



# PRE-BID DOCUMENT

**ZNB 10042/2021-H:**

## **SUPPLY, DELIVERY, INSTALLATION, DEMONSTRATION AND COMMISSIONING OF MULTI-PURPOSE CEILING SUSPENDED XRAY TUBE SYSTEM WITH DUAL DETECTOR FLAT PANEL SYSTEM AT VARIOUS INSTITUTIONS (RAD 30)**

### **BIDDER TO NOTE THE FOLLOWING**

#### **PRE-BID MEETING DATE AND TIME:**

**Date: 01 December 2021 TO 02 December 2021**

**Time: 10: 00AM**

Due to the Covid-19 Pandemic, the Department of Health will be conducting the Pre-bid meeting via the MsTeams platform.

The link for the MsTeams meeting will be provided to all service providers who have confirmed their attendance to the meeting on this email (**Tenders@kznhealth.gov.za**) by no later than the **29 November 2021**.



**KWAZULU-NATAL PROVINCE**

HEALTH  
REPUBLIC OF SOUTH AFRICA

# **ZNB 10042/2021-H: SPECIFICATION**

**PROVINCE OF KWAZULU-NATAL**

**DEPARTMENT OF HEALTH**

**HEALTH TECHNOLOGY SERVICES  
(H.T.S. – RADIOLOGY SERVICES)**

**SPECIFICATION FOR:  
MULTIPURPOSE CEILING SUSPENDED X –RAY TUBE SYSTEM WITH DUAL DETECTOR FLAT PANEL SYSTEM**

**SPECIFICATION: RAD 30 – (RADIOLOGY)**

**NB: GENERAL CLAUSES THAT DO NOT APPLY TO THE EQUIPMENT OFFERED MUST BE ANSWERED “COMPLIES”, “DOES NOT COMPLY” OR ANSWER THE QUESTION UNDER BIDDERS COMMENTS.**

<b>NO</b>	<b>SPECIFICATION</b>	<b>BIDDERS COMMENTS: STATE “COMPLIES” OR “DOES NOT COMPLY” OR ANSWER THE QUESTION.</b>
<b>Clause G1</b>	<p>The space provided under “Bidder’s Comments” for each clause must be used for this purpose. Bidders who neglect to provide answers to every Clause in this Bid Specification will be disqualified. Bidders must note that abbreviated answers e.g. N/A etc. will not be accepted.</p> <p>Bidders must also note that no part of any clause/s in this Bid Specification may be altered. Where there are traces of alterations found to any clauses in this Bid Specification during Adjudication, the Adjudication Committee will reserve the right to disqualify the bidder.</p> <p>The Bidder must clearly indicate if their offered product complies with the stated requirements, by indicating, “Complies” or “Does not comply” or answer the question next to the corresponding clause.</p>	
<b>Clause G2</b>	All responses must be clear and legible.	
<b>Clause G3</b>	<b>GUARANTEE:</b>	
<b>Clause G3.1</b>	All Equipment, Materials and Workmanship provided under this Contract must be Guaranteed for a minimum period of twenty four (24) Months. The successful bidder must arrange with the respective Hospital / Institution and the Health Technology Services before Commissioning the Equipment at the respective Hospital / Institution. The bidder to note that the Guarantee period must only take effect upon successful Commissioning at the respective Hospital / Institution and successful test and acceptance by the Health Technology Services.	
<b>Clause G3.2</b>	State percentage guaranteed up time of machine (Should be at least 99%).	
<b>Clause G3.3</b>	The recommended number of services, per annum, by the manufacturer, must be included during and up until the end of the guarantee period and all costs related to the provision of such service/s will be for the bidders account.	
<b>Clause G3.4</b>	The bidder must state the number of services that will be provided during and up to the end of the guarantee period.	
<b>Clause G3.5</b>	Any breakdown during the guarantee period must include all cost (spares, labour, travelling and sundries) for any prescribed maintenance services (major and minor) as well as any QA testing that is required by Department Health’s Radiation Control Board during the guarantee period.	
<b>Clause G3.6</b>	Travelling and Travelling Time costs must be included during the Guarantee Period?	
<b>Clause G3.7</b>	Spares that may be required during the Guarantee Period will be supplied at the expense of the bidder.	
<b>Clause G3.8</b>	Downtime during the Guarantee Period must extend the Guarantee time on a Day-to-Day basis.	
<b>Clause G3.9</b>	Any repetition (twice or more) of the same type of fault that first occurred during the guarantee period must be considered as a repair under guarantee if it occurs within the first year after the expiry of the guarantee period.	
<b>Clause G3.10</b>	The same guarantee conditions must apply to replacement units.	
<b>Clause G4</b>	The successful bidder must Supply, Deliver, Commission and install the Equipment and will be required to demonstrate the product to the applicable Staff at the Institution and costs for the abovementioned must be included in the final bid price.	
<b>Clause G5</b>	Bidders must offer the Health Technology Service’s In House Technicians a	

NO	SPECIFICATION	BIDDERS COMMENTS: STATE "COMPLIES" OR "DOES NOT COMPLY" OR ANSWER THE QUESTION.
	demonstration of the product, which will enable the Health Technology Service's In House Technicians to become acquainted with the equipment during the Test and Acceptance phase.	
Clause G6	Preference may be given to a make and model that has been technically and clinically evaluated by a Government Institution within the R.S.A. (Attach proof of evaluation where applicable).	
Clause G7	The successful bidder must provide the Health Technology Service's in house Technicians, <b>full training</b> in the calibration, maintenance, service and repair of the product down to PCB Level. N.B. The quality and level of the training must be equivalent to the manufacturer's original factory training and any costs incurred to provide this training will be for the bidders account. A Certificate of Competency must be issued on completion of the training. The Training must be provided by the successful bidder to the Health Technology Services within three months from date of initial supply and delivery of the equipment to the end user.	
Clause G8	<b>SERVICING:</b>	
Clause G8.1	The bidder must have a well-established service and repair facility in KwaZulu-Natal, to service, repair and calibrate the equipment offered. (The Health Technology Services reserves the right to inspect the premises).	
Clause G8.2	If the service is subcontracted to a local service agent, a signed copy of the letter of appointment by the bidder and acceptance by the subcontractor must be submitted with this bid / quotation. (The Health Technology Services reserves the right to inspect the premises).	
Clause G8.3	State Number of other medical equipment "Repair & Service" Agencies (excluding your Agency) represented by the subcontractor.	
Clause G8.4	Supply the Name, Address and Telephone Number/s of the Local Service Department within KwaZulu-Natal.  <b>Please supply details as follows:</b>  <b>Company name</b> : _____  <b>Physical Address</b> : _____ _____  <b>Telephone Number/s</b> : _____ <b>Fax number</b> : _____ _____  <i>(The Health Technology Services reserves the right to inspect the premises).</i>	
Clause G8.5	State if the Technician(s) are in the direct employ of the bidder or a subcontractor.	
Clause G8.6	The bidder must supply information on the number of Technicians permanently working in KwaZulu-Natal and their names and contact Telephone Number/s must be listed (Directly employed or subcontracted) in an annexure to the bid document.	
Clause G8.7	The Technician(s) must be original equipment manufacturer trained to deal with the service, repair and calibration of the equipment quoted on. <b>N.B. Proof of original equipment manufacturer training must be submitted with this bid / quotation offer.</b>	

NO	SPECIFICATION	BIDDERS COMMENTS: STATE "COMPLIES" OR "DOES NOT COMPLY" OR ANSWER THE QUESTION.
Clause G8.8	The Institution's requirement is that a technician is available within a reasonable time (24 hours) to attend to malfunctioning equipment. The Bidder to state the technician per install base e.g. equipment ratio to technician ratio, e.g. 1 technician per 10 pieces of equipment.	
Clause G9	The bidder must Guarantee that no additional equipment will be required for the successful operation of the equipment bided for on delivery and commissioning at the customers site. A starter pack of all essential accessories and disposables must be supplied so that the unit can be put into immediate operation. The cost of the starter pack must be included in the final bid price.	
Clause G10	Optional accessories must be offered for separately on the Schedule of optional accessories found at the end of this Technical specification, indicating catalogue numbers, correct descriptions and Prices inclusive of V.A.T.	
Clause G11	Bidder must state the period of time for delivery of Spare parts following the receipt of an official order as follows: 0 to 10 days; 0 to 20 days; 0 to 30 days; 0 to 60 days; 0 to 90 days; more than 90 days.	
Clause G11.1	The Bidder must supply with this offer a list together with the quantities of spares held locally in stock in the KwaZulu-Natal Province on the offered product. The Health Technology Services reserves the right to inspect the premises to verify the spares stock held.	
Clause G12	The bidder must include a firm commitment in writing, which must be attached with this bid that they would supply spares, components, upgrades, complete original service / repair manual, technical support and ongoing training support for technical staff of the Health Technology Services and the end users Department of Health, KwaZulu-Natal throughout the life cycle of the equipment offered.	
Clause G13	Spares must be available for 10 (Ten) years from the original equipment manufacturer for the product offered.	
Clause G14	<b>The successful bidder must include in their offer at no extra cost to the final bid price:</b>	
Clause G14.1	Complete user Operation / Maintenance Manual x 2 (two) Book / File; CD; DVD copies in English Language.	
Clause G14.2	Complete <b>ORIGINAL</b> Service / Repair Manual x 2 (two) Book / File; CD; DVD copies in English Language which <b>MUST</b> include the following information: Fault Finding Guide, Circuit Diagrams / Schematics, Circuit Descriptions, and <b>PCB</b> Layouts, Calibration Guide, Part Numbers and exploded diagram of Mechanical Parts / Panels.	
Clause G14.3	All the above Manuals must be properly bound in either a Book, File or CD form.	
Clause G14.4	The Bidder must supply all software (including software-keys and / or passwords) to allow for trouble shooting (fault-finding), maintenance, calibrations, repairs and services at no additional cost.	
Clause G15	Does your Company have an after hour service back up facility.	
Clause G16	If the equipment is taken away for repairs, a loan set must be made available on request to the end user by the Institution until the Institution's unit is returned. All costs incurred for providing the loan unit must be for the bidders account.	

NO	SPECIFICATION	BIDDERS COMMENTS: STATE "COMPLIES" OR "DOES NOT COMPLY" OR ANSWER THE QUESTION.
Clause G17	Bidder must bid on the latest model and Technology that fully complies with this Technical Specification.	
Clause G17.1	The Bidder must state how long this technology has been commercially available (state when the model offered was launched).	
Clause G17.2	The bidder must state if there are any near future updates expected.	
Clause G18	The successful bidder must maintain a system for notifying and providing users with Updates, Modifications, new Software Releases and Recalls.	
Clause G19	The successful bidders must arrange for an acceptance test of the equipment with the Manager of the Health Technology Services and the Hospital Manager. A copy of the original answered Specification, copy of the invoice order and relevant paperwork (PH form) from the receiving Hospital must be submitted with the equipment when the <b>ACCEPTANCE TEST</b> is to be undertaken.	
Clause G20	Where equipment bided for, operates off 220 Volt, 50Hz a.c. supply, bidder must ensure that the product being quoted for is fitted with a 15 Amp approved mains plug top, which is held together by two screws.	
Clause G21	The unit must comply with an acceptable International Electrical Safety Standard such as <b>IEC 60601-1</b> and <b>60601-1-2</b> for Medical Equipment where the quoted equipment operates off an electrical supply.	
Clause G22	<b>All equipment, the installation and any alteration / additions must comply with:</b>	
Clause G22.1	The Occupational Health and Safety Act (1993);	
Clause G22.2	The wiring code S.A.N.S. 0142.	
Clause G23	Units being quoted for must be CE Certified. (Attach a copy of certification). The make and the model offered must be reflected on the certificate.	
Clause G24	The Mains Cable of the unit being quoted for must be the Hospital Grade Type and it must be a minimum length of (3) three metres. N.B. The mains cable of the unit being quoted for must be S.A.N.S. colour coded.	
Clause G25	The equipment being quoted for must be protected against Electro magnetic Interference.	
Clause G26	Only new equipment must be quoted for. Refurbished and reconditioned equipment being quoted on will not be accepted.	
Clause G27	Bidders must note that dedicated test equipment, spare parts and any special tooling required for the upkeep and maintenance of the equipment quoted on must be available to the Health Technology Services to procure if requested.	
Clause G28	All the necessary calibration and maintenance software, where applicable, required to maintain and calibrate the equipment, must be supplied with the equipment to the Health Technology Services at no extra cost to the final bid price.	
Clause G29	<b>NB. HAZARDOUS SUBSTANCE ACT:</b>	
Clause G29.1	If this type of equipment / apparatus appears on the schedule of Hazardous Substances issued by the Directorate: Health Technology of the Department of Health, a license in terms of the Act on Hazardous Substances (Act. 15/1973) must be submitted with this bid document. The license must be registered under the bidders name or a letter of joint venture must be submitted by the license holder where the license is not in the name of the bidder. Bidders that neglect to submit a license will not be considered.	

NO	SPECIFICATION	BIDDERS COMMENTS: STATE "COMPLIES" OR "DOES NOT COMPLY" OR ANSWER THE QUESTION.
Clause G29.2	Bidder must state the Radiation Control licence number of the make and model of equipment offered.	License No: _____
Clause G29.3	Where it has been established by the bidder that the equipment offered does not require Radiation Control licence, proof from the Radiation Control authority must be submitted with this bid document.	
Clause G30	The system offered must comply fully with or exceed all of the minimum specification requirements per the Technical Clauses.	
Clause G31	The offer submitted must be supported by descriptive literature, colour pamphlets, colour brochures and technical data sheets applicable to the offer (i.e. supporting information for all components of the system) must accompany the bid, failing which the bid will <u>not</u> be considered.	
Clause G32	The equipment and any accessories ordered from the successful bidder will be delivered, installed, tested, calibrated, demonstrated (including specified training) and commissioned in the specific Hospital at the expense of the successful Bidder, prior to full payment being made.	
Clause G33	All prices are to include V.A.T. and must be quoted in the South African currency. The price must be valid for a period of 180 days from closing date of bid.	
Clause G34	If the product offered is unknown to the Department, the Department reserves the right to have the unit evaluated by a team of Technical and Clinical <u>experts</u> with regards to its functionality, performance and quality. The decision of this committee will be used as a motivation for the evaluation and recommendation of the bid. For this reason a demonstration unit must be readily available within 14 days, or the bidder must take arrangement for demonstration with representatives of the Department for the equipment offered at a site within South Africa where a same make and model of unit is installed and is in full clinical operation. The cost of this site visit is for the account of the bidder and it must therefore not place any obligation on the Department to procure from the bidder.	
Clause G35	The Institution requesting the unit reserves the right to clinically trial and evaluate the unit in order to ensure that the unit meets the clinical requirements of the Department before adjudication of the bid.	
Clause G36	<b>UPGRADEABILITY WHERE APPLICABLE:</b>	
Clause G36.1	Bidders are to state the policy with regard to future software updates and the costs that will be involved.	
Clause G36.2	The Bidder to state what hardware and software will be available, with costs and projected dates.	
Clause G37	<b>UPGRADE POLICY:</b>	
Clause G37.1	All future upgrades (hardware and software) involving <u>patient safety</u> must be offered at no additional cost.	
Clause G37.2	All future upgrades removing software viruses from existing software must be supplied at no cost.	
Clause G37.3	Any upgrade before or after installation of the equipment involving additional cost must be brought to the attention of the Manager, Health Technology Services.	
Clause G38	The Bidder must indicate the expected life of their offered unit and software in years.	

## **TECHNICAL SPECIFICATION.**

### **Clause T1**

#### **GENERAL**

##### **Clause T1.1**

**This specification establishes the requirements for the SUPPLY, DELIVERY, INSTALLATION, DEMONSTRATION and COMMISSIONING of a MULTI PURPOSE CEILING SUSPENDED X –RAY TUBE SYSTEM WITH DUAL DETECTOR FLAT PANEL SYSTEM.**

##### **BIDDER'S COMMENTS:**

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##### **Clause T1.2**

The bid price quoted must include the supply, installation, demonstration and commissioning of the equipment as well as the building alterations that may be required for the successful installation of the units.

##### **BIDDER'S COMMENTS:**

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### **Clause T2**

**Description:** A fully automated and motorized ceiling suspended x-ray system with Dual full field flat panel Detectors in the table and bucky wall stand for maximum performance is required at various hospitals in KZN. The unit must be self-contained with at least Four hour independent UPS back-up on each detector. The ceiling suspension must cover an active x-ray area of no less than 4 x 3 meters for exams from head to foot, with cross table application that is required without compromise to handle a full range of general radiographic procedures. A day light loading DICOM laser camera must be offered as an option. All software in DICOM format to link to a reporting HUB within KZN must be possible. A 5 year extended warranty to be inclusive.

##### **Clause T2.1**

#### **Multipurpose Ceiling suspended X-RAY TUBE SYSTEM WITH DUAL DETECTOR FLAT PANEL SYSTEM**

- T 2.1** Automatic positioning to any pre-programmed position.
- T 2.2** Fully Motorized universal telescope or similar ceiling x-ray tube support with longitudinal and traverse rail support system.
- T 2.3** Ability to X-ray examinations from head end or foot end of the couch without rotating the patient or bed for bi-lateral exams. State how this is accomplished

##### **BIDDER'S COMMENTS:**

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- T 2.4** TWO Fixed FLAT PANEL detectors in bed and erect bucky:  
 No operator detachment possible  
 No exposed cables to the detector  
 Table detector should be able to extended out of the table for extremity examinations without grid
- T 2.5** Wheel chair exams with extended detector
- T 2.6** Manual rotation of tube.
- T2.7** Ability to X-Ray extensive trauma exams on trauma trolley.
- T2.8** Rotation of tube/detector combination. State in full details

**BIDDER'S COMMENTS:**

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- T 2.9** Control panels should be located at least at 3 positions on the tube bed, bucky combination. State full details.

**BIDDER'S COMMENTS:**

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- T 2.10** Wireless remote control of the table, overhead system and bucky wall stand must be possible.

- T 2.11** Ceiling suspension must cover a minimum x-ray active area of 4X3 meters. State length of transverse and longitudinal coverage.

**BIDDER'S COMMENTS:**

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- T2.12** Motorised Auto centering and auto perpendicular of x-ray source to detector alignment must be possible. State how this is achieved.

**BIDDER'S COMMENTS:**

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**Clause T3** **X-Ray Generator, Tube, Collimator**

- T3.1** Three (3) Phase High Frequency generator

T3.2 Microprocessor controlled.

T3.3 Minimum Output 80 KW. State output.

**BIDDER'S COMMENTS:**

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T3.4 Output kVp Range 40 – 150

T3.5 Output mA Range 10 – 800

T3.6 Output mAs Range 0.1 – 500

T3.7 Output timer 1 ms to 1000 ms

T3.8 Integrated to Digital system and Flat panel.

T3.9 Splash proof touch panel(s) displaying the generator parameters, the image and imaging parameters on the same unit.

T3.10 Automatic Program Possible. At least 16 preset tube –detector combination possible.

T3.11 Three or Five Chamber AEC standards fitted on both detectors.

T3.12 Help orientation menus.

T3.13 DAP meter with display integrated in image standard.

T3.14 Tube power availability indication.

T3.15 Customized short key to pre-programmed profiles. State how this is achieved:

**BIDDER'S COMMENTS:**

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T3.16 Matched X-Ray Tube to Generator output power and cooling curves... State ratings:

**BIDDER'S COMMENTS:**

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T3.17 High speed Rotor of at least 8000rpm. State rotation speed of the anode.

**BIDDER'S COMMENTS:**

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**T3.18** Automatic/manual Collimator with 160 LUX halogen lamp.

**Clause T4. DIGITAL CAPTURE DEVICE:**

- T4.1** Full field flat panel detector array with 43 cm x 43 cm active imaging area.
- T4.2** Effective Detector pixels matrix at least 3000 x 3000.
- T4.3** Effective pixel pitch 145 µ or better.
- T4.4** DQE for 1Lp/mm must be better than 50%. State DQE values at 2 and 3 Lp/mm.
- T4.5** State Lp/mm at Nyquist frequency

**BIDDER'S COMMENTS:**

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- T4.6** Digital acquisition range 14 bit.
- T4.7** Fixed flat panel detector  
In the table and the second detector in the bucky wall stand.  
No operator detachment possible  
No exposed cables to the detector
- T4.8** Computer control for digital image processing.
- T4.9** Four hour independent UPS back-up for both detectors.
- T4.10** CCD offers will be automatically disqualified.

**CLAUSE T5. OPERATOR CONSOLE**

- T5.1** 19" Flat screen Colour Monitor.
- T5.2** Optimize gray scale display.
- T5.3** System Admin such as create, modify user logon, password, and multiple printer location, manage image output, detector array calibration, view delete images, study selection, patient search, demographics input.
- T5.4** Exam tutor software.
- T5.5** Software to integrate and match CR images in the department "by the PACS systems".
- T5.6** Software for optimizing x-ray image display via exam plan algorithms.
- T5.7** Integrated with generator with full control.
- T5.8** Reject analysis software must be included.
- T5.9** Emergency cases short-cut procedure must be possible.

**T5.10** DICOM send/print/store/worklist must be included. Storage to USB or similar must be provided

**T5.11** Storage > 2000 images.

**T5.12** Disc space with a minimum 150 GB must be available

**T5.13** Latest release full range enhance image quality software must be included. State:

**BIDDER'S COMMENTS:**

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**T5.14** Touch screen or mouse driven application or both.

**T5.15** 20 min online UPS matched for computer components to be included

**CLAUSE 6      PATIENT TABLE:**

**T6.1** Height adjustable floor mounted patient table.

**T6.2** Servo coupling with automatic positioning and motorization. State different movements with the number of different options

**T6.2.1** 4 way floating top

**T6.2.2** At least 1800 mm long

**T6.2.3** At least 670 mm wide

**T6.2.4** Height adjustment at least 600 mm to 870 mm

**BIDDER'S COMMENTS:**

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**T6.3** Patient access from all sides.

**T6.4** Floating top to be radio lucent.

**T6.5** 220 kg patient load or better.

**T6.6** Durable, High quality.

**Clause T7      Multi-functional Erect Bucky with Detector:**

**T7.1** Versatile erect bucky detector to match movements of overhead tube suspension for extremity and trauma application.

- T7.2 Servo coupling with automatic positioning and motorization to the overhead x-ray tube suspension. State different movements and number of options.

**BIDDER'S COMMENTS:**

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- T7.3 Detector to be able to tilt 0o to 90o laterally and swing from left to right as well as a movement range towards and away from the table unit. State range of movements.

**BIDDER'S COMMENTS:**

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- T7.4 Vertical movement is required to cover examination from ankle to chest of patients of 1.8m.

- T7.5 Anti-collision auto tracking software must be standard.

- T7.6 Lateral support arm must be included for lateral chest exposure.

- T7.7 Detector must be able to be positioned horizontally and low to allow for wheel chair level extremity examinations

**CLAUSE T 8. DICOM Laser Camera (Must be offered as an Option and listed on the SCHEDULE OF OPTIONAL ACCESSORIES)**

- T8.1 Daylight film loading  
T8.2 Three (3) film sizes online. Concurrently  
T8.3 State how additional sizes can be accommodated  
T8.4 State film sizes available. Standard 35x43 film size. State additional film sizes available

**BIDDER'S COMMENT**

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**CLAUSE T9 SOFTWARE:**

- T 9.1 Long Length imaging stitching must be included.

- T9.2 Anti Collision auto tracking software must be standard.

T9.3 Tomography facility must be included.

**CLAUSE T10 APPLICATIONS TRAINING:**

T 10.1 Ten (10) day applications training session on installation. State programme.

**BIDDER'S COMMENT**

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T 10.2 Five day (5) day follow up session over 3 months on request.

T 10.3 Three day (3) day follow up session over 6 months on request

**CLAUSE T11**

The bid price must include the necessary QA test, any additional items, modifications or building alterations required to meet the requirements of the Directorate Radiation Control of the Department of Health.

**BIDDER'S COMMENT**

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**Clause T12**

**FULLY COMPREHENSIVE MAINTENANCE CONTRACT**

**Clause 12.1**

Bidders must provide a fully comprehensive maintenance and service agreement for a period of 5 years to commence upon termination of the warranty period of two years.

**Clause 12.2**

This contract would cover, but not be limited to the following: ALL PARTS (including, where appropriate, X-Ray tubes and other glassware), labour, traveling, accommodation, service and maintenance. The five year maintenance plan must also include all Quality Control and Quality Assurance requirements, including all required calibrations.

**Clause 12.3**

Software changes to the equipment which are corrective in nature and initiated due to software errors, regulatory requirements or safety reasons, shall be delivered and installed at no charge for the period of the contract.

**Clause 12.4**

The bidder must state the number of services per annum that are required for the equipment offered as per the manufacturer's recommendations and attach proof of this from the Original Equipment Manufacturer (OEM).

**Clause 12.5**

The bidder must complete the attached Service Level Agreement and detail costs on the Annexures provided in the Service Level Agreement.

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**BIDDER'S COMMENT**

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## SCHEDULE OF OPTIONAL ACCESSORIES

Bidders must quote the price of the optional accessories and items listed as well as any other accessories that may be useful to the end users. The receiving Institutions may purchase individual accessories necessary for their particular Institution.

Cat No	Item	Price including VAT
	Multi-Slot CR Reader (including Mini PACS)	
	Single-Slot CR Reader (including Mini PACS)	
	Flat Panel Detector various sizes	
	Laser Printer	
	DICOM Laser Camera (Refer to technical clause T8)	



DETAILED TECHNICAL SPECIFICATION

GENERAL INFORMATION REQUIRED

**FAILURE TO COMPLETE THIS PART WILL DISQUALIFY THE BIDDER**

Make: \_\_\_\_\_

Model Number / Part Number for: \_\_\_\_\_

Country of Origin \_\_\_\_\_

Final Bid / Quotation Price inclusive of V.A.T. \_\_\_\_\_

The Bid Price must be firm for 120 Days \_\_\_\_\_

Local (KwaZulu-Natal) Agent \_\_\_\_\_

Delivery Period \_\_\_\_\_

R S A Import Permit Holder \_\_\_\_\_

BIDDER \_\_\_\_\_

SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_

ADDRESS \_\_\_\_\_

TELEPHONE NO. \_\_\_\_\_ FAX NO. \_\_\_\_\_

CONTACT PERSON \_\_\_\_\_  
(PLEASE PRINT)