU A FOREIGN BASED SUPPLIER FOR THE GOODS /SERVICES /WORKS OFFERED?	☐ Yes ☐ No [IF YES, ANSWER THE QUESTIONNAIRE BELOW]
QUESTIONNAIRE TO BIDDING FOREIGN SUPPLIERS			
IS THE ENTITY A RESIDENT OF THE REPUBLIC OF SOUTH AFRICA (RSA)? ☐ YES ☐ NO DOES THE ENTITY HAVE A BRANCH IN THE RSA? ☐ YES ☐ NO DOES THE ENTITY HAVE A PERMANENT ESTABLISHMENT IN THE RSA? ☐ YES ☐ NO DOES THE ENTITY HAVE ANY SOURCE OF INCOME IN THE RSA? ☐ YES ☐ NO IS THE ENTITY LIABLE IN THE RSA FOR ANY FORM OF TAXATION? ☐ YES ☐ NO IF THE ANSWER IS “NO” TO ALL OF THE ABOVE, THEN IT IS NOT A REQUIREMENT TO REGISTER FOR A TAX COMPLIANCE STATUS SYSTEM PIN CODE FROM THE SOUTH AFRICAN REVENUE SERVICE (SARS) AND IF YES REGISTER AS PER 2.3 BELOW.			

PART B TERMS AND CONDITIONS FOR BIDDING

1. BID SUBMISSION

- 1.1 Bids must be delivered by the stipulated time to the correct address. Late bids will not be accepted for consideration.
- 1.2 **All bids must be submitted on the official forms provided – (not to be re-typed) or in the manner prescribed in the bid document.**
- 1.3 This bid is subject to the Preferential Procurement Policy Framework Act, 2000 and the Preferential Procurement Regulations, 2017, the General Conditions of Contract (GCC) and, if applicable, any other Special Conditions of Contract (SCC).
- 1.4 **The successful bidder will be required to fill in and sign a written contract form (SBD7).**
- 1.5 Bidders are advised to initial all pages of their bid.
- 1.6 This is a **2-Envelope** bidding process whereby bidders are required to submit the bid documentation in the following order. Should the bid allow for the Electronic Submission all documentation should preferably be submitted in PDF format. The South African Weather Service (SAWS) reserves the right to reject a bid should it not be submitted in the prescribed format.

Envelope 1 must contain the following information:

- Invitation to Bid: Annexure A
- General Conditions of Contract: Annexure B
- Declaration of Interest: Annexure C
- Declaration of bidder past Supply Chain Management practices: Annexure D
- Certificate of Independent Bid Determination: Annexure E
- Preference points claim form in terms of the Preferential Procurement Regulations, 2017 accompanied by the B-BEE Certificate: Annexure F
- Pricing Schedule and Financial Proposal: Annexure G

Bidders must include in Envelope 1 a flash disk (memory stick) of all the documentation, preferably in pdf format, of the documents included in Envelope 1 as well as the documents in Envelope 2.

Envelope 2 must contain the following information:

- Specifications / Terms of Reference, Annexure H, together with the bidder's response to Annexure H (Technical Proposal).

Information that must appear on the outside of each envelope:

- Envelope 1 : Financial Proposal
 - Bid / RFQ Number e.g. SAWS-987 / 20
 - Closing Date of bid e.g. 5 November 2030

- Name of bidder e.g. XYZ Enterprises CC
- Contact Person e.g. J. Doe
- Contact number e.g. 012 555 5555

- Envelope 2 : Technical Proposal
 - Bid / RFQ Number e.g. SAWS-987 / 20
 - Closing Date of bid e.g. 5 November 2020
 - Name of bidder e.g. XYZ Enterprises CC
 - Contact Person e.g. J. Doe
 - Contact number e.g. 012 555 5555

1.7 The South African Weather Service (SAWS) is not bound to accept any of the offers submitted and reserves the right to:

- 1.7.1 Reject bids that are not according to Specifications / Terms of Reference;
- 1.7.2 Reject bids with incomplete standard bidding documents (SBD's);
- 1.7.3 Request further information from any bidder after the closing date of the bid for clarity purposes;
- 1.7.4 Conduct site inspection/s to verify the infrastructure of bidders before final selection and award;
- 1.7.5 Not to award the bid if the bid price is not market related;
- 1.7.6 Not to award the bid to a bidder whose tax matters have not been declared by the SARS to be in order;
- 1.7.7 Negotiate a market related price with the preferred bidder as per Regulation 6.(9)(a,b & c) of the Preferential Procurement Regulations, 2017 which was issued in terms of section 5 of the Preferential Procurement Policy Framework Act, 2000 (Act No. 5 of 2000);
- 1.7.8 Reject a bid if the bidder has committed a proven corrupt or fraudulent act in competing for any contract;
- 1.7.9 Conduct reference / background checks on bidders and / or individuals to, among other things, verify information provided by a bidder, confirm a firm's existence and track record, identify its owners and affiliations or verify an individual's educational and professional credentials.

1.8 The South African Weather Service may, prior to award of the bid, cancel the bid if:

- 1.8.1 Due to changed circumstances, there is no longer a need for the goods or services requested;
- 1.8.2 Funds are no longer available to cover the total envisaged expenditure;
- 1.8.3 No acceptable tenders are received;
- 1.8.4 Due to material irregularities in the tender process.

1.9 Any effort or attempt by a bidder to influence the award decision in any matter may result in the rejection of the bid.

1.10 Costs incurred by the bidder in respect of attending any briefing / information / site visit / presentation will be borne by the bidder and the South African Weather Service will not be liable to

reimburse such costs incurred by the bidder or his/her representative/s.

- 1.11 Cost incurred by the bidder in preparing and submission of any bid proposal will be borne by the bidder and the South African Weather Service will not be liable to reimburse such costs incurred by the bidder or his/her representative/s.
- 1.12 The South African Weather Service shall on receipt of any proposal relating to this bid become the owner thereof and shall not be obliged to return any proposal.
- 1.13 The bidders shall indemnify the South African Weather Service against all third-party claims of infringement of patent, trademark, or industrial design rights arising from the use of the goods or any part thereof by the South African Weather Service.
- 1.14 The South African Weather Service reserves the right to request a bidder's latest audited financial statements prior to the award of the bid in order to ascertain financial stability of the bidder. Failure by a bidder to provide such information upon request may result in the rejection of the bid submitted by the bidder.
- 1.15 Subcontracting: Tenderers or contractors must submit proof of subcontracting between the main tenderer and the subcontractor. Proof of subcontracting arrangement may include a subcontracting agreement between the main tenderer and the subcontractor.
- 1.16 The SAWS reserves the right to request final presentation only to the short listed bidders to the evaluation committee. The shortlisted service providers will be subjected to present their service offering in line with the bid requirements/scope of work. The SAWS might also conduct site visit to ensure the firm existence and validate the firm's proposed capacity/employees and administration office.
- 1.17 The service provider must have duly approved operational premises with the necessary infrastructure to provide services and relevant accreditation by the relevant body. Before the awarding of the tender a due diligence site visit will be carried out at the premises of the service provider.
- 1.18 Supplier Performance Management is viewed by the SAWS as critical component in ensuring value for money acquisition and good supplier relations between the SAWS and all its suppliers. The successful bidders shall upon receipt of written notification of an award, be required to conclude a SLA with the SAWS, which will form an integral part of the supply agreement. The SLA will serve as a tool to measure, monitor and assess the supplier's performance level and ensure effective delivery of service, quality and value-add to SAWS's business. Successful bidders are required to comply with the above condition, and also provide a scorecard on how their product / service offering is being measured to achieve the objectives of this condition.
- 1.19 The SAWS respects your privacy and acknowledge that your submission/s will contain personal details, which may belong to you, others and / or to your company (Personal Information). By sending us your submissions, you expressly give us consent to process and further process the Personal Information contained therein which processing will be done in accordance with POPIA, the SAWS POPIA policy and our standard section 18 informed consent documentation which sets out why we need the Personal Information, what we will do with it, and who we will share it with, which you are to familiarise yourself with by downloading it from our website i.e. www.weathersa.co.za

- 1.20 Unless stated otherwise in this Bid or as mutually agreed upon by both parties prior to award of the Bid, all payments due to creditors for goods delivered / services rendered will be settled within thirty (30) days from receipt of an invoice.

2. TAX COMPLIANCE REQUIREMENTS

- 2.1 Bidders must ensure compliance with their tax obligations.
- 2.2 Bidders are required to submit their unique Personal Identification Number (PIN) issued by the South African Revenue Service (SARS) to enable the South African Weather Service to verify the taxpayer's (Bidder's) profile and tax status.
- 2.3 Application for a Tax Compliance Status (TCS) Pin may be made via e-filing through the SARS website www.sars.gov.za
- 2.4 Bidders may also submit a printed Tax Compliance Status (TCS) certificate together with the bid.
- 2.5 In bids where consortia / joint ventures / sub-contractors are involved **each** party must submit a separate TCS certificate / Pin / CSD number.
- 2.6 Where no TCS Pin is available but the bidder is registered on the Central Supplier Database (CSD), a CSD number must be provided.
- 2.7 No bids will be considered from persons in the service of the state, companies with directors who are persons in the service of the state, or close corporations with members persons in the service of the state.
- 2.8 Foreign suppliers with neither South African tax obligations nor history of doing business in South Africa must complete the questionnaire on page 2 and 3 of Annexure A. In instances where a recommendation for award of a bid will be made to a foreign bidder, the South African Weather Service will submit the bidders completed Annexure A bid document to the South African Revenue Service. The South African Revenue Service will then issue a confirmation of tax obligations letter to the South African Weather Service confirming whether or not the foreign entity has tax obligations in South Africa.

NB: FAILURE TO PROVIDE / OR COMPLY WITH ANY OF THE ABOVE PARTICULARS MAY RENDER THE BID INVALID.

PART C
DECLARATION BY BIDDER

I, in my capacity as
..... hereby declare that I have read and
understood the contents and conditions of this bid and certify that the information furnished is true
and correct. I accept that, in addition to cancellation of a contract, action may be taken against me
should the information provided prove to be false.

Signature:

Date:

Annexure B

General Conditions of Contract

THE NATIONAL TREASURY

Republic of South Africa



GOVERNMENT PROCUREMENT: GENERAL CONDITIONS OF CONTRACT

July 2010

GOVERNMENT PROCUREMENT
GENERAL CONDITIONS OF CONTRACT
July 2010

NOTES

The purpose of this document is to:

- (i) Draw special attention to certain general conditions applicable to government bids, contracts and orders; and
- (ii) To ensure that clients be familiar with regard to the rights and obligations of all parties involved in doing business with government.

In this document words in the singular also mean in the plural and vice versa and words in the masculine also mean in the feminine and neuter.

☐ The General Conditions of Contract will form part of all bid documents and may not be amended.

☐ Special Conditions of Contract (SCC) relevant to a specific bid, should be compiled separately for every bid (if applicable) and will supplement the General Conditions of Contract. Whenever there is a conflict, the provisions in the SCC shall prevail.

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General Conditions of Contract

1. Definitions

1. The following terms shall be interpreted as indicated:
 - 1.1 “Closing time” means the date and hour specified in the bidding documents for the receipt of bids.
 - 1.2 “Contract” means the written agreement entered into between the purchaser and the supplier, as recorded in the contract form signed by the parties, including all attachments and appendices thereto and all documents incorporated by reference therein.
 - 1.3 “Contract price” means the price payable to the supplier under the contract for the full and proper performance of his contractual obligations.
 - 1.4 “Corrupt practice” means the offering, giving, receiving, or soliciting of any thing of value to influence the action of a public official in the procurement process or in contract execution.
 - 1.5 "Countervailing duties" are imposed in cases where an enterprise abroad is subsidized by its government and encouraged to market its products internationally.
 - 1.6 “Country of origin” means the place where the goods were mined, grown or produced or from which the services are supplied. Goods are produced when, through manufacturing, processing or substantial and major assembly of components, a commercially recognized new product results that is substantially different in basic characteristics or in purpose or utility from its components.
 - 1.7 “Day” means calendar day.
 - 1.8 “Delivery” means delivery in compliance of the conditions of the contract or order.
 - 1.9 “Delivery ex stock” means immediate delivery directly from stock actually on hand.
 - 1.10 “Delivery into consignees store or to his site” means delivered and unloaded in the specified store or depot or on the specified site in compliance with the conditions of the contract or order, the supplier bearing all risks and charges involved until the supplies are so delivered and a valid receipt is obtained.
 - 1.11 "Dumping" occurs when a private enterprise abroad market its goods on own initiative in the RSA at lower prices than that of the country of origin and which have the potential to harm the local industries in the

RSA.

- 1.12 "Force majeure" means an event beyond the control of the supplier and not involving the supplier's fault or negligence and not foreseeable. Such events may include, but is not restricted to, acts of the purchaser in its sovereign capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions and freight embargoes.
- 1.13 "Fraudulent practice" means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of any bidder, and includes collusive practice among bidders (prior to or after bid submission) designed to establish bid prices at artificial non-competitive levels and to deprive the bidder of the benefits of free and open competition.
- 1.14 "GCC" means the General Conditions of Contract.
- 1.15 "Goods" means all of the equipment, machinery, and/or other materials that the supplier is required to supply to the purchaser under the contract.
- 1.16 "Imported content" means that portion of the bidding price represented by the cost of components, parts or materials which have been or are still to be imported (whether by the supplier or his subcontractors) and which costs are inclusive of the costs abroad, plus freight and other direct importation costs such as landing costs, dock dues, import duty, sales duty or other similar tax or duty at the South African place of entry as well as transportation and handling charges to the factory in the Republic where the supplies covered by the bid will be manufactured.
- 1.17 "Local content" means that portion of the bidding price which is not included in the imported content provided that local manufacture does take place.
- 1.18 "Manufacture" means the production of products in a factory using labour, materials, components and machinery and includes other related value-adding activities.
- 1.19 "Order" means an official written order issued for the supply of goods or works or the rendering of a service.
- 1.20 "Project site," where applicable, means the place indicated in bidding documents.
- 1.21 "Purchaser" means the organization purchasing the goods.
- 1.22 "Republic" means the Republic of South Africa.
- 1.23 "SCC" means the Special Conditions of Contract.
- 1.24 "Services" means those functional services ancillary to the supply of the goods, such as transportation and any other incidental services, such as installation, commissioning, provision of technical assistance, training, catering, gardening, security, maintenance and other such

obligations of the supplier covered under the contract.

1.25 “Written” or “in writing” means handwritten in ink or any form of electronic or mechanical writing.

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| 2. Application | <p>2.1 These general conditions are applicable to all bids, contracts and orders including bids for functional and professional services, sales, hiring, letting and the granting or acquiring of rights, but excluding immovable property, unless otherwise indicated in the bidding documents.</p> <p>2.2 Where applicable, special conditions of contract are also laid down to cover specific supplies, services or works.</p> <p>2.3 Where such special conditions of contract are in conflict with these general conditions, the special conditions shall apply.</p> |
| 3. General | <p>3.1 Unless otherwise indicated in the bidding documents, the purchaser shall not be liable for any expense incurred in the preparation and submission of a bid. Where applicable a non-refundable fee for documents may be charged.</p> <p>3.2 With certain exceptions, invitations to bid are only published in the Government Tender Bulletin. The Government Tender Bulletin may be obtained directly from the Government Printer, Private Bag X85, Pretoria 0001, or accessed electronically from www.treasury.gov.za</p> |
| 4. Standards | <p>4.1 The goods supplied shall conform to the standards mentioned in the bidding documents and specifications.</p> |
| 5. Use of contract documents and information; inspection. | <p>5.1 The supplier shall not, without the purchaser’s prior written consent, disclose the contract, or any provision thereof, or any specification, plan, drawing, pattern, sample, or information furnished by or on behalf of the purchaser in connection therewith, to any person other than a person employed by the supplier in the performance of the contract. Disclosure to any such employed person shall be made in confidence and shall extend only so far as may be necessary for purposes of such performance.</p> <p>5.2 The supplier shall not, without the purchaser’s prior written consent, make use of any document or information mentioned in GCC clause 5.1 except for purposes of performing the contract.</p> <p>5.3 Any document, other than the contract itself mentioned in GCC clause 5.1 shall remain the property of the purchaser and shall be returned (all copies) to the purchaser on completion of the supplier’s performance under the contract if so required by the purchaser.</p> <p>5.4 The supplier shall permit the purchaser to inspect the supplier’s records relating to the performance of the supplier and to have them audited by auditors appointed by the purchaser, if so required by the purchaser.</p> |
| 6. Patent rights | <p>6.1 The supplier shall indemnify the purchaser against all third-party claims of infringement of patent, trademark, or industrial design rights arising from use of the goods or any part thereof by the purchaser.</p> |

7. Performance security

- 7.1 Within thirty (30) days of receipt of the notification of contract award, the successful bidder shall furnish to the purchaser the performance security of the amount specified in SCC.
- 7.2 The proceeds of the performance security shall be payable to the purchaser as compensation for any loss resulting from the supplier's failure to complete his obligations under the contract.
- 7.3 The performance security shall be denominated in the currency of the contract, or in a freely convertible currency acceptable to the purchaser and shall be in one of the following forms:
- (a) a bank guarantee or an irrevocable letter of credit issued by a reputable bank located in the purchaser's country or abroad, acceptable to the purchaser, in the form provided in the bidding documents or another form acceptable to the purchaser; or
 - (b) a cashier's or certified cheque
- 7.4 The performance security will be discharged by the purchaser and returned to the supplier not later than thirty (30) days following the date of completion of the supplier's performance obligations under the contract, including any warranty obligations, unless otherwise specified in SCC.

8. Inspections, tests and analyses

- 8.1 All pre-bidding testing will be for the account of the bidder.
- 8.2 If it is a bid condition that supplies to be produced or services to be rendered should at any stage during production or execution or on completion be subject to inspection, the premises of the bidder or contractor shall be open, at all reasonable hours, for inspection by a representative of the Department or an organization acting on behalf of the Department.
- 8.3 If there are no inspection requirements indicated in the bidding documents and no mention is made in the contract, but during the contract period it is decided that inspections shall be carried out, the purchaser shall itself make the necessary arrangements, including payment arrangements with the testing authority concerned.
- 8.4 If the inspections, tests and analyses referred to in clauses 8.2 and 8.3 show the supplies to be in accordance with the contract requirements, the cost of the inspections, tests and analyses shall be defrayed by the purchaser.
- 8.5 Where the supplies or services referred to in clauses 8.2 and 8.3 do not comply with the contract requirements, irrespective of whether such supplies or services are accepted or not, the cost in connection with these inspections, tests or analyses shall be defrayed by the supplier.
- 8.6 Supplies and services which are referred to in clauses 8.2 and 8.3 and which do not comply with the contract requirements may be rejected.
- 8.7 Any contract supplies may on or after delivery be inspected, tested or

analyzed and may be rejected if found not to comply with the requirements of the contract. Such rejected supplies shall be held at the cost and risk of the supplier who shall, when called upon, remove them immediately at his own cost and forthwith substitute them with supplies which do comply with the requirements of the contract. Failing such removal the rejected supplies shall be returned at the suppliers cost and risk. Should the supplier fail to provide the substitute supplies forthwith, the purchaser may, without giving the supplier further opportunity to substitute the rejected supplies, purchase such supplies as may be necessary at the expense of the supplier.

- 8.8 The provisions of clauses 8.4 to 8.7 shall not prejudice the right of the purchaser to cancel the contract on account of a breach of the conditions thereof, or to act in terms of Clause 23 of GCC.

9. Packing

- 9.1 The supplier shall provide such packing of the goods as is required to prevent their damage or deterioration during transit to their final destination, as indicated in the contract. The packing shall be sufficient to withstand, without limitation, rough handling during transit and exposure to extreme temperatures, salt and precipitation during transit, and open storage. Packing, case size and weights shall take into consideration, where appropriate, the remoteness of the goods' final destination and the absence of heavy handling facilities at all points in transit.
- 9.2 The packing, marking, and documentation within and outside the packages shall comply strictly with such special requirements as shall be expressly provided for in the contract, including additional requirements, if any, specified in SCC, and in any subsequent instructions ordered by the purchaser.

10. Delivery and documents

- 10.1 Delivery of the goods shall be made by the supplier in accordance with the terms specified in the contract. The details of shipping and/or other documents to be furnished by the supplier are specified in SCC.
- 10.2 Documents to be submitted by the supplier are specified in SCC.

11. Insurance

- 11.1 The goods supplied under the contract shall be fully insured in a freely convertible currency against loss or damage incidental to manufacture or acquisition, transportation, storage and delivery in the manner specified in the SCC.

12. Transportation

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

13. Incidental services

- 13.1 The supplier may be required to provide any or all of the following services, including additional services, if any, specified in SCC:
- (a) performance or supervision of on-site assembly and/or commissioning of the supplied goods;
 - (b) furnishing of tools required for assembly and/or maintenance of the supplied goods;
 - (c) furnishing of a detailed operations and maintenance manual for each appropriate unit of the supplied goods;

- (d) performance or supervision or maintenance and/or repair of the supplied goods, for a period of time agreed by the parties, provided that this service shall not relieve the supplier of any warranty obligations under this contract; and
- (e) training of the purchaser's personnel, at the supplier's plant and/or on-site, in assembly, start-up, operation, maintenance, and/or repair of the supplied goods.

13.2 Prices charged by the supplier for incidental services, if not included in the contract price for the goods, shall be agreed upon in advance by the parties and shall not exceed the prevailing rates charged to other parties by the supplier for similar services.

14. Spare parts

14.1 As specified in SCC, the supplier may be required to provide any or all of the following materials, notifications, and information pertaining to spare parts manufactured or distributed by the supplier:

- (a) such spare parts as the purchaser may elect to purchase from the supplier, provided that this election shall not relieve the supplier of any warranty obligations under the contract; and
- (b) in the event of termination of production of the spare parts:
 - (i) Advance notification to the purchaser of the pending termination, in sufficient time to permit the purchaser to procure needed requirements; and
 - (ii) following such termination, furnishing at no cost to the purchaser, the blueprints, drawings, and specifications of the spare parts, if requested.

15. Warranty

15.1 The supplier warrants that the goods supplied under the contract are new, unused, of the most recent or current models, and that they incorporate all recent improvements in design and materials unless provided otherwise in the contract. The supplier further warrants that all goods supplied under this contract shall have no defect, arising from design, materials, or workmanship (except when the design and/or material is required by the purchaser's specifications) or from any act or omission of the supplier, that may develop under normal use of the supplied goods in the conditions prevailing in the country of final destination.

15.2 This warranty shall remain valid for twelve (12) months after the goods, or any portion thereof as the case may be, have been delivered to and accepted at the final destination indicated in the contract, or for eighteen (18) months after the date of shipment from the port or place of loading in the source country, whichever period concludes earlier, unless specified otherwise in SCC.

15.3 The purchaser shall promptly notify the supplier in writing of any claims arising under this warranty.

15.4 Upon receipt of such notice, the supplier shall, within the period specified in SCC and with all reasonable speed, repair or replace the defective goods or parts thereof, without costs to the purchaser.

15.5 If the supplier, having been notified, fails to remedy the defect(s) within the period specified in SCC, the purchaser may proceed to take

such remedial action as may be necessary, at the supplier's risk and expense and without prejudice to any other rights which the purchaser may have against the supplier under the contract.

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| 16. Payment | <p>16.1 The method and conditions of payment to be made to the supplier under this contract shall be specified in SCC.</p> <p>16.2 The supplier shall furnish the purchaser with an invoice accompanied by a copy of the delivery note and upon fulfillment of other obligations stipulated in the contract.</p> <p>16.3 Payments shall be made promptly by the purchaser, but in no case later than thirty (30) days after submission of an invoice or claim by the supplier.</p> <p>16.4 Payment will be made in Rand unless otherwise stipulated in SCC.</p> |
| 17. Prices | <p>17.1 Prices charged by the supplier for goods delivered and services performed under the contract shall not vary from the prices quoted by the supplier in his bid, with the exception of any price adjustments authorized in SCC or in the purchaser's request for bid validity extension, as the case may be.</p> |
| 18. Contract amendments | <p>18.1 No variation in or modification of the terms of the contract shall be made except by written amendment signed by the parties concerned.</p> |
| 19. Assignment | <p>19.1 The supplier shall not assign, in whole or in part, its obligations to perform under the contract, except with the purchaser's prior written consent.</p> |
| 20. Subcontracts | <p>20.1 The supplier shall notify the purchaser in writing of all subcontracts awarded under this contracts if not already specified in the bid. Such notification, in the original bid or later, shall not relieve the supplier from any liability or obligation under the contract.</p> |
| 21. Delays in the supplier's performance | <p>21.1 Delivery of the goods and performance of services shall be made by the supplier in accordance with the time schedule prescribed by the purchaser in the contract.</p> <p>21.2 If at any time during performance of the contract, the supplier or its subcontractor(s) should encounter conditions impeding timely delivery of the goods and performance of services, the supplier shall promptly notify the purchaser in writing of the fact of the delay, its likely duration and its cause(s). As soon as practicable after receipt of the supplier's notice, the purchaser shall evaluate the situation and may at his discretion extend the supplier's time for performance, with or without the imposition of penalties, in which case the extension shall be ratified by the parties by amendment of contract.</p> <p>21.3 No provision in a contract shall be deemed to prohibit the obtaining of supplies or services from a national department, provincial department, or a local authority.</p> <p>21.4 The right is reserved to procure outside of the contract small quantities or to have minor essential services executed if an emergency arises, the</p> |

supplier's point of supply is not situated at or near the place where the supplies are required, or the supplier's services are not readily available.

21.5 Except as provided under GCC Clause 25, a delay by the supplier in the performance of its delivery obligations shall render the supplier liable to the imposition of penalties, pursuant to GCC Clause 22, unless an extension of time is agreed upon pursuant to GCC Clause 21.2 without the application of penalties.

21.6 Upon any delay beyond the delivery period in the case of a supplies contract, the purchaser shall, without canceling the contract, be entitled to purchase supplies of a similar quality and up to the same quantity in substitution of the goods not supplied in conformity with the contract and to return any goods delivered later at the supplier's expense and risk, or to cancel the contract and buy such goods as may be required to complete the contract and without prejudice to his other rights, be entitled to claim damages from the supplier.

22. Penalties

22.1 Subject to GCC Clause 25, if the supplier fails to deliver any or all of the goods or to perform the services within the period(s) specified in the contract, the purchaser shall, without prejudice to its other remedies under the contract, deduct from the contract price, as a penalty, a sum calculated on the delivered price of the delayed goods or unperformed services using the current prime interest rate calculated for each day of the delay until actual delivery or performance. The purchaser may also consider termination of the contract pursuant to GCC Clause 23.

23. Termination for default

23.1 The purchaser, without prejudice to any other remedy for breach of contract, by written notice of default sent to the supplier, may terminate this contract in whole or in part:

- (a) if the supplier fails to deliver any or all of the goods within the period(s) specified in the contract, or within any extension thereof granted by the purchaser pursuant to GCC Clause 21.2;
- (b) if the Supplier fails to perform any other obligation(s) under the contract; or
- (c) if the supplier, in the judgment of the purchaser, has engaged in corrupt or fraudulent practices in competing for or in executing the contract.

23.2 In the event the purchaser terminates the contract in whole or in part, the purchaser may procure, upon such terms and in such manner as it deems appropriate, goods, works or services similar to those undelivered, and the supplier shall be liable to the purchaser for any excess costs for such similar goods, works or services. However, the supplier shall continue performance of the contract to the extent not terminated.

23.3 Where the purchaser terminates the contract in whole or in part, the purchaser may decide to impose a restriction penalty on the supplier by prohibiting such supplier from doing business with the public sector for a period not exceeding 10 years.

23.4 If a purchaser intends imposing a restriction on a supplier or any

person associated with the supplier, the supplier will be allowed a time period of not more than fourteen (14) days to provide reasons why the envisaged restriction should not be imposed. Should the supplier fail to respond within the stipulated fourteen (14) days the purchaser may regard the intended penalty as not objected against and may impose it on the supplier.

23.5 Any restriction imposed on any person by the Accounting Officer / Authority will, at the discretion of the Accounting Officer / Authority, also be applicable to any other enterprise or any partner, manager, director or other person who wholly or partly exercises or exercised or may exercise control over the enterprise of the first-mentioned person, and with which enterprise or person the first-mentioned person, is or was in the opinion of the Accounting Officer / Authority actively associated.

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

- (i) the name and address of the supplier and / or person restricted by the purchaser;
- (ii) the date of commencement of the restriction
- (iii) the period of restriction; and
- (iv) the reasons for the restriction.

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

23.7 If a court of law convicts a person of an offence as contemplated in sections 12 or 13 of the Prevention and Combating of Corrupt Activities Act, No. 12 of 2004, the court may also rule that such person's name be endorsed on the Register for Tender Defaulters. When a person's name has been endorsed on the Register, the person will be prohibited from doing business with the public sector for a period not less than five years and not more than 10 years. The National Treasury is empowered to determine the period of restriction and each case will be dealt with on its own merits. According to section 32 of the Act the Register must be open to the public. The Register can be perused on the National Treasury website.

24. Anti-dumping and countervailing duties and rights

24.1 When, after the date of bid, provisional payments are required, or anti-dumping or countervailing duties are imposed, or the amount of a provisional payment or anti-dumping or countervailing right is increased in respect of any dumped or subsidized import, the State is not liable for any amount so required or imposed, or for the amount of any such increase. When, after the said date, such a provisional payment is no longer required or any such anti-dumping or countervailing right is abolished, or where the amount of such provisional payment or any such right is reduced, any such favourable difference shall on demand be paid forthwith by the contractor to the State or the State may deduct such amounts from moneys (if any) which may otherwise be due to the contractor in regard to supplies or services which he delivered or rendered, or is to deliver or render in terms of the contract or any other contract or any other amount which

may be due to him

25. Force
Majeure

25.1 Notwithstanding the provisions of GCC Clauses 22 and 23, the supplier shall not be liable for forfeiture of its performance security, damages, or termination for default if and to the extent that his delay in performance or other failure to perform his obligations under the contract is the result of an event of force majeure.

25.2 If a force majeure situation arises, the supplier shall promptly notify the purchaser in writing of such condition and the cause thereof. Unless otherwise directed by the purchaser in writing, the supplier shall continue to perform its obligations under the contract as far as is reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the force majeure event.

26. Termination
for insolvency

26.1 The purchaser may at any time terminate the contract by giving written notice to the supplier if the supplier becomes bankrupt or otherwise insolvent. In this event, termination will be without compensation to the supplier, provided that such termination will not prejudice or affect any right of action or remedy which has accrued or will accrue thereafter to the purchaser.

27. Settlement of
Disputes

27.1 If any dispute or difference of any kind whatsoever arises between the purchaser and the supplier in connection with or arising out of the contract, the parties shall make every effort to resolve amicably such dispute or difference by mutual consultation.

27.2 If, after thirty (30) days, the parties have failed to resolve their dispute or difference by such mutual consultation, then either the purchaser or the supplier may give notice to the other party of his intention to commence with mediation. No mediation in respect of this matter may be commenced unless such notice is given to the other party.

27.3 Should it not be possible to settle a dispute by means of mediation, it may be settled in a South African court of law.

27.4 Mediation proceedings shall be conducted in accordance with the rules of procedure specified in the SCC.

27.5 Notwithstanding any reference to mediation and/or court proceedings herein,

- (a) the parties shall continue to perform their respective obligations under the contract unless they otherwise agree; and
- (b) the purchaser shall pay the supplier any monies due the supplier.

28. Limitation of
liability

28.1 Except in cases of criminal negligence or willful misconduct, and in the case of infringement pursuant to Clause 6;
(a) the supplier shall not be liable to the purchaser, whether in contract, tort, or otherwise, for any indirect or consequential loss or damage, loss of use, loss of production, or loss of profits or interest costs, provided that this exclusion shall not apply to any obligation of the supplier to pay penalties and/or damages to the purchaser; and

	(b) the aggregate liability of the supplier to the purchaser, whether under the contract, in tort or otherwise, shall not exceed the total contract price, provided that this limitation shall not apply to the cost of repairing or replacing defective equipment.
29. Governing language	29.1 The contract shall be written in English. All correspondence and other documents pertaining to the contract that is exchanged by the parties shall also be written in English.
30. Applicable law	30.1 The contract shall be interpreted in accordance with South African laws, unless otherwise specified in SCC.
31. Notices	31.1 Every written acceptance of a bid shall be posted to the supplier concerned by registered or certified mail and any other notice to him shall be posted by ordinary mail to the address furnished in his bid or to the address notified later by him in writing and such posting shall be deemed to be proper service of such notice 31.2 The time mentioned in the contract documents for performing any act after such aforesaid notice has been given, shall be reckoned from the date of posting of such notice.
32. Taxes and duties	32.1 A foreign supplier shall be entirely responsible for all taxes, stamp duties, license fees, and other such levies imposed outside the purchaser's country. 32.2 A local supplier shall be entirely responsible for all taxes, duties, license fees, etc., incurred until delivery of the contracted goods to the purchaser. 32.3 No contract shall be concluded with any bidder whose tax matters are not in order. Prior to the award of a bid the Department must be in possession of a tax clearance certificate, submitted by the bidder. This certificate must be an original issued by the South African Revenue Services.
33. National Industrial Participation (NIP) Programme	33.1 The NIP Programme administered by the Department of Trade and Industry shall be applicable to all contracts that are subject to the NIP obligation.
34. Prohibition of Restrictive practices	34.1 In terms of section 4 (1) (b) (iii) of the Competition Act No. 89 of 1998, as amended, an agreement between, or concerted practice by, firms, or a decision by an association of firms, is prohibited if it is between parties in a horizontal relationship and if a bidder (s) is / are or a contractor(s) was / were involved in collusive bidding (or bid rigging). 34.2 If a bidder(s) or contractor(s), based on reasonable grounds or evidence obtained by the purchaser, has / have engaged in the restrictive practice referred to above, the purchaser may refer the matter to the Competition Commission for investigation and possible imposition of administrative penalties as contemplated in the Competition Act No. 89 of 1998.

- 34.3 If a bidder(s) or contractor(s), has / have been found guilty by the Competition Commission of the restrictive practice referred to above, the purchaser may, in addition and without prejudice to any other remedy provided for, invalidate the bid(s) for such item(s) offered, and / or terminate the contract in whole or part, and / or restrict the bidder(s) or contractor(s) from conducting business with the public sector for a period not exceeding ten (10) years and / or claim damages from the bidder(s) or contractor(s) concerned.

Annexure C

Declaration of Interest

DECLARATION OF INTEREST

1. Any legal person, including persons employed by the state¹, or persons having a kinship with persons employed by the state, including a blood relationship, may make an offer or offers in terms of this invitation to bid (includes an advertised competitive bid, a limited bid, a proposal or written price quotation). In view of possible allegations of favouritism, should the resulting bid, or part thereof, be awarded to persons employed by the state, or to persons connected with or related to them, it is required that the bidder or his/her authorised representative declare his/her position in relation to the evaluating/adjudicating authority where-
 - the bidder is employed by the state; and/or
 - the legal person on whose behalf the bidding document is signed, has a relationship with persons/a person who are/is involved in the evaluation and or adjudication of the bid(s), or where it is known that such a relationship exists between the person or persons for or on whose behalf the declarant acts and persons who are involved with the evaluation and or adjudication of the bid.
2. **In order to give effect to the above, the following questionnaire must be completed and submitted with the bid.**
 - 2.1 Full Name of bidder or his or her representative:
 - 2.2 Identity Number:.....
 - 2.3 Position occupied in the Company (director, trustee, shareholder², member):
 - 2.4 Registration number of company, enterprise, close corporation, partnership agreement or trust:
 - 2.5 Tax Reference Number:
 - 2.6 VAT Registration Number:
 - 2.6.1 The names of all directors / trustees / shareholders / members, their individual identity numbers, tax reference numbers and, if applicable, employee / PERSAL numbers must be indicated in paragraph 3 below.

¹"State" means –

- (a) any national or provincial department, national or provincial public entity or constitutional institution within the meaning of the Public Finance Management Act, 1999 (Act No. 1 of 1999);
- (b) any municipality or municipal entity;
- (c) provincial legislature;
- (d) national Assembly or the national Council of provinces; or
- (e) Parliament.

²"Shareholder" means a person who owns shares in the company and is actively involved in the management of the enterprise or business and exercises control over the enterprise.

2.7 Are you or any person connected with the bidder presently employed by the state? **YES / NO**

2.7.1 If so, furnish the following particulars:

Name of person / director / trustee / shareholder/ member:

Name of state institution at which you or the person connected to the bidder is employed:

Position occupied in the state institution:

Any other particulars:

.....
.....
.....

2.7.2 If you are presently employed by the state, did you obtain the appropriate authority to undertake remunerative work outside employment in the public sector? **YES / NO**

2.7.2.1 If yes, did you attach proof of such authority to the bid document? **YES / NO**

(Note: Failure to submit proof of such authority, where applicable, may result in the disqualification of the bid.)

2.7.2.2 If no, furnish reasons for non-submission of such proof:

.....
.....
.....

2.8 Did you or your spouse, or any of the company's directors / trustees / shareholders / members or their spouses conduct business with the state in the previous twelve months? **YES / NO**

2.8.1 If so, furnish particulars:

.....
.....
.....

2.9 Do you, or any person connected with the bidder, have any relationship (family, friend, other) with a person employed by the state and who may be involved with the evaluation and or adjudication of this bid? **YES / NO**

2.9.1 If so, furnish particulars.

.....

.....

.....

2.10 Are you, or any person connected with the bidder, aware of any relationship (family, friend, other) between any other bidder and any person employed by the state who may be involved with the evaluation and or adjudication of this bid? **YES/NO**

2.10.1 If so, furnish particulars.

.....

.....

.....

2.11 Do you or any of the directors / trustees / shareholders / members of the company have any interest in any other related companies whether or not they are bidding for this contract? **YES/NO**

2.11.1 If so, furnish particulars:

.....

.....

.....

3 Full details of directors / trustees / members / shareholders.

Full Name	Identity Number	Personal Income Tax Reference Number	State Employee Number / Persal Number

4 DECLARATION

I, THE UNDERSIGNED (NAME).....

CERTIFY THAT THE INFORMATION FURNISHED IN PARAGRAPHS 2 and 3 ABOVE IS CORRECT.
I ACCEPT THAT THE STATE MAY REJECT THE BID OR ACT AGAINST ME SHOULD THIS DECLARATION PROVE TO BE FALSE.

.....
Signature

.....
Date

.....
Position

.....
Name of bidder

Annexure D

Declaration of Bidder's Past Supply Chain Management Practices

DECLARATION OF BIDDER'S PAST SUPPLY CHAIN MANAGEMENT PRACTICES

- 1 This Standard Bidding Document must form part of all bids invited.
- 2 It serves as a declaration to be used by institutions in ensuring that when goods and services are being procured, all reasonable steps are taken to combat the abuse of the supply chain management system.
- 3 The bid of any bidder may be disregarded if that bidder, or any of its directors have-
 - a. abused the institution's supply chain management system;
 - b. committed fraud or any other improper conduct in relation to such system; or
 - c. failed to perform on any previous contract.
- 4 **In order to give effect to the above, the following questionnaire must be completed and submitted with the bid.**

Item	Question	Yes	No
4.1	Is the bidder or any of its directors listed on the National Treasury's Database of Restricted Suppliers as companies or persons prohibited from doing business with the public sector? (Companies or persons who are listed on this Database were informed in writing of this restriction by the Accounting Officer/Authority of the institution that imposed the restriction after the <i>audi alteram partem</i> rule was applied). The Database of Restricted Suppliers now resides on the National Treasury's website(www.treasury.gov.za) and can be accessed by clicking on its link at the bottom of the home page.	Yes ☐	No ☐
4.1.1	If so, furnish particulars:		
4.2	Is the bidder or any of its directors listed on the Register for Tender Defaulters in terms of section 29 of the Prevention and Combating of Corrupt Activities Act (No 12 of 2004)? The Register for Tender Defaulters can be accessed on the National Treasury's website (www.treasury.gov.za) by clicking on its link at the bottom of the home page.	Yes ☐	No ☐
4.2.1	If so, furnish particulars:		
4.3	Was the bidder or any of its directors convicted by a court of law (including a court outside of the Republic of South Africa) for fraud or corruption during the past five years?	Yes ☐	No ☐
4.3.1	If so, furnish particulars:		

4.4	Was any contract between the bidder and any organ of state terminated during the past five years on account of failure to perform on or comply with the contract?	Yes ☐	No ☐
4.4.1	If so, furnish particulars:		

CERTIFICATION

**I, THE UNDERSIGNED (FULL NAME).....
CERTIFY THAT THE INFORMATION FURNISHED ON THIS DECLARATION
FORM IS TRUE AND CORRECT.**

**I ACCEPT THAT, IN ADDITION TO CANCELLATION OF A CONTRACT,
ACTION MAY BE TAKEN AGAINST ME SHOULD THIS DECLARATION PROVE
TO BE FALSE.**

.....
Signature

.....
Date

.....
Position

.....
Name of Bidder

Annexure E

Certificate of Independent Bid Determination

CERTIFICATE OF INDEPENDENT BID DETERMINATION

- 1 This Standard Bidding Document (SBD) must form part of all bids¹ invited.
- 2 Section 4 (1) (b) (iii) of the Competition Act No. 89 of 1998, as amended, prohibits an agreement between, or concerted practice by, firms, or a decision by an association of firms, if it is between parties in a horizontal relationship and if it involves collusive bidding (or bid rigging).² Collusive bidding is a *pe se* prohibition meaning that it cannot be justified under any grounds.
- 3 Treasury Regulation 16A9 prescribes that accounting officers and accounting authorities must take all reasonable steps to prevent abuse of the supply chain management system and authorizes accounting officers and accounting authorities to:
 - a. disregard the bid of any bidder if that bidder, or any of its directors have abused the institution's supply chain management system and or committed fraud or any other improper conduct in relation to such system.
 - b. cancel a contract awarded to a supplier of goods and services if the supplier committed any corrupt or fraudulent act during the bidding process or the execution of that contract.
- 4 This SBD serves as a certificate of declaration that would be used by institutions to ensure that, when bids are considered, reasonable steps are taken to prevent any form of bid-rigging.
- 5 In order to give effect to the above, the attached Certificate of Bid Determination (SBD 9) must be completed and submitted with the bid:

¹ Includes price quotations, advertised competitive bids, limited bids and proposals.

² Bid rigging (or collusive bidding) occurs when businesses, that would otherwise be expected to compete, secretly conspire to raise prices or lower the quality of goods and / or services for purchasers who wish to acquire goods and / or services through a bidding process. Bid rigging is, therefore, an agreement between competitors not to compete.

CERTIFICATE OF INDEPENDENT BID DETERMINATION

I, the undersigned, in submitting the accompanying bid:

(Bid Number and Description)

in response to the invitation for the bid made by:

(Name of Institution)

do hereby make the following statements that I certify to be true and complete in every respect:

I certify, on behalf of: _____ that:

(Name of Bidder)

1. I have read and I understand the contents of this Certificate;
2. I understand that the accompanying bid will be disqualified if this Certificate is found not to be true and complete in every respect;
3. I am authorized by the bidder to sign this Certificate, and to submit the accompanying bid, on behalf of the bidder;
4. Each person whose signature appears on the accompanying bid has been authorized by the bidder to determine the terms of, and to sign the bid, on behalf of the bidder;
5. For the purposes of this Certificate and the accompanying bid, I understand that the word "competitor" shall include any individual or organization, other than the bidder, whether or not affiliated with the bidder, who:
 - (a) has been requested to submit a bid in response to this bid invitation;
 - (b) could potentially submit a bid in response to this bid invitation, based on their qualifications, abilities or experience; and
 - (c) provides the same goods and services as the bidder and/or is in the same line of business as the bidder

6. 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 consortium³ will not be construed as collusive bidding.
7. In particular, without limiting the generality of paragraphs 6 above, there has been no consultation, communication, agreement or arrangement with any competitor regarding:
 - (a) prices;
 - (b) geographical area where product or service will be rendered (market allocation)
 - (c) methods, factors or formulas used to calculate prices;
 - (d) the intention or decision to submit or not to submit, a bid;
 - (e) the submission of a bid which does not meet the specifications and conditions of the bid; or
 - (f) bidding with the intention not to win the bid.
8. In addition, there have been no consultations, communications, agreements or arrangements with any competitor regarding the quality, quantity, specifications and conditions or delivery particulars of the products or services to which this bid invitation relates.
9. The terms of the accompanying bid have not been, and will not be, disclosed by the bidder, directly or indirectly, to any competitor, prior to the date and time of the official bid opening or of the awarding of the contract.

³ 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 9

10. I am aware that, in addition and without prejudice to any other remedy provided to combat any restrictive practices related to bids and contracts, bids that are suspicious will be reported to the Competition Commission for investigation and possible imposition of administrative penalties in terms of section 59 of the Competition Act No 89 of 1998 and or may be reported to the National Prosecuting Authority (NPA) for criminal investigation and or may be restricted from conducting business with the public sector for a period not exceeding ten (10) years in terms of the Prevention and Combating of Corrupt Activities Act No 12 of 2004 or any other applicable legislation.

.....
Signature

.....
Date

.....
Position

.....
Name of Bidder

Js914w 2

Annexure F

Preference Points Claim Form in terms of the
Preferential Procurement Regulations 2017

**PREFERENCE POINTS CLAIM FORM IN TERMS OF THE PREFERENTIAL
PROCUREMENT REGULATIONS 2017**

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

NB: BEFORE COMPLETING THIS FORM, BIDDERS MUST STUDY THE GENERAL CONDITIONS, DEFINITIONS AND DIRECTIVES APPLICABLE IN RESPECT OF B-BBEE, AS PRESCRIBED IN THE PREFERENTIAL PROCUREMENT REGULATIONS, 2017.

1. GENERAL CONDITIONS

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

- the 80/20 system for requirements with a Rand value of up to R50 000 000 (all applicable taxes included); and
- the 90/10 system for requirements with a Rand value above R50 000 000 (all applicable taxes included).

1.2 The value of this bid is estimated not to exceed R50 000 000 (all applicable taxes included) and therefore the 80/20 preference point system shall be applicable.

1.3 Points for this bid shall be awarded for:

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

1.4 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

1.5 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.

1.6 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

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

Where

Ps = Points scored for price of bid under consideration

Pt = Price of bid under consideration

P_{min} = Price of lowest acceptable bid

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

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

B-BBEE Status Level of Contributor	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 sub-contracted?

(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 subcontracting with an enterprise in terms of Preferential Procurement Regulations,2017:

Designated Group: An EME or QSE which is at least 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 propriety
- ☐ Close corporation
- ☐ Company
- ☐ (Pty) Limited

[TICK APPLICABLE BOX]

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-BBE 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.

	 SIGNATURE(S) OF BIDDERS(S)
DATE:	
ADDRESS	
	
	

WITNESSES	
1.	
2.	

Annexure G

Pricing Schedule for Services

NAME OF BIDDER:

1. PRICING SCHEDULE/S

- 1.1 Item 1:** The procurement of High-Performance Computing (HPC) system with storage and Hierarchical Storage Management (HSM) through a consumption based services model, leasing, or outright purchase option for the South African Weather Service.

All prices must be in South African rand value and must be inclusive of VAT.

- 1.1.1 Bidders are required to indicate a ceiling price based on the total estimated time for completion of all phases and including all expenses inclusive of VAT for the project. R

- 1.1.1.1 Bidders to provide a breakdown of the total bid price in TABLE A below.

- 1.1.2 Any other costs not included in the above price under 1.1.1 ?

*YES	NO
------	----

* If YES, please specify

Bidders are required to attach to this pricing schedule (Annexure G) details of any costs which are not included in the in the ceiling price under 1.1.1
--

- 1.1.3 Are the rates quoted firm for the full period of the project?

YES	*NO
-----	-----

* If NO, please specify

If not firm for the full period, bidders are required to attach to this pricing schedule (Annexure G) details of the basis on which adjustments will be applied for, for example consumer price index.
--

- 1.1.4 Period required for commencement of the project after acceptance of bid?

--

TABLE A: Bidder to provide a breakdown of the bid price per year as required in Section 7 of Annexure H

Description	Year 1	Year 2	Year 3	Year 4	Year 5	Total in Rands
Hardware Costs in Rands						
Software costs in Rands						
Support and Maintenance Costs in Rands						
Onsite support for the HPC solution and parallel file system						
Consulting, deployment, data migration Services						
Training and Certification						
OEM credits						
Total						

Annexure H

Specifications / Terms of Reference for bids
(For procurement above R500 000-00)

1 DESCRIPTION

The procurement of High-Performance Computing (HPC) system with storage and Hierarchical Storage Management (HSM) through a consumption based services model, leasing, or outright purchase option for the South African Weather Service.

2 INTRODUCTION

The South African Weather Service (SAWS) is a public entity of the Department of Forestry, Fisheries and the Environment (DFFE) and derives its mandate from the South African Weather Service Act, Act No 8 of 2001 as amended. The public entity is listed as a Schedule 3A Public Entity in terms of the Public Finance Management Act (PFMA).

SAWS is tasked with providing timely and accurate weather forecasts and scientific data in the field of meteorology to the broader South African society: a combination of both public good and commercial services. The organisation plays a vital role in the South African public life, not just as a provider of key services, but also in empowering citizens to adapt to the effects of the ever-changing weather and climate.

3 BACKGROUND

The South African Weather Service has been using its current Cray XC30 High Performance Computer and Sonnexion Lustre File storage system for the past 7 years. The current system has reached its full capacity and end of life. The utilisation on the system has become inadequate for SAWS to perform its operational requirements and needs an urgent replacement. The system is currently under a maintenance contract until 31st December 2021.

The current system run on an HPE Cray XC30 HPC and Sonnexion system is as per the below:

CRAY XC30 AC

- 168 nodes: 4032 cores of Intel Ivy Bridge 12-Core 2.4GHz
- 64Gb per node
- Total Peak performance: 47Tflops/s
- PBS job scheduler SDB node
- Linux OS (CLE) UP04 5.2
- Dragon fly interconnect (Aries)

STORAGE SYSTEM SONNEXION C3000

- Storage Capacity 1.7 P
- Lustre file system 2.5.2
- Storage Media 280 disks HDD

4 REQUIREMENT / SCOPE OF WORK

4.1 Technical Requirements (Private Cloud, Public Cloud, Leasing or Outright Purchase)

The goal of this RFP is for bidders to provide SAWS with a minimum of 11200 cores HPC solution. The bidders must propose the solution that is based on x86_64 system with no accelerators. The solution must consist of a minimum of 3PiB with 1 PiB (usable) parallel file system with a minimum of 40GB/s sustained performance and 2 PiB of low cost disk based storage managed by a hierarchical storage management (HSM) for the ease of use and transparency to the users to the different tiers of storage. The HSM must have the ability to offload data to Tape, Cloud or alternate storage media.

The storage subsystem must be resilient to hardware failures. HSM storage must include software and hardware. The proposed compute nodes for the solution must have a minimum of 2GB/core of memory, 8 memory channels per CPU socket and minimum of 100Gb/s HPC interconnect. The supplier must provide a workload manager for the solution.

The proposed solution must also include all management nodes with minimum requirements. Two post and pre-processing nodes must also be included with the solution and they must consist of minimum 80 cores per node, 8 memory channels per CPU socket and a minimum of 4GB/core of memory. The proposed solution must use air cooling and conform to minimum of 42U rack. The proposal must also include local base support with engineers from overseas or/and local.

Technical Specifications	Current HPC
Nodes	168 nodes
Cores (24 cores/node)	4032
CPU Speed (TFLOPS)	47
Storage (Petabytes)	1.7

4.1.1 Technical Specifications (Minimum)

Item No	Technical Requirement	Description	Comply Yes/No	Comments (where necessary provide evidence)
1.	CPU Type	The proposal must consist of x86-64 CPU based system		
2.	Cores	Minimum of 11200 cores for the total compute nodes.		
3.	Memory Channels per CPU socket	8 memory channels per CPU socket		
4.	Storage Capacity	1PiB parallel file system with a minimum of 40 GB/s sustained performance.		
5.	HSM Storage Capacity	2PiB low cost disk based storage.		
6.	Compute Node	2GB per Core of memory		
7.	Pre-Post Node	4GB per Core of memory		
8.	Interconnect	Minimum 100Gb/s HPC interconnect		

4.1.2 Compute and management nodes

No	Description	Comply Yes/No	Comments (where necessary provide evidence)
1.	x86_64 CPU based system		
2.	Minimum of 11200 cores for the total compute nodes		
3.	Minimum 2 GB/core of memory for compute nodes.		
4.	8 memory channels per CPU socket		
5.	The proposal must include at least 2 nodes for post and pre-processing with a minimum of 80 cores per node and 4 GB/core of memory.		
6.	All compute nodes should be diskless.		
7.	The proposal must include all management nodes		
8.	The proposal must be an air-cooled system		

4.1.3 Project Methodology and Deployment Services

No	Description	Comply Yes/No	Comments (where necessary provide evidence)
1.	Solution Design		
2.	Setup and configuration		
3.	Data migration to the new environment		
4.	Bidders must provide an end to end solution and solution design, setup and configuration, system migration, software installation, project management, testing and handover		
5.	Bidders must provide detailed project methodology and project plan with detailed timelines and project resources		
6.	Bidders must provide CV(s) of all their Project Teams		

4.1.4 Storage and interconnect

No	Description	Comply Yes/No	Comments
1.	Minimum 1 PiB (usable) parallel filesystem with a minimum of 40GB/s sustained performance		
2.	Minimum 2 PiB low cost disk based storage with HSM		
3.	Minimum 100 Gb/s HPC interconnect		
4.	Bidders shall estimate the maximum time taken to rebuild any RAID device in the event a rebuild is needed		
5.	Bidders must provide the following information aggregated over a compute cycle used in the benchmark • storage • inodes • sustained bandwidth I/O rate		
6.	The storage subsystems must be resilient to hardware failures. There must not be any single points of failure in the components of the storage subsystem		

7.	It is highly desirable that RAID configurations providing at least dual parity are used. The implementation of the RAID configurations possible must be described in detail, with the benefits of each listed.		
8.	Bidders shall provide details of how software and hardware maintenance can be performed on the storage subsystem in as non-intrusive a manner as possible. This should include details of features that minimize downtime due to firmware/microcode updates, power failures, system crashes etc		

4.1.5 Benchmark

The formal performance measure used in this procurement option is to run packets of work which need to be completed on two benchmark codes of the Unified Model (UM) which are mentioned below. Bidders must run the two codes as independent runs, and a parallel run of both codes. The results of the three (3) permutations should be provided in table 4.1.3.7 below as well as for the optimized system design.

The benchmarks are intended to provide performance information of the application on the proposed system. The methodology for this optimized design should be demonstrated as per the requirement below. Suppliers should note that this application would also form the acceptance tests for the facility once a preferred supplier has been identified. Please provide the benchmarks for the above with any relevant system or application configuration information. Suppliers must provide SAWS with source modifications; build scripts, make files, run scripts, output files, important environmental settings, and node description(s). The benchmarks must be performed on hardware, which is similar to what will be delivered as part of the award. SAWS reserves the right to request that benchmarks be rerun before an award. The results must be reproducible. Where suppliers make use of tools, libraries, or drivers for the benchmark runs that are optimised or customised for their hardware, then that optimised software must be included as part of the proposal.

Item No	Description of requirements	Comply Yes/No	Comments (where necessary provide evidence)
1.	The bidder will be required to sign a license agreement with the UK Met Office (UKMO) to obtain the benchmark codes for SA4 and SA1.5 domains.		
2.	The bidder will have four (4) weeks from the date of notification of shortlisting:		
3.	to complete and sign all license applications from the UK Met Office;		
4.	to download, build the code, test run and optimise the benchmark models under normal operational conditions;		
5.	to submit complete benchmarking results and supporting documentation as requested under the requirements.		
6.	The benchmarks are comprised of two model configurations running parallel as follows:		
7.	A 4km horizontal resolution over SADC domain, minimum 70 vertical levels and T+72 hours (SA4);		
8.	A variable 1.5 km horizontal resolution over SA domain, minimum 70 vertical levels and T+48 hours (SA1.5).		
9.	Bidders must supply the results of the benchmark runs in electronic form to SAWS together with all changes made to the code and the shell scripts as well as a comprehensive documentation of the system on which the benchmarks were run.		

10.	Bidders must include with their tender full details of the analytical reasoning that leads from benchmark performance measurements to the optimized system design and operational needs as proposed in response to requirements.		
11.	During Site Acceptance Testing (SAT), it must be possible to re-run the performance benchmark test in the same configuration and obtain bit-identical results.		

Table 4.1.3.7: Overview of Unified Model Simulations Results

Model Run	Benchmark Results	Optimized HPC Design Results
SA4 Individual Run		
SA1.5 Individual Run		
SA4 and SA1.5 run in parallel		

4.1.6 System Support and Maintenance:

Item No	Description of requirements	Comply Yes/No	Comments (where necessary evidence)	(where provide)
1.	System support and maintenance (HW & SW) for five (5) years.			
2.	Hardware Support – 5-year 24x7 Proactive Services (Semi-annual operating-system environment patch analysis, firmware analysis, Annual System Health Check).			

3.	OS and Software – 5-year 24x7 telephonic support standard.		
4.	Bidders must explicitly undertake to provide, or to arrange provision of, maintenance, spare parts and on-site support (the Support Service) for the installed hardware and software for a period of Five (5) years to commence after the warranty period.		
5.	Bidders must provide at least one (1) or two (2) CV(s) of engineer(s) with at least five (5) years' experience on the provided solution and the parallel file system and provided software.		
6.	Bidders must provide onsite support for the supplied solution and parallel file system for the duration of five (5) years		
7.	The associated costs for providing the Support Service, must be provided as a separate cost item in the responses.		
8.	Bidders provide a maintenance plan required for the life cycle management of the system. The plan should include <i>inter alia</i>: • Preventative maintenance schedule • Preventative maintenance procedures • Typical Ad hoc maintenance / failure procedures • Levels of maintenance with procedures and time frames i.e. ✓ 1st level fault detection and diagnostic - SAWS ✓ 2nd level escalation - Service provider		

	✓ 3rd level escalation - Service provider		
9.	An ad-hoc maintenance Support Service must be SLA driven with a minimum requirement including <i>inter alia</i>: • mean time to respond (MTTR) • mean time to repair (MTTRP) • mean time to failures of critical components (MTTF) - Components listed must be provided as per suggested spares list		
10.	Bidders must provide detailed information on the maintenance facilities available on the system, including <i>inter alia</i> • system tools (remote log in and diagnostics) • environmental monitoring, warning, and control systems • system fault / condition / processes logging • BITE controllers		
11.	Bidders must confirm that under normal circumstances, the maximum period of downtime for scheduled maintenance of the System will be three hours during any 168-hour period, up to three times in any twelve months.		
12.	Bidders must confirm that for scheduled maintenance of a Cluster, the maximum period of downtime will be twelve hours during any 24-hour period, up to three times in any twelve months		
13.	180 hours OEM consulting credits over the period of five (5) years. This is to allow SAWS to access OEM Engineers for any consulting services related to the HPC		

	environment (Software updates, system upgrades, System configuration changes, etc)		
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4.1.7 System Security

Item No	Description of requirements	Comply Yes/No	Comments (where necessary provide evidence)
1.	A discretionary access control mechanism that restricts access to files based on their ownership must be supported. The standard Unix owner/group/world file protection scheme is considered adequate		
2.	Bidders must indicate what authentication and access control schemes are utilized.		
3.	Bidders shall state whether the System supports any stack-execution-disable facilities, and if so, provide details of the configurability of that feature.		
4.	Bidders shall describe the methodology they will follow to inform SAWS about potential security vulnerabilities in the system software, e.g. mailing list services.		
5.	Bidders shall describe their methodology for providing security fixes, in particular, at the time of notification of vulnerability in the system software by the Bidders software support organization. The Bidders will supply pre-built security fixes against all intermediate fix levels of relevant software, or only for major releases, or only for the latest release level.		

4.1.8 Floor Space, Electricity Consumption and Cooling

1.	SAWS's site infrastructure (floor space, electrical and cooling infrastructure) may be a constraint on this installation of and any future System upgrades. The proposed system design, dimensions, weight, power, and cooling requirements must be provided for the supplied solution. Bidders must indicate where performance from the prequalification submission remains unchanged.		
2.	Bidders must give details of any air -cooling requirements for the proposed system, including a modifications and special requirements that will need to provide to address the specific requirements. Note: Any upgrades to the electrical and cooling will be for SAWS responsibility. Bidders may be required to participate in the design and sign off of any alterations to ensure compliance with the system requirements.		
3.	Bidders are requested to provide information on the power quality susceptibility of the HPC and the required protective systems i.e. power conditioning, UPS power, generator power etc		
4.	Bidders will be required to ensure the main power and backup power to the HPC is connected and meets the complete system requirements.		
5.	Bidders are requested to highlight any aspects of their tendered solution, including: • Manufacturing and disposal practices that minimise its environmental impact.		

	Maximizing energy efficiency.		
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4.1.9 Training Plan and Documentation

Item No	Description of requirements	Comply Yes/No	Comments (where necessary provide evidence)
1.	Bidders must provide classroom training with certification on the supplied solution hardware and parallel file system software for 2 x SAWS Engineers. This must include a full and a detailed Training Plan.		
2.	All manuals and other user documentation must be available in the English language.		
3.	Bidders shall state what additional documentation is available (such as whitepapers, future development plans, system obsolescence planning etc.).		
4.	Bidders must provide Datasheets for all the supplied products.		

4.1.10 Technical Experience and References

Item No	Description of requirements	Comply Yes/No	Comments (where necessary provide evidence)
1.	Parallel File System Support: The supplier must provide at least 2 references as proof of		

	their support for the supplied (similar) parallel file system provided.		
2.	Hardware Infrastructure Supply and installation: The supplier must provide at least 3 references as proof for supply and installation of similar hardware infrastructure.		

4.1.11 Software Requirements

SAWS is committed to maintaining the portability of the UM as supplied by the UK Met Office. As a result, SAWS prefers not to use vendor specific language extensions or run-time libraries unless very significant performance gains can be achieved. The main programming language for meteorological applications is FORTRAN 90, although some features of FORTRAN 95 and 2003 are used as well. Increasingly, both C and C++ are used for development of new supporting applications.

Requirement		Comply Yes / No	Supporting Evidence
1.	The operating system(s) must be based on Linux (Preferable Open source with scientific extensions.)		
2.	A job scheduler must be supported by the OEM		
3.	It is desirable that the software licenses that are provided within the service contract are right-to-use licenses for an unlimited number of concurrent users. Bidders shall provide details (such as restrictions on use and the cost structure) of any licenses relating to the Works. To avoid any doubt, the service contract price must include the cost of all software licenses required.		
4.	Software installation tools must be provided that facilitate the installation of patches, intermediate updates, and major upgrades. These tools should also provide good visibility of installed software, down to the level of individual		

components, and allow the easy removal of software that is no longer required.		
Bidders shall provide the software and support for the mandatory software detailed below. The licenses and cost implications must be provided separately. The support shall include, but not be limited to, errata and security patches, and upgrades/replacement software to ensure all software is not end-of-life and not obsolete: • The system shall support the languages C, C++ Fortran 77, Fortran 90/95, Fortran 200x, Java and Python on the compute partition. It is highly desirable to provide multiple compilation environments. While it is mandatory that the machine include the GNU compilers, these cannot be considered as the primary optimizing suite. • The system shall include optimized versions of libm, szip, zlib, szlib, libgsl, FFTW, BLAS1-3, LAPACK/ScaLAPACK, HDF4/5, pHDF5, and netCDF (Fortran, C and pnetCDF), Perl, Git, Anaconda, rttov, crtm, NCL, libpng, Jasper. • Supplier should support the installation of other MPI implementations • The supplier must provide an Intel-Parallel studio (2017 or latest version) and license for 5 years with maintenance and support		
1. The software stack should comprise of at least the following elements:		

• Operating System (Linux). • wgrib, wgrib2: https://www.cpc.ncep.noaa.gov/products/wesley/wgrib.html https://www.cpc.ncep.noaa.gov/products/wesley/wgrib2/compile_questions.html • Climate Data Operator (grib1/2 and netCDF compatible) - https://code.mpimet.mpg.de/projects/cdo • R software - https://www.r-project.org/ • ecCodes (ECMWF software) - https://confluence.ecmwf.int/display/ECC • GrADS/OpenGrADS - http://cola.gmu.edu/grads/downloads.php • FCM - https://www.metoffice.gov.uk/research/weather/weather-science-it/fcm • Rose - https://github.com/metomi/rose/ • Cylc – https://cylc.github.io/ • ESMF (Earth System Modelling Framework) - https://earthsystemmodeling.org/download/ • Delft3D (Deltares – https://oss.deltares.nl/web/delft3d) • bilingrb, ggrib, grbpoint.pl, g2ctl.pl, copygb, cnvgrib, dos2unix, unix2dos, ndate, uuencode		
2. It is desirable that new versions of system level software can be installed, and subsequently introduced into operation without System-wide interruption to normal service. Bidders shall describe how this can be achieved		
3. Whenever new versions of system-level software (including firmware, compilers and libraries) are released, a minimum of 12 months support of the software release being superseded must be provided. This must be applicable for the duration of the contract, including the maintenance period.		

4.	The compilers and corresponding run-time libraries provided must be the same as those used to demonstrate the performance benchmark.		
5.	Bidders shall indicate to what degree applications can be written in a mixture of Fortran, C and C++. Information on any restrictions on the concurrent use of the I/O libraries of more than one language from within a single application shall also be given.		
6.	Using MPI, it must be possible to execute a single program that is distributed across all of the application nodes in the Cluster		
7.	Bidders shall state whether compilers and linkers exist that execute on platforms other than the System but produce binary code identical to that produced by the native compilers. If so, a list shall be given of the platforms on which such cross-platform tools are supported		
8.	Bidders shall provide information on any high-performance libraries for mathematical functions that are provided with the System. Information should include comparisons with the standard libraries in terms of timings and accuracy.		
9.	It is highly desirable that any libraries that are required for the effective use of the System give results reproducible at the bit level even when the number of processors used by the application is changed.		
10.	An interactive source level debugger must be provided that is capable of giving application developers access to information necessary for quick and effective debugging of a single application written in Fortran, C and C++ and executing over multiple nodes using a mixture of MPI and OpenMP		
11.	Bidders shall state whether it is necessary to recompile the source code with special switches for the source level debugger to work and give an estimate of any overhead that would occur running in this way.		

12.	Bidders shall describe any message-passing trace-generating software that is available for the System and whether this can be used with programs using OpenMP.		
13.	Whenever a process using a mixture of MPI and OpenMP terminates abnormally, a meaningful description of the cause of the termination together with trace-back information must be given automatically. Bidders shall state whether it is necessary to recompile the source code with special switches, or to enable special run-time traps in order to get trace-back information on process failure and give an estimate of any overhead that would occur running in this way.		
14.	It is desirable that a code performance profiler which gives information at the source line level and loop level is provided. Bidders shall state whether it is necessary to recompile the source code with special switches in order to use the profiler and give an estimate of any overhead that would occur running in this way.		
15.	It is desirable that for an application using a mixture of MPI and OpenMP, tools are provided that are capable of reporting information generated by a hardware performance monitor. It should be possible to gather information at a varying degree of granularity within the application		
16.	Whenever new versions of compilers, libraries or runtimes are delivered and installed, it must be possible for users to continue to access and use previous versions. Bidders shall describe how this can be achieved		
17.	The following 4-step operation must be able to be completed on the Cluster within 12 hours: a) shut down the operating system; b) boot a new version of the operating system and commence normal batch service; c) shut down this new version of the operating system;		

d) boot the original version of the operating system and commence normal batch service. Bidders shall describe how this can be achieved.		
18. For each type of file system, Bidders shall estimate the amount of time required to mount, on all nodes of an otherwise idle Subsystem, five file systems of that type, under the assumption that each such file system was cleanly un-mounted.		

5 MANDATORY TECHNICAL REQUIREMENTS

The bidder must comply with the technical requirements above in sections 4.1.1 to 4.1.11 to be considered for the procurement of the replacement system. The bids that do not comply with the above technical requirements will not be considered for any further evaluation. For bidders to be evaluated on the above technical requirements they must provide the following details:

- Section 4.1.1 to 4.1.11
 - Technical Data Sheet of the manufacturer of the product supplied.
 - Detail Specification of the product supplied.
 - Any information supplier might feel relevant.
 - Valid Original Equipment Manufacturer (OEM) Partner Accreditation for the supplied solution.

Bidders must provide evidence (as requested) of requirements. Bidders that fail to demonstrate compliance with any of the mandatory requirements will not be considered for further evaluation.

6 EVALUATION PROCESS

6.1 Administrative Compliance requirements

Bids received will be verified for completeness and correctness. SAWS reserves the right to accept or reject a bid based on the completeness and correctness of the documentation and information provided. The complete set of bid documents must be completed and submitted.

Bidders are to ensure that they submit the following documentation / information with their bid.

Document	Comments	Compulsory requirement
Proof of registration on the Central Supplier Database (CSD) of National Treasury	Bidders must be registered on the CSD. CSD registration number must be provided.	Yes
SBD 3.1 (Pricing Schedule)	Completed and submitted	Yes
SBD 4 (Declaration of interest)	Completed and signed	Yes
SBD 5 (National Industrial Participation Programme)	Completed and signed	Yes
SBD 6.1 (Preferential Procurement Point)	Completed and signed	Yes
SBD 8 (Declaration of Bidder's past supply chain management practices)	Completed and signed	Yes
SBD 9 (Certificates of Independent Bid Determination)	Completed and signed	Yes
SARS (South African Revenue Service) Tax Compliant	Bidders tax matters must be in order	Yes
BBBEE Certificate	Valid and compliant original B-BBEE and/or certified copies of Sworn Affidavit must be submitted for any points claimed	No

6.2 Mandatory Technical requirements

The following Technical Requirements, which are mandatory, must be complied with by the bidder. Please note that bidders will not be evaluated further if they do not provide evidence confirming compliance with any of the specified mandatory requirements.

	Mandatory technical requirements	Evidence to be submitted with bid
Scope of Work	Comply with section 4	The bidder must supply a detailed technical solution, technical specifications and data sheet of the proposed solution, as well as detail specification on each product offering.
Accreditation	A valid Original Equipment Manufacturer (OEM) Accreditation	A valid OEM Partner Certificate for 2021

Bidders who do not comply with the mandatory technical requirements of the bid will not be considered for further evaluation.

6.3 System and technical experience evaluation for the replacement option

Bidders must score a minimum of 80% in the criteria defined below to be considered for financial evaluation.

Qualification Criteria			Evaluation		
No	Subject	Requirement	Support documentation	Breakdown	Max Score
1	Benchmark	3 simulation results *	Electronic results Section 4, subsection 4.1.5, Table 4.1.3.7	50 = performance better than UKMO results 40 = performance equal to UKMO results 20 = performance 10 % less than UKMO results 0 = performance 11% or more, less than UKMO results	50
2	Minimum System Technical Specifications	System to comply with functional requirements as per Scope of Work (SOW)	Section 4, subsection 4.1.1, 4.1.2, 4.1.4,	30 = 90% compliance or more of requirements 15 = 80 - 89% compliance to requirements 0 = less than 80% compliance to requirements	30
3	System Support and maintenance	Maintenance period with SLA driven performance for no less than 5 years to comply with functional requirements as per SOW	Section 4, subsection 4.1.6	30 = 90% compliance or more of requirements 15 = 80 - 89% compliance to requirements 0 = less than 80% compliance to requirements	30
4	Project Methodology, Deployment Services, Data Migration Services	System design, manufacturing, supply, and commissioning to comply with functional requirements as per SOW	Section 4, subsection 4.1.3	30 = plan meets SAWS milestones 20 = milestones amended, but acceptable 0 = milestones amended, but NOT acceptable	30
5	System resource requirements – System Power	System power requirements to comply with functional requirements as per SOW **	Section 4, subsection 4.1.8	10 = lowest submitted resources required 5 = resources submitted between 10 and 15% of lowest submitted 3 = resources submitted greater than 15% of lowest submitted	10
6	System resource requirements – Cooling requirements	System cooling requirements to comply with functional requirements as per SOW **	Section 4, subsection 4.1.8	10 = lowest submitted resources required 5 = resources submitted between 10 and 15% of lowest submitted 3 = resources submitted greater than 15% of lowest submitted	10
7	System resource requirements – Floor space requirements	System space requirements to comply with functional requirements as per SOW **	Section 4, subsection 4.1.8	10 = lowest submitted resources required 5 = resources submitted between 10 and 15% of lowest submitted	10

SPECIFICATIONS / TERMS OF REFERENCE: ANNEXURE H

				3 = resources submitted greater than 15% of lowest submitted	
8	Training Plan, Security and Documentation	System documentation, system Security, System training to be provided as per functional requirements as per SOW	Section 4, subsection 4.1.7 and 4.1.9	20 = good training plan, security plan and documentation 10 = adequate training plan, security plan and documentation 0 = Poor training plan, security plan and documentation	20
9	Technical experience	Submission of relevant projects completed within the last 5 years (including current projects)	Reference letter(s) from customers with contact detail. Section 4, subsection 4.1.10	20 = 5 or more references 15 = 3 to 4 References 10 = 1 to 2 References 0 = None	20
Total					210

Bidders who score 80% and more will qualify for further evaluation in terms of Price and B-BBEE.

Evaluation Notes:

* Benchmarking evaluation for the replacement:

The benchmark scenarios for the machine will be evaluated as follows:

UM Model Run	Benchmark Results (minutes)
SA4 Individual Run	$\frac{UKMO\ results}{Bidders\ results} = X_{SA4}$
SA1.5 Individual Run	$\frac{UKMO\ results}{Bidders\ results} = Y_{SA1.5}$
SA4 and SA1.5 run in parallel	$\frac{UKMO\ results}{Bidders\ results} = Z_{SAP}$

** Resource requirement evaluation:

Resource	Evaluation	Bidders results to be averaged across all three resources for evaluation
Power	$\frac{lowest\ submitted\ power\ usage}{bidders\ power\ usage}$	
Cooling	$\frac{lowest\ submitted\ cooling\ requirement}{bidders\ cooling\ requirement}$	
Space	$\frac{lowest\ submitted\ space\ usage}{bidders\ space\ requirement}$	

6.4 PRICE AND B-BBEE EVALUATION

Bidders who comply with the requirements of this bid will be evaluated according to the preference point scoring system as determined in the Preferential Procurement Regulations, 2017 pertaining to the Preferential Procurement Policy Framework Act, Act No 5 of 2000.

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 NOT to exceed R50 000 000 (all applicable taxes included) and therefore the 80/20 preference point system shall be applicable.

Points for this bid shall be awarded for:

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

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	100

7 PRICING SCHEDULE

The following pricing schedule is mandatory for evaluation.

Description	Year 1	Year 2	Year 3	Year 4	Year 5	Total in Rands
Hardware Costs in Rands						
Software costs in Rands						
Support and Maintenance Costs in Rands						
Onsite support for the HPC solution and parallel file system						
Consulting, deployment, data migration Services						
Training and Certification						
OEM credits						
Total						

7.1 Reference and Background Checks

South African Weather Service reserves the right to conduct Reference checks and Background checks on the bidder and information provided by the bidder.

8 SPECIAL CONDITIONS OF CONTRACT

This bid and all contract emanating there from will be subject to the General Conditions of Contract (GCC) issued in accordance with Chapter 16A of the Treasury Regulations published in terms of the Public Finance Management Act, 1999 (Act 1 of 1999). The Special Conditions are supplement to that of the General Conditions of Contract. Where, however the Special Conditions of Contract are in conflict with the General Conditions of Contract, the Special Conditions of the Contract prevail.

8.1 Delivery

All goods shall be delivered, as agreed mutually agreed upon in writing, to the following physical address:

South African Weather Service
Eco Glades block 1b
Eco Park
Cnr Olievenhoutbosch and Ribbon Grass Streets
Centurion
0157

8.2 Reference and Background Checks

South African Weather Service reserves the right to conduct Reference checks and Background checks on the bidder and information provided by the bidder.

Annexure I

POPIA : Supplier Notice and Consent Form



**South African
Weather Service**

Private Bag X097, Pretoria, 0001 • Tel: + 27 (0) 12 367 6000 • www.weathersa.co.za • USSD: *120*7297#

POPIA: SUPPLIER NOTICE AND CONSENT FORM

I confirm that I am duly authorised to sign this consent form.

Name (Print)

Capacity

Signature

Name of Firm

Date



(Hereinafter referred to as “the **Data Subject** “)

A company/organization duly incorporated under the laws of Republic of South Africa, having its
main place of business

at....., with

registration number:.....

POPIA: SUPPLIER NOTICE AND CONSENT FORM

Preparatory Statement

Whereas the “**Data Subject**” is in agreement with the contents of this Notice and Consent Form and grants SAWS permission to process certain confidential/personal information, for purposes of

whereas the “**Data Subject**” is considering making an offer (the “**Offer**”) to SAWS on a solicited Bid/Tender/RFQ/RFP/RFI, subject to conducting due diligence, as a result of which certain confidential/personal information of the Data Subject may be disclosed to SAWS.

The Data Subject hereby gives consent to the following:

1. Purposes

SAWS will process, including collect, your personal information (as set out in point 2 below) for the following purposes:

- a) strategic sourcing;
- b) procurement;
- c) contract management;
- d) supplier management;
- e) invoice management;
- f) payments;
- g) debt recovery;
- h) Fraud prevention; and
- i) supplier discovery.

The provision of personal information is voluntary. However, if you do not provide your personal information, we may not be able to perform the above-mentioned purpose/s.

2. Legal basis of the processing

We process your personal information on the basis that (i) processing information is necessary for pursuing our legitimate interests (according to section 11(1) of the Protection of Personal Information Act, No. 4 of 2013 (“POPIA”)), which lies in achieving the purposes as set out in point 1 above, (ii) processing is necessary to carry out actions for the conclusion or performance of “supply chain management functions” for which you are party (according to section 11(1)(b) of POPIA), or (iii) processing complies with an obligation imposed by law on us (according to section 11(1)(c) of POPIA).

We process the following personal information (for specific natural or juristic person and can be used to identify you or that person):

POPIA: SUPPLIER NOTICE AND CONSENT FORM

- a) Master data
 - Name
 - Addresses
 - Contact numbers
 - Email address
 - Other contact details of the supplier
 - Supplier primary contact person's name and contact information
 - Job position and role / qualifications
 - Partner roles of the suppliers needed for invoicing and ordering
 - Identification / company registration number
 - BBBEE status
 - Central Supplier Database number
- b) Accounting and payment information
 - VAT & Income tax numbers
 - Tax clearance pin
 - Bank details
 - Bank account type and number
 - Name of the account holder
 - Attachment of confirmation documents
 - Terms of payment
 - Accounting correspondence
- c) Supplier classification
 - Category
 - Vendor portfolio
 - Product categories
 - Main product category
 - Additional product categories
 - Vendor category.
- d) Declared conflict or potential conflict of interest
- e) Information on goods and/or services offered by supplier
 - quantity and quality of offered goods and/or services
 - other commercial terms of the offer
- f) Contract information
 - commercial terms of the contract
 - legal terms of the contract
 - any other contractual documentation
 - information about contract performance and instances of non-performance

POPIA: SUPPLIER NOTICE AND CONSENT FORM

3. Retention periods

Your personal information will only be kept for as long as we reasonably consider necessary for achieving the purposes set out in point 1 above and as is permissible under applicable laws. We will, in any case, retain your personal information for as long as there are statutory retention obligations or potential legal claims are not yet time barred.

4. Law enforcement

We may disclose personal information if required:

- by a subpoena or court order;
- to comply with any law;
- to protect the safety of any individual or the public; and
- to prevent violation of our supplier relation terms.

5. Regulators

We may disclose your personal information as required by law or governmental audit.

6. Sharing

We may share your personal information with:

- other divisions or public entities within the South African Government as the South African Weather Service (SAWS) is a Section 3(a) public entity under the Ministry of Environmental Affairs and is governed by a Board, so as to provide joint content and services like registration, for transactions and customer support, to help detect and prevent potentially illegal acts and violations of our policies, and to guide decisions about our products, services;
- an affiliate, in which case we will seek to require the affiliates to honor this privacy notice;
- our goods or services providers under contract who help provide certain goods or services or help with parts of our business operations, including fraud prevention, bill collection, marketing, technology services (our contracts dictate that these goods or services providers only use your information in connection with the goods or services they supply or services they perform for the SAWS and not for their own benefit);
- credit bureaus to report account information, as permitted by law;
- banking partners as required by credit card association rules for inclusion on their list of terminated merchants (in the event that you utilize the services to receive payments and you meet their criteria); and
- other third parties who provide us with relevant services, where appropriate.

7. Suppliers rights

Under applicable law, you have, among others, the rights (under the conditions set out in applicable law): (i) to check whether and what kind of personal data we hold about you and to request access to and the right to rectify the information collected (ii) in certain circumstances, to object to the processing of personal information, in the prescribed manner, on reasonable grounds relating to your particular situation, unless legislation provides for such processing or to object for the purposes of direct marketing; or (iii) to lodge a

POPIA: SUPPLIER NOTICE AND CONSENT FORM

complaint with the Information Regulator. The address of the Information Regulator is 33 Hoofd Street Forum III, 3rd Floor Braampark, Braamfontein, Johannesburg.

8. Your obligations

You may only send us your own personal information or the information of another data subject where you have their permission to do so.

9. Security

We take the security of personal information very seriously and always do our best to comply with applicable data protection laws. Our website is hosted in a secure server environment that uses a firewall and other advanced security measures to prevent interference or access from outside intruders. We authorize access to personal information only for those employees who require it to fulfil their job responsibilities. We implement disaster recovery procedures where appropriate.

10. Data Storage

We will try to keep the personal information we collect as accurate, complete, and up to date as is necessary for the purposes defined in this notice. Please note that to better protect you and safeguard your personal information, please inform us of any required corrections to your personal information.

11. Limitation

We are not responsible for, give no warranties, nor make any representations in respect of the privacy policies/notices or practices of any third parties.

12 Enquiries

If you have any questions or concerns arising from this notice and consent form or the way in which we handle personal information, please contact the South African Weather Service Deputy Information Officer:

HEAD OFFICE

Eco Glades block 1b, Eco Park,
Cnr Olievenhoutbosch and Ribbon Grass Streets,
Centurion, 0157
Private Bag X097
Pretoria 0001
+27 12 367 6000
+27 12 367 6000
Email for Head Office: CRS@weathersa.co.za

Annexure J

THE NATIONAL INDUSTRIAL PARTICIPATION PROGRAMME

This document must be signed and submitted together with your bid

THE NATIONAL INDUSTRIAL PARTICIPATION PROGRAMME

INTRODUCTION

The National Industrial Participation (NIP) Programme, which is applicable to all government procurement contracts that have an imported content, became effective on the 1 September 1996. The NIP policy and guidelines were fully endorsed by Cabinet on 30 April 1997. In terms of the Cabinet decision, all state and parastatal purchases / lease contracts (for goods, works and services) entered into after this date, are subject to the NIP requirements. NIP is obligatory and therefore must be complied with. The Industrial Participation Secretariat (IPS) of the Department of Trade and Industry (DTI) is charged with the responsibility of administering the programme.

1 PILLARS OF THE PROGRAMME

1.1 The NIP obligation is benchmarked on the imported content of the contract. Any contract having an imported content equal to or exceeding US\$ 10 million or other currency equivalent to US\$ 10 million will have a NIP obligation. This threshold of US\$ 10 million can be reached as follows:

- (a) Any single contract with imported content exceeding US\$10 million. or
- (b) Multiple contracts for the same goods, works or services each with imported content exceeding US\$3 million awarded to one seller over a 2 year period which in total exceeds US\$10 million. or
- (c) A contract with a renewable option clause, where should the option be exercised the total value of the imported content will exceed US\$10 million. or
- (d) Multiple suppliers of the same goods, works or services under the same contract, where the value of the imported content of each allocation is equal to or exceeds US\$ 3 million worth of goods, works or services to the same government institution, which in total over a two (2) year period exceeds US\$10 million.

1.2 The NIP obligation applicable to suppliers in respect of sub-paragraphs 1.1 (a) to 1.1 (c) above will amount to 30 % of the imported content whilst suppliers in respect of paragraph 1.1 (d) shall incur 30% of the total NIP obligation on a *pro-rata* basis.

- 1.3 To satisfy the NIP obligation, the DTI would negotiate and conclude agreements such as investments, joint ventures, sub-contracting, licensee production, export promotion, sourcing arrangements and research and development (R&D) with partners or suppliers.
- 1.4 A period of seven years has been identified as the time frame within which to discharge the obligation.

2 REQUIREMENTS OF THE DEPARTMENT OF TRADE AND INDUSTRY

- 2.1 In order to ensure effective implementation of the programme, successful bidders (contractors) are required to, immediately after the award of a contract that is in excess of **R10 million** (ten million Rands), submit details of such a contract to the DTI for reporting purposes.
- 2.2 The purpose for reporting details of contracts in excess of the amount of R10 million (ten million Rands) is to cater for multiple contracts for the same goods, works or services; renewable contracts and multiple suppliers for the same goods, works or services under the same contract as provided for in paragraphs 1.1.(b) to 1.1. (d) above.

3 BID SUBMISSION AND CONTRACT REPORTING REQUIREMENTS OF BIDDERS AND SUCCESSFUL BIDDERS (CONTRACTORS)

- 3.1 Bidders are required to sign and submit this Standard Bidding Document (SBD 5) together with the bid on the closing date and time.
- 3.2 In order to accommodate multiple contracts for the same goods, works or services; renewable contracts and multiple suppliers for the same goods, works or services under the same contract as indicated in sub-paragraphs 1.1 (b) to 1.1 (d) above and to enable the DTI in determining the NIP obligation, successful bidders (contractors) are required, immediately after being officially notified about any successful bid with a value in excess of R10 million (ten million Rands), to contact and furnish the DTI with the following information:
 - Bid / contract number.
 - Description of the goods, works or services.
 - Date on which the contract was accepted.
 - Name, address and contact details of the government institution.
 - Value of the contract.
 - Imported content of the contract, if possible.
- 3.3 The information required in paragraph 3.2 above must be sent to the Department of Trade and Industry, Private Bag X 84, Pretoria, 0001 for the attention of Mr

Elias Malapane within five (5) working days after award of the contract. Mr Malapane may be contacted on telephone (012) 394 1401, facsimile (012) 394 2401 or e-mail at Elias@thedti.gov.za for further details about the programme.

4 PROCESS TO SATISFY THE NIP OBLIGATION

4.1 Once the successful bidder (contractor) has made contact with and furnished the DTI with the information required, the following steps will be followed:

- a. the contractor and the DTI will determine the NIP obligation;
- b. the contractor and the DTI will sign the NIP obligation agreement;
- c. the contractor will submit a performance guarantee to the DTI;
- d. the contractor will submit a business concept for consideration and approval by the DTI;
- e. upon approval of the business concept by the DTI, the contractor will submit detailed business plans outlining the business concepts;
- f. the contractor will implement the business plans; and
- g. the contractor will submit bi-annual progress reports on approved plans to the DTI.

4.2 The NIP obligation agreement is between the DTI and the successful bidder (contractor) and, therefore, does not involve the purchasing institution.

Bid number	Closing date:.....
Name of bidder.....	
Postal address	
.....	
Signature.....	Name (in print).....
Date.....	