health
Department:
Health
PROVINCE OF KWAZULU-NATAL

Quotation Advert

Opening Date:	2019-08-12
Closing Date:	2019-08-20
Closing Time:	11:00

INSTITUTION DETAILS

Institution Name:	Church of Scotland hospital
Province:	KwaZulu-Natal
Department or Entity:	Department of Health
Division or section:	Central Supply Chain Management
Place where goods / services is required	D.I.S
Date Submitted	2019-08-08

ITEM CATEGORY AND DETAILS

Quotation Number:	ZNQ: 199/19-20
Item Category:	Goods
Item Description:	SUPPLY AND DELIVER BASIC REAL TIME COLOUR DOPPLER ULTRASOUND PER ATTACHED SPECIFICATION
Quantity (if supplies)	01 UNIT

COMPULSORY BRIEFING SESSION / SITE VISIT

Select Type:	Not Applicable
Date :	
Time:	
Venue:	

QUOTES CAN BE COLLECTED FROM:	REQUEST VIA EMAIL OR COLLECT AT SCM DEPARTMENT
QUOTES SHOULD BE DELIVERED TO:	R33 DUNDEE MAIN ROAD TUGELA FERRY 3010 CHURCH OF SCOTLAND HOSPITAL

ENQUIRIES REGARDING THE ADVERT MAY BE DIRECTED TO:

Name:	MISS NC MTSHALI
Email:	nondumiso.mtshali@kznhealth.gov.za
Contact Number:	

0334931000(1033)

Finance Manager Name: Mr. L Kauleza

Finance Manager Signature:

No late quotes will be considered

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PROVINCE OF KWAZULU-NATAL

DEPARTMENT OF HEALTH

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

SPECIFICATION FOR:
BASIC REAL-TIME COLOUR DOPPLER ULTRASOUND SYSTEM

SPECIFICATION: RAD – 19 (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.

NO	SPECIFICATION	BIDDERS COMMENTS: STATE "COMPLIES" OR "DOES NOT COMPLY" OR ANSWER THE QUESTION.
Clause G1.1	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. 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. 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.	
Clause G2	All responses must be clear and legible.	
Clause G3	**GUARANTEE:**	
Clause G3.1	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.	
Clause G3.2	State percentage guaranteed up time of machine (Should be at least 99%).	
Clause G3.3	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.	
Clause G3.4	The bidder must state the number of services that will be provided during and up to the end of the guarantee period.	
Clause G3.5	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.	
Clause G3.6	Travelling and Travelling Time costs must be included during the Guarantee Period?	
Clause G3.7	Spares that may be required during the Guarantee Period will be supplied at the expense of the bidder.	
Clause G3.8	Downtime during the Guarantee Period must extend the Guarantee time on a Day-to-Day basis.	
Clause G3.9	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.	
Clause G3.10	The same guarantee conditions must apply to replacement units.	

NO	SPECIFICATION	BIDDERS COMMENTS: STATE "COMPLIES" OR "DOES NOT COMPLY" OR ANSWER THE QUESTION.
Clause G4	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.	
Clause G5	Bidders must offer the Health Technology Service's In House Technicians a 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, **full training** 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	**SERVICING:**	
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. **Please supply details as follows:** **Company name** :_____ **Physical Address** :_____ _____ **Telephone Number/s** :_____ **Fax number** : _____ ***(The Health Technology Services reserves the right to inspect the premises).***	

NO	SPECIFICATION	BIDDERS COMMENTS: STATE "COMPLIES" OR "DOES NOT COMPLY" OR ANSWER THE QUESTION.
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. **N.B. Proof of original equipment manufacturer training must be submitted with this bid / quotation offer.**	
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	**The successful bidder must include in their offer at no extra cost to the final bid price:**	
Clause G14.1	Complete user Operation / Maintenance Manual x 2 (two) Book / File; CD, DVD copies in English Language.	
Clause G14.2	Complete **ORIGINAL** Service / Repair Manual x 2 (two) Book / File; CD; DVD copies in English Language which MUST include the following information: Fault Finding Guide, Circuit Diagrams / Schematics, Circuit Descriptions, and **PCB** Layouts, Calibration Guide, Part Numbers and exploded diagram of Mechanical Parts / Panels.	

NO	SPECIFICATION	BIDDERS COMMENTS: STATE "COMPLIES" OR "DOES NOT COMPLY" OR ANSWER THE QUESTION.
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.	
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.	
a. 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 **ACCEPTANCE TEST** 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 **IEC 60601-1** and **60601-1-2** for Medical Equipment Where the quoted equipment operates off an electrical supply.	
Clause G22	**All equipment, the installation and any alteration / additions must comply with:**	
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	

NO	SPECIFICATION	BIDDERS COMMENTS: STATE "COMPLIES" OR "DOES NOT COMPLY" OR ANSWER THE QUESTION.
	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	**NB. HAZARDOUS SUBSTANCE ACT:**	
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.	
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 not 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 **experts** 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, or the bidder must take arrange 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	**UPGRADEABILITY WHERE APPLICABLE:**	
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.	

NO	SPECIFICATION	BIDDERS COMMENTS: STATE "COMPLIES" OR "DOES NOT COMPLY" OR ANSWER THE QUESTION.
Clause G37	**UPGRADE POLICY:**	
Clause G37.1	All future upgrades (hardware and software) involving patient safety 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.

This specification establishes the requirements for the supply, delivery installation, commissioning, demonstration and end user training of a real time basic colour doppler ultrasound system.

T1.	SPECIFICATION FOR:	COMPLIANT YES/NO	COMMENTS
T1.2	**PURPOSE:** The system is intended to serve the hospitals for the diagnostic investigations of patients. The unit must be moderately priced and have the ability to produce high quality colour doppler images.		
T2	**MEDICAL USES:**	**COMPLIANT (yes/no)**	**COMMENTS**
T2.1	The unit must have the ability to do the following:-		
T2.1.1	Produce the highest quality real-time B-Mode scans, with tissue harmonics, of all body organs and any pathology or abnormal phenomena in different shades of grey and colour.		
T2.1.2	The system must have a full software package to calculate the various parameters for all ultrasound imaging as specified.		
T3	**SYSTEM HARDWARE:**	**COMPLIANT (yes/no)**	**COMMENTS**
T3.1	The system must consist of the following minimum components:		
T3.1.1	Operator's console, with all controls and a full alpha-numeric keyboard.		
T3.1.2	A digital memory and processor.		
T3.1.4	Display monitor as specified.		
T3.1.5	A high precision measuring system.		
T3.1.6	A recording system as specified in clause 22.		
T3.1.7	Pulsed wave doppler with real-time duplex mode.		
T4	**SYSTEM SOFTWARE:**	**COMPLIANT (yes/no)**	**COMMENTS**
T4.1	The unit must have software for the analysis of recorded data in respect of the following investigations:-		
T4.1.1	Obstetrics.		
T4.1.2	Vascular flow studies in obstetrics, and central and peripheral vascular.		
T4.1.3	Paediatrics.		
T4.1.4	The following software must be offered as		

	options for future up-grading of the system: a) Panoramic imaging b) Free hand 3D c) Trapezoid imaging d) State prices of the above options under "schedule of accessories" at the end of the specification.		
T4.1.5	Any other software that is presently available and not included on the offer must be stated and may be taken into consideration. The bidder must state if any other software will become available in the near future. Details of the software and cost must be listed in the schedule of optional accessories.		
T4.1.6	Cardiac software and continuous wave must be quoted for and offered as an option on the schedule of optional accessories for future up-grading of the system.		
T4.1.7	All version software upgrades must be supplied free of charge.		
T4.1.8	The software for Dicom compatibility must be offered with worklist		
T5	**P R O B E S:**	**COMPLIANT (yes/no)**	**COMMENTS**
T5.1	**PROBE CONNECTION:**		
T5.1.1	A probe holder for 3 probes and cable support must be supplied.		
T5.1.2	It must be possible to connect 3 probes simultaneously		
T5.2	**PROBES REQUIRED:** The bid price must include the following probe. The bidder must supply details of the probe and of the cost of the probe in the schedule of accessories at the end of the specification.		
T5.2.1	3.5 MHz multi-frequency convex sector probe.		
T6	**OPTIONAL PROBES:** The following probes should be offered as options and the prices must be stated on the price schedule at the end of the specification.		
T6.1	Neonatal head 5 – 7.5 MHz or higher.		
T6.2	Linear 7.5 -10 MHz probe or higher		
T6.3	Endo vaginal 5 – 7 MHz. or higher		
T6.4	Cardiac Probe 2-4 MHz or higher		
T6.4	The bidder may offer other probes as optional extras. Details and the cost of the probes offered must be stated on the schedule of optional accessories at the end of the specification.		
T6.5	The specified frequencies of the above probes are nominal values: Variations from the central frequency of 0,5MHz each way will be acceptable.		
T6.6	Mechanically driven probes, except for 3D		

	and 4D, will not be considered.		
T7	**ELECTRONIC FOCUSING:**	**COMPLIANT (yes/no)**	**COMMENTS**
T7.1	Bidders must indicate which of the offered probes are capable of electronic dynamic focusing in which case the number of focusing zones along the depth of the field should be stated.		
T8	**PULSED DOPPLER:**	**COMPLIANT (yes/no)**	**COMMENTS**
T8.1	Transducers must be capable of switching (simultaneous) between 2-D, pulsed Doppler and colour flow Doppler imaging in real-time (triplex mode).		
T9	**REPLACEMENT PROBES:** Bidders must state if service exchange probes are available. If available, quote the prices offered on an exchange basis and indicate what guarantee will be offered on these probes.		
T10	**BIOPSY NEEDLE GUIDES:**	**COMPLIANT (yes/no)**	**COMMENTS**
T10.1	The bidder must indicate which of the probes quoted for can be fitted with biopsy needle guides.		
T10.2	Details of such needle guides should be given as well as quotations for their supply should be stated on the schedule of optional accessories at the end of the specification.		
T11	**TRANSMITTER AND RECEIVER:**	**COMPLIANT (yes/no)**	**COMMENTS**
T11.1	The power output should enable tissue interfaces up to a depth of 30cm to be visualized.		
T11.2	Variable focusing during transmission must be available.		
T11.3	The range of pulse repetition rates available must be stated.		
T11.4	Compensation for depth should be accomplished by slide controls on the control panel, the positions of which will indicate the Time Gain Compensation(TGC) slope, or TGC should be achieved by a control that provides for variation in near gain, slope rate and slope position.		
T11.5	The frame rate will be assessed during demonstration and will be taken into consideration in the clinical evaluation of the system.		
T11.6	Any additional features or offers may be stated and will be considered.		

T12	**OPERATOR'S CONSOLE:**	**COMPLIANT (yes/no)**	**COMMENTS**
T12.1	The operator's console must contain the following:-		
T12.2	All the electronic equipment.		
T12.3	Connections to the probes, footswitches and all recording systems.		
T12.4	The facilities for an integrated writable DVD/CD drive must be available for image storage.		
T12.5	The console panels must be made of rust-proof material which is resistant to marine air and is of a high quality finish. The colour must be stated.		
T13	**DIGITAL MEMORY AND PROCESSOR:**	**COMPLIANT (yes/no)**	**COMMENTS**
T13.1	The memory must use at least 8 bit technology.		
T13.2	The cine loop memory capacity must be at least 1000 frames.		
T14	**D I S P L A Y:**	**COMPLIANT (yes/no)**	**COMMENTS**
T14.1	The instrument must be capable of displaying:-		
T14.2	Real-time B-Mode scans in shades of grey - minimum 256.		
T14.3	Real-time B-mode, pulsed wave, and colour Doppler images in triplex mode.		
T15	**MONITOR:**	**COMPLIANT (yes/no)**	**COMMENTS**
T15.1	The display should be on a high resolution colour monitor of at least 38cm (15") diagonal.		
T15.2	The monitor must have swivel and tilt facilities to enable optimal visualization from different angles.		
T16	**ANNOTATION:**	**COMPLIANT (yes/no)**	**COMMENTS**
T16.1	The screen must display the following information:-		
T16.2	Patient's name and I.D. number.		
T16.3	Date and time.		
T16.4	Annotation pointer.		
T16.5	All scanning parameters.		
T16.6	Results of calculations.		
T16.7	The number of digits available for annotation must be at least 40 or above		
T17	**AUDIO DOPPLER:**	**COMPLIANT**	**COMMENTS**

		(yes/no)	
T17.1	The Doppler shift frequency must have an audible output that can be heard via speakers.		
T18	**S O F T W A R E:**	**COMPLIANT (yes/no)**	**COMMENTS**
T18.1	Obstetric Software must be available:-		
T18.2	To calculate foetal age and foetal weight from caliper measurements		
T18.3	The software offered must be able to estimate the date of delivery from the date of the last menstrual period.		
T18.4	Percentile graphs and report facilities must be obtainable from recorded data.		
T18.5	Any further available obstetrical software must be stated.		
T18.6	Vascular Studies (In Radiology, Obstetrics, Gynaecology and Including Paediatrics)		
T18.7	Software must be available for calculations pertaining to blood flow studies in:-		
	a) Obstetrics and Gynae: umbilical cord, uterine and ovarian pathology,		
	b) Abdominal and small parts.		
	c) Vascular: Aorta, neck, deep vein thrombosis, and superficial veins.		
T18.8	Software pertaining to the above-named applications must be available for obtaining the following:-		
	a) Display of maximum, minimum and mean mode curves with spectral Doppler.		
	b) Pulsatility and resistive index calculation.		
	c) Lumen calculations via diameter/area method.		
	d) Percentage stenosis based on area or diameter calculation.		
	e) Any other desirable features of the software package must be stated.		
T19	**IMAGE PROCESSING:**	**COMPLIANT (yes/no)**	**COMMENTS**
T19.1	The unit must be capable of real time and frozen pan-zoom of B-Mode and colour flow displays. Magnification factors must be at least 10 times.		
T20	**OPERATIONAL:**	**COMPLIANT (yes/no)**	**COMMENTS**
T20.1	The unit must have a freeze-frame facility that must be operated by a push-button. There should be no deterioration in brightness or contrast whilst the frozen image is being viewed.		
T20.2	Repetitive viewing in a cine-loop with freeze frame and slow motion must be possible.		
T21	**MEASURING SYSTEM:**	**COMPLIANT (yes/no)**	**COMMENTS**
T21.1	An electronic caliper measuring system, calibrated in millimeters over the scan depth,		

	is required with an accuracy of at least 1mm.		
T21.2	The system must be capable of multiple pairs of calipers.		
T21.3	The calipers must be movable to any position on the screen by the trackball. And must be in the range of (6 – 8)		
T21.4	The separation between markers, area, or circumference must be displayed on the screen and be easily readable.		
T21.5	Scale marker displays should be provided 1cm apart.		
T21.6	Details of any additional measurement capability that is present in the system offered must be supplied.		
T22	**RECORDING SYSTEM:**	**COMPLIANT (yes/no)**	**COMMENTS**
T22.1	The system must include a black and white 110mm thermal printer		
T22.2	The printer must be integrated into the unit. The cables of the printer should be easily accessible for any changes that need to be made.		
T23	**POWER SUPPLY:**	**COMPLIANT (yes/no)**	**COMMENTS**
T23.1	The equipment is to operate from a standard 220 - 250 volt/50Hz mains supply.		
T23.2	It is necessary that the equipment is protected from possible fluctuations in mains supply. Bidders must include an on-line uninterrupted power supply (UPS) to provide mains stabilisation. The UPS should not adversely affect the image quality.		
T24	**DEMONSTRATION OF UNITS:** The department reserves the right to call for a demonstration of models that are unknown and have not previously been properly demonstrated in the KZN Health Service. Bidders must state if a unit will be available immediately for demonstration. The trail period should be maximum of five (5) days or more	**COMPLIANT (yes/no)**	**COMMENTS**
T25	Image clarity in all the ultrasound application and all probes is of paramount importance. This will be assessed during the demonstration of the unit.		

T26	**UPGRADEABILITY**	**COMPLIANT (yes/no)**	**COMMENTS**
T26.1	All future upgrades (hardware and software) involving patient		

	safety and removing software viruses from existing software must be supplied at no additional cost. ***ANY UPGRADE BEFORE OR AFTER INSTALLATION OF THE EQUIPMENT INVOLVING ADDITIONAL COST MUST BE BROUGHT TO THE ATTENTION OF THE MANAGER, HEALTH TECHNOLOGY SERVICES.***		
T27	**MANUALS AND BROCHURES**	**COMPLIANT (yes/no)**	**COMMENTS**
T27.1	**The successful bidder must include in their offer at no extra cost to the final bid price:** I. Complete user Operation / Maintenance Manual x 2 (two) Book / File; CD; DVD copies in English Language II. Complete **ORIGINAL** Service / Repair Manual x 2 (two) Book / File; CD; DVD copies in English Language which MUST include the following information:Fault Finding Guide, Circuit Diagrams / Schematics, Circuit Descriptions, and **PCB** Layouts, Calibration Guide, Part Numbers and exploded diagram of Mechanical Parts / Panels. **The offer submitted must be supported by descriptive literature, colour pamphlets, colour brochures and technical data sheets applicable to the offer** ***FAILURE TO SUBMIT THE ABOVE WILL RESULT IN THE BID NOT BEING CONSIDERED.***		

T28	INSTALLATION	COMPLIANT (yes/no)	COMMENTS
T28.1	The final bid price must include: I. De-installation of existing equipment (where applicable), including the removal to a place designated by the Hospital management II. Delivery, installation and commissioning of equipment. Prior arrangements must be made with Health Technology Services with regard to de-installation and disposal of the old unit.		
T29	**TRAINING IN THE CORRECT USE OF PRODUCTS**	**COMPLIANT (yes/no)**	**COMMENTS**
T29.1	The successful bidder must offer continuous training to staff in effective utilisation of their products. Wastage as a result of not effectively utilising products must be immediately reported by the supplier to the Department of Health. When called for by the Department of Health Technology Services, the contractor must furnish the details sought after.		
T29.2	The successful bidder must provide the Health Technology Service's in house Technicians, a demonstration of the product offered, **full training** 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.		

T29.3	The successful Bidder must at no extra cost provide additional ongoing training for end users and technical staff on the equipment offered.		
T29	**RADIATION CONTROL LICENSE**	**COMPLIANT (yes/no)**	**COMMENTS**
	Bidders must state the Radiation Control Licence number of the make and model of the equipment offered. If this type of equipment/apparatus appears on the schedule of Hazardous Substances, issued by the Directorate: Radiation Control of the Department of Health, a licence in terms of the Act on Hazardous Substances (Act 15/1973) must be submitted with the bid document. The licence must be registered under the bidders name or the letter of Joint Venture must be submitted by the Licence holder where the licence is not in the name of the bidder. **BIDDERS THAT NEGLECT TO SUBMIT A LICENCE WILL BE DISQUALIFIED.** **BIDDER TO STATE LICENCE NUMBER:** _____		
T30	**FULLY COMPREHENSIVE MAITENANCE AGREEMENT**	**COMPLIANT (yes/no)**	**COMMENTS**
T30.1	Bidders must provide a fully comprehensive maintenance and service agreement for a period of 5 years to commence upon termination of the 2 year warranty period.		

T30.2	The five year maintenance plan must also include all quality check and quality assurance requirements, including all required calibrations		
T30.3	This contract will commence after the two year warranty period has expired. Software updates and upgrades to be included.		
T30.4	This contract would cover, but not be limited to the following: ALL PARTS (including, where appropriate, X-Ray tubes, Ultrasound probes and other glassware), spare parts, labour, traveling, accommodation, service and maintenance. The five year maintenance plan must also include all quality check and quality assurance requirements, including all required calibrations. This contract will commence after the two year warranty period has expired. Software updates and upgrades to be included.		
T30.5	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		
T30.6	The bidder must supply details as to what is included in the cost that is quoted below. This must be attached as an annexure to the technical specification.		

The bidder must complete the schedule below.

YEARLY MAINTENANCE CONTRACT SCHEDULE

	Year	Amount

TOTAL SERVICE AGREEMENT COST FOR FIVE YEAR PERIOD AFTER LAPSE OF TWO YEAR GAURANTEE PERIOD	1	
	2	
	3	
	4	
	5	
TOTAL		R

DETAILS OF ALL PROBES OFFERED

PROBE	NO OF ELEMENTS	SECTOR ANGLE	FRAME RATE	CONTACT AREA	DEPTH OF FIELD

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.

Cat No	Item	Price including VAT

DETAILED TECHNICAL SPECIFICATION

GENERAL INFORMATION REQUIRED

FAILURE TO COMPLETE THIS PART WILL DISQUALIFY THE BIDDER

Description of item: **X-RAY MOBLE C-ARM IMAGE INTENSIFIER**

Make: _____

Model: _____

Country of Manufacture: _____

Final Bid Price must be Inclusive of VAT: _____

Local Agent (KwaZulu-Natal): _____

Delivery Period: _____

R S A Import Permit Holder: _____

Bidder: _____

Signature: _____ Date: _____

Address: _____

_____

Telephone no: _____ Fax no: _____

Contact person: _____
(Please print)

FULL COMPREHENSIVE SERVICE AGREEMENT

a) 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 services.

b) The bidder must state the cost (inclusive of VAT.) of each service per unit.

c) The bidder must supply all inclusive, fully comprehensive five year preventative maintenance, service and repair contract covering all equipment, hardware and software. This contract would cover, but not be limited to the following: ALL PARTS (including, where appropriate, Consumables, X-Ray tubes, Ultrasound probes and other glassware), labour, traveling, mileage, spare parts, service kits, breakdowns, accommodation, and all call outs that is required for the servicing of each unit and maintenance. **(The bidder must attach on a separate annexure detailing the cost of each of the above.)**

d) The bidder must submit a draft maintenance and service agreement with their bid.

e) The bidder must complete the schedule below.

Number of Services Required Per Unit	Cost of each service per Unit	Quantity of units	Total Cost

Institution for which the equipment is intended _____

Bidder: _____

Signature: _____ Date: _____