



SBD 1

**PART A
INVITATION TO BID**

YOU ARE HEREBY INVITED TO BID FOR REQUIREMENTS OF THE LIMPOPO DEPARTMENT OF HEALTH					
BID NUMBER:	HEDP 013/25/26	CLOSING DATE:	23/09/2026	CLOSING TIME:	11:00
DESCRIPTION	SUPPLY, DELIVERY, INSTALLATION, COMMISSIONING, AND MAINTENANCE OF MAMMOGRAPHY MACHINE IN THE LIMPOPO DEPARTMENT OF HEALTH FOR A PERIOD OF 36 MONTHS.				
BID RESPONSE DOCUMENTS MAY BE DEPOSITED IN THE BID BOX SITUATED AT (STREET ADDRESS)					
DEPARTMENT OF HEALTH, 18 COLLEGE STREET, POLOKWANE, LIMPOPO PROVINCE					
THE BID BOX IS GENERALLY OPEN 24 HOURS, 7 DAYS A WEEK.					
BIDDING PROCEDURE ENQUIRIES MAY BE DIRECTED TO			TECHNICAL ENQUIRIES MAY BE DIRECTED TO:		
CONTACT PERSON	Mr Sekome T / Ms. Motene NM		CONTACT PERSON	Dr. Hadzhi R / Ms. Matjila MT	
TELEPHONE NUMBER	(015) 293 6581/ (083) 265 8365 (015) 293 6350/ (063) 692 9368		TELEPHONE NUMBER	(015) 287 5121/ (084) 438 3884 (015) 393 5144/ (083) 437 1056	
E-MAIL ADDRESS	Ntlama.Maphahlele@dhsd.limpopo.gov.za Taelo.Sekome@dhsd.limpopo.gov.za		EMAIL ADDRESS	Rendani.hadzhi@dhsd.limpopo.gov.za Mancha.matjila@dhsd.limpopo.gov.za	
SUPPLIER INFORMATION					
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 QUESTIONNAIRE TO BIDDING FOREIGN SUPPLIERS BELOW]
QUESTIONNAIRE TO BIDDING FOREIGN SUPPLIERS					
				☐ YES	☐ NO
IS THE ENTITY A RESIDENT OF THE REPUBLIC OF SOUTH AFRICA (RSA)?				☐	☐
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 NOT 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, THE GENERAL CONDITIONS OF CONTRACT (GCC) AND, IF APPLICABLE, ANY OTHER SPECIAL CONDITIONS OF CONTRACT.
- 1.4 THE SUCCESSFUL BIDDER WILL BE REQUIRED TO FILL IN AND SIGN A WRITTEN CONTRACT FORM (SBD7).

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 SARS TO ENABLE THE ORGAN OF STATE TO VERIFY THE TAXPAYER'S PROFILE AND TAX STATUS.
- 2.3 APPLICATION FOR 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 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 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."

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

SIGNATURE OF BIDDER:

.....

CAPACITY UNDER WHICH THIS BID IS SIGNED:

(Proof of authority must be submitted e.g. company resolution)

.....

DATE:

.....

PRICING SCHEDULE – NON-FIRM PRICES (PURCHASES)

NOTE: PRICE ADJUSTMENTS WILL BE ALLOWED AT THE PERIODS AND TIMES SPECIFIED IN THE BIDDING DOCUMENTS.

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

Name of Bidder.....Bid number:

Closing Time 11:00.....Closing date.....

OFFER TO BE VALID FOR **365 DAYS** FROM THE CLOSING DATE OF BID.

ITEM NO	QUANTITY	DESCRIPTION	BID PRICE IN RSA CURRENCY **(APPLICABLE TAXES INCLUDED)
			R

-
- Required by:
 - At:
 - Brand and model
 -
 - Country of origin
 - Does the offer comply with the specification(s)? *YES/NO
 - If not to specification, indicate deviation(s)
 - Period required for delivery
 - Delivery: *Firm/not firm

** "all applicable taxes" includes value- added tax, pay as you earn, income tax, unemployment insurance fund contributions and skills development levies.

*Delete if not applicable

PRICE ADJUSTMENTS

A NON-FIRM PRICES SUBJECT TO ESCALATION

IN CASES OF PERIOD CONTRACTS, NON FIRM PRICES WILL BE ADJUSTED (LOADED) WITH THE ASSESSED CONTRACT PRICE ADJUSTMENTS IMPLICIT IN NON FIRM PRICES WHEN CALCULATING THE COMPARATIVE PRICES

2. IN THIS CATEGORY PRICE ESCALATIONS WILL ONLY BE CONSIDERED IN TERMS OF THE FOLLOWING FORMULA:

$$Pa = (1-V)Pt \left[\frac{D1}{R1o} R1t + \frac{D2}{R2o} R2t + \frac{D3}{R3o} R3t + \frac{D4}{R4o} R4t \right] + VPt$$

Where:

- Pa = The new escalated price to be calculated.
- = 85% of the original bid price. **Note that Pt must always be the original bid price and not an escalated price.**
- = Each factor of the bid price eg. labour, transport, clothing, footwear, etc. The total of the various factors D1, D2...etc. must add up to 100%.
- = Index figure obtained from new index (depends on the number of factors used).
- R1o, R2o = Index figure at time of bidding.
- = 15% of the original bid price. This portion of the bid price remains firm i.e. it is not subject to any price escalations.

The following index/indices must be used to calculate your bid price:

Index..... Dated..... Index..... Dated..... Index..... Dated.....

Index..... Dated..... Index..... Dated..... Index..... Dated.....

FURNISH A BREAKDOWN OF YOUR PRICE IN TERMS OF ABOVE-MENTIONED FORMULA. THE TOTAL OF THE VARIOUS FACTORS MUST ADD UP TO 100%.

FACTOR (D1, D2 etc. eg. Labour, transport etc.)	PERCENTAGE OF BID PRICE

PRICES SUBJECT TO RATE OF EXCHANGE VARIATIONS

Please furnish full particulars of your financial institution, state the currencies used in the conversion of the prices of the items to South African currency, which portion of the price is subject to rate of exchange variations and the amounts remitted abroad.

PARTICULARS OF FINANCIAL INSTITUTION	ITEM NO	PRICE	CURRENCY	RATE	PORTION OF PRICE SUBJECT TO ROE	AMOUNT IN FOREIGN CURRENCY REMITTED ABROAD
				ZAR=		
				ZAR=		
				ZAR=		
				ZAR=		
				ZAR=		
				ZAR=		

Adjustments for rate of exchange variations during the contract period will be calculated by using the average monthly exchange rates as issued by your commercial bank for the periods indicated hereunder: (Proof from bank required)

AVERAGE MONTHLY EXCHANGE RATES FOR THE PERIOD:	DATE DOCUMENTATION MUST BE SUBMITTED TO THIS OFFICE	DATE FROM WHICH NEW CALCULATED PRICES WILL BECOME EFFECTIVE	DATE UNTIL WHICH NEW CALCULATED PRICE WILL BE EFFECTIVE

*Delete if not applicable

BIDDER'S DISCLOSURE**1. PURPOSE OF THE FORM**

Any person (natural or juristic) may make an offer or offers in terms of this invitation to bid. In line with the principles of transparency, accountability, impartiality, and ethics as enshrined in the Constitution of the Republic of South Africa and further expressed in various pieces of legislation, it is required for the bidder to make this declaration in respect of the details required hereunder.

Where a person/s are listed in the Register for Tender Defaulters and / or the List of Restricted Bidders, that person will automatically be disqualified from the bid process.

2. Bidder's declaration

- 2.1 Is the bidder, or any of its directors / trustees / shareholders / members / partners or any person having a controlling interest¹ in the enterprise, employed by the state? **YES/NO**
- 2.1.1 If so, furnish particulars of the names, individual identity numbers, and, if applicable, state employee numbers of sole proprietor/ directors / trustees / shareholders / members/ partners or any person having a controlling interest in the enterprise, in table below.

Full Name	Identity Number	Name of State institution

- 2.2 Do you, or any person connected with the bidder, have a relationship with any person who is employed by the procuring institution? **YES/NO**

- 2.2.1 If so, furnish particulars:

- 2.3 Does the bidder or any of its directors / trustees / shareholders / members / partners or any person having a controlling interest in the enterprise have any interest in any other related enterprise whether or not they are bidding for this contract? **YES/NO**

- 2.3.1 If so, furnish particulars:

3 DECLARATION

I, the undersigned, (name)..... in submitting the accompanying bid, do hereby make the following statements that I certify to be true and complete in every respect:

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

- 3.1 I have read and I understand the contents of this disclosure;
- 3.2 I understand that the accompanying bid will be disqualified if this disclosure is found not to be true and complete in every respect;
- 3.3 The bidder has arrived at the accompanying bid independently from, and without consultation, communication, agreement or arrangement with any competitor. However, communication between partners in a joint venture or consortium² will not be construed as collusive bidding.
- 3.4 In addition, there have been no consultations, communications, agreements or arrangements with any competitor regarding the quality, quantity, specifications, prices, including methods, factors or formulas used to calculate prices, market allocation, the intention or decision to submit or not to submit the bid, bidding with the intention not to win the bid and conditions or delivery particulars of the products or services to which this bid invitation relates.
- 3.4 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.
- 3.5 There have been no consultations, communications, agreements or arrangements made by the bidder with any official of the procuring institution in relation to this procurement process prior to and during the bidding process except to provide clarification on the bid submitted where so required by the institution; and the bidder was not involved in the drafting of the specifications or terms of reference for this bid.
- 3.6 I am aware that, in addition and without prejudice to any other remedy provided to combat any restrictive practices related to bids and contracts, bids that are suspicious will be reported to the Competition Commission for investigation and possible imposition of administrative penalties in terms of section 59 of the Competition Act No 89 of 1998 and or may be reported to the National Prosecuting Authority (NPA) for criminal investigation and or may be restricted from conducting business with the public sector for a period not exceeding ten (10) years in terms of the Prevention and Combating of Corrupt Activities Act No 12 of 2004 or any other applicable legislation.

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

I ACCEPT THAT THE STATE MAY REJECT THE BID OR ACT AGAINST ME IN TERMS OF PARAGRAPH 6 OF PFMA SCM INSTRUCTION 03 OF 2021/22 ON PREVENTING AND COMBATING ABUSE IN THE SUPPLY CHAIN MANAGEMENT SYSTEM SHOULD THIS DECLARATION PROVE TO BE FALSE.

.....
Signature

.....
Date

.....
Position

.....
Name of bidder

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

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

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

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

1. GENERAL CONDITIONS

1.1 The following preference point systems are applicable to invitations to tender:

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

1.2 **To be completed by the organ of state**

- a) The applicable preference point system for this tender is the **80/20** preference point system.
- b) The **80/20** preference point system will be applicable in this tender. The lowest/ highest acceptable tender will be used to determine the accurate system once tenders are received.

1.3 Points for this tender (even in the case of a tender for income-generating contracts) shall be awarded for:

- (a) Price; and
- (b) Specific Goals.

1.4 **To be completed by the organ of state:**

The maximum points for this tender are allocated as follows:

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

1.5 Failure on the part of a tenderer to submit proof or documentation required in terms of this tender to claim points for specific goals with the tender, will be interpreted to mean that preference points for specific goals are not claimed.

1.6 The organ of state reserves the right to require of a tenderer, either before a tender is adjudicated or at any time subsequently, to substantiate any claim in regard to preferences, in any manner required by the organ of state.

2. DEFINITIONS

- (a) **“tender”** means a written offer in the form determined by an organ of state in response to an invitation to provide goods or services through price quotations, competitive tendering process or any other method envisaged in legislation;

- (b) **“price”** means an amount of money tendered for goods or services, and includes all applicable taxes less all unconditional discounts;
- (c) **“rand value”** means the total estimated value of a contract in Rand, calculated at the time of bid invitation, and includes all applicable taxes;
- (d) **“tender for income-generating contracts”** means a written offer in the form determined by an organ of state in response to an invitation for the origination of income-generating contracts through any method envisaged in legislation that will result in a legal agreement between the organ of state and a third party that produces revenue for the organ of state, and includes, but is not limited to, leasing and disposal of assets and concession contracts, excluding direct sales and disposal of assets through public auctions; and
- (e) **“the Act”** means the Preferential Procurement Policy Framework Act, 2000 (Act No. 5 of 2000).

3. FORMULAE FOR PROCUREMENT OF GOODS AND SERVICES

3.1 POINTS AWARDED FOR PRICE

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

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

$$\begin{array}{ccc} \mathbf{80/20} & \mathbf{or} & \mathbf{90/10} \\ \\ Ps = 80 \left(1 - \frac{Pt - P_{min}}{P_{min}} \right) & \text{or} & Ps = 90 \left(1 - \frac{Pt - P_{min}}{P_{min}} \right) \end{array}$$

Where

Ps = Points scored for price of tender under consideration

Pt = Price of tender under consideration

Pmin = Price of lowest acceptable tender

3.2 FORMULAE FOR DISPOSAL OR LEASING OF STATE ASSETS AND INCOME GENERATING PROCUREMENT

3.2.1 POINTS AWARDED FOR PRICE

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

$$\begin{array}{ccc} \mathbf{80/20} & \mathbf{or} & \mathbf{90/10} \\ \\ Ps = 80 \left(1 + \frac{Pt - P_{max}}{P_{max}} \right) & \text{or} & Ps = 90 \left(1 + \frac{Pt - P_{max}}{P_{max}} \right) \end{array}$$

Where

Ps = Points scored for price of tender under consideration

Pt = Price of tender under consideration

Pmax = Price of highest acceptable tender

4. POINTS AWARDED FOR SPECIFIC GOALS

- 4.1 In terms of Regulation 4(2); 5(2); 6(2) and 7(2) of the Preferential Procurement Regulations, preference points must be awarded for specific goals stated in the tender. For the purposes of this tender the tenderer will be allocated points based on the goals stated in table 1 below as may be supported by proof/ documentation stated in the conditions of this tender:

- 4.2 In cases where organs of state intend to use Regulation 3(2) of the Regulations, which states that, if it is unclear whether the 80/20 or 90/10 preference point system applies, an organ of state must, in the tender documents, stipulate in the case of—
- (a) an invitation for tender for income-generating contracts, that either the 80/20 or 90/10 preference point system will apply and that the highest acceptable tender will be used to determine the applicable preference point system; or
- (b) any other invitation for tender, that either the 80/20 or 90/10 preference point system will apply and that the lowest acceptable tender will be used to determine the applicable preference point system, then the organ of state must indicate the points allocated for specific goals for both the 90/10 and 80/20 preference point system.

Table 1: Specific goals for the tender and points claimed are indicated per the table below.

(Note to organs of state: Where either the 90/10 or 80/20 preference point system is applicable, corresponding points must also be indicated as such.)

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

THE SPECIFIC GOALS ALLOCATED POINTS IN TERMS OF THIS TENDER	NUMBER OF POINTS ALLOCATED (80/20 SYSTEM) (TO BE COMPLETED BY THE ORGAN OF STATE)	NUMBER OF POINTS CLAIMED (80/20 SYSTEM) (TO BE COMPLETED BY THE TENDERER)
Woman	20/20	

SPECIFIC GOALS

To be eligible to claim preference points in terms of Preferential Procurement Policy 2022, bidders must submit or provide proof of the following documents:

- ☐ Enterprise Located in Limpopo: Bidders must attach proof of residence of where the enterprise is located (Limited to lease agreement, Utility bill from municipality, and letter from tribal authority) the proof of residence should either be in the name of the director or the business entity).

DECLARATION WITH REGARD TO COMPANY/FIRM

4.3. Name of company/firm.....

4.4. Company registration number:

4.5. TYPE OF COMPANY/ FIRM

- ☐ Partnership/Joint Venture / Consortium
- ☐ One-person business/sole propriety
- ☐ Close corporation
- ☐ Public Company
- ☐ Personal Liability Company
- ☐ (Pty) Limited
- ☐ Non-Profit Company
- ☐ State Owned Company

[TICK APPLICABLE BOX]

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

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

.....
SIGNATURE(S) OF TENDERER(S)

SURNAME AND NAME:

DATE:

ADDRESS:

.....

.....

.....

GOVERNMENT PROCUREMENT GENERAL CONDITIONS OF CONTRACT

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.

TABLE OF CLAUSES

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2. Applications
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6. Patent rights
7. Performance security
8. Inspections, tests and analysis
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31. Notices
32. Taxes and duties
33. National Industrial Participation Programme (NIPP)
34. Prohibition of restrictive practices

General Conditions of Contract

1. Definitions

The following terms shall be interpreted as indicated:

- 1.1 **"Closing time"** means the date and hour specified in the bidding documents for the receipt of bids.
- 1.2 **"Contract"** means the written agreement entered into between the purchaser and the supplier, as recorded in the contract form signed by the parties, including all attachments and appendices thereto and all documents incorporated by reference therein.
- 1.3 **"Contract price"** means the price payable to the supplier under the contract for the full and proper performance of his contractual obligations.
- 1.4 **"Corrupt practice"** means the offering, giving, receiving, or soliciting of 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 subsidised 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 recognised 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.
2. Application	2.1 These general conditions are applicable to all bids, contracts and orders including bids for functional and professional services, sales, hiring, letting and the granting or acquiring of rights, but excluding immovable property, unless otherwise indicated in the bidding documents. 2.2 Where applicable, special conditions of contract are also laid down to cover specific supplies, services or works. 2.3 Where such special conditions of contract are in conflict with these general conditions, the special conditions shall apply.
3. General	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 nonrefundable fee for documents may be charged. 3.2 With certain exceptions, invitations to bid are only published in the Government Bid Bulletin. The Government Bid Bulletin may be obtained directly from the Government Printer, Private Bag X85, Pretoria 0001, or accessed electronically from www.treasury.gov.za
4. Standards	4.1 The goods supplied shall conform to the standards mentioned in the bidding documents and specifications.
5. Use of contract documents and information; inspection.	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. 5.2 The supplier shall not, without the purchaser’s prior written consent, make use of any document or information mentioned in GCC clause 5.1 except for purposes of performing the contract. 5.3 Any document, other than the contract itself mentioned in GCC clause 5.1 shall remain the property of the purchaser and shall be returned (all copies) to the purchaser on completion of the supplier’s performance under the contract if so required by the purchaser. 5.4 The supplier shall permit the purchaser to inspect the supplier’s records relating to the performance of the supplier and to have them audited by auditors appointed by the purchaser, if so required by the purchaser.
6. Patent rights	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.
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 analysed 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. 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. 9.2
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.
16. Payment	16.1 The method and conditions of payment to be made to the supplier under this contract shall be specified in SCC. 16.2 The supplier shall furnish the purchaser with an invoice accompanied by a copy of the delivery note and upon fulfilment of other obligations stipulated in the contract. 16.3 Payments shall be made promptly by the purchaser, but in no case later than thirty (30) days after submission of an invoice or claim by the supplier. 16.4 Payment will be made in Rand unless otherwise stipulated in SCC.
17. Prices	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 authorised in SCC or in the purchaser's request for bid validity extension, as the case may be.

18. Contract Amendments	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.
19. Assignment	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.
20. Subcontracts	20.1 The supplier shall notify the purchaser in writing of all subcontracts awarded under these 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.
21. Delays in the supplier's performance	21.1 Delivery of the goods and performance of services shall be made by the supplier in accordance with the time schedule prescribed by the purchaser in the contract.
	21.2 If at any time during performance of the contract, the supplier or its subcontractor(s) should encounter conditions impeding timely delivery of the goods and performance of services, the supplier shall promptly notify the purchaser in writing of the fact of the delay, its likely duration and its cause(s). As soon as practicable after receipt of the supplier's notice, the purchaser
	shall evaluate the situation and may at his discretion extend the supplier's time for performance, with or without the imposition of penalties, in which case the extension shall be ratified by the parties by amendment of contract. 21.3 No provision in a contract shall be deemed to prohibit the obtaining of supplies or services from a national department, provincial department, or a local authority.
	21.4 The right is reserved to procure outside of the contract small quantities or to have minor essential services executed if an emergency arises, the supplier's point of supply is not situated at or near the place where the supplies are required, or the supplier's services are not readily available.
	21.5 Except as provided under GCC Clause 25, a delay by the supplier in the performance of its delivery obligations shall render the supplier liable to the imposition of penalties, pursuant to GCC Clause 22, unless an extension of time is agreed upon pursuant to GCC Clause 21.2 without the application of penalties. 21.6 Upon any delay beyond the delivery period in the case of a supplies contract, the purchaser shall, without cancelling the contract, be entitled to purchase supplies of a similar quality and up to the same quantity in substitution of the goods not supplied in conformity with the contract and to return any goods delivered later at the supplier's expense and risk, or to cancel the contract and buy such goods as may be required to complete the contract and without prejudice to his other rights, be entitled to claim damages from the supplier.
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 to impose a restriction on a supplier or any person associated with the supplier, the supplier will be allowed a time period of not more than 14 days to provide reasons why the envisaged restriction should not be imposed. Should the supplier fail to respond within the stipulated 24 days the purchaser may regard the intended penalty as not objected against and 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, should be applicable to any other enterprise or nay 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 mention person, is or was in the opinion of the AO/AA actively associated. 23.6 If a restriction is imposed, the purchaser must, within 5 days of such imposition 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 person prohibited from doing business with the public sector. 23.7 If a court of law convicts a person on an offence as contemplated in section 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 Bid 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 5 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's web-site.
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 antidumping 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; (b) and the purchaser shall pay the supplier any monies due the supplier.
28. Limitation of Liability	28.1 Except in cases of criminal negligence or wilful 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 Programme (NIP)	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.

General Conditions of Contract

The bidder declares to accept all the General Condition of Contract (GCC) as specified above by indicating with an “X” in the “ACCEPT ALL” column.	ACCEPT ALL	DO NOT ACCEPT ALL

NOTE: FAILURE TO ACCEPT ALL THE GENERAL CONDITION OF THE CONTRACT AS SPECIFIED IN THE GCC WILL RESULT IN DISQUALIFICATION OF YOUR BID.

Signature..... Name (in print).....

Date.....



LIMPOPO
PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA

TERMS OF REFERENCE

HEDP 013/25/26 - SUPPLY, DELIVERY, INSTALLATION, COMMISSIONING, AND MAINTENANCE OF MAMMOGRAPHY MACHINE IN THE LIMPOPO DEPARTMENT OF HEALTH FOR A PERIOD OF 36 MONTHS.

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1. PURPOSE

- 1.1. The purpose of this request for bid (RFB) is to invite bidders with a track record in the supply, delivery, commissioning and maintenance of the mammography machines.

2. BACKGROUND

- 2.1. The department of health offers various specialized clinical services that require advanced technology in order to ensure effective and efficient medical diagnosis and surgical treatment.

3. SCOPE OF WORK

- 3.1. The successful bidder/s is/are expected to supply, deliver, commission and maintain the mammography machine to the Limpopo department of health.
- 3.2. The supply and delivery will be undertaken through outright purchase during the period of the contract.
- 3.3. The potential bidder will be expected to maintain the unit during the warranty period without any cost to the department.
- 3.4. The successful bidder will enter into a ninety-six (96) months comprehensive maintenance arrangement to sustain the operational efficiency of the unit which will come into effect after the expiry of the twenty-four-month warranty period.
- 3.5. The successful bidder shall guarantee the availability of parts and accessories for the duration of the maintenance period.
- 3.6. The successful bidder will be expected to train the end users during the contract period as and when the need arises at no additional cost.

4. KEY ASPECTS OF THE BID PROPOSAL

- 4.1. Bidders must take note of the following fundamental aspects before submission of their bid proposals:
 - 4.1.1. The successful bidder will be bound by Government Legislative Framework i.e. the General Conditions of Contract (GCC) and the Special Conditions of Contract (SCC), which will form part of the signed contract. However, LDoH reserves the right to include or waive any condition in the signed contract.
 - 4.1.2. The signed contract, which is inclusive of the GCC, SCC and Technical Specification shall be signed within seven (7) days after the acceptance of award of the bid. The department shall enter into a Service Level Agreement (SLA) which is regarded as a performance agreement. The SLA will be finalized within 30 days after signing of the contract with the Accounting Officer or his/her delegate.
 - 4.1.3. LDoH reserves the right to:
 - 4.1.3.1. Negotiate the conditions, or
 - 4.1.3.2. Automatically disqualify a bidder for not accepting these conditions
 - 4.1.3.3. In the event that the bidder qualifies the proposal with own conditions and does not specifically

withdraw such conditions when requested upon to do so, LDoH shall disqualify the bid.

- 4.1.4. Bidders must submit their bids on the stipulated closing date and time. Late bids will not be accepted.
- 4.1.5. In order to evaluate and adjudicate bid effectively, it is imperative that bidders submit responsive bids. It is imperative to comply with all conditions pertaining to terms of reference to ensure a responsive bid.
- 4.1.6. The bid document must be completed with indelible ink and alterations/corrections must be signed for (No correction fluid/eraser allowed);
- 4.1.7. Each bidder must attach all applicable documents in support of its bid in accordance with the requirements set out in this bid as well as any other relevant materials, photographs and/or attachments.
- 4.1.8. The department reserves the right to verify any information supplied by the bidder and should the information be found to be false or incorrect, the department will disqualify the bidder and may further exercise any of the remedies available to it.
- 4.1.9. Each bid, once submitted, constitutes a binding and irrevocable offer to provide goods and services on the terms set out in the bid, which offer cannot be amended after its date of submission except for arithmetic errors.
- 4.1.10. The department reserves the right to invite any bidder for a formal presentation during the evaluation. A bidder should be prepared to do so at a venue that is convenient to the LDoH. All costs involved in the presentation or demonstration shall be borne by the bidder.
- 4.1.11. The department may, for any reason and at any time during the selection process, request any bidder to supply further information and/or documentation.
- 4.1.12. Bidders who wish to provide a TAX PIN must use the email indicated on the SBD 1 under **Bidding Procedure Enquiries** when completing tax pin request on the efilng system.

5. BID AWARD AND CONTRACT CONDITIONS.

- 5.1. Bidders must submit their bids in line with the bid specification. Failure to comply shall invalidate the bid.
- 5.2. Bidders shall be notified about the decision of the Department by means of publication on the Departmental website and E-tender portal.

6. THE BID ALLOCATION STRATEGY

- 6.1. The department reserves the right to award or not to award the bid.
- 6.2. The bid shall be awarded to the bidder who scored the highest points on price and specific goals.
- 6.3. In the event where a bidder is awarded and rejects the award, the bid shall be awarded to the next highest points scoring bidder.
- 6.4. Furthermore, if the bidder fails to deliver within a period of three months after issuing of the purchase order, the award will be cancelled and passed to the next highest points scoring bidder on the same terms and conditions provided the bid offer is market related.

7. RISK MANAGEMENT ON PRICING AND AWARDING

- 7.1. The department shall conduct market research to determine if the preferred bidder did not underquote or overcharge their offer.
- 7.2. Overcharged prices shall be subjected to price negotiation or a price offer by the department (as a process to kick-start the negotiation).
- 7.3. Underquoted prices may be subjected to price justification.
- 7.4. Prices must be **all inclusive** i.e. **(Business overheads and applicable taxes)**.

8. VALIDITY PERIOD OF THE BID

- 8.1. Bidders to take note that the bid shall be valid for the period of **365 days** and the validity period may be extended if necessary.
- 8.2. Bidders to note that when the department issues and extension of validity period notice, bidders who do not respond by the date of bid closure the department will consider the non-response as an acceptance of the extension of the validity period.

9. RATE OF EXCHANGE (ROE) CLAIMS

- 9.1. Should the price be subjected to Rate of Exchange (ROE), claims for ROE variation will be considered. Claims for the rate of exchange variation will only be considered on receipt of requests from suppliers. All relevant documents must accompany the claims. Claims for ROE shall be applicable to suppliers that have, in their Bid documents, indicated the ROE at the time of bidding.
- 9.2. Bidders must complete SBD 3.2 on the applicable portion of prices subject to rate of exchange variations.

10. DECLARATION OF COMPLIANCE TO SCC

THE BIDDER DECLARES TO ACCEPT ALL THE CONDITIONS AS OUTLINED IN THE SPECIAL CONDITIONS OF CONTRACT AS SPECIFIED ABOVE BY INDICATING WITH AN "X" IN THE "ACCEPT ALL" COLUMN.	ACCEPT ALL	DO NOT ACCEPT ALL
NOTE: FAILURE TO ACCEPT ALL THE SCC AS SPECIFIED IN THE ABOVE MAY RESULT IN DISQUALIFICATION OF YOUR BID. Signature.....Name (in print) Date.....		

11. EVALUATION CRITERIA

11.1. The bid shall be evaluated in four **(4)** phases as follows

11.1.1. Mandatory requirements

11.1.2. Administrative compliance

11.1.3. Technical specification compliance

11.1.4. Price and specific goals

11.1.1. PHASE 1: MANDATORY REQUIREMENTS

The bidders' eligibility will be tested against the following mandatory requirements, failure of which will lead to disqualification:

TABLE 1: MANDATORY BIDDING REQUIREMENTS

NO	MANDATORY BIDDING REQUIREMENTS	BIDDER'S RESPONSE (Submitted/ Not Submitted)
11.1.1.1.	Submission of a copy of valid license and registration from South African Health Products Regulatory Authority (SAHPRA) as a manufacturer, distributor or wholesaler.	
11.1.1.2.	A valid copy of license from SAHPRA to supply the brand and model of the device to be supplied under the bidder's name Or letter of authorization from the license holder (together with all applicable licenses and registration certificates) in case where the license is not in the name of bidder.	
11.1.1.3.	<u>Bid Declarations:</u> The following declarations must be completed and signed <u>General Conditions of Contract (GCC)</u>	
11.1.1.4.	<u>Bid Declarations:</u> The following declarations must be completed and signed <u>Special Conditions of Contract (SCC)</u>	
NO	MANDATORY BIDDING REQUIREMENTS	BIDDER'S RESPONSE

		(Submitted / Not Submitted)
11.1.1.5.	Attachment of the following documents for at least one technical personnel: • Comprehensive CV, • Technical qualification, Product training certificate (Mammography machine)	
11.1.1.6.	Attachment of the following documents for at least one clinical application specialist personnel: • Comprehensive CV, • Clinical qualification Product training certificate (Mammography machine)	

11.2.1. PHASE 2: ADMINISTRATIVE COMPLIANCE

- 11.2.1.1. The LDoH has prescribed minimum administrative requirements that must be met by all bidders, in order for the former to accept the bid for evaluation. In this regard, administrative compliance will be carried out to determine whether the bidder's bid complies.
- 11.2.1.2. Where the bidder fails to comply fully with any of the administrative bidding requirements under the bid or the LDoH is for any reason unable to verify whether administrative bidding requirements are fully complied with, the LDoH reserves the right to:
- Rejects the bid in question and not evaluate it at all.
 - Give the bidder an opportunity to submit and /or supplement the information and /or documentation provided to achieve full compliance with the administrative bidding requirements, provided that such information/ documentation can be provided within

the period that will be determined by the LDoH and such supplementary information/ documentation is only administrative and not substantive in nature.

- c) The evaluation team shall agree on the maximum timeframe to be granted to provide the information required.
- d) Permit the bid to be evaluated, subject to the outstanding information and/or documentation being submitted prior to the award of the bid.
- e) The LDoH may waive any minor informality or non-conformity in a bid which does not constitute a material deviation, provided such waiver does not prejudice any bidder.
- f) Verification of experience and other critical documentation may be done.

11.2.1.3. Bidders shall take note of the following guidelines:

- a) The below administrative bidding requirements shall be complied with and required documents must be attached before consideration for evaluation. The bidder shall respond with **“Comply”**, **“Not Comply”** or **“Not Applicable”** in the apportioned spaces. The **“Not Applicable”** answer shall only be considered where the response field has the wording **“If Applicable”**.

NB: Bidders may be disqualified for failure to comply with the above guidelines when responding to administrative bidding requirements or failure to attach or complete and/or sign any of the designated areas of the documents mentioned above. Bidders may be given an opportunity to remedy administrative errors or omissions that are not substantive in nature (which does not advance the bidder or provide an added advantage to the bidder).

TABLE 2.: ADMINISTRATIVE BIDDING REQUIREMENTS

FOL	ADMINISTRATIVE BIDDING REQUIREMENTS	BIDDER'S RESPONSE (Comply/ Not Comply / Not Applicable)
11.2.1.3.1.	Submission of the following standard bidding documents (fully completed and signed)	
I.	SBD 1: Invitation to Bid	

FOL	ADMINISTRATIVE BIDDING REQUIREMENTS	BIDDER'S RESPONSE (Comply/ Not Comply / Not Applicable)
II.	SBD 3.2: Non-firm price	
III.	SBD 4: Bidders disclosure NB. All companies that are under the name of the director/shareholder/partner or member or trustees as per CSD Report must be declared, irrespective of whether they (Companies) are used for bidding or not including Joint Venture/ Consortium/Partnership	
11.2.1.3.2.	In case of Consortium or Joint Venture or Partnership (IF APPLICABLE) the following are required:	
I.	Signed agreement between involved parties indicating the lead member;	
II.	Consortium or Joint venture resolution authorizing a particular person to sign the bid documents on behalf of the consortium or joint venture	
11.2.1.3.3.	Submission of the manufacture brochure of the unit to be supplied. The brochure must be written in English.	
11.2.1.3.4.	Submit the letter of guarantee for availability of spare parts from the original equipment manufacturer (OEM) and consumables for the lifespan of the equipment (Submit confirmation letter).	
11.2.1.3.5.	Bidder to submit the letter confirming the life span of the equipment to be supplied from the original equipment manufacturer (Attach a copy).	

11.3.1. PHASE 3 (THREE): TECHNICAL SPECIFICATION REQUIREMENTS

- **General Requirements of the Specifications (Refer to Annexure A)**
- All the potential bidders must take the following into account: (failure to demonstrate the consideration of these requirements may result in disqualification of the bid).

11.3.1.1. Warranty

- a. Bidders must supply a minimum of twenty-four (24) months' warranty against poor workmanship and latent defects and parts. This must be all inclusive of labour, traveling and accommodation.
- b. The successful bidder will be expected to provide comprehensive corrective and preventative maintenance during the warranty period.

11.3.1.2. Maintenance and service

- a) Successful bidder should be able to attend to the equipment within 8 hours of call by the department.
- b) The cost of patient care incurred during equipment downtime of more than 24 hours will be billed on the account of the successful bidder.
- c) The successful bidder should enter a ninety-six (96) months comprehensive maintenance contract effective after the expiry of the twenty-four (24) month warranty period.
- d) Maintenance offer to indicate the following per year **(Year 3 to Year 10)**:
 - Labour Rate p/hour
 - Travelling cost per km
 - Number of services per year
 - Any other items unspecified but applicable

11.3.1.3. Training

- a) The successful bidder will be responsible for training of all the relevant users in the operation of the unit.
- b) Supply on-site training.
- c) Provide follow up training when required at no additional cost during contract period.
- d) Comprehensive user / operation and technical manuals to be supplied.
- e) The successful bidder will be providing quality control and quality assurance testing training for radiographers and medical physicists.
- f) Training certificates and attendance registers must be provided upon completion.

11.3.1.4. General

- a) The successful bidder will be responsible for software updates at no additional cost during the maintenance period.

- b) The delivery of the equipment should be made within a period of twelve (12) weeks after the receipt of the purchase order. ***Failure to deliver within stipulated time shall lead to cancellation of the purchase order and the contract.***

11.3.1.5. COMPREHENSIVE PRICING SCHEDULE

EQUIPMENT DESCRIPTION: MAMMOGRAPHY MACHINE		BID PRICE (R)
Unit price: (Supply, delivery, installation, commissioning including standard accessories) NB: Bidder to itemize all components of the unit	MAMMOGRAPHY MACHINE	R
Maintenance	Year 1	Warranty
Maintenance	Year 2	Warranty
Maintenance	Year 3	R
Maintenance	Year 4	R
Maintenance	Year 5	R
Maintenance	Year 6	R
Maintenance	Year 7	R
Maintenance	Year 8	R
Maintenance	Year 9	R
Maintenance	Year 10	R
GRAND TOTAL		R

NB: Please include itemized bill for the maintenance cost per year.

11.3.1.6. ACCESSORIES

Bidder must provide all essential accessories that are necessary to make the machine functional and accommodative to the patient at no additional cost.

11.4. PHASE 4 (FOUR): EVALUATION ON PRICE AND SPECIFIC GOALS

11.4.1. Price and specific goals evaluation requirements

- a. This bid shall be evaluated in terms of **80/20** preference points system.

- b. To be eligible to claim preference points, bidders must complete **SBD 6.1** (Preference points claim form in terms of the Preferential Procurement Regulations 2022).

11.4.2. SPECIFIC GOALS ALLOCATION CRITERIA

Points for specific goals shall be awarded to a bidder in accordance with the table below:

SPECIFIC GOALS	PREFERENTIAL POINTS
	80/20
Woman	20/20

11.4.3. REQUIREMENTS FOR ATTAINING SPECIFIC GOALS

To be eligible to claim preference points in terms of Preferential Procurement Policy 2022, bidders must submit or provide proof of the following documents:

- a. **Women:** Bidders must submit proof of registration on Central Supplier Database (CSD) report or provide “MAAA” number.

NB: The allocation of specific goals will be based on the equity ownership held in the company.

12. COMPULSORY SITE VISIT

12.1.1. There will be **no site visit** for this bid.

NB: BIDDERS MUST ATTEND ALL COMPULSORY SITE AND BRIEFING SESSION

13. ENQUIRIES

All enquiries regarding the bid may be directed to the following:

Technical Enquiries	Bidding Process
Dr. Hadzhi R Rendani.hadzhi@dhsd.limpopo.gov.za	Ms Motene NM Ntlama.mphahlele@dhsd.limpopo.gov.za
Ms. Matjila MT Mancha.matjila@dhsd.limpopo.gov.za	Mr Sekome T Taelo.sekome@dhsd.limpopo.gov.za

14. ANNEXURE A: DETAILED TECHNICAL SPECIFICATIONS

Digital Mammography System with Tomo synthesis and Biopsy Guide			
General description The system must be advanced high-end digital mammography machine for general screening, diagnostics and interventional applications. It should be a 3D mammography (Digital Breast Tomosynthesis) unit. The system should be compatible with Stereotactic Biopsy, Tomo Biopsy applications, Vacuum Assisted Biopsy, Contrast Enhanced Digital Mammography, Contrast Guided Biopsy and also have certified computer Aided Detection (CAD) software.			
ITEM	SPECIFICATION	COMPLY: (YES/NO)	DETAILS OF OFFER
14.1.	Basic unit		
14.1.1	System with integrated, microprocessor-controlled, high-frequency generator		
14.1.2	Source-Image-Distance 65 cm		
14.1.3	Motorized, height-adjustable object table		
14.1.4	Positioning table height-adjustable		
14.1.5	From 69cm to 150cm		
14.2	X-ray Generator		
14.2.1	The generator must be of Constant Potential High Frequency Inverter Type		
14.2.2	The KV must range from 20KV to 50KV		

14.2.3	The mAs must range from 3 to 400mAs		
14.2.4	Exposure time 0.2-4 sec		
14.2.5	Power output should be 5 KW or above		
14.2.6	Maximum number of exposures/hours>100		
14.2.7	Anode heat storage capacity should be at least: HU: 162 000 J: 120 000		
14.2.8	Automatic exposure device to be capable of 7 manual positions from nipple to chest wall and Auto AEC to find the optimum area of the breast		
14.2.9	Exposure times, automatic: ms from 10 to 4000 (large focus) and 60 to 6000 (small focus)		
14.3	X-RAY TUBE		
14.3.1	Tungsten/Molybdenum rotating biangular anode X-ray Tube must be provided.		
14.3.2	A dual focal spot X-ray Tube must be provided at most 0.13 mm small focal and 0.33 mm large focal spot		
14.3.3	Anode heat capacity must be at least 300KHU		
14.3.4	Total inherent filtration of the X-ray tube and shield (mm) to be at least 0,63 .		
14.3.5	Filtration to be included for Tomosynthesis.		
14.3.6	Inherent filtration: 1mm		
14.3.7	Material: Beryllium		
14.3.8	K-edge filter		

14.3.9	Molybdenum Mo tube / Mo filter: 0.030mm Or Rhodium Mo tube / Rh filter: 0.025mm		
14.3.10	Rhodium W tube / Rh filter: 0.050mm		
14.3.11	Filter selection method must be automatic and manual		
14.3.12	Tube light beam intensity must be at least 160 (LUX)		
14.3.13	Tube heat Storage must at least be HU: 2 430 000 J: 1 800 000		
14.3.14	Fan Speed controlled in tube housing via temperature sensor must be provided.		
14.4	COLLIMATOR		
14.4.1	Collimation should allow both manual and automatic functions.		
14.4.2	Automatic collimation adjustment is required when compression paddles are changed		
14.4.3	X-Ray field collimation for 18x24, 24x29 ,15x15 10x10cm and 5x10cm views to be included		
14.4.4	Collimation for Tomosynthesis must be included at 18 x 29cm		
14.5	C-ARM ASSEMBLY (Basic unit)		
14.5.1	The System must incorporate a Biopsy Ready C-arm.		
14.5.2	The system must provide indented hand spaces on the side of the gantry for natural positioning of the patient hand holds		
14.5.3	The C-arm must have a Tomosynthesis Face Shield for optimum safety to the patient during Tomosynthesis and must be removable and retractable.		

14.5.4	Range of breast platform vertical movement (from floor) must be at least from 69cm to 150cm motorized.		
14.5.5	A Streamlined Tube head and SID of 65cm and above must be offered to provide more workspace during interventional procedures		
14.5.6	Method of angulations must be motorised from +180° to -180°.		
14.5.7	Angle and SID must be displayed on the Gantry and the C-arm Head as well as on the Acquisition station		
14.5.8	Compression thickness and compression force information must be displayed on both sides of the Compression device and on the Acquisition Station.		
14.5.9	Automatic release of compression after exposure must be supplied.		
14.5.10	Emergency release of compression during power failure must be available or during Exposure abortion or failure.		
14.5.11	C-arm rotation indents must be pre-programmable at any angle for up to four indents.		
14.5.12	The C-arm should have iso -centric rotation for every positioning.		
14.5.13	The iso-centric movements should be motorized (automatic and manual)		
14.5.14	The patient compression device should have automated variable multispeed options		
14.5.15	The C-arm assembly should support wheelchair access		
14.5.16	Isocentric swivel arm system consisting of X-ray tube unit, compression device and object table with integrated detector		
14.6	Flat panel Detector		
14.6.1	Direct capture flat panel technology must be offered.		
14.6.2	Pixel pitch must be minimum 70x70 microns		
14.6.3	Type of detector: Amorphous selenium (a-Se)		

14.6.4	Pixel size: <100 μ m/85 μ m		
14.6.5	Detector must be direct conversion type (x-ray photons directly to electrons), eliminating the need to convert X-rays to Light.		
14.6.6	Detector size should be 24x30cm		
14.6.7	Resolution should be 3328x4096 pixels		
14.6.8	High contrast limiting resolution(1p/mm) must be at least 7 lines per mm		
14.6.9	The detector calibration: once every 3 months automatically		
14.6.10	The end user be able to perform calibration manually		
14.6.11	The chest gap between detector cover and detector plate to be at maximum 4mm		
14.6.12	Image acquisition time to display image on the workstation to be less than 4 seconds.		
14.6.13	Imaging Modes must be Conventional Mammography, Tomosynthesis, Combined Conventional and Tomosynthesis under the same compression in CC and MLO positions.		
14.6.14	A Grid reducing scatter radiation must be offered. ADD		
14.6.15	Grid ratio 5: 1 or better		
14.6.16	Type of grid of drive: oscillating		
14.6.17	A Grid with Auto motorized retraction for Geometric views and Tomosynthesis must be offered		
14.6.18	Linear Response over 400:1 in X-ray exposure or more must be offered.		
14.6.19	Output image bit data must be at least more than 12 bit		
14.6.20	X-ray Exposure level at which image pixels are saturated is not less than 500mR		

14.6.21	The Detector must be powered from its own individual supply and controllers offering the detector on/off times to be managed individually to prolong the detector's lifespan by more than 100%		
14.7	Compression (under basic 1.11-1.15)		
14.7.1	Maximum Manual compression that can be applied must be 300 N		
14.7.2	2 pairs of foot pedals for compression adjustment required as well as vertical C-arm height adjustment.		
14.7.3	Adjustable and displayed compressor force with Pre, Full, Dual compression selectable modes must be available. Pre compression mode from 70 to 134N must be available.		
14.7.4	Full motorized compression from 89 to 178N must be available with a manual override up to 300N		
14.7.5	Motor driven compression paddles for 18x24, 24x30 and 'spot' views to be included.		
14.7.6	The Compression Device must be configurable for Fixed Paddle and Fully Adjustable Self Tilting paddle system conforming to the natural contours of the breast applying equal force from Nipple to Chest Wall.		
14.7.7	Manual and motorised compression movements must be provided.		
	The following Paddles must be provided:		
	· 24x29cm Paddle		
	· 18x24cm Paddle		
	· Small Breast Paddle		
	· Frameless Spot Paddle		
	· 10cm contact Paddle		

	· 10 cm magnification Paddle		
	· 5-10 cm spot contact paddle		
	· 5-10cm spot magnification Paddle		
	· Magnification Platform		
	· 15cm Perforated Localization Paddle		
14.7.8	Compression paddles can be detached with one hand		
14.7.9	Compression paddles with detachable plastic part for easy cleaning and disinfection		
14.7.10	Automatic Motorized paddle Shift must be possible for the next view optimizing workflow and time		
14.7.11	Compression tilt must be standard as well as fully adjustable and user selectable		
14.7.12	Range of movement of the compression device , relative to the breast support platform must be at least 30cm or more		
14.8	Magnification		
14.8.1	Carbon Fibre magnification platform must be provided.		
14.8.2	Area of detector used for magnification must be 18x24 cm		
14.8.3	The size of the magnification compression paddles in cm must be 18x24cm Paddle,10cm x15cm Magnification paddle and 5-10cm spot magnification Paddles.		
14.8.4	Clearance above the magnification device when fitted in cm must be between 18 and 30 cm.		
14.8.5	Compressed breast thickness must be displayed when using magnification on the Gantry and the Acquisition Station.		

14.8.6	AEC function must be activated during magnification.		
14.8.7	Focal spot size used for magnification must be 0.1mm.		
14.8.8	System for magnification views 1.5 and 1.8 times to be included.		
14.9	3D Tomosynthesis		
14.9.1	Total Tomo scan angle of 20 degrees or more to be supplied		
14.9.2	Total 25 Tomo projections or more with exposure at every degree/angle must be possible		
14.9.3	The unit should synthesized Reconstruction of 2D images from 3D tomo		
14.9.4	The image resolution of 85 microns or less for 2D images and 100 micron or less for 3D images must be possible		
14.9.5	The time taken for tomo acquisition should be less than 4 sec		
14.9.6	System should be capable of taking tomo and conventional images under the same compression		
14.9.7	Should be able to do Tomosynthesis in multiple views such as CC, MLO, LM, ML, etc.		
14.9.8	System should be capable of reconstructing the tomo slices in minimum 1mm slice		
14.9.9	Should be able to perform a tomo scan /3D Scan for up to 15cm breast thickness		

14.9.10	Reconstruction algorithms to be included: Analytical and iterative reconstruction for EMPIRE option.		
14.10	Contrast Enhanced Digital Mammography		
14.10.1	Dual-Energy Imaging should be possible: The CEDM option should automatically execute two serial exposures with low and high energy while holding the exposure button.		
14.10.2	The system shall provide automated digital subtraction processing of low and high energy images		
14.10.3	The system shall generate subtracted images (highlighting contrast uptake) and suppress the background breast tissue. After image processing and subtraction of the two images taken with different energies, the mammary gland will be suppressed and only the areas where the contrast agent is concentrated should be enhanced on the subtraction images.		
14.10.4	The system should be capable of fusing tomo images with the Contrast enhanced mammo 2D images		
14.10.5	System should have an option to capture parameters like contrast agent used, speed of injection, timer, etc.		
14.10.6	The system should have contrast guided biopsy facility available as standard		
14.10.7	The contrast enhanced mammography must be supplied with a compatible contrast media power injector.		

14.10.8	The system shall allow synchronised workflow between contrast injection and image acquisition, including programmable delay timing to ensure optimal image quality and reproducibility		
14.11	Radiographer Acquisition Workstation		
14.11.1	The Workstation must be Multi Core processor Based CPU Technology.		
14.11.2	Minimum RAM requirements must be 250 GB		
14.11.3	Data Disk Drive must be 1TB or more		
14.11.4	A 3MP Greyscale Medical Grade LCD Display must be provided on a left or right articulating Arm		
14.11.5	A 1.2MP touch screen colour LCD Display must be provided as a user interface display which is built in the ergonomic station table, optimizing workflow and throughput.		
14.11.6	Quick login and access to the application software must be available.		
14.11.7	A keyboard, Trackball and/or mouse on the workstation must be provided.		
14.11.8	Ergonomically Designed X-ray Exposure switches must be provided, eliminating repetitive motion discomfort. The system must be configurable for one or two lever activation as well as remote X-ray activation.		
14.11.9	DICOM Services must include Worklist, Print, Storage Commitment, Query/Retrieve and Modality Performed Procedure Step.		
14.11.10	Image storage of at least 10000 conventional images and 5000 Tomosynthesis images.		
14.11.11	The Acquisition Station must have its own UPS installed on the Station.		
14.11.12	All Patient details must be ordered via completed, In Progress, Pending, Scheduled and All.		

14.11.13	Advanced search facility must be available for searching the patient database.		
14.11.14	Query/Retrieve functionality must be available from PACS to the Acquisition Station.		
14.11.15	DICOM communications from the radiographer's Acquisition workstation to the Radiologist review Station must be possible.		
14.11.16	A full Quality Control tab must be visible to perform all the required checks as per it's due time including Automatic SNR/CNR, Artefacts, Image Quality, etc.		
14.11.17	The AEC Exposure modes must include Auto Time, Auto kV, Auto Filter and Manual. In addition, a Tissue exposure Control mode must be available		
14.11.18	Implant software must be available to reprocess implant views for optimized image quality should the radiographer be unaware of an implant present.		
14.11.19	A full reject and repeat analysis report must be generated for SAHPRA compliance purposes		
14.11.20	Must allow to view orders and have to be programmed according to each radiographer's preferences.		
14.11.21	Output Groups must be setup to maximize the radiographer's workflow.		
14.11.22	Printing of images must be available to DICOM printers as well as normal Printers		
14.11.22	Importing of Other vendors Images must be possible and must be IHE compliant and importation problem free. Reprocessing of the imported images must be possible.		
14.11.23	The Images must be Grey Scale DICOM Compliant		
14.11.24	The View Order must be configurable and programmable for each Radiographer's preferences.		
14.11.25	A CDRW/DVD Writer must be available for importing or exporting of images		

14.11.26	A USB 2.0 Port must be available for importing or exporting of images and must be visible on the station outside.		
14.11.27	QA and QC Test patterns including AAPM-TG and SMPTE patterns must be available in the application.		
14.11.28	All Image optimization and Radiologists preferences settings must be adjusted via software settings		
14.11.29	Access to past and current images and exchange of annotation must be possible		
14.12	Imaging Capabilities on acquisition Station		
14.12.1	Window width and level with fine adjustment tool must be available.		
14.12.2	The following image processing must be possible on the workstation:		
14.12.2.1	Image display:		
	- Freely selectable screen layout		
	- Windows settings (contrast and brightness setting)		
	- Magnification, stepped and dynamic zoom		
	- Image inversion (black/white)		
14.12.3	Ability to cross reference		
14.12.4	Roaming of image		
14.12.5	Image Mirrored		
14.12.6	Edge enhancement		
14.12.7	ROI		
14.12.8	AEC sensor position displayed on image		
14.12.9	SNR Automatic Calculation		

14.12.10	CNR Automatic Calculation as well as Base Value Programmable		
14.12.11	Patient Information as DICOM Header info must be available		
14.12.12	Zoom and Crosshair		
14.12.13	Annotation:		
	- Draw Oval marking		
	- Measure a distance		
	- Draw freehand		
	- Add a text note		
	- Send a Notice for the current image to the destination selected		
	- Send notices for All images in the opened study to the selected destination		
	Image evaluation:		
	- Fit to Viewport		
	- True Size		
	- View Actual Pixels		
	- Multi image viewing/ Display		
	- Image tiling Advance		
14.12.14	Administration:		
14.12.14.1	The demographic patient data should be retrieved directly from a HIS/RIS system		
14.12.14.2	The demographic patient data can be entered manually or via Worklist.		
14.12.14.3	Retrieval of images from CD, DVD or PACS or USB 2.0 Port		

14.12.15	The workstation should be fully DICOM compatible and include MPPS functionally		
14.12.16	Exposure Index must be visible after the exposure to assess the Index for the Image		
14.12.17	Tomosynthesis Projections must be displayed on the workstation		
14.12.18	Tomosynthesis Construction images must be displayed on the Workstation Display and must be scrollable and with Cine Mode as well.		
14.12.19	The possibility to add a view or a whole procedure must be available on the Workstation.		
14.13	RADIOLOGIST'S REPORTING STATION		
14.13.1	Two High Contrasts 21.3 Inch, 5 Mega Pixel monitors must be provided		
14.13.2	Monitor size to be at least 422mmX 337mm		
14.13.3	Monitors must have sensors installed with Built in auto calibration and QA self - diagnosis and report writing of QA/QC diagnostics.		
14.13.4	Monitor resolution to be 2048 x 2560		
14.13.5	User interface to be by mouse and keyboard.		
14.13.6	Displayed image bit depth must be 10 bits.		
14.13.7	Removable archive media must be CD/DVD and USB 2.0		
14.13.8	A PC with Data Drive, Application Drive and an Operating System Drive to be offered in RAID1 for optimal protection of Patient Data.		
14.13.9	Storage Space to be a minimum of 4 TB		
14.13.10	PC must be Windows based system with High end Dual Quad Processor at minimum 32 GB RAM. Latest Windows, 64 Bit Operating System		
14.13.11	A UPS must be provided for the Workstation		

14.13.12	The Reviewing Software must be dedicated mammography Based Image review Software customized for radiologist use, optimizing Workflow and ease of use.		
14.13.13	DICOM services to include Print, Storage, Query /Retrieve/Auto Fetching of Priors from PACS and media export/import		
14.13.14	User preferences for scrolling mode, cine speed, default slab thickness and default initial slice must be available for Tomosynthesis reviewing		
14.13.15	Display initial hanging snapshot for a four-view Tomo study in less than 2 seconds must be possible		
14.13.16	Registration of, and instant toggle between 2D and 3D images		
14.13.17	Automatic scrolling through a limited range of slices must be possible		
14.13.18	Generate Tomosynthesis Movies as .AVI files for presentation and possible to export movies		
14.13.19	Annotate or tag reconstructed slices and store to PACS as a GSPS or DICOM Secondary Capture Image		
14.13.20	Tag reconstructed slices to save as TIFF images for presentation and printing		
14.13.21	Efficient review with personalised report flows for any clinical situation per Radiologist must be provided.		
14.13.22	Single click navigation through each programmed step must be possible		
14.13.23	Intelligent roaming through images must be possible and be programmable for each Radiologists Preferences		
14.13.24	Automatic step-through full image resolution of breast quadrants		
14.13.25	Automatic retrieval (Auto Fetching) of prior studies from PACS upon receipt of current images must be offered.		
14.13.26	Manually or automatically merge patient cases if patient presents with different ID and date of Birth combination must be offered.		

14.13.27	Receive and analyse images from remote sites and mobile units through an existing PACS or SecureXchange product must be possible.		
14.13.28	Display of standard mammography images for all FFDM vendors as well as CR mammography, MRI mammography and Ultrasound MG must be possible.		
14.13.29	Correct comparisons of current and prior's images must be possible in one frame		
14.13.30	Clarified display of CAD marks and information on 2D must be possible		
14.13.31	Consistent Patient, study and image information labelling to be displayed		
14.13.32	Digital Communication channel between the radiologist and the Radiographer, independent of PACS must be possible.		
14.13.33	Exchange markings, annotations, comments, queries and instruction must be possible and must be able to save to PACS.		
14.14	COMPUTER AIDED DIAGNOSTICS PC AND SOFTWARE		
14.14.1	CAD PC with 2.6GHz Processor or more. 32 GB RAM or More, HDD space of 4 TB or more must be offered		
14.14.2	CD RW/DVD Drive with 2 Ethernet ports to be offered		
14.14.3	CAD must support up to 4 licensed digital ports		
14.14.4	CAD Software using sophisticated algorithms, searches digital mammograms for potential micro calcifications and masses- characteristics commonly associated with breast cancer to be offered		
14.14.5	The Algorithms must also incorporate anatomic correlation technology where this technology correspond findings in the contra lateral breast and different views of the breast.		
14.14.6	CAD must support outputs to PACS or DICOM Workstations		
14.14.7	Throughput of CAD cases must be 40-60 per hour/nominal		

14.14.8	CAD Display able to be archived to PACS		
14.14.9	Additional CAD specifics with Calcifications and Masses.		
14.14.10	CAD specificity and sensitivity to be programmed as per Radiologist's preferences.		
14.14.11	CAD overlay markers to be visible on Images when requested.		
14.15	UPRIGHT STEREO-TACTIC BIOPSY SYSTEM		
14.15.1	Weight of the Biopsy system shall be less than 7kg		
14.15.2	Ability to do stereo Biopsy in any angle of the c-arm rotation		
14.15.3	The Biopsy window should be a minimum of 6 x 7cm.		
14.15.4	Auxiliary paddle should be included to offer a solution to biopsy in the auxiliary region		
14.15.5	Stereo pair images shall be acquired automatically without requiring the radiographer to move the x-ray tube.		
14.15.6	Large SID, equal to or larger than 68cm, to allow for easy installation of the biopsy system.		
14.15.7	Detachable control unit		
14.15.8	Touch Screen color display on the control unit must be provided.		
14.15.9	Biopsy system shall support Tomo guided biopsy procedures.		
14.15.10	Transparent Biopsy compression paddles (5cm x 5cm axillary biopsy paddle, 5cm x 5cm standard biopsy paddle and a 6cm x 7cm standard biopsy paddle):		
	• Accuracy XYZ		
	• X: $\leq 1.0\text{mm}$		
	• Y: $\leq 1.0\text{mm}$		

	• Z: $\leq 1.0\text{mm}$		
	• Needle settings in increments of 0.1mm		
	• Needle positioning: automatic		
	• Motorization in X, Y and Z		
	• Usable needle lengths: 70-190mm		
	• Usable needle diameters: 22-28G		
	• Biopsy cut-out of compression plate (vertical needle guide): 52mm x 42mm		
14.16	OPERATOR CONSOLE		
14.16.1	Biopsy user interface and targeting shall be integrated on the mammography system acquisition workstation.		
14.16.2	Target should be possible on both stereos, or on one stereo and one scout.		
14.16.3	Ability to acquire a scout with 18x24cm collimation, to be able to view tissue around biopsy window.		
14.16.4	Possibility to target up to 6 targets.		
14.16.5	Automatic placement of target on the third image after targeting on two images.		
14.16.6	Possibility to program different biopsy devices and needles.		
14.16.7	Automatic calculation of safety margins versus the detector and the paddle according to the needle used.		
14.16.8	DICOM 3.0 Print/Storage/Storage commitment and worklist approved.		
14.16.9	X-Ray generation and detector control functions integrated in a single operator console and controlled through the graphical user interface.		
14.16.10	Control device capable of tracking actual number of exposures by display icon versions of acquired images.		

14.16.11	Grayscale monitor for previewing images, 3MP minimum.		
14.16.12	Preview and image info (KV, mas, dose, compression thickness, force) Available after every exposure.		
14.16.13	Ability to add comments to an image		
14.16.14	Ability to edit views.		
14.17	VACUUM ASSISTED BREAST BIOPSY AND EXCISION SYSTEM		
14.17.1	The Vacuum Assisted Biopsy System should be fully compatible to Stereotactic, Ultrasound, MRI biopsy system		
14.17.2	The VAAB should be compatible even in 3T MR.		
14.17.3	The VABB should be faster and take only 4 – 5 seconds for excision of per specimen		
14.17.4	The VAAB should offer inguine incision and single insertion device for multiple tissue sampling.		
14.18	MAMMOGRAPHY BIOPSY CHAIR		
14.18.1	Mammography chair with low, removable arm rest and adjustable height, allowing easy access to the unit on offer, must be included.		
14.18.2	Must include a Foot pedal controlled hydraulic pump		
14.18.3	Must have four caster lock system to lock the wheels.		
14.18.4	300lb Maximum patient weight		
14.18.5	Upright Seated position: 25" W x 38.5"H		
14.18.6	Fully reclined: 25" W x 73"L		
14.18.7	Overall, Height: 29" raises to 36.75"		
14.18.8	Seat Back: 32.5" above the seat		

14.19	RADIATION PROTECTION		
14.19.1	The system must have the ability to display Exposure Indicator values (EI/ S-values), immediately after exposure.		
14.19.2	X-ray Warning Notice for display at the X-ray Room entrance.		
14.19.3	An advanced Retake / Reject / Repeat analysis software package that includes analysis as well as calculations in percentages, must be provided for applicable systems.		
14.19.4	The applicable systems must have an integrated Dose Area Product (DAP) meter that includes skin dose equivalent measurement functions.		
14.19.5	A radiation report must be automatically generated and transferable via DICOM.		
14.19.6	The unit should be SAHPRA approved product		
14.19.7	Acceptance testing must be performed as part of the installation.		
14.19.8	Lead Glass window to be installed as per room requirement		
14.19.9	Free-standing radiation shield: 46kg		
14.19.10	Control desk with radiation shield: 124kg		
14.19.11	Safety aspects of radiation dosage leakage should be spelt out		
14.19.12	QA TOOLS & Phantoms to be supplied		
14.19.13	Radiation protection Lead equivalence of the radiation protection screen must be 0.5m Pb and must be convex, covering the radiographer from various angles against scatter radiation.		
14.19.14	Patient Conventional face shield to be included.		
14.19.15	Interlock for premature release of the X-ray switch must be available		
14.19.16	Interlock preventing an exposure whenever the filter or light field is not positioned correctly must be possible.		

14.19.17	2 x lead skirt shield (0.5 mm pb) to be provided		
14.19.18	2 X full lead apron (0.25 mm pb) to be provided 1X Thyroid (0.5 MM PB)		
14.19.19	2x lead hangers		
14.20	UPS (UNINTERRUPTED POWER SUPPLY).		
14.20.1	The unit must be supplied with the UPS system with a minimum backup capacity of 30 minutes at full operational load to ensure uninterrupted operation of mammo unit, workstations and reporting station,		
14.20.2	UPS type must be Online Double Conversion (VFI), 0 ms transfer time.		
14.20.3	Capacity must be: 5–10 kVA (≥ 4 kW output)		
14.20.4	Input : 220–240V		
14.20.5	Output: 230V		
14.20.6	Battery Backup: Minimum 30 minutes at full load		
14.20.6	Battery system: Sealed Lead Acid or Lithium-ion, expandable		
14.20.6	Protection: Over/under voltage, surge, short circuit protection		
14.21	CD/ DVD BURNER		
14.21.1	The system must be External or internal CD/DVD writer		
14.21.2	System Compatibility: Compatible with PACS/RIS systems		
14.21.3	Supported Media Formats: CD-R, CD-RW, DVD-R, DVD+R, DVD-RW		
14.21.4	Writing speed: Writing Speed: CD $\geq 24x$; DVD $\geq 8x$		
14.21.5	Interface: USB 3.0 or higher		
14.21.6	Power Supply: USB powered or external adapter		

14.21.7	Software Compatibility: Must support DICOM burning with embedded viewer		
14.21.8	Operating System: Compatible with Windows 10/11		
14.21.9	Data Integrity: Burn verification and error checking required		
14.21.10	Buffer Memory: ≥ 2 MB with buffer underrun protection		
14.21.11	Security Features: Password protection/encryption		
14.21.12	Disc Labelling: Labelling/printing capability		
14.21.13	Installation: Plug-and-play functionality		
14.21.14	Standard Accessories		
14.21.15	Dual head Pressure Injector for contrast and 200 Compatible syringes & connecting lines		
14.21.16	Motorized Biopsy Chair		
14.21.17	ALL QA phantoms must be supplied		
14.21.18	The bidder shall provide a dedicated UPS system with a minimum backup capacity of 30 minutes at full operational load to ensure uninterrupted operation of mammo unit, workstations and reporting station,		
14.21.19	Bidder must include any air conditioning that is considered necessary for optimal functioning of the unit.		
14.21.20	Any such air conditioning must be covered by the guarantee bided for on the unit and servicing of the air conditioning units for the guarantee period and must be included in the bid price.		
14.21.21	The air conditioner must also be included in the maintenance plan.		
14.21.22	The CD burner must be included as a standard optional.		
14.21.23	Room renovation including the following:		

14.21.24	Storage cupboards- GENERAL		
14.21.25	A corner change room with a bench and mirror		
14.21.26	Storage cupboards- Specialised for compression padds and phatom		
14.21.27	Installing dimmable lighting		
14.21.28	Air conditioner		