

Opening Date: 2020-07-30

Closing Date: 2020-08-06

Closing Time: 11:00

### INSTITUTION DETAILS

Institution Name: Ekombe hospital

Province: KwaZulu-Natal

Department or Entity: Department of Health

Division or section: Central Supply Chain Management

Place where goods / services is required: Ekombe District Hospital

Date Submitted: 2020-07-29

### ITEM CATEGORY AND DETAILS

Quotation Number: ZNQ:  
ZNQ128/20-21

Item Category: Goods

Item Description: Supply and deliver medical instruments

Quantity (if supplies) 01

### COMPULSORY BRIEFING SESSION / SITE VISIT

Select Type: Not Applicable

Date :

Time:

Venue:

QUOTES CAN BE COLLECTED FROM:

QUOTES SHOULD BE DELIVERED TO:

### ENQUIRIES REGARDING THE ADVERT MAY BE DIRECTED TO:

Name: Miss S.Z NXUMALO

Email: Senamisile.Nxumalo@kznhealth.gov.za

Contact Number: 035 834 8082

Finance Manager Name: Miss S.M. Ntombela

Finance Manager Signature:

  
**No late quotes will be considered**

**REVISED: 01/08/2016**

**PROVINCE OF KWAZULU-NATAL**

**DEPARTMENT OF HEALTH**

**HEALTH TECHNOLOGY SERVICES**

**SPECIFICATION FOR:**

**UMDNS: 16156**

**SPHYGMOMANOMETERS - ANEROID (FREE STANDING DESK TYPE)**

**SPECIFICATION: H.T.S. – NO. S99 (SURGICAL)**

**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	<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>	
Clause G2	All responses must be clear and legible.	
Clause G3	<b>GUARANTEE:</b>	
Clause G3.1	<p>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.</p> <p>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.</p>	
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	

NO	SPECIFICATION	BIDDERS COMMENTS: STATE "COMPLIES" OR "DOES NOT COMPLY" OR ANSWER THE QUESTION.
	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.	
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, <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>  Company name : _____  Physical Address : _____ _____  Telephone Number/s : _____ Fax number : _____	

NO	SPECIFICATION	BIDDERS COMMENTS: STATE "COMPLIES" OR "DOES NOT COMPLY" OR ANSWER THE QUESTION.
	<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>	
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.	

NO	SPECIFICATION	BIDDERS COMMENTS: STATE "COMPLIES" OR "DOES NOT COMPLY" OR ANSWER THE QUESTION.
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 <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 (faultfinding), 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.	
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.	

NO	SPECIFICATION	BIDDERS COMMENTS: STATE "COMPLIES" OR "DOES NOT COMPLY" OR ANSWER THE QUESTION.
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.	
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	

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	Clinical <b>experts</b> 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 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**

This specification calls for an aneroid Desk "free standing" type of sphygmomanometer required for carrying out non-invasive Blood Pressure measurement on patients. The unit offered must be such that when it is placed on a desk it must stand freely without requiring to be supported or fixed to the desk. The unit offered must be a precise, long life aneroid manometer which is environmentally safe with no mercury and the dial assembly must pivot for clear and easy reading from any angle.

**BIDDER'S COMMENTS:**

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### **Clause T2**

The unit offered must be fitted with an extra long spiral latex free inflation tube (air hose) that extend the working radius between the patient and desk to a minimum distance of at least 2 meters when required by the user.

**BIDDER'S COMMENTS:**

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### **Clause T3**

#### **THE GAUGE:**

- a. The gauge case must be manufactured from a durable non-corrosion material.
- b. The gauge must have a transparent easy to read face with a glass or suitable plastic cover.
- c. When not under pressure the pointer must not leave the zero mark.
- d. The motion of the pointer must be smooth and unobstructed with a change of pressure.
- e. When pressure is fully released, the pointer must return to the zero mark.
- g. The gauge must have precision movement which is certified and it must be accurate within  $\pm 3$ mmHg.
- h. The gauge must have large clear numerals which are easy to read in a measurement range from 0 to 300mmHg.
- i. The gauge must have a large dial face of at least 150mm diameter.

**BIDDER'S COMMENTS:**

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### **Clause T4**

#### **DURABLE ONE PIECE INFLATION CUFF:**

The cuff offered and supplied must be of a one piece bladder less construction, It must be Latex free, it must be re-usable, it must be waterproof, it must be manufactured of lightweight nylon based material and it must have anti microbial protection. **One large adult re-usable cuff and one Adult re-usable cuff must be supplied at no extra cost to the final bid price with each sphygmomanometer. The cost of these cuffs must also be quoted for on the schedule of optional accessories.**

**BIDDER'S COMMENTS:**

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**Clause T5**

**INFLATION BULB:**

The inflation bulb must be latex free and it must be of a durable type with an integral steel non-return valve.  
**Plastic non-return valve will not be considered.**

**BIDDER'S COMMENTS:**

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**Clause T6**

**PRESSURE INFLATION AND DEFLATION VALVE:**

- a. The pressure inflation and deflation valve must be of a durable steel material which is chromium plated, it must be robust and provide reliable pressure inflation and deflation.
- b. The inflation and deflation valve must have a chromium plated air tap with pressure release regulation by means of a reliable and robust screw valve.

**BIDDER'S COMMENTS:**

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**Clause T7**

**BASKET OR HOLDER:**

A storage facility for the tubing, cuff etc. must be supplied, fitted to the desk type sphygmomanometer offered.

**BIDDER'S COMMENTS:**

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**Clause T8**

The bidder must quote on reusable child and infant cuffs as extra optional on the schedule of optional accessories.

**BIDDER'S COMMENTS:**

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**Clause T9**

**GUARANTEE / WARRANTY**

The bidder must provide a minimum of 24-month warranty / guarantee period for the unit offered.

**BIDDER'S COMMENTS:**

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**Clause T13**

**MAINTENANCE AND SERVICE AGREEMENT**

Upon termination of the guarantee / warranty period the DOH Health Technology Services Component Technicians will be responsible for the maintenance, repair and service of the unit offered.

**BIDDER'S COMMENTS:**

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# DETAILED TECHNICAL SPECIFICATION

## GENERAL INFORMATION REQUIRED

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

Make:

\_\_\_\_\_

Model Number / Part Number for:

\_\_\_\_\_

Country of Origin

\_\_\_\_\_

Delivery Period

\_\_\_\_\_

R S A Import Permit Holder (License No)

\_\_\_\_\_

Bidder

\_\_\_\_\_

Signature

\_\_\_\_\_

Date

\_\_\_\_\_

Address

\_\_\_\_\_

\_\_\_\_\_

Telephone No

\_\_\_\_\_

Fax No.

\_\_\_\_\_

Contact Person

\_\_\_\_\_

*(Please Print)*



REVISED: 01/06/2015

# PROVINCE OF KWAZULU-NATAL

DEPARTMENT OF HEALTH

## HEALTH TECHNOLOGY SERVICES (H. T. S.)

SPECIFICATION FOR:

UMDNS: 16157

**SPHYGMOMANOMETERS, ELECTRONIC (HOSPITAL GRADE)  
(WITH OPTIONAL TEMPERATURE MEASUREMENT FUNCTION AND OPTIONAL MOBILE  
STAND)**

**SPECIFICATION: H.T.S. NO. E46 (ELECTRONICS)**

UMDNS: 11179

**Description of Unit:**

**SPHYGMOMANOMETERS, ELECTRONIC (HOSPITAL GRADE)**

**Intended Areas of Use:**

District Hospitals  
Regional Hospitals  
Tertiary Hospitals  
Quaternary Hospitals

**Expert Advisory Group:**

NURSING / FAMILY  
MEDICINE

Dr. Megan Ndoo

SPECIFICATION: H.T.S. E46 (ELECTRONICS)

REVISED: 01/06/2015

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10/07/2015



**NB: GENERAL CLAUSES THAT DO NOT APPLY TO THE EQUIPMENT OFFERED, MUST BE ANSWERED 'NOT APPLICABLE' UNDER BIDDERS COMMENTS.**

NO	SPECIFICATION	BIDDERS COMMENTS: STATE "COMPLIES" OR "DOES NOT COMPLY"
<b>Clause G1.1</b>	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" next to the corresponding clause.	
<b>Clause G1.2</b>	All responses must be clear and legible.	
<b>Clause G2</b>	At the end of the guarantee period the successful bidder must be prepared to enter into a planned preventative maintenance agreement with the Department of Health.	
<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 twelve (12) Months. The successful bidder must arrange with both 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>	State the Guarantee Period. (State the number of years).	
<b>Clause G3.4</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 G3.5</b>	The bidder must state the number of services that will be provided during and up to the end of the guarantee period.	

NO	SPECIFICATION	BIDDERS COMMENTS: STATE "COMPLIES" OR "DOES NOT COMPLY"
Clause G3.6	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 G3.7	Travelling and Travelling Time costs must be included during the Guarantee Period?	
Clause G3.8	Spares that may be required during the Guarantee Period will be supplied at the expense of the bidder.	
Clause G3.9	Downtime during the Guarantee Period must extend the Guarantee time on a Day-to-Day basis.	
Clause G3.10	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 G3.11	The same guarantee conditions must apply to replacement units.	
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	

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	<p style="text-align: center;">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.</p>	
<b>Clause G8</b>	<b>SERVICING:</b>	
<b>Clause G8.1</b>	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).	
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<b>Clause G8.3</b>	State Number of other medical equipment "Repair & Service" Agencies (excluding your Agency) represented by the subcontractor.	
<b>Clause G8.4</b>	Supply the Name, Address and Telephone Number/s of the Local Service Department within KwaZulu-Natal.	
<b>Clause G8.5</b>	State if the Technician(s) are in the direct employ of the bidder or a subcontractor.	
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<b>Clause G8.7</b>	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>	
<b>Clause G8.8</b>	The Institution's requirement is that a technician is available within a reasonable time (24 hours) to attend to malfunctioning equipment. The	

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	Bidder to state the technician per install base e.g. equipment ratio to technician ratio, e.g. 1 technician per 10 pieces of equipment.	
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<b>Clause G11.2</b>	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.	
<b>Clause G12.1</b>	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, Department of Health, KwaZulu-Natal.	
<b>Clause G12.2</b>	The bidder must include a firm commitment in writing, which must be attached to this bid that they would provide ongoing training for end users throughout the life cycle of the equipment offered.	
<b>Clause G13</b>	Spares will be available for _____ years from the original equipment manufacturer for the product offered.	

NO	SPECIFICATION	BIDDERS COMMENTS: STATE "COMPLIES" OR "DOES NOT COMPLY"
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.	
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 (faultfinding), 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 G17.1	Bidder must bid on the latest model and Technology that fully complies with this Technical Specification.	
Clause G17.2	The Bidder must state how long this technology has been commercially available (state when the model offered was launched).	
Clause G17.3	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.	

NO	SPECIFICATION	BIDDERS COMMENTS: STATE "COMPLIES" OR "DOES NOT COMPLY"
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 IEC 60601-1 and 60601-1-2 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.	

NO	SPECIFICATION	BIDDERS COMMENTS: STATE "COMPLIES" OR "DOES NOT COMPLY"
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 licence in terms of the Act on Hazardous Substances (Act. 15/1973) must be submitted with this bid document. The licence must be registered under the bidders name or a 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 not be considered.	
Clause G29.2	Bidder must state the Radiation Control licence number of the make and model of equipment offered.	Licence 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 firm for a period of 6 months 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, 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	<b>UPGRADEABILITY:</b>	
Clause G36.1	Bidders are to state the policy with regard to future software updates and the costs that will be involved.	
Clause	The Bidder to state what hardware and software will be available, with	

<b>NO</b>	<b>SPECIFICATION</b>	<b>BIDDERS COMMENTS: STATE "COMPLIES" OR "DOES NOT COMPLY"</b>
<b>G36.2</b>	costs and projected dates.	
<b>Clause G37</b>	<b>UPGRADE POLICY:</b>	
<b>Clause G37.1</b>	All future upgrades (hardware and software) involving <u>patient safety</u> must be offered at no additional cost.	
<b>Clause G37.2</b>	All future upgrades removing software viruses from existing software must be supplied at no cost.	
<b>Clause G37.3</b>	Any upgrade before or after installation of the equipment involving additional cost must be brought to the attention of the Manager, Health Technology Services.	
<b>Clause G38</b>	The Bidder must indicate the expected life of their offered unit and software in years.	
<b>Clause G39</b>	The Bidder must provide a detailed breakdown of the cost of ownership of their offered system for the life cycle including cost of services, disposables etc. The following formula must be used: Cost of Ownership = Unit Price + Installation / Commissioning costs + Training costs (End User & Technical) + Comprehensive Maintenance / QA checks per year (Net Present Value) X Life expectance in years. The cost of Ownership may be used as part of the feasibility evaluation of bid.	
<b>Clause G40</b>	The successful Bidder at no extra cost must provide additional future training for end users and technical staff on the equipment offered.	



## **TECHNICAL SPECIFICATION.**

### **Clause T1**

This specification establishes the requirements, supply, delivery, end user training, demonstration, commission and installation of an automated, electronic, robust, accurate, reliable and user friendly non-invasive blood pressure measurement device for determining routine blood pressure measurements.

**BIDDER'S COMMENTS:**

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### **Clause T1.2**

The unit offered must be available with an **OPTIONAL BUILT-IN TEMPERATURE MEASUREMENT FUNCTION** and also an **OPTIONAL MOBILE STAND**.

**BIDDER'S COMMENTS:**

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### **Clause T1.3**

The unit offered must be a **HOSPITAL GRADE UNIT** and it must be able to withstand the provision of reliable routine non-invasive blood pressure determinations to at least one hundred (100) patients per day. *for 3 consecutive years*

**BIDDER'S COMMENTS:**

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### **Clause T1.4**

Prospective bidders must note that units designed for **home based care** will not be considered.

**BIDDER'S COMMENTS:**

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### **Clause T2**

The unit offered must be simple to use, its casing must be manufactured from corrosion resistant material and it must provide accurate blood pressure measurement using the oscillometric method.

**BIDDER'S COMMENTS:**

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### **Clause T3**

The unit offered must provide measurement of **SYSTOLIC, DIASTOLIC and PULSE** when carrying out a blood pressure determination and all measurement data must be displayed immediately following the measurement.

**BIDDER'S COMMENTS:**

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**Clause T4**

The unit offered must be a counter / desk top unit. An **OPTIONAL** mobile stand with castors and **OPTIONAL** wall mount bracket must also be available and the catalogue number and price inclusive of **V.A.T.** for both of these options must be supplied on the schedule of optional accessories at the end of this Technical Specification.

**BIDDER'S COMMENTS:**

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**Clause T5**

*For adults small normal and over-size cuffs must be supplied*

The unit offered must be suitable for carrying out both **ADULT** and **PAEDIATRIC NIBP** measurements.

**BIDDER'S COMMENTS:**

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**Clause T6**

The unit offered must be provided with a large, easy to read display screen, which must provide clear viewing under all lighting conditions.

**BIDDER'S COMMENTS:**

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**Clause T7**

The unit must function off the 220 Volt  $\pm$  10%, 50Hz single phase a.c. supply.

**BIDDER'S COMMENTS:**

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**Clause T8**

The unit must also function off an internally mounted rechargeable battery which must be supplied fitted to the unit offered. The rechargeable battery fitted internally to the unit shall provide a minimum of 100 measurements (on a new fully charged battery) in continuous use before the battery will require a re-charge. *300*

**BIDDER'S COMMENTS:**

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**Clause T9**

The battery charger / power supply must be supplied, at no extra charge and as part and parcel of the unit offered.

**BIDDER'S COMMENTS:**

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**Clause T10**

The systolic determination range must be in a range of at least 60mmHg up to 250mmHg.

**BIDDER'S COMMENTS:**

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**Clause T11**

The diastolic determination range must be in a range of at least 30mmHg up to 160mmHg.

**BIDDER'S COMMENTS:**

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**Clause T12**

The pulse measuring range must be at least 40 up to 300 pulses / minute.

**BIDDER'S COMMENTS:**

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**Clause T13**

The blood pressure accuracy must meet or exceed SP10-1992 AAMI standards.

**BIDDER'S COMMENTS:**

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**Clause T14**

The cuff pressure range must be typically 0 to 300mmHg.

**BIDDER'S COMMENTS:**

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**Clause T15**

The unit offered must be supplied, at no extra cost, with one latex free air hose which must provide both the machine and cuff connections.

**BIDDER'S COMMENTS:**

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**Clause T16**

The unit offered must be supplied with a minimum of three cuffs as follows: one **ADULT** latex free bladderless re-usable cuff, one extra **LARGE ADULT** latex free bladderless reusable cuff and one **PAEDIATRIC** re-usable latex free bladderless cuff. The cost of the cuffs must be included in the final bid price.

**BIDDER'S COMMENTS:**

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**Clause T17**

**OPTIONAL – BUILT-IN TEMPERATURE MEASUREMENT FUNCTION:**

**Clause 17.1**

An **OPTIONAL BUILT-IN TEMPERATURE MEASUREMENT FUNCTION** must be available and supplied as an **OPTIONAL FUNCTION**, at the customers request, with the unit offered. **Units that do not offer the OPTIONAL built-in temperature function will not be considered and NOR will units supplied with a separate stand alone temperature measurement function be considered.**

**BIDDER'S COMMENTS:**

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**Clause T17.1.2**

The **OPTIONAL** built-in temperature measurement function must provide rectal, oral and axillary temperature measurements for both adults and paediatrics.

**BIDDER'S COMMENTS:**

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**Clause T17.1.3**

The bidder must provide the cost, inclusive of V.A.T. of the **OPTIONAL BUILT-IN TEMPERATURE MEASUREMENT FUNCTION** on the schedule of optional accessories at the end of this technical specification.

**BIDDER'S COMMENTS:**

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**Clause T17.2**

The bidder must provide the prices of the rectal, oral and axillary temperature measurement probes for both adults and paediatrics on the schedule of optional accessories at the end of this technical specification.

**BIDDER'S COMMENTS:**

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**Clause T17.3**

The temperature measurement function on the unit offered must be reliable and it must provide reliable temperature measurements.

**BIDDER'S COMMENTS:**

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**Clause T17.3.1**

The bidder must state the accuracy of the temperature measurement.

**BIDDER'S COMMENTS:**

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**Clause T17.4**

The bidder must supply 1x ADULT and 1x PAEDIATRIC temperature measurement probes to the customer's choice, together with a starter pack of disposable sleeves to fit the temperature probe sensing end, as part and parcel of the BUILT-IN TEMPERATURE MEASUREMENT FUNCTION and the cost of these probes and the starter pack of disposable sleeves must be included in the final bid price.

**BIDDER'S COMMENTS:**

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**Clause T17.5**

The bidder must provide the cost of the disposable sleeves used at the sensing end of the temperature measurement probes, on the schedule of optional accessories at the end of this technical specification.

**BIDDER'S COMMENTS:**

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**Clause T18**

The unit offered must be provided with a carry handle.

**BIDDER'S COMMENTS:**

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**Clause T19**

**OPTIONAL MOBILE STAND:**

**Clause T19.1**

An OPTIONAL MOBILE STAND manufactured from corrosion proof material must be available for the unit offered and supplied as an optional item at the customer's request.

**BIDDER'S COMMENTS:**

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**Clause T19.2**

The OPTIONAL MOBILE STAND must be equipped with a well balanced base that that will not easily tip over and it shall be fitted with an appropriate number of castors.

**BIDDER'S COMMENTS:**

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**Clause T19.3**

At least two of the castors of the OPTIONAL MOBILE STAND must be lockable.

**BIDDER'S COMMENTS:**

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**Clause T19.4**

The cost, inclusive of V.A.T., of the OPTIONAL MOBILE STAND must be provided on the schedule of optional accessories at the end of this technical specification.

**BIDDER'S COMMENTS:**

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**Clause T20**

**UPGRADABILITY**

All future upgrades (hardware and software), where applicable, involving patient safety must be supplied at no additional cost.

All future upgrades removing software viruses from existing software, where applicable, must be supplied at no additional cost.

Any software upgrade, where applicable, before or after installation of the equipment must be brought to the attention of the CEO of the Institution and the Manager, Health Technology Services.

**BIDDER'S COMMENTS:**

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**Clause T21**

**MANUALS**

The bidder must include in their offer at no extra cost to the final bid price:

- (a) Complete user Operation/Maintenance Manual x 2 (two) Book/File; CD; DVD copies in English Language
- (b) Complete **ORIGINAL** Service/Repair Manual x 2 (two) Book/File; CD; DVD copies in English Language which **MUST** include the following information:
  - (i) Fault Finding Guide
  - (ii) Circuit Diagrams/Schematics
  - (iii) Circuit Descriptions
  - (iv) PCB Layouts
  - (v) Calibration Guide
  - (vi) 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 BEING DISQUALIFIED.**

**Clause T22**

**RADIATION CONTROL LICENCE**

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'S COMMENTS:**

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**Clause T23**

**GUARANTEE / WARRANTY**

The bidder must provide a warranty/ guarantee of minimum 12 months period, but preference will be given to bidders offering a 24-month warranty / guarantee period.

**BIDDER'S COMMENTS:**

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**Clause T24**

**MAINTENANCE AND SERVICE AGREEMENT**

The bidder must provide a fully-costed FULLY COMPREHENSIVE MAINTENANCE AND SERVICE AGREEMENT for a period of 3 years to commence upon termination of the guarantee / warranty period with an option to enter into a renewable agreement.

**BIDDER'S COMMENTS:**

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## 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. \_\_\_\_\_

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

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

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

BIDDER \_\_\_\_\_

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

ADDRESS \_\_\_\_\_

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

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

