LIMPOPO
PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA

DEPARTMENT OF
HEALTH

SBD 1

PART A INVITATION TO BID

YOU ARE HEREBY INVITED TO BID FOR REQUIREMENTS OF THE DEPARTMENT OF HEALTH					
BID NUMBER:	**HEDP015/24/25**	CLOSING DATE:	**02 JUNE 2025**	CLOSING	**11:00**
DESCRIPTION	**SUPPLY, DELIVERY, INSTALLATION, COMMISSIONING, AND MAINTENANCE OF RADIOLOGY PICTURE ARCHIVING COMMUNICATION SYSTEM (PACS), AND RADIOLOGY INFORMATION SYSTEM (RIS), TO ALL HEALTH INSTITUTIONS (TERTIARY, REGIONAL, AND DISTRICT HOSPITALS) OF THE LIMPOPO DEPARTMENT OF HEALTH FOR 36 MONTHS.**				

BID RESPONSE DOCUMENTS MAY BE DEPOSITED IN THE BID BOX SITUATED AT

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	**Ms. Simango T.O / Ms. Motene N.M**	CONTACT PERSON	**Dr. Hadzhi R / Ms.Stander S**
TELEPHONE NUMBER	**(015) 293 6352 / (015) 293 6350** **(071) 861 9937 / (063) 692 9368**	TELEPHONE NUMBER	**(015) 287 5000 (084) 438 3884** **015) 293 6650 / (082)772 2442**
E-MAIL ADDRESS	**Tintswalo.simango@dhsd.limpopo.gov.za** **Ntlama.Maphahlele@dhsd.limpopo.gov.za**	E-MAIL ADDRESS	**Rendani.hadzhi @dhsd.limpopo.gov.za** **Shamila.latif@dhsd.limpopo.gov.za**

SUPPLIER INFORMATION					
NAME OF BIDDER					
POSTAL ADDRESS					
STREET ADDRESS					
CELLPHONE					
E-MAIL ADDRESS					
VAT REGISTRATION					
SUPPLIER COMPLIANCE STATUS	TAX COMPLIANCE SYSTEM PIN:		**OR**	CENTRAL SUPPLIER DATABASE	MAAA
ARE YOU THE ACCREDITED REPRESENTATIVE IN SOUTH AFRICA	Yes ☐ No ☐ [IF YES ENCLOSE PROOF]		ARE YOU A FOREIGN BASED SUPPLIER FOR THE GOODS /SERVICES OFFERED?		Yes ☐ No ☐ [IF YES, ANSWER THE QUESTIONNAIRE BELOW]

QUESTIONNAIRE TO BIDDING FOREIGN SUPPLIERS

IS THE ENTITY A RESIDENT OF THE REPUBLIC OF SOUTH AFRICA (RSA)?	YES ☐	NO ☐
DOES THE ENTITY HAVE A BRANCH IN THE RSA?	YES ☐	NO ☐
DOES THE ENTITY HAVE A PERMANENT ESTABLISHMENT IN THE RSA?	YES ☐	NO ☐
DOES THE ENTITY HAVE ANY SOURCE OF INCOME IN THE RSA?	YES ☐	NO ☐
IS THE ENTITY LIABLE IN THE RSA FOR ANY FORM OF TAXATION?	YES ☐	NO ☐

IF THE ANSWER IS "NO" TO ALL OF THE ABOVE, THEN IT IS NOT A REQUIREMENT TO REGISTER FOR A TAX COMPLIANCE STATUS SYSTEM PIN CODE FROM THE SOUTH AFRICAN REVENUE SERVICE (SARS) AND IF 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 PIN IS AVAILABLE BUT THE BIDDER IS REGISTERED ON THE CENTRAL SUPPLIER DATABASE (CSD), A CSD NUMBER MUST BE PROVIDED.
2.7 NO BIDS WILL BE CONSIDERED FROM PERSONS IN THE SERVICE OF THE STATE, COMPANIES WITH DIRECTORS WHO ARE PERSONS IN THE SERVICE OF THE STATE, OR CLOSE CORPORATIONS WITH MEMBERS PERSONS IN THE SERVICE OF THE STATE."

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: ……

DATE:……

SBD 3.2

PRICING SCHEDULE – NON-FIRM PRICES (SERVICES)

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 **180** 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:

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

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

1. PURPOSE OF THE FORM

SBD 4

BIDDER'S DISCLOSURE

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

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

2. Bidder's declaration

2.1 Is the bidder, or any of its directors / trustees / shareholders / members / partners or any person having a controlling interest[1] in the enterprise, employed by the state? **YES/NO**

2.1.1 If so, furnish particulars of the names, individual identity numbers, and, if applicable, state employee numbers of sole proprietor/ directors / trustees / shareholders / members/ partners or any person having a controlling interest in the enterprise, in table below.

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:

……

……

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

3 DECLARATION

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

3.1 I have read and 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 consortium 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.

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

(e) forward the matter for criminal prosecution, if deemed necessary.

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

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

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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	**90**
SPECIFIC GOALS	**10**
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:

80/20 **or** **90/10**

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

Where

Ps = Points scored for price of tender under consideration

Pt = Price of tender under consideration

Pmin = Price of lowest acceptable tender

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:

80/20 **or** **90/10**

$$Ps = 80\left(1 + \frac{Pt - P\,max}{P\,max}\right) \quad \text{or} \quad Ps = 90\left(1 + \frac{Pt - P\,max}{Pmax}\right)$$

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 (90/10) system) (To be completed by the organ of state)	Number of points claimed (90/10) system) (To be completed by the tenderer)
Enterprise located in Limpopo Province	**3/10**	
SMMEs	**2/10**	
Woman	**2/10**	
Disability Persons	**1/10**	
Youth	**2/10**	

15.1. 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:

15.1.1. **People living with Disability:** Signed-letter by a Medical Practitioner(Doctor's letter) indicating whether the disability is temporary or permanent. Affidavit detailing the above will also be acceptable.

15.1.2. **Women:** Central Supplier Database (CSD report) or MAAA number.

15.1.3. **Youth:** Central Supplier Database (CSD report) or MAAA number.

15.1.4. **Enterprise Located in Limpopo:** Proof of residence of where the enterprise is located.

15.1.5. **SMMEs:** Valid original sworn affidavit.

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

(iii) 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

17.Prices
18.Contract amendments
19.Assignment
20.Subcontractors
21.Delays in the supplier’s performance
22.Penalties
23.Termination for default
24.Dumping and countervailing duties

25.Force Majeure
26.Termination for insolvency
27.Settlement of disputes
28.Limitation of liability
29.Governing language
30.Applicable law
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 non-refundable 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. 9.2 The packing, marking, and documentation within and outside the packages shall comply strictly with such special requirements as shall be expressly provided for in the contract, including additional requirements, if any, specified in SCC, and in any subsequent instructions ordered by the purchaser.
10. Delivery and documents	10.1 Delivery of the goods shall be made by the supplier in accordance with the terms specified in the contract. The details of shipping and/or other documents to be furnished by the supplier are specified in SCC. 10.2 Documents to be submitted by the supplier are specified in SCC.
11. Insurance	11.1 The goods supplied under the contract shall be fully insured in a freely convertible currency against loss or damage incidental to manufacture or acquisition, transportation, storage and delivery in the manner specified in the SCC.
12. Transportation	12.1 Should a price other than an all-inclusive delivered price be required, this shall be specified in the SCC.

13. Incidental Services	13.1 The supplier may be required to provide any or all of the following services, including additional services, if any, specified in SCC: (a) performance or supervision of on-site assembly and/or commissioning of the supplied goods; (b) furnishing of tools required for assembly and/or maintenance of the supplied goods; (c) furnishing of a detailed operations and maintenance manual for each appropriate unit of the supplied goods; (d) performance or supervision or maintenance and/or repair of the supplied goods, for a period of time agreed by the parties, provided that this service shall not relieve the supplier of any warranty obligations under this contract; and (e) training of the purchaser's personnel, at the supplier's plant and/or on-site, in assembly, start-up, operation, maintenance, and/or repair of the supplied goods. 13.2 Prices charged by the supplier for incidental services, if not included in the contract price for the goods, shall be agreed upon in advance by the parties and shall not exceed the prevailing rates charged to other parties by the supplier for similar services.
14. Spare parts	14.1 As specified in SCC, the supplier may be required to provide any or all of the following materials, notifications, and information pertaining to spare parts manufactured or distributed by the supplier: (a) such spare parts as the purchaser may elect to purchase from the supplier, provided that this election shall not relieve the supplier of any warranty obligations under the contract; and (b) in the event of termination of production of the spare parts: (i) Advance notification to the purchaser of the pending termination, in sufficient time to permit the purchaser to procure needed requirements; and (ii) Following such termination, furnishing at no cost to the purchaser, the blueprints, drawings, and specifications of the spare parts, if requested.
15. Warranty	15.1 The supplier warrants that the goods supplied under the contract are new, unused, of the most recent or current models and that, they incorporate all recent improvements in design and materials unless provided otherwise in the contract. The supplier further warrants that all goods supplied under this contract shall have no defect, arising from design, materials, or workmanship (except when the design and/or material is required by the purchaser's specifications) or from any act or omission of the supplier, that may develop under normal use of the supplied goods in the conditions prevailing in the country of final destination. 15.2 This warranty shall remain valid for twelve (12) months after the goods, or any portion thereof as the case may be, have been delivered to and accepted at the final destination indicated in the contract, or for eighteen (18) months after the date of shipment from the port or place of loading in the source country, whichever period concludes earlier, unless specified otherwise in SCC. 15.3 The purchaser shall promptly notify the supplier in writing of any claims arising under this warranty. 15.4 Upon receipt of such notice, the supplier shall, within the period specified in SCC and with all reasonable speed, repair or replace the defective goods or parts thereof, without costs to the purchaser.

	15.5 If the supplier, having been notified, fails to remedy the defect(s) within the period specified in SCC, the purchaser may proceed to take such remedial action as may be necessary, at the supplier's risk and expense and without prejudice to any other rights which the purchaser may have against the supplier under the contract.
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. 23.2In 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. 23.3Where 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. 23.4If 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 14 days the purchaser may regard the intended penalty as not objected against and impose it on the supplier. 23.5Any 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 party 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. 3.6 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 anti-dumping or countervailing right is abolished, or where the amount of such provisional payment or any such right is reduced, any such favourable difference shall on demand be paid forthwith by the contractor to the State or the State may deduct such amounts from moneys (if any) which may otherwise be due to the contractor in regard to supplies or services which he delivered or rendered, or is to deliver or render in terms of the contract or any other contract or any other amount which may be due to him.
25. Force Majeure	25.1 Notwithstanding the provisions of GCC Clauses 22 and 23, the supplier shall not be liable for forfeiture of its performance security, damages, or termination for default if and to the extent that his delay in performance or other failure to perform his obligations under the contract is the result of an event of force majeure. 25.2 If a force majeure situation arises, the supplier shall promptly notify the purchaser in writing of such condition and the cause thereof. Unless otherwise directed by the purchaser in writing, the supplier shall continue to perform its obligations under the contract as far as is reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the force majeure event.
26. Termination for insolvency	26.1 The purchaser may at any time terminate the contract by giving written notice to the supplier if the supplier becomes bankrupt or otherwise insolvent. In this event, termination will be without compensation to the supplier, provided that such termination will not prejudice or affect any right of action or remedy which has accrued or will accrue thereafter to the purchaser.
27. Settlement of Disputes	27.1 If any dispute or difference of any kind whatsoever arises between the purchaser and the supplier in connection with or arising out of the contract, the parties shall make every effort to resolve amicably such dispute or difference by mutual consultation. 27.2 If, after thirty (30) days, the parties have failed to resolve their dispute or difference by such mutual consultation, then either the purchaser or the supplier may give notice to the other party of his intention to commence with mediation. No mediation in respect of this matter may be commenced unless such notice is given to the other party. 27.3 Should it not be possible to settle a dispute by means of mediation, it may be settled in a South African court of law.

	27.4 Mediation proceedings shall be conducted in accordance with the rules of procedure specified in the SCC. 27.5 Notwithstanding any reference to mediation and/or court proceedings herein, (a) the parties shall continue to perform their respective obligations under the contract unless they otherwise agree; and (b) the purchaser shall pay the supplier any monies due the supplier.
28. Limitation of Liability	28.1 Except in cases of criminal negligence or willful misconduct, and in the case of infringement pursuant to Clause 6; (a) the supplier shall not be liable to the purchaser, whether in contract, tort, or otherwise, for any indirect or consequential loss or damage, loss of use, loss of production, or loss of profits or interest costs, provided that this exclusion shall not apply to any obligation of the supplier to pay penalties and/or damages to the purchaser; and (b) the aggregate liability of the supplier to the purchaser, whether under the contract, in tort or otherwise, shall not exceed the total contract price, provided that this limitation shall not apply to the cost of repairing or replacing defective equipment
29. Governing Language	29.1 The contract shall be written in English. All correspondence and other documents pertaining to the contract that is exchanged by the parties shall also be written in English.
30. Applicable Law	30.1 The contract shall be interpreted in accordance with South African laws, unless otherwise specified in SCC.
31. Notices	31.1 Every written acceptance of a bid shall be posted to the supplier concerned by registered or certified mail and any other notice to him shall be posted by ordinary mail to the address furnished in his bid or to the address notified later by him in writing and such posting shall be deemed to be proper service of such notice. 31.2 The time mentioned in the contract documents for performing any act after such aforesaid notice has been given, shall be reckoned from the date of posting of such notice.
32. Taxes and Duties	32.1 A foreign supplier shall be entirely responsible for all taxes, stamp duties, license fees, and other such levies imposed outside the purchaser's country. 32.2 A local supplier shall be entirely responsible for all taxes, duties, license fees, etc., incurred until delivery of the contracted goods to the purchaser. 32.3 No contract shall be concluded with any bidder whose tax matters are not in order. Prior to the award of a bid the Department must be in possession of a tax clearance certificate, submitted by the bidder. This certificate must be an original issued by the South African Revenue Services.
33. National Industrial Participation 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).

	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. 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

DECLARATION OF COMPLIANCE GENERAL CONDITIONS OF CONTRACT

The bidder declares to accept all the Conditions as outlined in the scope of work 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 SCOPE OF WORK AS SPECIFIED IN THE ABOVE WILL RESULT IN DISQUALIFICATION OF YOUR BID. Signature……..Name (in print)……..…….. Date……..		

LIMPOPO
PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA

DEPARTMENT OF HEALTH

TERMS OF REFFERENCE

HEDP015/24/25 - SUPPLY, DELIVERY, INSTALLATION, COMMISSIONING, AND MAINTENANCE OF RADIOLOGY PICTURE ARCHIVING COMMUNICATION SYSTEM (PACS), AND RADIOLOGY INFORMATION SYSTEM (RIS), TO ALL HEALTH INSTITUTIONS (TERTIARY, REGIONAL, AND DISTRICT HOSPITALS) OF THE LIMPOPO DEPARTMENT OF HEALTH FOR 36 MONTHS.

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1. PURPOSE

The purpose of this request for bid (RFB) is to invite companies with a solid track experience in the supply, delivery, installation, commissioning and maintenance of Picture Archiving Communication System (PACS) and radiology information system (RIS) for the Tertiary Hospitals, Regional Hospitals and District hospitals in the Limpopo Department of Health.

2. BACKGROUND

The department needs the PACS and RIS in order to ensure the effective and efficient medical digital imaging and reporting needs at its hospitals.

3. SCOPE OF WORK

3.1 The successful bidder/s is/are expected to supply, deliver, install, commission and maintain the PACS and RIS specified under **"PRICING"** herein below for a period of thirty six (36) months as and when the need arises. The services may be rendered through outright purchase during the period of the contract.

3.2 The successful bidder will be expected to enter into a maintenance contract for the provided solution for a period of 7 years.

3.3 The supplied solotion must come with 24 months warranty.

3.4 The bidder must provide the costing for extra modalities.

3.5 The bidder should provide dual connectivity (WiFi and fibre) that operates completely independently of SITA infrastructure.

3.2 The system required will be installed within the following category of hospitals;

- 2 x Tertiary hospitals
- 5 x Regional hospitals
- 30 x District hospitals
- 1 x Specialized hospital

3.3 The bid proposal must cover all the listed hospitals within the province.

4. KEY ASPECTS OF THE BID PROPOSAL

Bidders must take note of the following fundamental aspects before submission of their bid proposals:

4.1 The successful bidder will be bound by Government Legislative Framework i.e. the General Conditions of Contract and the Special Conditions of Contract (SCC), which will form part of the signed contract with the successful bidder. However, LDoH reserves the right to include or waive any condition in the signed contract.

4.2 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. SLA which is regarded as a performance agreement by the LDoH shall be

negotiated with the end-user and signed off 30 days after signing of the contract with the Accounting Officer or his/her delegate.

4.3 LDoH reserves the right to –

4.3.1 Negotiate the conditions, or

4.3.2 Automatically disqualify a bidder for not accepting these conditions

4.4. Bidders must submit their bids on the stipulated closing date and time. Late bids will not be accepted.

4.5. The SLA which is regarded as a performance agreement by the LDoH shall be negotiated with the end-user and signed off 30 days after signing of the contract with the Accounting Officer.

4.6. In order to evaluate and adjudicate bid effectively, it is imperative that bidders submit responsive bids. To ensure a responsive bid it is imperative to comply with all conditions pertaining to terms of reference.

4.7. 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.

4.8. 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 bid and may further exercise any of the remedies available to it.

4.9. Each bid, once submitted, constitutes a binding and irrevocable offer to provide the services on the terms set out in the bid, which offer cannot be amended after its date of submission except for arithmetic errors.

4.10. 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.

4.11. The department may, for any reason and at any time during the selection process, request any bidder to supply further information and/or documentation.

5. BID AWARD AND CONTRACT CONDITIONS.

5.1. The Shortlisted bidders shall be subjected to Supply Chain Management screening processes and oly successful bidders who are cleared during screening shall be considered for appointment.

5.2. The department is not obliged to accept or consider any bid in full or in part or any responses or submissions in relation thereto and may reject any bid.

5.3. The award of the tender may be subjected to price negotiation with the preferred bidders.

5.4. The department may, on reasonable and justifiable grounds, award the bid to a company that did not score the highest number of points.

5.5. The contract period will be in terms of the service level agreement.

5.6. Bidders shall be notified about the decision of the Department by means of publication in the Provincial Bid Bulletin or other means.

5.7. Awarding of the bid shall be subject to the Service Provider(s) acceptance of National Treasury General Conditions of Contract (GCC).

5.8. Use of LDoH resources (human and material) is prohibited during the implementation of this bid.

6. THE BID ALLOCATION STRATEGY

6.1. The department reserves the right to award the bid to one or more service providers, wholly or in part or not to award:

6.1.1. The bid shall be awarded based on highest points for price and specific goals.

6.1.2. The department may, on reasonable and justifiable grounds, award the bid to company that did not score the highest number of points.

6.2. In the event a bidder is awarded and rejects the awards, the award shall be taken back to the winning bidder after exhausting the allocation of all preferred bidders.

7. PRICING AND AWARDING CONDITIONS

7.1. The department shall conduct market research to determine if preferred bidder did not underquote or overcharged their offer.

7.2. Overcharged prices by the preferred bidder shall be subjected to price negotiation or a price offer by the department (as a process to kickstart the negotiation).

7.3. Underquoted prices shall be subjected to price justification (preferred bidder shall be required to justify their price failure which will render their bids unacceptable/disqualified).

7.4. All prices charged must be inclusive of business overheads, applicable taxes, and VAT. **NB: Successful bidders who are not registered for VAT at the time of bidding must register as required by law within 30 days after award.**

7.5. Bidders must quote for all items under this bid and those who do not quote for all items shall be unaccepted/disqualified.

7.6. **Arithmetic errors on the Pricing Schedule will be rectified on the following basis**:

7.6.1. If there is a discrepancy between the unit price and the total price that is obtained by multiplying and/or adding the unit price and quantity, the unit price shall prevail. If the bidder does not accept the correction of errors, its bid shall be disqualified.

7.6.2. Bids that fail to conform to the conditions as set out under this pricing structure and schedule shall be disqualified.

7.6.3. Bidders to take note that this bid shall be valid for the period of **180 days** and the validity period may be extended if necessary.

8. PRICE ADJUSTMENTS (CONSUMER PRICE INDEX)

Bidders must take note that prices shall be firm for the first twelve month of the contract, thereafter a CPI price adjustment shall be applicable annually if necessary.

9. 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 WILL RESULT IN DISQUALIFICATION OF YOUR BID. Signature……Name (in print) ……..…… Date……		

10. EVALUATION CRITERIA

The bid shall be evaluated in three **(3)** phases as follows

10.1. Administrative requirement
10.2. Technical specification compliance
10.3. Price and specific goals

10.1. PHASE 1: ADMINISTRATION COMPLIANCE

10.1.1. 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 comply in this regard.

10.1.2. 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:

10.1.2.1. Rejects the bid in question and not evaluate it at all.

10.1.2.2. Give 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. The evaluation team shall agree on the timeframe to be granted for bidders to furnish the information required. The maximum number of days shall not exceed 7 days.

10.1.2.3. Permit the bid to be evaluated, subject to the outstanding information and/or documentation being submitted prior to the award of the bid.

10.1.3. The LDoH may waive any minor informality or non-conformity or irregularity in a bid which does not constitute a material deviation, provided such waiver does not prejudice any bidder.

10.1.4. Verification of experience and other critical documentation may be done**.**

10.1.5. Bidders shall take note of the following guidelines:

10.1.5.1. **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 shall be disqualified. 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 advantage to the bidder). This shall be on the discretion of the evaluation committee.

TABLE 1: ADMINISTRATIVE BIDDING REQUIREMENTS

FOL	ADMINISTRATIVE BIDDING REQUIREMENTS	BIDDER'S RESPONSE (Comply/ Not Comply / Not Applicable)
10.1.6.	**Submission of the following standard bidding documents (fully completed and signed)**	
I.	**SBD 1:** Invitation to Bid**,**	
II.	**SBD 3.2:** Non-Firm Price	
III.	**SBD 4**: Bidders disclosure NB. All companies that are under the name of the director/shareholder 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	
10.1.7.	Attachment of Central Supplier Database Registration Report (CSD). **NB: bidders may attach <u>CSD REGISTRATION REPORT</u> or MAAA number.**	
10.1.8.	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(in case of consortium or Joint Venture or partnership or signed subcontractor agreement.	
II.	✓ Every member of the Consortium or Joint Venture must be registered on the Central Supplier Database ,Consortium or Joint Venture may submit consolidated CSD Report/ Proof of CSD Registration or MAAA number. ✓ NB:Subcontractors may attach CSD may submit consolidated CSD Report/ Proof of CSD Registration or MAAA number.	
10.1.9.	Letter of appointment by consortium/joint venture parties for a representative to sign the bid documents.	

FOL	ADMINISTRATIVE BIDDING REQUIREMENTS	BIDDER'S RESPONSE (Comply/ Not Comply / Not Applicable)
10.1.10.	**Bid Declarations:** The following declarations must be completed and signed (failure may render the bid invalid) ✓ General Conditions of Contract (GCC) ✓ Special Conditions of Contract (SCC)	
10.1.11.	Attachment of a certified copy of a valid CE Compliance certificate on all equipment offered (Applicable Equipment).	
10.1.12.	Attachment of a certified copy of a valid DICOM Compliance certificate on all equipment offered.(Applicable Equipment)	
10.1.13.	Attachment of the Original Equipment Manufacturer or Original Software Manufacturer license/certificate. In the case of dealer/agent, a valid signed agreement between Original Equipment Manufacturer/Original Software Manufacturer authorising the dealer/agent to utilize the product or solution	
10.1.14.	Sumbission of a completed **Annexure A: Portfolio of current and completed contracts**	

11. PHASE 2 (TWO): TECHNICAL SPECIFICATION COMPLIANCE

11.1. General Requirements of the Specifications:

The bidder must take the following into account: (failure to demonstrate the consideration of these requirements may result in disqualification of the bid):

11.2. Installation and Alterations:

a) The bid price to include delivery and commissioning of the system.

b) Cost for any additional alterations required to convert and refurbish the available space must be stated prior to installation of the system.

c) State delivery time.

d) State installation time.

e) Bidder to investigate if there is suitable access for the provision and commissioning of the solution.

f) Site must be evaluated and all identified pre-installation gaps must be quoted in the total bid price.

g) NB: The bidders must, separate from the total bid price, quote the cost of alterations per square metre for the following, amongst any other.

FOL	DESCRIPTION
1	**Roof**
2	**Ceiling**
3	**Painting**
4	**Cupboards or cabinets**
5	**Shelves**
6	**Walls**
7	**Air conditioning system**
8	**Furniture (high back chairs with back support and foot rest)**

NB: Should the bidder not quote all the building work and alterations that are necessary and required for installation of the PACS, omissions that were not quoted shall be to the cost of the bidder.

11.3. Power Supply

a) Bidder must investigate the present electrical supply thoroughly and if any alterations are required, the bidder must also separately quote power supply requirements.

b) UPS preventing damage as a result of shortcomings or inconsistencies to the power supply must be included in the quoted price.

c) The bidder must certify that they would be responsible, under the terms of the warranty and subsequent service contracts, to meet all costs for damage occurring as a result of any electrical variations.

NB: Should the bidder not quote all the power supply requirements that are necessary and required for installation of the PACS, omissions that were not quoted shall be to the cost of the bidder.

11.4. Warranty

a) Bidders must supply a minimum of twenty-four month warranty against poor workmanship and latent defects and parts. This must be all inclusive and include, amongst others, ALL PARTS, labour, traveling and accommodation.

b) All the hardware supplied should have a minimum of twenty four (24) months warranty period during which any fault will be replaced at no cost to the department.

c) The up-time of the system must be 99,5%, excluding scheduled preventative maintenance and software upgrades, measured on a quarterly basis. The percentage lower than 99,5% will be added to the warranty period.

11.5. Service

a) The bidder should have an established service facility, with qualified and product trained technicians with a minimum of 2 years experience in the servicing of PACS.

b) The bidder should be within 350km radius from Polokwane.

c) The bidder should establish an office within 10km radius from Polokwane within 6 months of awarding.

d) Bidders to state whether a service Engineer / technician is able to reach the area of equipment within 3 hours of call.

e) Bidder to provide PACS administrators at the request of the department

f) The successful bidder will be expected to maintain the validity of the licenses, software upgrades and technical support at no additional cost.

g) The successful bidder must be able to replace all hardware requirements during maintenance period.

11.6. Migration of Patient Data

At the end of the contract the bidder must migrate all the patient records to the department and the succeeding bidder at no cost.

11.7. Training

a) The successful bidder will be responsible for sufficient training of the clinicians in the operation of the units.

b) Supply curriculum for on-site training. Assessment of staff after training with 100% pass rate for all the clinicians.

c) Follow up training. Supply details of training program Discuss with end user.

d) Comprehensive application / operation manuals to be supplied.

The bidder should provide 2 x fulltime (24/7), qualified and product trained PACS administrators to offer onsite training and support for the duration of the contract.

11.8. General

a) The department reserves the right to inspect the bidders' product on site regarding quality, performance, workmanship, etc. Before a final decision is made.

b) The successful bidder will be expected to maintain the equipment during the warranty period.

c) The system must be upgradable by software or adding of modalities throughout the utilization period of the system.

d) Therefore, bidders are required to submit all-inclusive maintenance plans for the lifespan of the equipment at the time of bidding. Failure to do so will disqualify the bid.

e) All equipment on offer must be DICOM compliant – Proof of compliance must be included in bid offer.

f) The bidder must assess and advise on installation of adequate electrical power supply for the optimal functionality of the equipment. The cost thereof must be included on the bid price.

g) The solution for both PACS and RIS shall be based on an unlimited users license for all types of users. This excludes the voice recognition license which will be purchased per user profile.

h) The voice recognition licenses shall be transferrable between users in the case of a user leaving the department of health.

11.9. Bidder Site Inspection

Bidders must conduct site inspection at all facilities under this bid to determine pricing. The prices quoted should be firm prices and estimates will not be accepted. Failure to attend a site visit SHALL NOT BE DEEMED to be a reason for lack of knowledge of the site, of access to and from the site nor any other thing which may affect your tender pricing, methods of operation or the application of the contract which would have been ascertained from the aforementioned site visit.

11.10. CONSOLIDATED PRICING OPTIONS

PICTURE ARCHIVING COMMUNICATION SYSTEM (PACS)

DESCRIPTION		**OUTRIGHT BID PRICE (R)**
ITEM 1	PACS (PIETERSBURG HOSPITAL)	**R**
ITEM 2	PACS (MANKWENG HOSPITAL)	**R**
ITEM 3	PACS (LETABA HOSPITAL)	**R**

DESCRIPTION		**OUTRIGHT BID PRICE (R)**
ITEM 4	PACS (MOKOPANE HOSPITAL)	**R**
ITEM 5	PACS (PHILADELPHIA HOSPITA)	**R**
ITEM 6	PACS (ST RITAS HOSPITAL)	**R**
ITEM 7	PACS (TSHILIDZINI HOSPITAL)	**R**
ITEM 8	PACS (SESHEGO HOSPITAL)	**R**
ITEM 9	PACS (HELENE FRANZ HOSPITAL)	**R**
ITEM 10	PACS (WF KNOBEL HOSPITAL)	**R**
ITEM 11	PACS (BOTLOKWA HOSPITAL)	**R**
ITEM 12	PACS (ZEBEDIELA HOSPITAL)	**R**
ITEM 13	PACS (LEBOWAKGOMO HOSPITAL)	**R**
ITEM 14	PACS (CN PATHUDI HOSPITAL)	**R**
ITEM 15	PACS (SEKORORO HOSPITAL)	**R**
ITEM 16	PACS (KGAPANE HOSPITAL)	**R**
ITEM 17	PACS (NKENSANI HOSPITAL)	**R**
ITEM 18	PACS (VAN VELDEN HOSPITAL)	**R**

DESCRIPTION		**OUTRIGHT BID PRICE (R)**
ITEM 19	PACS (MAPUTHA MALATJIE HOSPITAL)	**R**
ITEM 20	PACS (JANE FURSE HOSPITAL)	**R**
ITEM 21	PACS (DILOKONG HOSPITAL)	**R**
ITEM 22	PACS (MECKLENBURG HOSPITAL)	**R**
ITEM 23	PACS (MATLALA HOSPITAL)	**R**
ITEM 24	PACS (GROBLERSDAL HOSPITAL)	**R**
ITEM 25	PACS (ELIM HOSPITAL)	**R**
ITEM 26	PACS (DONALD FRASER HOSPITAL)	**R**
ITEM 27	PACS (MALAMULELE HOSPITAL)	**R**
ITEM 28	PACS (LOUIS TRICHARDT HOSPITAL)	**R**
ITEM 29	PACS (SILOAM HOSPITAL)	**R**
ITEM 30	PACS (MUSINA HOSPITAL)	**R**
ITEM 31	PACS (ELLISRAS HOSPITAL)	**R**
ITEM 32	PACS (THABAZIMBI HOSPITAL)	**R**
ITEM 33	PACS (WARMBAD HOSPITAL)	**R**

DESCRIPTION		**OUTRIGHT BID PRICE (R)**
ITEM 34	PACS (WITPOORT HOSPITAL)	**R**
ITEM 35	PACS (FH ODENDAAL HOSPITAL)	**R**
ITEM 36	PACS (GEORGE MASEBE HOSPITAL)	**R**
ITEM 37	PACS (VOORTREKKER HOSPITAL)	**R**
ITEM 38	PACS (TB MDR UNIT)	**R**
GRAND TOTAL		**R**

12. PRICING SCHEDULE PER FACILITY

12.1. PRICING SCHEDULE FOR PIETERSBURG HOSPITAL PACS

OVERHEADS INCLUDING ESSENTIAL ACCESSORIES MUST BE INCLUSIVE IN THE QUOTED PRICE

ITEM 1: PICTURE ARCHIVING COMMNUNICATION SYSTEM FOR PIETERSBURG HOSPITAL	**R**
ESSENTIAL ACCESSORIES AND HARDWARE:	**R**
LICENSING FEES	**R**
TOTAL BID PRICE INCLUSIVE OF VAT	**R**

12.2. PRICING SCHEDULE FOR MANKWENG HOSPITAL PACS

OVERHEADS INCLUDING ESSENTIAL ACCESSORIES MUST BE INCLUSIVE IN THE QUOTED PRICE

ITEM 2: PICTURE ARCHIVING COMMNUNICATION SYSTEM FOR MANKWENG HOSPITAL	**R**

ESSENTIAL ACCESSORIES AND HARDWARE:	**R**
LICENSING FEES	**R**
TOTAL BID PRICE INCLUSIVE OF VAT	**R**

12.3. PRICING SCHEDULE FOR LETABA HOSPITAL PACS

OVERHEADS INCLUDING ESSENTIAL ACCESSORIES MUST BE INCLUSIVE IN THE QUOTED PRICE

ITEM 3: PICTURE ARCHIVING COMMNUNICATION SYSTEM FOR LETABA HOSPITAL	**R**
ESSENTIAL ACCESSORIES AND HARDWARE:	**R**
LICENSING FEES	**R**
TOTAL BID PRICE INCLUSIVE OF VAT	**R**

12.4. PRICING SCHEDULE FOR MOKOPANE HOSPITAL PACS

OVERHEADS INCLUDING ESSENTIAL ACCESSORIES MUST BE INCLUSIVE IN THE QUOTED PRICE

ITEM 4: PICTURE ARCHIVING COMMNUNICATION SYSTEM FOR MOKOPANE HOSPITAL	**R**
ESSENTIAL ACCESSORIES AND HARDWARE:	**R**
LICENSING FEES	**R**
TOTAL BID PRICE INCLUSIVE OF VAT	**R**

12.5. PRICING SCHEDULE FOR PHILADELPHIA HOSPITA PACS

OVERHEADS INCLUDING ESSENTIAL ACCESSORIES MUST BE INCLUSIVE IN THE QUOTED PRICE

ITEM 5: PICTURE ARCHIVING COMMNUNICATION SYSTEM FOR PHILADELPHIA HOSPITA	**R**
ESSENTIAL ACCESSORIES AND HARDWARE:	**R**
LICENSING FEES	**R**
TOTAL BID PRICE INCLUSIVE OF VAT	**R**

12.6. PRICING SCHEDULE FOR ST RITAS HOSPITAL PACS

OVERHEADS INCLUDING ESSENTIAL ACCESSORIES MUST BE INCLUSIVE IN THE QUOTED PRICE

ITEM 6: PICTURE ARCHIVING COMMNUNICATION SYSTEM FOR ST RITAS HOSPITAL	**R**
ESSENTIAL ACCESSORIES AND HARDWARE:	**R**
LICENSING FEES	**R**
TOTAL BID PRICE INCLUSIVE OF VAT	**R**

12.7. PRICING SCHEDULE FOR TSHILIDZINI HOSPITAL PACS

OVERHEADS INCLUDING ESSENTIAL ACCESSORIES MUST BE INCLUSIVE IN THE QUOTED PRICE

ITEM 7: PICTURE ARCHIVING COMMNUNICATION SYSTEM FOR TSHILIDZINI HOSPITAL	**R**
ESSENTIAL ACCESSORIES AND HARDWARE:	**R**
LICENSING FEES	**R**
TOTAL BID PRICE INCLUSIVE OF VAT	**R**

12.8. PRICING SCHEDULE FOR SESHEGO HOSPITAL PACS

OVERHEADS INCLUDING ESSENTIAL ACCESSORIES MUST BE INCLUSIVE IN THE QUOTED PRICE

ITEM 8: PICTURE ARCHIVING COMMNUNICATION SYSTEM FOR SESHEGO HOSPITAL	**R**
ESSENTIAL ACCESSORIES AND HARDWARE:	**R**
LICENSING FEES	**R**
TOTAL BID PRICE INCLUSIVE OF VAT	**R**

12.9. PRICING SCHEDULE FOR HELENE FRANZ HOSPITAL PACS

OVERHEADS INCLUDING ESSENTIAL ACCESSORIES MUST BE INCLUSIVE IN THE QUOTED PRICE

ITEM 9: PICTURE ARCHIVING COMMNUNICATION SYSTEM FOR HELENE FRANZ HOSPITAL	**R**
ESSENTIAL ACCESSORIES AND HARDWARE:	**R**
LICENSING FEES	**R**

TOTAL BID PRICE INCLUSIVE OF VAT	**R**

12.10. PRICING SCHEDULE FOR WF KNOBEL HOSPITAL PACS

OVERHEADS INCLUDING ESSENTIAL ACCESSORIES MUST BE INCLUSIVE IN THE QUOTED PRICE

ITEM 10: PICTURE ARCHIVING COMMNUNICATION SYSTEM FOR WF KNOBEL HOSPITAL	**R**
ESSENTIAL ACCESSORIES AND HARDWARE:	**R**
LICENSING FEES	**R**
TOTAL BID PRICE INCLUSIVE OF VAT	**R**

12.11. PRICING SCHEDULE FOR BOTLOKWA HOSPITAL PACS

OVERHEADS INCLUDING ESSENTIAL ACCESSORIES MUST BE INCLUSIVE IN THE QUOTED PRICE

ITEM 11: PICTURE ARCHIVING COMMNUNICATION SYSTEM FOR BOTLOKWA HOSPITAL	**R**
ESSENTIAL ACCESSORIES AND HARDWARE:	**R**
LICENSING FEES	**R**
TOTAL BID PRICE INCLUSIVE OF VAT	**R**

12.12. PRICING SCHEDULE FOR ZEBEDIELA HOSPITAL PACS

OVERHEADS INCLUDING ESSENTIAL ACCESSORIES MUST BE INCLUSIVE IN THE QUOTED PRICE

ITEM 12: PICTURE ARCHIVING COMMNUNICATION SYSTEM FOR ZEBEDIELA HOSPITAL	**R**
ESSENTIAL ACCESSORIES AND HARDWARE:	**R**

LICENSING FEES	**R**
TOTAL BID PRICE INCLUSIVE OF VAT	**R**

12.13. PRICING SCHEDULE FOR LEBOWAKGOMO HOSPITAL PACS

OVERHEADS INCLUDING ESSENTIAL ACCESSORIES MUST BE INCLUSIVE IN THE QUOTED PRICE

ITEM 13: PICTURE ARCHIVING COMMNUNICATION SYSTEM FOR LEBOWAKGOMO HOSPITAL	**R**
ESSENTIAL ACCESSORIES AND HARDWARE:	**R**
LICENSING FEES	**R**
TOTAL BID PRICE INCLUSIVE OF VAT	**R**

12.14. PRICING SCHEDULE FOR CN PATHUDI HOSPITAL PACS

OVERHEADS INCLUDING ESSENTIAL ACCESSORIES MUST BE INCLUSIVE IN THE QUOTED PRICE

ITEM 14: PICTURE ARCHIVING COMMNUNICATION SYSTEM FOR CN PATHUDI HOSPITAL	**R**
ESSENTIAL ACCESSORIES AND HARDWARE:	**R**
LICENSING FEES	**R**
TOTAL BID PRICE INCLUSIVE OF VAT	**R**

12.15. PRICING SCHEDULE FOR SEKORORO HOSPITAL PACS

OVERHEADS INCLUDING ESSENTIAL ACCESSORIES MUST BE INCLUSIVE IN THE QUOTED PRICE

ITEM 15: PICTURE ARCHIVING COMMNUNICATION SYSTEM FOR SEKORORO HOSPITAL	**R**

ESSENTIAL ACCESSORIES AND HARDWARE:	**R**
LICENSING FEES	**R**
TOTAL BID PRICE INCLUSIVE OF VAT	**R**

12.16. PRICING SCHEDULE FOR KGAPANE HOSPITAL PACS

OVERHEADS INCLUDING ESSENTIAL ACCESSORIES MUST BE INCLUSIVE IN THE QUOTED PRICE

ITEM 16: PICTURE ARCHIVING COMMNUNICATION SYSTEM FOR KGAPANE HOSPITAL	**R**
ESSENTIAL ACCESSORIES AND HARDWARE:	**R**
LICENSING FEES	**R**
TOTAL BID PRICE INCLUSIVE OF VAT	**R**

12.17. PRICING SCHEDULE FOR NKENSANI HOSPITAL PACS

OVERHEADS INCLUDING ESSENTIAL ACCESSORIES MUST BE INCLUSIVE IN THE QUOTED PRICE

ITEM 17: PICTURE ARCHIVING COMMNUNICATION SYSTEM FOR NKENSANI HOSPITAL	**R**
ESSENTIAL ACCESSORIES AND HARDWARE:	**R**
LICENSING FEES	**R**
TOTAL BID PRICE INCLUSIVE OF VAT	**R**

12.18. PRICING SCHEDULE FOR VAN VELDEN HOSPITAL PACS

OVERHEADS INCLUDING ESSENTIAL ACCESSORIES MUST BE INCLUSIVE IN THE QUOTED PRICE

ITEM 18: PICTURE ARCHIVING COMMNUNICATION SYSTEM FOR VAN VELDEN HOSPITAL	**R**
ESSENTIAL ACCESSORIES AND HARDWARE:	**R**
LICENSING FEES	**R**
TOTAL BID PRICE INCLUSIVE OF VAT	**R**

12.19. PRICING SCHEDULE FOR MAPUTHA MALATJIE HOSPITAL PACS

OVERHEADS INCLUDING ESSENTIAL ACCESSORIES MUST BE INCLUSIVE IN THE QUOTED PRICE

ITEM 19: PICTURE ARCHIVING COMMNUNICATION SYSTEM FOR MAPUTHA MALATJIE HOSPITAL	**R**
ESSENTIAL ACCESSORIES AND HARDWARE:	**R**
LICENSING FEES	**R**
TOTAL BID PRICE INCLUSIVE OF VAT	**R**

12.20. PRICING SCHEDULE FOR JANE FURSE HOSPITAL PACSOVERHEADS INCLUDING ESSENTIAL ACCESSORIES MUST BE INCLUSIVE IN THE QUOTED PRICE

ITEM 20: PICTURE ARCHIVING COMMNUNICATION SYSTEM FOR JANE FURSE HOSPITAL	**R**
ESSENTIAL ACCESSORIES AND HARDWARE:	**R**
LICENSING FEES	**R**
TOTAL BID PRICE INCLUSIVE OF VAT	**R**

12.21. PRICING SCHEDULE FOR DILOKONG HOSPITAL PACS

OVERHEADS INCLUDING ESSENTIAL ACCESSORIES MUST BE INCLUSIVE IN THE QUOTED PRICE

ITEM 21: PICTURE ARCHIVING COMMNUNICATION SYSTEM FOR DILOKONG HOSPITAL	**R**
ESSENTIAL ACCESSORIES AND HARDWARE:	**R**
LICENSING FEES	**R**
TOTAL BID PRICE INCLUSIVE OF VAT	**R**

12.22. PRICING SCHEDULE FOR MECKLENBURG HOSPITAL PACS

OVERHEADS INCLUDING ESSENTIAL ACCESSORIES MUST BE INCLUSIVE IN THE QUOTED PRICE

ITEM 22: PICTURE ARCHIVING COMMNUNICATION SYSTEM FOR MECKLENBURG HOSPITAL	**R**
ESSENTIAL ACCESSORIES AND HARDWARE:	**R**
LICENSING FEES	**R**
TOTAL BID PRICE INCLUSIVE OF VAT	**R**

12.23. PRICING SCHEDULE FOR MATLALA HOSPITAL PACS

OVERHEADS INCLUDING ESSENTIAL ACCESSORIES MUST BE INCLUSIVE IN THE QUOTED PRICE

ITEM 23: PICTURE ARCHIVING COMMNUNICATION SYSTEM FOR MATLALA HOSPITAL	**R**
ESSENTIAL ACCESSORIES AND HARDWARE:	**R**
LICENSING FEES	**R**
TOTAL BID PRICE INCLUSIVE OF VAT	**R**

12.24. PRICING SCHEDULE FOR GROBLERSDAL HOSPITAL PACS

OVERHEADS INCLUDING ESSENTIAL ACCESSORIES MUST BE INCLUSIVE IN THE QUOTED PRICE

ITEM 24: PICTURE ARCHIVING COMMNUNICATION SYSTEM FOR GROBLERSDAL HOSPITAL	**R**
ESSENTIAL ACCESSORIES AND HARDWARE:	**R**
LICENSING FEES	**R**
TOTAL BID PRICE INCLUSIVE OF VAT	**R**

12.25. PRICING SCHEDULE FOR ELIM HOSPITAL PACS

OVERHEADS INCLUDING ESSENTIAL ACCESSORIES MUST BE INCLUSIVE IN THE QUOTED PRICE

ITEM 25: PICTURE ARCHIVING COMMNUNICATION SYSTEM FOR ELIM HOSPITAL	**R**
ESSENTIAL ACCESSORIES AND HARDWARE:	**R**
LICENSING FEES	**R**
TOTAL BID PRICE INCLUSIVE OF VAT	**R**

12.26. PRICING SCHEDULE FOR DONALD FRASER HOSPITAL PACS

OVERHEADS INCLUDING ESSENTIAL ACCESSORIES MUST BE INCLUSIVE IN THE QUOTED PRICE

ITEM 26: PICTURE ARCHIVING COMMNUNICATION SYSTEM FOR DONALD FRASER HOSPITAL	**R**
ESSENTIAL ACCESSORIES AND HARDWARE:	**R**
LICENSING FEES	**R**
TOTAL BID PRICE INCLUSIVE OF VAT	**R**

12.27. PRICING SCHEDULE FOR MALAMULELE HOSPITAL PACS

OVERHEADS INCLUDING ESSENTIAL ACCESSORIES MUST BE INCLUSIVE IN THE QUOTED PRICE

ITEM 27: PICTURE ARCHIVING COMMNUNICATION SYSTEM FOR MALAMULELE HOSPITAL	**R**
ESSENTIAL ACCESSORIES AND HARDWARE:	**R**
LICENSING FEES	**R**
TOTAL BID PRICE INCLUSIVE OF VAT	**R**

12.28. PRICING SCHEDULE FOR LOUIS TRICHARDT HOSPITAL PACS

OVERHEADS INCLUDING ESSENTIAL ACCESSORIES MUST BE INCLUSIVE IN THE QUOTED PRICE

ITEM 28: PICTURE ARCHIVING COMMNUNICATION SYSTEM FOR LOUIS TRICHARDT HOSPITAL	**R**
ESSENTIAL ACCESSORIES AND HARDWARE:	**R**
LICENSING FEES	**R**
TOTAL BID PRICE INCLUSIVE OF VAT	**R**

12.29. PRICING SCHEDULE FOR SILOAM HOSPITAL PACS

OVERHEADS INCLUDING ESSENTIAL ACCESSORIES MUST BE INCLUSIVE IN THE QUOTED PRICE

ITEM 29: PICTURE ARCHIVING COMMNUNICATION SYSTEM FOR SILOAM HOSPITAL	**R**
ESSENTIAL ACCESSORIES AND HARDWARE:	**R**
LICENSING FEES	**R**
TOTAL BID PRICE INCLUSIVE OF VAT	**R**

12.30. PRICING SCHEDULE FOR MUSINA HOSPITAL PACS

OVERHEADS INCLUDING ESSENTIAL ACCESSORIES MUST BE INCLUSIVE IN THE QUOTED PRICE

ITEM 30: PICTURE ARCHIVING COMMNUNICATION SYSTEM FOR MUSINA HOSPITAL	**R**
ESSENTIAL ACCESSORIES AND HARDWARE:	**R**
LICENSING FEES	**R**
TOTAL BID PRICE INCLUSIVE OF VAT	**R**

12.31. PRICING SCHEDULE FOR ELLISRAS HOSPITAL PACS

OVERHEADS INCLUDING ESSENTIAL ACCESSORIES MUST BE INCLUSIVE IN THE QUOTED PRICE

ITEM 31: PICTURE ARCHIVING COMMNUNICATION SYSTEM FOR ELLISRAS HOSPITAL	**R**
ESSENTIAL ACCESSORIES AND HARDWARE:	**R**
LICENSING FEES	**R**
TOTAL BID PRICE INCLUSIVE OF VAT	**R**

12.32. PRICING SCHEDULE FOR THABAZIMBI HOSPITAL PACS

OVERHEADS INCLUDING ESSENTIAL ACCESSORIES MUST BE INCLUSIVE IN THE QUOTED PRICE

ITEM 32: PICTURE ARCHIVING COMMNUNICATION SYSTEM FOR THABAZIMBI HOSPITAL	**R**
ESSENTIAL ACCESSORIES AND HARDWARE:	**R**
LICENSING FEES	**R**
TOTAL BID PRICE INCLUSIVE OF VAT	**R**

12.33. PRICING SCHEDULE FOR WARMBAD HOSPITAL PACS

OVERHEADS INCLUDING ESSENTIAL ACCESSORIES MUST BE INCLUSIVE IN THE QUOTED PRICE

ITEM 33: PICTURE ARCHIVING COMMNUNICATION SYSTEM FOR WARMBAD HOSPITAL	**R**
ESSENTIAL ACCESSORIES AND HARDWARE:	**R**
LICENSING FEES	**R**
TOTAL BID PRICE INCLUSIVE OF VAT	**R**

12.34. PRICING SCHEDULE FOR WITPOORT HOSPITAL PACS

OVERHEADS INCLUDING ESSENTIAL ACCESSORIES MUST BE INCLUSIVE IN THE QUOTED PRICE

ITEM 34: PICTURE ARCHIVING COMMNUNICATION SYSTEM FOR WITPOORT HOSPITAL	**R**
ESSENTIAL ACCESSORIES AND HARDWARE:	**R**
LICENSING FEES	**R**
TOTAL BID PRICE INCLUSIVE OF VAT	**R**

12.35. PRICING SCHEDULE FOR FH ODENDAAL HOSPITAL PACS

OVERHEADS INCLUDING ESSENTIAL ACCESSORIES MUST BE INCLUSIVE IN THE QUOTED PRICE

ITEM 35: PICTURE ARCHIVING COMMNUNICATION SYSTEM FOR FH ODENDAAL HOSPITAL	**R**
ESSENTIAL ACCESSORIES AND HARDWARE:	**R**
LICENSING FEES	**R**
TOTAL BID PRICE INCLUSIVE OF VAT	**R**

12.36. PRICING SCHEDULE FOR GEORGE MASEBE HOSPITAL PACS

OVERHEADS INCLUDING ESSENTIAL ACCESSORIES MUST BE INCLUSIVE IN THE QUOTED PRICE

ITEM 36: PICTURE ARCHIVING COMMNUNICATION SYSTEM FOR GEORGE MASEBE HOSPITAL	**R**
ESSENTIAL ACCESSORIES AND HARDWARE:	**R**
LICENSING FEES	**R**
TOTAL BID PRICE INCLUSIVE OF VAT	**R**

12.37. PRICING SCHEDULE FOR VOORTREKKER HOSPITAL PACS

OVERHEADS INCLUDING ESSENTIAL ACCESSORIES MUST BE INCLUSIVE IN THE QUOTED PRICE

ITEM 37: PICTURE ARCHIVING COMMNUNICATION SYSTEM FOR VOORTREKKER HOSPITAL	**R**
ESSENTIAL ACCESSORIES AND HARDWARE:	**R**
LICENSING FEES	**R**
TOTAL BID PRICE INCLUSIVE OF VAT	**R**

12.38. PRICING SCHEDULE FOR TB MDR UNIT PACS

OVERHEADS INCLUDING ESSENTIAL ACCESSORIES MUST BE INCLUSIVE IN THE QUOTED PRICE

ITEM 38: PICTURE ARCHIVING COMMNUNICATION SYSTEM FOR TB MDR UNIT	**R**
ESSENTIAL ACCESSORIES AND HARDWARE:	**R**
LICENSING FEES	**R**
TOTAL BID PRICE INCLUSIVE OF VAT	**R**

12.39. Pricing for additional requirements

NETWORK POINT PER UNIT	**R**
PRICE PER MODALITY	**R**
PACS ADMINISTRATOR RATE PER HOUR	**R**
TOTAL BID PRICE INCLUSIVE OF VAT	**R**

13. **PHASE 3 (THREE): EVALUATION ON PRICE AND SPECIFIC GOALS**

This bid shall be evaluated in terms of **90/10** preference points system.

13.1. 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.

13.2. Points shall be awarded to a bidder for attaining the preferential procurement points in accordance with the table below:

SPECIFIC GOALS	**PREFERENTIAL POINTS**
	90/10
Enterprise located in Limpopo Province	**3/10**
SMMEs	**2/10**
Woman	**2/10**
Disability Persons	**1/10**
Youth	**2/10**

15.2. 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:

15.2.1. **People living with Disability:** Submission of signed-letter by a Medical Practitioner(Doctor's letter) indicating whether the disability is temporary or permanent. Affidavit detailing the above will also be acceptable.

15.2.2. **Women:** Bidders must submit the latest full Central Supplier Database (CSD report).

15.2.3. **Youth:** Bidders must submit the latest full Central Supplier Database (CSD report).

15.2.4. **Enterprise Located in Limpopo:** Bidders must attach proof of residence of where the enterprise is allocated.

15.2.5. **SMMEs:** Bidders must attach a valid original sworn affidavit.

16. BRIEFING SESSION

16.1. **T**here will be no briefing session for this bid

17. ENQUIRIES

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

Physical Address	Technical Enquiries	Bidding Process
Department of Health Fidel Castro Ruz House 18 College Street Polokwane 0699	Dr. Hadzhi R. 015 287 5000	Ms Motene NM (015) 293 6350 Ms. Simango TO (015) 293 6352

18. ANNEXURE A: COMPANY PROFILE (BIDDER'S EXPERIENCE)

The Bidder/s must furnish a list of the following particulars of relevant experience in the SUPPLY, DELIVERY, INSTALLATION, COMMISSIONING, AND MAINTENANCE OF RADIOLOGY PICTURE ARCHIVING COMMUNICATION SYSTEM (PACS), AND RADIOLOGY INFORMATION SYSTEM (RIS). The bidder must in addition attach proof of references e.g. previous contract or order and disbursement reports/payment advise. Failure to furnish the particulars of such information in this Annexure in full shall invalidate the bid.

FOL	CONTRACT NUMBER AND DESCRIPTION OF SERVICE	NAME OF CLIENT	PLACE (TOWN)	CONTRACT COMMENCEMENT DATE Day, Month and Year	CONTRACT END DATE Day, Month and Year	CONTRACT AMOUNT/ VALUE OF CONTRACT (R)	CLIENT CONTACT PERSON AND CONTACT NUMBER
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							

19. ANNEXURE B: PACS TECHNICAL SPECIFICATIONS

PICTURE ARCHIVING SYSTEM (PACS) TECHNICAL SPECIFICATIONS

NO.	GENERAL INFORMATION ABOUT THE PACS SOLUTION	COMPLIES YES/NO	BIDDER'S RESPONSE
A	**MANUFACTURER/DEVELOPER**		
B	**UMDNS CODE**		
C	**Number of years offering CURRENT PACS product line (same name)**		
D	**PRIMARY SYSTEM DESIGN (WEB-BASED, CLIENT/SERVER, ETC.)**		

NO.	DESCRIPTION	COMPLIES YES/NO	BIDDER'S RESPONSE
	General Features		
	ISO 13485 certified vendor		
	FDA 510K approved Application		
	CE 93/42/ECC certified Application		
	Single Web Application for all users (radiologists, technicians, clinicians, Operating Room surgeons, operators and home viewing [tele-radiology]).		
	Support Microsoft and Non-Microsoft Internet Browsers (e.g. Internet Explorer)		
	Support Non-Microsoft Internet Browsers (e.g. Firefox ,Google Chrome, Apple Safari, Opera Browser, …etc.)		
	Supports multiple operating systems (Windows, Mac, Linux, bidder to specify)		
	Supports Apple iOS and Android tablets and mobile devices		

	Same application for all devices (Windows, Mac, iOS, Android)		
	Based on latest HTML Web Technology		
	Support for Zero-Foot-Print Imaging and reporting		
	Integrated One-Click, Anywhere Access to Comprehensive Online Help documentation and multimedia guide (licensed)		
	Multiple applications for radiologists, radiographers, clerks, PACS administrators		
	Streaming with dispersion to speedup image transmission on both LAN/WAN		
	Web administrator to administer the whole solution from the web		
	Web Monitoring for the PACS from anywhere on the network		
	GUI and data should be in English		
	All of PACS/Web/RIS software servers work on the same online copy of data, no data duplication for PACS and web.		
	All PACS/RIS/Web/3D/CD publishing /Film digitizing should be able to communicate and ensure seamless integration between all components.		
	Up time is 99.5% for the whole solution.		
	heart beat monitoring and reporting for the server status (locally and remotely)		
	Server re-heals itself automatically when any software malfunction occur		
	All Lossless Interpretation		
	JPEG 2000 image compression (Lossy / Lossless)		
	Wavelet image compression and streaming		
	Web-based Clinical Viewing for the Healthcare Enterprise (anywhere access)		
	Support for Web Access to Dicom Objects integration (WADO)		
	One Database for PACS/RIS/Reporting		
	Multiple Databases for PACS		
	Portability of Complete Workstation and PACS viewer (Diagnostic		

	Workstation, Web Viewer, CD, 3D)		
	Similar User Interface for Every User, Across All Information and Imaging Applications		
	Multiple User Interfaces for Teleradiology, Primary Interpretation, At Home Viewing, On CD		
	Progressive Study Loading – No Need to Load Entire Study to View Any Series		
	Support Virtualization and cloud based operation		
	Highly Customizable User Interface For All Users – Privilege Based		
	Administration from Anywhere		
	Web distribution of images and reports to operating rooms.		
	Touch screen operation for searching patients, viewing/processing images and reports.		
	Access patients data from any of our facilities		
	Referral physicians portal to access their sent studies and reports		
	Support customized HL7 and non-HL7 integration		

NO.	DESCRIPTION	COMPLIES YES/NO	BIDDER'S RESPONSE
	Standards Supported		
	HTTP and HTTPS		
	HTML 5		
	DICOM Send		
	DICOM Receive		
	DICOM Query/Retrieve		
	DICOM Print		
	DICOM Storage Commitment		
	DICOM Worklist / MPPS		
	Standard HL7 integration supported		

	Customized Proprietary Integration		
	Non-standard / Proprietary Compression		
	Non Compressed (Raw)		
	JPEG Lossless and Lossy Compression		
	JPEG 2000 Lossless Compression		
	JPEG 2000 Lossy Compression		
	Wavelet Compression and streaming		
	IHE Connectathon – PACS Supported Actors and Profiles		
	IHE Connectathon – RIS Supported Actors and Profiles		

NO.	DESCRIPTION	COMPLIES YES/NO	BIDDER'S RESPONSE
	6.1.3 Diagnostic Workstation		
	6.1.3.1 Diagnostic Workstation (Reporting)		
	Supports Web based Operations		
	Internet browser independent (i.e. Firefox, chrome, safari, ...etc.)		
	Supports Non-Web Operation		
	Multiple User Interface (UI) for Teleradiology, Diagnostic Workstations, Clinical Viewing, Referring Physician Access and self-launching CDs		
	Multiple User Interfaces (UI) for Viewing and Diagnosis		
	View Patient history from PCs, tablets, ..etc.		

	Color Coded worklist display according to study status		
	Customizable Slab Scrolling		
	Cardiac Support – Cardiac Cauterization, Echocardiography, Color Doppler Ultrasound, Angiography, Multi-frame Ultrasound, Multi-frame NM ... etc.		
	Multiple Studies May Be Launched Simultaneously On The Desktop		
	One-click Embedded 3D: Within Same User Interface		
	Automated User designed hanging protocols		
	Prioritized, Automatic Delivery of All Study Types and Relevant Priors to the Desktop over WAN/LAN		
	Windows May Be Asymmetrically Sized for Optimal Window Layouts [Elongated Rectangular Sagittal Views plus Square Axials]		
	Automatic adjustment of screen layout according to screen orientation (e.g. Portrait , Landscape)		
	Workstation Display Auto-Sensing (Automatically Adjusts Study Layout Based Upon Available Number of Workstation Displays – Example: Home vs. Office vs. Clinical Viewing)		
	Image Enhancement – Multiple Image Sharpening/smoothing Tools		
	Configurable (Exit Study) Features		
	Return to Original Study Format		
	Comprehensive Annotations – Multiple Arrows, Multiple Ellipses, Multiple Circles, Multiple Rectangles, Text, Color Fill		
	Comprehensive Measurements (Distance, area, density , ...etc.)		
	True Image Size Display and Print		
	Calibrate Display to Size of Known Object		
	Personalization (Roaming Profiles) – Preferences Travel with The User Wherever They Log-on		
	One-Click Access To Multiple Presentation States and Study Layouts Per Study, Per User		

	Customizable Study Layouts		
	Additional Depth of Study Layout Criteria – Multiple Reference Points Especially for MR (e.g., TE, TR)		
	Apply Different W/L Presents To Same Study Via A Study Layout		
	Film Printing (DICOM) From Any PC		
	Paper Printing From Any PC		
	Single click export of Anonymized Study to Power point presentation		
	Privilege-based Authority to Allow Select Users to Grant Restricted Secure Temporary System Access (w/o PACS Administrator Intervention Required)		
	Key image manipulation		
	Sharing studies with other physicians (e.g. for second opinion)		
	Add Clinical Notes / preliminary reports		
	Clinical Notes – Visual Color Coded Alerts		
	Internal messaging communication between users from anywhere (with and without internet access)		
	Assigning specific studies to specific radiologists		
	Assigning specific studies to specific referral physicians		
	Burning Studies to local CD/DVD from anywhere		
	Send studies to other dicom nodes from anywhere		
	Burn studies to CD/DVD robots from anywhere		
	Import non-dicom files with the patient study from any removable media (e.g. PDF, DOC , XLS, JPEG, PNG ...etc.)		
	Scan / attach papers with the patient study from anywhere		
	Upload DICOM images from anywhere and any device		
	Built in reporting tool without needing RIS presence		
	Supports (English)		
	Built in word processor without the need for Microsoft word		
	Integrated with Microsoft WORD.		

	Support Pure HTML Reporting (zero-foot-print)		
	Microsoft WORD should be installed to operation		
	Built in Templates and dictation		
	Supports special clinical reporting (cardiology, Mammography)		
	Draft versions of reports are kept for auditing		
	Profile based GUI application for easy operation		
	Reports and addendums can be created or edited.		
	Scanned documents can be fully displayed.		
	Reports can be viewed/printed from PACS, RIS, web with the same GUI and same application.		
	Integrated Voice Recognition – Cloud based/user/year		
	Addendum can be added to validated reports.		
	The report can be given a 'preliminary result' status, and immediately distributed to the referring entities. Later when the report has been reviewed and is medically validated, the official version of the report will be redistributed to the addressees.		
	Dictations can be automatically loaded for transcription (ordered by priority/ creation date), or selected from a Work list.		
	Information related to the patient, the request and its exams, the addressees, etc. can easily be included in the report.		
	Pre-defined standard texts can be inserted in the report.		
	Scanned order forms linked to the procedure or visit registration can be printed on the report.		
	Standardized reports can be automatically generated for normal protocols.		
	The system supports an off-line voice recognition system		
	The system can support/s an on-line voice recognition system,		
	The system supports digital dictation.		

	The system provides the physician a user-friendly way to start the dictation.		
	Dictating in batch is possible.		
	When using on-line voice recognition, the system allows the facility to save, validate and print the report immediately after finishing the dictation.		
	Sound files from dictation are stored in the system until final validation of a report. Optionally, these sound files can be kept for a user-definable period after validation.		
	Both the creation of reports and addendum are supported by voice recognition.		
	Residents and radiologists are distinct in the setup. A resident can be prohibited from validating a report directly. These reports must first be reviewed and signed by a responsible radiologist.		
	Supports multiple co-reporting signers		
	Password protected report verification independent from current application login		
	Report letter layouts can be created and configured by system administrator.		
	Unlimited report letter layouts can be defined for multiple purposes.		
	Different layout types are available to generate automatically reports for original or additional report recipients (Referral)		
	If the reviewing radiologist determines that revisions must be made to a report, it can be automatically returned to the resident or transcriber for changes. After the changes are made the report will again be presented in the radiologists sign off work list.		

	Documentation of different diagnosis as free text or out a code catalogue.		
	Radiologists are able to assign a colleague as report reviewer if required.		
	The use of a medical multi-axial coding system for medical reports is available within the system.		
	Several codes can be linked to one medical report.		
	The coding systems are user-definable. The users can create their own coding system. Also the number of axes is user-definable.		
	The system supports the ACR classification.		
	The system supports the ICD 9/10 classifications.		
	Scan of documents attached to a procedure, e.g. paper request form, external reports, lab results, etc.		
	Availability of scanned documents is visible in any work list.		
	Document scan is available from any module.		
	Display of scanned documents in an integrated viewer in the scan module.		
	An auto scan allows activating the scanner without any data entry.		
	A copy of the report can be sent on demand by fax or email, or printed.		
	Configurable report distribution via HL7 depending on procedure status, e.g. written, preliminary, verified.		

	Distribution of preliminary reports.		
	The system is able to produce user-defined statistics and management reports.		
	The results can be exported to other applications/formats, e.g. Microsoft Excel.		

NO.	DESCRIPTION	COMPLIES YES/NO	BIDDER'S RESPONSE
	6.1.3.2 Diagnostic Workstation (Modality Applications)		
	CT/MRI Applications		
	CT number measurements (Hounsfield) including region identification		
	Smart scan lines and pilot/reference image for CT/MRI studies.		
	Built in MPR/MIP features for all viewers (orthogonal, multi-oblique, curved, cross curved, spiral).		
	Built in 3D reconstruction with (CT and MRI , VRT , Segmentation, Vessel Analysis, Virtual Colonography) using same GUI.		
	Spine Labelling (vertebrae Annotation)		
	Full support of enhanced DICOM CT / MRI classes		
	2D Triangulation		

NO.	DESCRIPTION	COMPLIES YES/NO	BIDDER'S RESPONSE
	6.1.3.3 Advanced Visualization Applications		
	MIP – MinIP, Average IP		
	MPR – Standard		
	MPR – Spiral		
	MPR – Multi Oblique		
	MPR – Curved		
	MPR –Cross Curved		
	MPR - 2D Triangulation		
	MPR - 3D Triangulation		
	MPR/MIP reconstruction from anywhere on the Web		
	Built in 3D Volume Reconstruction		
	3D Vessel / Coronary Analysis Module		
	3D Virtual Colonography Module		
	3D Calcium Scoring Module		
	Save of reconstructions Images to Original Study		
	Save of reconstructions Movies to Original Study		

NO.	DESCRIPTION	COMPLIES YES/NO	BIDDER'S RESPONSE
	6.1.3.4 CR/DR Applications		
	COBB angle measurement		
	Spine Labelling (vertebrae Annotation)		
	Image stitching for Full Leg/Full Spine		
	True Size Display/Printing		

	Non-Linear Windows LUT		
	Free Film format		

NO.	DESCRIPTION	COMPLIES YES/NO	BIDDER'S RESPONSE
	6.1.3.5 Mammography Applications		
	Support of 5MP medical monitors.		
	Mammography Hanging protocols		
	Mammography CAD overlay display		
	Auto crop of image surrounding		
	Smart inversion of image without background		

NO.	DESCRIPTION	COMPLIES YES/NO	BIDDER'S RESPONSE
	6.1.3 Diagnostic Workstation (Radiographer viewing)		
	Supports Web based Operations		
	Internet browser independent (i.e. Firefox, chrome, safari, ...etc.)		
	Supports Non-Web Operation		
	Multiple User Interface (UI) for Teleradiology, Diagnostic Workstations, Clinical Viewing, Referring Physician Access and self-launching CDs		
	Multiple User Interfaces (UI) for Viewing and Diagnosis		
	View Patient history from PCs, tablets, ..etc.		

	Color Coded worklist display according to study status		
	Customizable Slab Scrolling		
	Cardiac Support – Cardiac Cauterization, Echocardiography, Color Doppler Ultrasound, Angiography, Multi-frame Ultrasound, Multi-frame NM ... etc.		
	Multiple Studies of the same patient May Be Launched Simultaneously On The Desktop		
	One-click Embedded 3D: Within Same User Interface		
	Automated User designed hanging protocols		
	Prioritized, Automatic Delivery of All Study Types and Relevant Priors to the Desktop over WAN/LAN		
	Windows May Be Asymmetrically Sized for Optimal Window Layouts [Elongated Rectangular Sagittal Views plus Square Axials]		
	Automatic adjustment of screen layout according to screen orientation (e.g. Portrait , Landscape)		
	Workstation Display Auto-Sensing (Automatically Adjusts Study Layout Based Upon Available Number of Workstation Displays – Example: Home vs. Office vs. Clinical Viewing)		
	Image Enhancement – Multiple Image Sharpening/smoothing Tools		
	Configurable (Exit Study) Features		
	Return to Original Study Format		
	Comprehensive Annotations – Multiple Arrows, Multiple Ellipses, Multiple Circles, Multiple Rectangles, Text, Color Fill		
	Comprehensive Measurements (Distance, area, density , ...etc.)		
	True Image Size Display and Print		
	Calibrate Display to Size of Known Object		
	Personalization (Roaming Profiles) – Preferences Travel with The User Wherever They Logon		
	One-Click Access To Multiple Presentation States and Study Layouts Per Study, Per User		

	Customizable Study Layouts		
	Additional Depth of Study Layout Criteria – Multiple Reference Points Especially for MR (e.g., TE, TR)		
	Apply Different W/L Presents To Same Study Via A Study Layout		
	Film Printing (DICOM) From Any PC		
	Paper Printing From Any PC		
	Single click export of Anonymized Study to Power point presentation		
	Privilege-based Authority to Allow Select Users to Grant Restricted Secure Temporary System Access (w/o PACS Administrator Intervention Required)		
	Key image manipulation		
	Sharing studies with other physicians (e.g. for second opinion)		
	Add Clinical Notes / preliminary reports		
	Clinical Notes – Visual Color Coded Alerts		
	Internal messaging communication between users from anywhere (with and without internet access)		
	Assigning specific studies to specific radiologists		
	Assigning specific studies to specific referral physicians		
	Burning Studies to local CD/DVD from anywhere		
	Send studies to other dicom nodes from anywhere		
	Burn studies to CD/DVD robots from anywhere		
	Import non-dicom files with the patient study from any removable media (e.g. PDF, DOC , XLS, JPEG, PNG ...etc.)		
	Scan / attach papers with the patient study from anywhere		
	Upload DICOM images from anywhere and any device		
	Built in reporting tool without needing RIS presence(remove)		

NO.	DESCRIPTION	COMPLIES YES/NO	BIDDER'S RESPONSE

	6.1.3 Diagnostic Workstation (Doctor's viewing)		
	Supports Web based Operations		
	Internet browser independent (i.e. Firefox, chrome, safari, ...etc.)		
	Supports Non-Web Operation		
	Multiple User Interface (UI) for Teleradiology, Diagnostic Workstations, Clinical Viewing, Referring Physician Access and self-launching CDs		
	Multiple User Interfaces (UI) for Viewing and Diagnosis		
	View Patient history from PCs, tablets, ..etc.		
	Color Coded worklist display according to study status		
	Customizable Slab Scrolling		
	Cardiac Support – Cardiac Cauterization, Echocardiography, Color Doppler Ultrasound, Angiography, Multi-frame Ultrasound, Multi-frame NM ... etc.		
	Multiple Studies May Be Launched Simultaneously On The Desktop		
	One-click Embedded 3D: Within Same User Interface		
	Automated User designed hanging protocols		
	Prioritized, Automatic Delivery of All Study Types and Relevant Priors to the Desktop over WAN/LAN		
	Windows May Be Asymmetrically Sized for Optimal Window Layouts [Elongated Rectangular Sagittal Views plus Square Axials]		
	Automatic adjustment of screen layout according to screen orientation (e.g. Portrait , Landscape)		
	Workstation Display Auto-Sensing (Automatically Adjusts Study Layout Based Upon Available Number of Workstation Displays – Example: Home vs. Office vs. Clinical Viewing)		

	Image Enhancement – Multiple Image Sharpening/smoothing Tools		
	Configurable (Exit Study) Features		
	Return to Original Study Format		
	Comprehensive Annotations – Multiple Arrows, Multiple Ellipses, Multiple Circles, Multiple Rectangles, Text, Color Fill		
	Comprehensive Measurements (Distance, area, density , ...etc.)		
	True Image Size Display and Print		
	Calibrate Display to Size of Known Object		
	Personalization (Roaming Profiles) – Preferences Travel with The User Wherever They Logon		
	One-Click Access To Multiple Presentation States and Study Layouts Per Study, Per User		
	Customizable Study Layouts		
	Additional Depth of Study Layout Criteria – Multiple Reference Points Especially for MR (e.g., TE, TR)		
	Apply Different W/L Presents To Same Study Via A Study Layout		
	Film Printing (DICOM) From Any PC		
	Paper Printing From Any PC		
	Single click export of Anonymized Study to Power point presentation		
	Privilege-based Authority to Allow Select Users to Grant Restricted Secure Temporary System Access (w/o PACS Administrator Intervention Required)		
	Key image manipulation		
	Sharing studies with other physicians (e.g. for second opinion)		
	Add Clinical Notes / preliminary reports		

	Clinical Notes – Visual Color Coded Alerts		
	Internal messaging communication between users from anywhere (with and without internet access)		
	Assigning specific studies to specific radiologists		
	Assigning specific studies to specific referral physicians		
	Burning Studies to local CD/DVD from anywhere		
	Send studies to other dicom nodes from anywhere		
	Burn studies to CD/DVD robots from anywhere		
	Import non-dicom files with the patient study from any removable media (e.g. PDF, DOC , XLS, JPEG, PNG ...etc.)		
	Scan / attach papers with the patient study from anywhere		
	Upload DICOM images from anywhere and any device		
	Built in reporting tool without needing RIS presence		

NO.	DESCRIPTION AND SPECIFICATION	COMPLIES YES/NO	BIDDER'S RESPONSE
	Nuclear Medicine		
	NM Hanging Protocols		
	User defined hanging protocols shall be available to a specific users.		
	System wide define hanging protocols shall be available to all users.		
	The configurations of the Hanging protocols shall include the ability to change the screen layouts to user define layouts		

	Hanging protocols must load selected image display features automatically, for instance- reference lines, synchronisation, zoom and pan, mirror image.		
	It shall be possible to configure what is displayed in each segment of the display layout selected. Hanging protocols must load the advanced image manipulation application, and it must be a multi-modality hanging protocol.		
	The NM Physician PACS application shall allow the User to save and label presentation states.		
	These presentation states shall be saved as a presentation state object as part of the DICOM record in the PACS system		
	When reporting it shall be possible to have a drop-down menu of ICD 10 codes shall be available on each report and approval of report shall not be allowed without ICD 10 code.		
	The PACS system shall the use of smart devices to view images and reports on archive via an android application, Apple IOS application or URL address without being connected to hospital network i.e. zero footprint platform for image viewing		
	Study Display		
	Display of NM MPR for (static / dynamic / Cardiac) studies.		
	Reconstructed Images		
	NM Study Reconstruction for dynamic / Cardiac studies		

	Key Images		
	Any images with annotations and measurements will automatically be saved as key images.		
	These key images shall be saved as key images objects as part of the DICOM record in the PACS system.		
	Image Manipulation Tools		
	An authorised user shall have the ability to window/centre the image manually controlled by mouse inputs from the user.		
	The solution shall support pre-defined window and centre settings for viewing CT studies.		
	An authorised user shall have the ability to flip the image on the horizontal and vertical axes.		
	An authorised user shall have the ability to rotate the image through 90º and 180º in the clockwise or anti-clockwise directions.		
	An authorised user shall have the ability to zoom in and out of the image.		
	An authorised user shall have the ability to pan an image that is zoomed in.		
	An authorised user shall have the ability to invert an image to a negative view.		

	An authorised user shall have the ability to perform various measurements on the system. Measurements such as distance, angle, Cobb angle, a region of interest (ROI), freehand ROI and Hounsfield units for CT are required.		
	Medical Grade Monitors		
	3 MP reporting monitor according to the DICOM part 10 standards Workstation (Monitor, keyboard, CPU,..etc)		
	The vendor shall supply 3 concurrent Nuclear Physician Licenses + 1 floating license		
	The PACS system shall allow DICOM images to be exported to an external media like CD, DVD and other external storage media on request by the user		
	The PACS application on the NM Physician workstation shall allow the user to move export selected images to JPEG 2000, TIFF, BITMAP, GIF formats, and be able to adjust the image quality.		
	The PACS application on the NM Physician workstation shall allow the user to incorporate Raster /Vector Graphics and Index colour storage.		
	A digital teaching file system option must be incorporated into the PACS.		
	Quality Assurance		
	Quality assurance calibration shall be built into monitors to perform tasks such as luminance		

	measurement and other quality assurance tests that are needed from radiation control for diagnostic monitors. Explain what solution will be included.		
	AAMP TG 18 test patterns to be included with PACS and shall always be available on cache storage, it shall also be able to view dually on both diagnostic monitors. Detail your solution.		
	L-angle distance patterns shall be included with PACS and shall aslo be available on on-line storage.		
	Dosimetry		
	The PACS system shall be able to compile a detailed radiation dose report weekly		
	The PACS system shall include Internal dosimetry software for calculation of organ doses. Detail your solution.		
	SPECT, SPECT/CT		
	The PACS system shall allow Image Fusion for SPET/CT and other modalities		
	The PACS shall support changing slab slice thickness.		
	The PACS shall support slab rendering based on maximum (MIP), minimum (MinIP) and average (AvgIP) intensity projections.		
	PET/CT		
	The PACS system shall allow Image Fusion for PET/CT and other modalities		
	SUV Measurements		
	Rotating 360° 3D MIP view of PET, CT and fused volumes		
	The PACS shall support changing slab slice thickness.		
	The PACS shall support slab rendering based on maximum (MIP), minimum (MinIP) and average (AvgIP) intensity projections.		

NO.	DESCRIPTION AND SPECIFICATION	COMPLIES YES/NO	BIDDER'S RESPONSE
	6.1.4 Enterprise clinical application		
	Multiple User Interface (UI) for Teleradiology, Clinical Viewing, Referring Physician Access and self-launching CDs		
	Internet Browser independent (i.e. work with Microsoft IE, Mozilla Firefox, Google Chrome, Apple Safari, Opera, ...etc.)		
	OS independent (i.e. works under Microsoft Windows, Mac OS, Linux, Mac iOS, Android, ...etc.)		
	Full support for iPAD/iPhone (iOS) Devices		
	Full support for Android Devices		
	Same GUI as Enterprise Clinical Applications		
	Zero-Foot-Print HTML5 Web viewer technology		
	Application need to be installed on PCs, tablets to work		
	View Patient history from PCs, tablets, ..etc.		
	Color Coded worklist display according to study status		
	Customizable Slab Scrolling		
	Privilege-based Authority to Allow Select Users to Grant Restricted Secure Temporary System Access (w/o PACS Administrator Intervention Required)		
	Key image manipulation		
	Sharing studies with other physicians (e.g. for second opinion)		
	Add Clinical Notes / preliminary reports / addendum		
	Clinical Notes – Visual Color Coded Alerts		
	Internal messaging communication between users from anywhere (with and without internet access)		

	Assigning specific studies to specific radiologists / registrars / radiographers		
	Reinfencing of emailing of cases from PACS to outside the province		
	Burning Studies to local CD/DVD solution		
	Send studies to other dicom nodes from anywhere		
	Burn studies to CD/DVD robots from anywhere		
	Import non-dicom files with the patient study from any removable media (e.g. PDF, DOC , XLS, JPEG, PNG ...etc.)		
	Scan / attach papers with the patient study from anywhere		
	Upload DICOM images from anywhere and any device		
	Multiple Studies of the same patient May Be Launched Simultaneously On The Desktop		
	Automated User designed hanging protocols		
	Automatic adjustment of screen layout according to screen orientation (e.g. Portrait , Landscape)		
	Comprehensive Annotations – Multiple Arrows, Multiple Ellipses, Multiple Circles, Multiple Rectangles, Text, Color Fill		
	Comprehensive Measurements (Distance, area, density , ...etc.)		
	Personalization (Roaming Profiles) – Preferences Travel with The User Wherever They Logon		
	Apply Different W/L Presents To Same Study Via A Study Layout		
	Paper Printing From Any PC		
	CT number measurements (Hounsfield) including region identification		
	Smart reference image for CT/MRI studies.		
	Full support of enhanced DICOM CT / MRI classes		
	2D Triangulation for CT/MRI studies		

	COBB angle measurement for CR/DR images		
	Mammography Hanging protocols		
	NM hanging protocols		
	Display of NM MPR for (static / dynamic) studies.		
	Cardiac Support – Cardiac Cauterization, Echocardiography, Color Doppler Ultrasound, Angiography, Multi-frame Ultrasound, Multi-frame NM ... etc.		
	Collaborative Clinical Notes – User/ Time/Date Stamped		
	Ability for (Privileged) Referring Physician to (Refer) Case for Consultation		
	Built in reporting tool without needing RIS presence		
	Write / read reports in English		
	Built in word processor without the need for Microsoft word		
	Zero foot print reporting that requires no installation		
	Report is a rich text report with multiple fonts, text colors, images can be inserted in report, creation of tables, ...etc		
	Multiple report templates can be stored for each user		

NO.	DESCRIPTION AND SPECIFICATION	COMPLIES YES/NO	BIDDER'S RESPONSE
	6.1.4 Enterprise Access with Tablets and Mobiles		
	Internet Browser independent (i.e. work with Microsoft IE, Mozilla Firefox, Google Chrome, Apple Safari, Opera, ...etc.)		
	OS independent (i.e. works under Microsoft Windows, Mac OS, Linux, Mac iOS, Android, ...etc.)		

	Full support for iPAD/iPhone (iOS) Devices		
	Full support for Android Devices		
	Same GUI as Enterprise Clinical Applications		
	Zero-Foot-Print HTML5 Web viewer technology		
	Search Patients (using hospital number, patient's ID, modality number and surname).		
	View history, images and reports from anywhere.		
	One view for Patient history (360 degree view)		
	View images (static, Dynamic, Multi-frame, Cine loops)		
	Read/Write Reports with templates		
	View, edit and approve online clinical request form		
	Clinicians should be able to request studies online (fill x-ray forms)		
	Zoom-Pan-Change WW/WL and B/C on the fly		
	Measurements of distance, area, angles, Hounsfield density, COBB-angles, calibrating non-calibrated images, ..etc.		
	Cross referencing CT/MRI series		
	2D Triangulation for CT/MRI Studies		
	Sending studies to dicom server or CD/DVD publishers from the web viewer		
	Support for non-dicom file attachments with the study (e.g. Word file, PDF, JPEG image, ...etc.)		
	Burn studies to local CD/DVD in PCs from the web viewer		

NO.	DESCRIPTION AND SPECIFICATION	COMPLIES YES/NO	BIDDER'S RESPONSE
	Technologists and Quality Control		
	Any DICOM monitors may become a QC Workstation		

	Dedicated QC Workstations Required(remove)		
	Technologists Customized Worklists For QC (e.g., Unread CRs, Unread MRs, Unread CTs, etc.)		
	View Images Using All Of The Tools Of The Workstation		
	W/L Images, Add Annotations Or the Measurements		
	Type In Internal Notes (Usually Just Seen By Radiology Departmental Staff) or Clinical Notes (Available For Viewing By All Authorized Users)		
	Delete Images, Series, Or Whole Studies, Provided The Technologist Has the appropriate privileges (PACS administrator)		
	Image Level QC		
	Re-Arrange Series (Ex: CR Images Were Sent In The Wrong Order)		
	Merge or Split Series Or Studies		
	Change Demographics (PACS administrator)		
	Match Studies With Orders		
	Film Studies to dicom or windows printers		
	Send Studies To An External System Via DICOM, Anonymized If Necessary		
	Burn A Study To A CD, Local To The PC, Or Via An Enterprise CD Burner		
	Assign A Study To A Specific Radiologist Worklist		

NO.	DESCRIPTION AND SPECIFICATION	COMPLIES YES/NO	BIDDER'S RESPONSE
	Enterprise Referring Physicians Access		
	Zero-Footprint application the requires no installation at client computers.		
	Operating System independent (i.e. supports Microsoft Windows, Apple Mac, iOS and Android devices).		
	Device independent (i.e. can work with PCs, tablets, mobiles, ...etc.)		
	Internet Browser independent that can work with all HTML5 compatible internet browsers (i.e. Mozilla Firefox, Google Chrome, Apple Safari, Microsoft IE , Opera browser , ..etc.).		
	Integrated One-Click, Anywhere Access to Comprehensive Online Help Documentation		
	256-Bit Encryption Over The Internet And Intranets as a Standard Feature (Https)		
	All support should be in English		
	Fast, Simple, Secure Sharing of images and reports with referring physicians.		
	Secured log-in is generated and emailed to each referring physician.		
	All physicians will have access to all cases without affecting other users studies.		
	View of patient images, information and reports.		
	Ability to add clinical notes with the studies.(remove)		
	Share studies with other users for second opinion.(remove)		

	internal messaging system to communicate with other users from anywhere in the solution.		
	Auto-Timeout Feature for Unattended Workstation		
	Auto-Logoff Feature Of Active Session Left Open		

NO.	DESCRIPTION AND SPECIFICATION	COMPLIES YES/NO	BIDDER'S RESPONSE
	Administration		
	100% web based administration of all solution components		
	Administration from anywhere and from any OS (Windows, Mac, Linux, Andriod, iOS, ...etc.)		
	Remote Diagnostics		
	Integrated One-Click, Anywhere Access to Comprehensive Online Help Documentation		
	Any PC, Anywhere, Is a PACS Administration Workstation		
	256-Bit Encryption Over The Internet And Intranets as a Standard Feature (Https)		
	Restricted Access To Select Users		
	Secure, Restricted, And Temporary Access For Care-Related Purposes That Authorized Users Can Provide, Including Radiologists (Not Just The PACS Administrator)		
	Auto-Timeout Feature for Unattended Workstation		
	Auto-Logoff Feature Of Active Session Left Open		

	Auto-Shut Down of Study List For Session Left Open		
	Full User Activity Audit Trail		
	Full Study Activity Audit Trail		
	Password Expiration (should be unique, changed quarterly and access rights)		
	Internal messaging system that allows the system administrator to send messages to all workstations without internet access.		

NO.	DESCRIPTION AND SPECIFICATION	COMPLIES YES/NO	BIDDER'S RESPONSE
	Integration		
	Support HL7 integration.		
	Support Non - HL7 / Customized integration.		
	Supports API integration		
	Supports WADO integration		
	Supports URL integration provides a simple, fast , plug-n-play integration between PACS to any RIS, EMR or HIS.		
	Support DICOM management classes		
	Supports multiple HL7 messages (e.g. ADT, ORU, ORM, ...etc.)		

NO.	DESCRIPTION AND SPECIFICATION	COMPLIES YES/NO	BIDDER'S RESPONSE
	RIS		
	LIST FLOW MANAGEMENT		
	The Radiographers PACS application shall support configurable work list management to each user's preference.		
	The Radiographers PACS application shall have the feature to search the PACS database for patients Images, outside of the RIS application.		
	The Radiographers PACS application shall allow the user to search on the following DICOM fields from within the PACS application.		
	Patient name		
	Patient Unique ID number or (LP number)		
	Accession Number		
	Study Date		
	Study Description		
	Referring Physician		
	Modality number		
	Modality		
	SSN number)Unit number		
	Patient national ID		
	ICD-10 / Diagnosis		
	The Radiographers PACS application shall allow for pattern searching within each of these fields. (Pattern searching refers to searching for a specific pattern of text or numerals, or symbols with the field).		
	The Radiographers PACS application shall allow the user to use wildcards within the search criteria.		

	The presentation of the work list to the user shall be configurable for each individual user. The following items should be possible.		
	The columns that are presented to the user should be configurable based on the DICOM tag required. Please state which fields are configurable.		
	The columns that are presented to the user shall be able, to be sorted ascending or descending.		
	The order in which the columns are displayed should be configurable.		
	The Radiographers PACS application shall open the appropriate patient images on the workstations monitors after the patient has been selected from the work list.		
	The Radiographers PACS application work list shall display the overall Patient examination history once a patient has been selected.		
	Presentation states		
	The Radiographers PACS application shall allow the user to save and label presentation states.		
	These presentation states shall be saved as a presentation state object as part of the DICOM record in the PACS system as part of the user account		
	It shall be possible for the user to make text annotations.		
	The user shall be able to change the font size and colour of the annotations.		
	The user shall be able to add "arrow" annotations to the image.		
	Multiple annotations shall be possible on a single image.		
	A pre-defined list of annotations shall be available for the user.		
	The user shall be able to edit the positions of an annotation		
	It shall be possible to show/hide annotations.		
	Spine annotations shall be possible in which the annotation automatically changes based on the previous annotation .e.g. L1 automatically changes to L2.		
	Please state any other specific annotation functions your software solution provides.		

	Annotations shall be saved as an overlay on the image		

NO.	DESCRIPTION AND SPECIFICATION	COMPLIES YES/NO	BIDDER'S RESPONSE
	6.1.11.2 Database Integrity		
	Limited to system administrators		
	The Radiographers PACS application shall allow the PACS Administrator to correct mismatched study information between the RIS application and the PACS application. Please give details how this is done.		
	The PACS Administrator PACS applications shall allow the user the ability to insure database integrity between the data on the RIS and data on the PACS system. Please give details.		
	The user interface shall be user friendly and simple to use. Please state how your solution achieves this.		
	The bidder shall provide a detailed description of the database integrity mechanism proposed in your solution.		
	Desktop Integration between RIS and PACS		
	The Radiographers PACS applications shall integrate seamlessly with the RIS application. Please give details.		
	The Radiographers PACS interface shall be a web based application.		
	Integration between the RIS and PACS shall be done via a URL linked trigger sent from the RIS.		
	This trigger shall automatically open the associated images on the PACS solution.		
	It shall be possible to access complete patient history in the PACS solution once the associated images are opened. Please give details.		

NO.	DESCRIPTION AND SPECIFICATION	COMPLIES YES/NO	BIDDER'S RESPONSE
	6.1.11.3 Advanced Image manipulation		
	Multiplanar Reconstruction (MPR)		
	It shall be possible to construct a MPR view of CT or MRI studies from within the Radiographers PACS software.		
	The user shall be able to see a least three frames		
	The three frames shall be populated by a sagittal, coronal, and axial view of the loaded study.		
	Positional correction – *Each plane is defined by its relative position in two other planes. E.g. an axial plane is defined by its relative position in both the coronal (to define the left to right angulation) and the sagittal plane (to define the anterior to posterior angulation).*		
	The PACS application shall show two orthogonal lines per plane, demonstrating the relative position of the other two planes on the current plane i.e. reference lines.		
	The user shall be able to view the orthogonal lines on all planes at all times.		
	The user shall be able hide/show the orthogonal lines.		
	The user shall have an indication of which orthogonal line is referencing which plan.		
	The angle between the plains shall always be 90 Degrees in MPR mode.		
	It shall be possible for the user to change the position of the orthogonal lines dynamically.		
	When an orthogonal line is changed the corresponding plane shall update in real time.		
	It Shall be possible to create a volume of data in any plane		

	The thickness of the volume shall be able to be dynamically adjusted by the user.		
	The user shall be able to dynamically adjust the thickness of the volume.		
	The user shall be able to choose between the following different intensity projections of the data within the volume:		
	MIP (Maximum Intensity Projection) shall be possible.		
	AveIP (Average Intensity Projection) shall be possible.		
	MinIP (Minimum Intensity Projection) shall be possible.		
	Other Multiplanar Reconstruction Modes		
	Multiplanar Reconstruction (MPR) Double Oblique		
	It shall be possible for the user to perform a MPR Double Oblique function within the Radiographers PACS Application.		
	The only difference between the MPR Double Oblique function and the standard MPR function shall be that the angle between the planes can change.		
	All other function describe in the standard MPR requirements shall be possible in the Double Oblique modes as well.		
	Please state if any functions are not possible.		
	Give Details:		
	Multiplanar Reconstruction (MPR) Curved Oblique		
	It shall be possible for the user to perform a MPR Curved Oblique function within the Radiographers PACS Application.		
	In the curved MPR Mode the user shall be able to see a least four frames.		

	The frames shall contain the sagital, coronal, and axial planes. This will be used to place the points to create the curved oblique plane.		
	The fourth frame shall contain the curved oblique plan.		
	The user shall be able to mark points on any of the planes.		
	The line connecting the points shall be created automatically.		
	The user shall be able to edit the position of any of the points already displayed.		
	The user shall be able to rotate the curved MPR using the curved oblique line as the axis of rotation.		
	It shall be possible to save any MPR from any mode to the PACS application for future review.		

NO.	DESCRIPTION AND SPECIFICATION	COMPLIES YES/NO	BIDDER'S RESPONSE
	Licensing		
	Specification		
	Give a licensing solution		
	The solution should include:		
	Standard diagnostic workstation licences for 45 users		
	Radiographer licenses for 51 users (30 concurrent users)		
	10 Voice recognition licenses		
	Advanced workstation licenses: 3 floating licenses		

	Vendors must give break down and explanation of Standard Diagnostic workstation licenses including cost per license		
	Vendors must give break down and explanation of Advanced Diagnostic workstation licenses including cost per license		
	Vendors must give break down and explanation of Radiographer workstation licenses including cost per license		
	Vendors must give break down and explanation of clerk licenses including cost per license		
	Vendors must give break down and explanation of Clinician view station licenses including cost per license		
	Vendors must give break down and explanation of PACS Administrative licenses including cost per license		
	Vendors must give break down and explanation of offsite viewing licenses including cost per license		
	Vendors must give break down and explanation of voice recognition licenses including cost per license		
	Vendors must give break down and explanation of orthopaedic planning and reconstruction licenses including cost per license		
	Vendors must give break down and explanation of all special advanced reconstruction and 4D licenses e.g. functional MRI, Cardiac etc. including cost per license		
	Vendors must give break down and explanation of Floating licenses including cost per license		
	State whether unlimited on site viewing licenses is available including cost per license		
	State whether other licensing possibilities is available that are not stated here in this document. Give an explanation and break down of these licenses including cost per license		

NO.	DESCRIPTION AND SPECIFICATION	COMPLIES YES/NO	BIDDER'S RESPONSE
	Digitizing of existing film		
	The existing digitizer should be connected to PACS		
	The bidder should be able to upgrade digitezer if need be or for the duration of the tender		

NO.	DESCRIPTION AND SPECIFICATION	COMPLIES YES/NO	BIDDER'S RESPONSE
	Storage and backup **SERVER**		
	Supply a solution document containing the architecture of your server and archive design.		
	Give detail on how storage of data is calculated e.g. price is per study or price per Gb		
	Two server rooms must be supplied: The primary/production server room will be based in the radiology department on the hospital premises. A back up (secondary) server must be cloud based.		
	A vendor neutral archive must be supplied for Radiology and Nuclear medicine images.		
	A vendor neutral archive must be scalable to upgrade to other departments e.g. Pathology		
	The hardware, server and network must be adequate to deliver a fully functional system that can handle all processes and that complies with the required functions and speed described in this document e.g. opening of images in 3 sec.		

	Any hardware supplied must be the latest technology (CPU processor, RAM, Storage disc etc.)		
	Enough storage must be available for the duration of the contract.		
	Data storage planning must be able to accommodate all studies.		
	Data usage and capacity must be reviewed yearly and server storage capacity must be adjusted accordingly. Give a solution on how this will be done		
	The system database and server room shall have a capacity scalable to store 10 years of exam information based on the annual produced volume. This database refers to the demographics and study related information, and not the actual image data storage and archive.		
	There must be a high availability on the whole solution to be offered. Redundancy referrers to the overall uptime of the system being able to meet the SLA of 99.9%.		
	There shall be high availability of the hardware, software and database of the PACS main server, archive and back up servers supplied.		
	Please give details of how this is achieved.		
	Vendors shall provide a full diagram and description of their whole solution including RIS-PACS, integration with MEDICOM, existing film digitization, archiving options, server details, and VNA - vendor neutral archiving.		
	Vendors shall provide a solution that complies with the SLA requirements described under the heading "Section Maintenance & SLA"		
	In the event of a failure within the system, the system will automatically alert the PACS administrator and vendor of potential problem (monitoring system)		
	Please describe how this early warning system works within your solution.		
	A full Disaster Recovery solution shall be provided. This implies that a separate backup server shall be provided in a separate location elsewhere. In the case of a complete disaster of the primary server/ archive the disaster recovery solution shall provide the radiology department with a working server solution within 24 hours. This solution shall provide the same functionality as the primary server. Maintenance and monitoring must be the same as the main server		
	Please give details of your solution.		
	The production server and Disaster recovery must preferably be in a virtual environment		

	The storage system shall tolerate the failure of a single disk drive without loss of data. The storage should utilise RAID 5 configurations (or equivalent, give details)		
	The storage system shall remain operational in the event of the failure of a single disk drive. The storage should provide for “hot swappable disk drives” to replace without switching the system down and must have a hot spare		
	Based on the statistical information and notes made in section "STATS", vendors are required to state their expected accumulative server size for the full 10-year period. Data storage capacity must be planned for all the studies.		
	Vendors are also required to state how this will be implemented. All at time of implementation or staggered over the period of the contract.		
	Vendors shall be responsible to liaise with modality suppliers and ensure correct connection of all modalities to the PACS server.		
	Both the server solution and disaster recovery solution provided shall store their image data on spinning disk.		
	Vendors should ensure smooth transition from server when there is power-outages. Configuration should be streamlined to switch over.		
	Vendors should supply the in line UPS for the server.		
	Maintenance and function of the UPS for RIS/PACS servers to be responsibility of vendor for the duration of the contract		
	Electrical Connection done with both parties (hospital electrician and Vendor) present		
	Vendors should supply air conditioner for the primary and backup server rooms, and maintain them for the duration of the contract		
	Give specifications for the air-conditioner		
	Specify power requirements for the server room		
	Give recommendation for university based back-up server room		

NO.	DESCRIPTION AND SPECIFICATION	COMPLIES YES/NO	BIDDER'S RESPONSE
	Definition of different types of workstations and overview of Hardware for each		

	Standard Diagnostic workstation (radiographers 21inch)		
	2 x 3 MP monitors (one set) 21.3 inch PACS component (Viewing) plus annual QA		
	2 x 5 MP monitors (one set) 21.3 inch PACS component (Viewing) plus annual QA		
	21" monitor for RIS component (reporting + UPS min of 30min on full operational mode, Li-battery)		
	CD burner Robot		
	Scanner flat bed scanner upto 600 x 1200 DPI optical resolutuion		
	,3in1 desktop Printer)copy, scan & print, print upto 4800x1200 dpi resolution IPM for black, 4IPM for colour printing, flat bed scanner upto 600 x 1200 DPI 7,7 optical resolutuion. Standard copying features with zoom adjustment from 25 to Wireless USB and mobile app support, LAN, 2 paper .%400		
	,Laptops)16 display screen, touch display, Intel Core I7 12700H Processor ,Nyidia Geforce RTX, 3060 6GB, 1TB SSD Storage, 32GB RM, Windows 11 Pro Dark Green, Ideal for Graphic Deisgn, Programming, Web Development, Video ,Prodoction , backlit keayboard		
	Tablet) With huge 13MP rear camera, curved edges and and a unique 7:5 ,aspect ratio, , and the one plus bold statement and with video and e-books , ,inch and 144 Hz display, with egen, 3cpu 12,1		
	Industrial and medium sticker printers (supports thermal transfer or direct thermal printing with resolutions of 203pdi or higher , must be able to connect to USB, Bluetooth, LAN, Wifi, easy to use software for intergration with the hospital system, sticker size 100x150mm, must accoomodate media sizes up to 210mm in diameter, minimum print speed of 6inch per second, equiped with miniumum , , of 32MB, SDRam and 16MB flash ROM		
	256 RAM or higher.		
	Hard drive must be enough for the workstation to work optimally, at least 250 GB HHD partitioned, or better		
	workstation CPU with DVD/CD writer; UPS; network connection; keyboard and optical mouse, and microphone for voice recognition (Dictaphone)		

	Support both pure web based operation and non-web operation		
	Internet browser independent		
	Single user interface for Tele-radiology, diagnostic workstations, clinical viewing, referring physician access and self-launching CDs		
	Allows patient history to be viewed from both PCs, and mobile devices		
	Customized slab scrolling		
	Cardiac support- cardiac cauterization, echocardiography, colour Doppler ultrasound, angiography, multi-frame ultrasound, multi-frame NM		
	Multiple studies may be launched simultaneously on the desktop		
	One click embedded 3D: within the same user interface		
	Automated User designed hanging protocols		
	Prioritized, Automatic Delivery of All Study Types and Relevant Priors to the Desktop over WAN/LAN		
	Windows May Be Asymmetrically Sized for Optimal Window Layouts [Elongated Rectangular Sagittal Views plus Square Axials]		
	Automatic adjustment of screen layout according to screen orientation (e.g. Portrait , Landscape)		
	Workstation Display Auto-Sensing (Automatically Adjusts Study Layout Based Upon Available Number of Workstation Displays – Example: Home vs. Office vs. Clinical Viewing)		
	Image Enhancement – Multiple Image Sharpening/smoothing Tools		
	Configurable (Exit Study) Features		
	Return to Original Study Format		
	Comprehensive Annotations – Multiple Arrows, Multiple Ellipses, Multiple Circles, Multiple Rectangles, Text, Color Fill		
	Comprehensive Measurements (Distance, area, density.)		
	True Image Size Display and Print		
	Calibrate Display to Size of Known Object		
	Personalization (Roaming Profiles) – Preferences Travel with The User Wherever They Logon		
	One-Click Access To Multiple Presentation States and Study Layouts Per Study, Per User		

	Customizable Study Layouts		
	Additional Depth of Study Layout Criteria – Multiple Reference Points Especially for MR (e.g., TE, TR)		
	Apply Different W/L Presents To Same Study Via A Study Layout		
	Film Printing (DICOM) From Any PC		
	Paper Printing From Any PC in radiology department		
	Single click export of Anonymized Study to Power point presentation		
	Privilege-based Authority to Allow Select Users to Grant Restricted Secure Temporary System Access		
	(w/o PACS Administrator Intervention Required for deleting and amending studies)		
	Key image manipulation		
	Mammographic workstations		
	5 MP monitors 21.3 inch PACS component (Viewing)		
	19" monitor for RIS component (reporting)		
	The RAM must be enough for the workstation to work optimally. (Biddder to state RAM size offered)		
	Hard drive must be must be enough for the workstation to work optimally, at least 250 GB HHD partitioned, or better		
	workstation CPU with DVD/CD writer; UPS; network connection; keyboard and optical mouse, and microphone for voice recognition		
	Mammography hanging protocols		
	Mammography CAD overlay display		
	Auto crop of image surrounding		
	Smart inversion of image without background		
	Screen technology: LED		
	Active screen size (diagonal): 540.9 mm (21.3”)		
	State the Active screen size (H x V)		
	State the Aspect ratio (H:V) e.g. 5:4		
	Resolution 5MP		
	state Resolution (prefer 2560 x 2048 or better)		

	state Pixel pitch (prefer 0.1650 mm or better)		
	Color imaging: Not required		
	Gray imaging: Yes		
	Number of grayscales (LUT in/LUT out) ≥ 1024 gray levels (10/12)		
	Viewing angle (H, V) (prefer 170° or better)		
	Must have Uniform Luminance Technology (ULT): state		
	Per Pixel Uniformity (PPU): state		
	Ambient Light Compensation (ALC): state		
	Backlight Output Stabilization (BLOS): state		
	automatic adjustment of luminance output		
	Maximum luminance at least 1000 cd/m²		
	State Maximum luminance 1100 cd/m² (preferred)		
	state DICOM calibrated luminance (ULT off) preferred 500 cd/m²		
	Contrast ratio (ULT off) at least 600:1		
	state contrast ratio		
	Response time (Tr + Tf) 36 ms (preferred or better)		
	Video input signals DVID		
	Dual Link / DisplayPort (per display)		
	USB ports state: upstream (endpoint) and downstream		
	USB standard 2.0		
	Power consumption (nominal) 70W: State		
	Power save mode		
	Dimensions with stand (W x H x D): state		
	Dimensions w/o stand (W x H x D) Portrait: state		
	Net weight with stand		
	Screen protection Protective, nonreflective glass cover		
	state Certifications		
	Supplied accessories User Guide		
	Quick Installation		

	Video cables (1 x DVI Dual Link + 1 x DisplayPort)		
	USB 2.0 cable		
	External power supply		
	QA software - web based s		
	Workstation CPU for both 3 and 5 MP stations:		
	For the Radiologists workstation a high powered processor using the latest available technology shall be supplied ensuring optimal function of the soft ware		
	The processor shall be capable of processing large data sets.		
	Latest available technology at the time of awarding the tender shall be used.		
	The RAM must be enough for the workstation to work optimally. A minimum of 8 GB of RAM Shall be supplied.		
	Hard drive must be must be enough for the workstation to work optimally, at least 250 GB HHD partitioned, or better		
	workstation CPU; network connection; keyboard and optical mouse, and microphone for voice recognition		
	Workstation DVD/CD Drive:		
	The radiologist's workstation a CD/DVD rewrite drive combination drive shall be supplied.		
	It shall be possible to write CD's.		
	It shall be possible to write DVD's		
	The vendor should ensure power supply to all workstations - e.g. UPS		
	Give us your solution - e.g. UPS to cover diagnostic workstations.		
	Network connection		
	The Radiologists workstation shall be capable of connecting to the network with at least 10 Gigabyte network connection.		
	Keyboard and Mouse		
	The radiologist workstation shall be supplied with an ergonomically designed keyboard.		
	The workstation shall be supplied with an ergonomically designed optical mouse.		
	The mouse shall have a scroll wheel which serves as a button as well.		

	Microphone		
	Microphone for voice recognition shall be supplied including a microphone holder		
	Built-in streamlined Digital Teaching file system package shall be included		
	Give us a detailed teaching file solution.		
	clerk workstations		
	19" standard monitor for RIS component (Scheduling, registration)		
	Workstation CPU; UPS; network connection; keyboard and optical mouse.		
	The RAM must be enough for the workstation to work optimally (Biddder to state RAM size offered)		
	Hard drive must be must be enough for the workstation to work optimally (Biddder to state HDD memory size offered).		
	Clinician workstations		
	19" standard monitor for viewing, images and accessing reports		
	Workstation CPU; DVD/CD writer, UPS; network connection; keyboard and optical mouse.		
	The RAM must be enough for the workstation to work optimally (Biddder to state RAM offered).		
	Hard drive must be must be enough for the workstation to work optimally (Biddder to state HDD memory size offered).		
	Theatre workstations		
	42" HD monitor for viewing, images and accessing reports		
	Workstation CPU; DVD/CD writer, UPS; network connection; keyboard and optical mouse.		
	The RAM must be enough for the workstation to work optimally (Biddder to state RAM offered)		
	Hard drive must be enough for the workstation to work optimally (Biddder to state HDD memory size offered).		
	PACS Administration workstations		
	19" standard monitors		
	The RAM must be enough for the workstation to work optimally. (Bidder to state ram offered).		

	Hard drive must be must be enough for the workstation to work optimally (Biddder to state HDD memory size offered).		
	Workstation CPU with DVD/CD writer; UPS; network connection; keyboard and optical mouse.		

NO.	DESCRIPTION AND SPECIFICATION	COMPLIES YES/NO	BIDDER'S RESPONSE
	Hanging Protocols		
	When using the basic image manipulation app on a multi-monitor workstation, the user will be able to use hanging protocols. When using a single-monitor display it will be displayed according to the last and highest ranking presentation state, saved by a previous user.		
	The Hanging Protocols shall be configurable based on the following criteria.		
	User defined hanging protocols shall be available to a specific user.		
	System wide define hanging protocols shall be available to all users.		
	The configurations of the Hanging protocols shall include the ability to change the screen layouts to user define layouts		
	It shall be possible to change the layouts per monitor.		
	It shall be possible to change the layouts across monitors. Hanging protocols must load selected image display features automatically, for instance- reference lines, synchronisation, zoom and pan, mirror image.		
	It shall be possible to configure what is displayed in each segment of the display layout selected. Hanging protocols must load the advanced image manipulation application, and it must be a multi-modality hanging protocol.		
	Which images are hung in which segment shall be configurable based on the following criteria.		
	Study date		
	Study time		
	Body part		
	The presence of previous patient examinations		
	Modality		

	Windows level		
	Examination type		
	Presentation states		
	Prior vs current		
	Series description		
	Study description		
	Body position		
	Laterality		
	The Radiologist PACS application shall allow the user to save and label presentation states.		
	These presentation states shall be saved as a presentation state object as part of the DICOM record in the PACS system		
	The user shall be able to change the font size and colour of the annotations.		
	The user shall be able to add "arrow" annotations to the image.		
	Multiple annotations shall be possible on a single image.		
	A pre-defined list of annotations shall be available for the user.		
	The user shall be able to edit the positions of an annotation.		
	It shall be possible to show/hide annotations.		
	Spine annotations shall be possible in which the annotation automatically changes based on the previous annotation .e.g. L1 automatically changes to L2.		
	Please state any other specific annotation functions your software solution provides.		
	Annotations shall be saved as an overlay on the image		

NO.	**DESCRIPTION AND SPECIFICATION**	**COMPLIES YES/NO**	**BIDDER'S RESPONSE**
	Workflow and X-ray forms (electronic)		
	Workflow		

	The system shall support comprehensive status monitoring & tracking of the patient, examination requests, scheduled appointments, examination / procedure & report by maintaining status flags (& recording date / times) for the entire lifecycle of the patient event. Timing and status events should be obtained electronically from the equipment where possible.		
	The following events shall be available and viewable from the RIS in real time:		
	Electronic requests (order entries) must be possible		
	Electronic requests should be made via the HIS system.		
	Give a solution for electronic requests. How electronic requests can be reviewed, approved and scheduled.		
	Date and time of the scheduled appointment		
	Data and time the schedule appointment was made		
	Appointment / procedure cancelled		
	Patient arrived		
	Examination started – this should be via DICOM MPPS from the modality integration		
	Examination completed - this should be via DICOM MPPS from the modality integration		
	Allocated: The RIS work flow should allow for Radiographer and consultant to be able to allocate a case to a specific Dr for reporting. This should then show up on that Dr's work list.		
	Explain how Allocation of examinations work on your RIS		
	Shared: The RIS work flow should have the capability to share an examination with another Dr for review/ verification.		
	Explain how Sharing function works on your RIS		
	Report transcribed		
	Report verified - This should be from the PACS system		
	Report approved by radiologist		
	Report archived - This should be from the PACS system		
	Result sent electronically and received		

	Result received		
	Patient completed billed / invoiced etc.		

NO.	DESCRIPTION AND SPECIFICATION	COMPLIES YES/NO	BIDDER'S RESPONSE
	PACS Administrator		
	PACS Admin Hardware		
	Monitors		
	The 23” monitors shall be LCD monitor.		
	The wall mounted monitors 75” LCD monitor.		
	The 23” monitor shall be colour monitor		
	The size of the monitor shall be 23'' or larger		
	The pixel resolution of the 23” monitor shall be at least 1.3 MP. (HDTV)		
	The 23” monitor shall be able to tilt on the horizontal axis. Please state tilt angle.		
	The refresh rate of the 23” monitor shall be at least 75Hz. Please state refresh rate.		
	All graphics cards, connection cables, and power cables shall be supplied with the monitor.		
	Workstation CPU		
	For the PACS administrator workstation a high powered processor using the latest available technology shall be supplied.		
	Latest available technology at the time of awarding the tender shall be used.		
	A minimum of 4 Gigabytes of RAM Shall be supplied.		
	Laptop/ Tablet (iPad) with LTE and 3G connection shall be provided by vendor for remote access to system. (latest technology) Give your solution in detail.		
	Workstation DVD/CD Drive		
	For the PACS administrator workstation a CD/DVD rewrite drive combination drive shall be supplied.		
	It shall be possible to write CD and DVD's , and other external storage media.		

	UPS		
	The PACS administrator workstations shall be supplied with their own standalone UPS.		
	The UPS shall be capable of initiating an automatic clean shutdown of the Radiologist workstation when a no power situation is detected.		
	Network connection		
	The PACS administrator workstation shall be capable of connecting to the network with at least 10 Gigabyte network connection.		
	Remote access must be available for the PACS Administrator, Consultants, AD's - must be Password controlled.		
	Keyboard and Mouse		
	The PACS administrator workstation shall be supplied with keyboard.		
	The PACS administrator workstation shall be supplied with an optical mouse.		
	3 in 1 Printer		
	PACS Administrator Software **Quantity**		
	The PACS administrator software shall allow the PACS administrator all the software functions described under the heading “Radiologist Software”. (Basic image manipulation applications)		
	The PACS administrator software shall allow the PACS administrator all the software functions described under the heading “Radiographers Software”.		
	The PACS administrator software shall allow the PACS administrator all the software functions described under the heading “Clinicians Software”.		
	User accounts		
	The PACS administrator software shall allow the PACS administrator to create, edit and manage username and passwords.		
	The PACS administrator software shall allow the PACS administrator to manage what functionality is available to which user type. Please give details of what functionality can be controlled.		
	Software shall have audit trail function for users		
	Statistics		

	The PACS administrator software shall allow the PACS administrator to pull statistics on how many examinations/patients are being stored in the archive. Please give details.		
	The PACS administrator software shall allow the PACS administrator to see statistics on storage space and storage utilization. Please give details.		
	Shall allow administrator to create statistics as defined (per procedure, modality, time, clinician, department, patient type/ status, ICD-10 diagnosis etc.) Please give details		
	The PACS administrator software shall allow the PACS administrator to see statistics on user usage.		
	Dosimetry		
	Database Integrity		
	The PACS administrator interface shall allow the user to correct mismatched study information between the RIS application and the PACS application. Please give details.		
	The PACS administrator interface shall allow the user the ability to insure database integrity between the data on the RIS and data on the PACS system. Please give details.		
	PACS administrator shall have ability to correct examinations that were incorrectly attached to patient/ accession number		
	The PACS administrator interface shall be user friendly and simple to use. Please state how your solution achieves this.		
	Database integrity checks shall happen in the background and not hamper the performance of the system.		
	PACS administrator shall be able to view changed data(which user) see current (new) text + original text.		
	Importing Data		
	PACS administrator shall be able to create a MWL(Modality worklist) for digitizer		
	Shall be able to create incidences within the RIS. These incidences shall be used to link images imported into PACS with RIS		
	Business Intelligence		
	PACS administrator shall be able to create reports from any location he/she has access to the PACS/RIS solution		

	System shall allow communication. (sms, mms, ims, Skype). Please provide details.		
	PACS administrator shall be able to configure which reports is generated and when the reports are generated.		
	Automatically generated alerts shall be communicated (SMSed) to PACS administrator		
	Training		
	Vendor shall provide 4 full time on-site PACS administrators for the duration of 12 months (covering 24hr service)		
	Vendor shall provide recognised PACS administration training on an ongoing basis and as required for the duration of the contract.		

NO.	DESCRIPTION AND SPECIFICATION	COMPLIES YES/NO	BIDDER'S RESPONSE
	DICOM Printing		
	All Diagnostic/ Radiographer workstations		
	Limited to authorised users /authorisation rights		
	Authorized users may print to a DICOM printer from the basic image manipulation application.		
	The Radiographers PACS application DICOM print interface shall allow the user to select customizable layout formats.		
	Please list the available print layouts your PACS application supports.		
	The Radiographers PACS application DICOM print interface shall allow the user to Select different film sizes.		
	One film must be able to print multiple images e.g (layout 5 x 5)		

NO.	DESCRIPTION AND SPECIFICATION	COMPLIES YES/NO	BIDDER'S RESPONSE
	Teleradiology		

	System shoud be able to send to outsourced specialist for reporting		
	Shoud protect patients personal information		
	The report should be stored and with easy access		
	It must be DICOM compartable		
	Seamless intergration with PACS		
	Remote aceess support 24/7		
	Should be licsensed		
	Security use VPN or private network to protect data during transmission		