






Quotation Advert

Opening Date: 28/01/2019 
Closing Date: 05/02/2018 
Closing Time: 11:00

INSTITUTION DETAILS

Institution Name: Edendale hospital 
Province: KwaZulu-Natal
Department or Entity: Department of Health
Division or section: Central Supply Chain Management
Place where goods / services is required Edendale Hospital
Date Submitted 28/01/2019 

ITEM CATEGORY AND DETAILS

Quotation Number: ZNQ: 1376/18
Item Category: Goods 

Item Description:

| |
|--------------|
| dental chair |
| |
| |
| |

Quantity (If supplies) 01 unit


COMPULSORY BRIEFING SESSION / SITE VISIT

Select Type: Select... 
Date : 
Time:
Venue:

QUOTES CAN BE COLLECTED FROM: Edendale Hospital Supply Chain Management

QUOTES SHOULD BE DELIVERED TO: Edendale Hospital Blue Tender box by main gate

ENQUIRIES REGARDING THE ADVERT MAY BE DIRECTED TO:

Name: Philani
Email: philani.moyo@kznhealth.gov.za
Contact Number: 033 395 4569
Finance Manager Name: Mr. R. Thangalan
Finance Manager Signature: 

No late quotes will be considered

PROVINCE OF KWAZULU-NATAL
DEPARTMENT OF HEALTH
HEALTH TECHNOLOGY SERVICES
(H.T.S)

SPECIFICATION FOR:

UMDNS: 10792

DENTAL SYSTEM (COMPLETE PACKAGE)

SPECIFICATION: H.T.S. – C.E. NO. S86A (SURGICAL)

**Description of Unit: Dental chair system complete package
for dental procedures at all levels of care excluding clinics**

Intended Areas of Use:

CHC

District Hospitals

Regional Hospitals

Tertiary Hospitals

Expert Advisory Group:

Non Communicable Diseases

Dr J Mthethwa

Dr S Madikizela

Dr S Singh

Dr M Mbili

Dr V Rughubar

Dr H Misra

Dr S Ngema

Dr C Kruze

Senior Tech MR C Cowlen

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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 | 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. | |

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| 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 : _____ _____ <i>(The Health Technology Services reserves the right to inspect the premises).</i> | |

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| 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. | |

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

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

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|---------------------|--|---|
| | 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. | |
| Clause G37 | UPGRADE POLICY: | |
| 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. | |

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TECHNICAL SPECIFICATION.

SCOPE OF WORK

This specification establishes the requirements, supply, delivery, end user training, demonstration, commissioning and installation of a Dental Chair Complete Package that comprises of the latest technology, and in addition to providing robustness and proven reliability, the system must be very user friendly, which must include the following items as a complete package. The bidder must quote for all these items as one package and must be included in the final bid price.

- (a) Dental Chair including operating light, complete with delivery unit, spittoon and suction station
- (b) 1 x Contra-Angle fast hand piece
- (c) 1 x Contra-Angle slow hand piece
- (d) 1 x Air Motor
- (e) 1 x Ultrasonic Scaler
- (f) 1 x Curing Light
- (g) 1 x Compressor with protective cage
- (h) 1 x Prophylaxis head
- (i) 1 x Suction Motor

NB: All plumbing and electrical structure where necessary to be installed and any structural modifications required must be done in close liaison with the Infrastructure Development and Clinical Support directorate of the Department of Health, KwaZulu-Natal.

BIDDER'S COMMENTS:

Clause T1

The chair must offer an anatomically contoured seat and backrest providing full support in all positions that is suitable for dental treatment of both adults and children.

Clause T2: DENTAL CHAIR:

Clause T2.1

The unit quoted for must be of multi – position back adjustment, position from 80° upright to supine.

BIDDER'S COMMENTS:

Clause T2.2

The Chair offered must have a programmable panel fitted, so that it can be easily accessible to either left or right handed operators.

Clause T2.3

The unit offered must have double articulating headrest and to be reversible, removable arms with sling supports.

Clause T2.4

The unit offered armrest must support the elbows of the patient and must be movable to allow for easy entry and exit, upholstered.

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Clause T2.5

The unit offered stress points of the seat and the back rest must be supported by cast aluminum or durable metal.

Clause T3

The unit offered must have at least two programmable working positions, plus return.

BIDDER'S COMMENTS:

Clause T4**CHAIR BASE**

The unit offered must have elevation movement with high degree of lateral rigidity is essential.

Clause T5

Raising and lowering with a centrally and placed load in a minimum range of 130Kg to 150Kg plus additional 80Kg offset to the left or right of the centre line of the chair by approximately 60cm is essential.

BIDDER'S COMMENTS:

Clause T6

Split backrest and headrest with built in Trendellenburg mechanism is required and the backrest must be thin with the upper Section not thicker than 80 to 100cm.

BIDDER'S COMMENTS:

Clause T7

Footswitch controls must be fitted to the chairbase to facilitate both height and trendellenburg adjustments.

Clause T8

All Chair functions must be able to be controlled via the multifunction footswitch control.

Clause T9

The electro-mechanical/hydraulic system must be fitted in the chair base.

Clause T10

The chair must be upholstered with a durable water proof material which can be easily washable and withstand disinfectant.

BIDDER'S COMMENTS:

Clause T11

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A replaceable plastic cover must be provided to ensure protection to the upholstery in the shoe/foot area.

Clause T12

Bidders must note that only low voltage switching up to a maximum of 24 (twenty four) volts will be accepted.

Clause T13

DENTAL OPERATING LIGHT:

Clause T13.1

The operating light must be mounted to the chair, it must be a compact support arm unit attachment and it must allow for all positions in the upper and lower jaw quadrants with the patient seated or fully reclined.

Clause T13.2

The light intensity must be variable in a minimum range of 9000 or 25,000 lux.

BIDDER'S COMMENTS:

Clause T13.3

The colour temperature must be constant at all levels at no less than 4500 kelvin.

BIDDER'S COMMENTS:

Clause T13.4

The light range (field) must be at least 100mm – 200mm with no glare for the patient.

BIDDER'S COMMENTS:

Clause T13.5

The operating light must be fitted with Light Emitting Diode (LED) or halogen bulb.

Clause T13.6

The lamps employed on the unit must be freely available on the local market and 1 (one) spare bulb must be supplied as part and parcel of this bid / quotation.

Clause T13.7

The **ON / OFF** switch must be variable with light intensity control must be provided without changing the colour temperature

Clause T13.8

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A durable, protective and removable shield to cover the lamp and reflector must be incorporated to the operating light head.

Clause T14

The system tendered for must have an **ON / OFF** adjustable control, water coolant, foot control, water container, air filter, pressure regulator and pressure gauge.

Clause T15

DELIVERY UNIT:

Clause T15.1

The unit offered must have the ability to be mounted to either left or right side of the chair with swiveling spittoon bowl housing and bowl support.

Clause T15.2

The unit offered must have outlets for one turbine and one air motor with 4 –hole standard connections and a Scaler attachment must be included and the cost of be in the final bid price.

BIDDER'S COMMENTS:

Clause T15.3

The unit offered must have attached X-Ray view box for Intra-oral film

Clause T15.4

The unit offered must have 3 in 1 syringe with pinch valve technique and sterilisable sleeve and nozzle.

Clause T15.5

The unit offered must have variable selection of the hand piece speed via the foot controller.

Clause T15.6

The unit offered must have a master ON/OFF switch provided at the connection box

Clause T15.7

The unit offered must have a console with water flow control valve for each hand piece, if not incorporated in the hand piece.

Clause T15.8

The console of the unit offered must have 4 control switches for the following:

- (a) On /off hand piece water/air spray
- (b) On/off hand piece air spray coolant
- (c) On/off suction control
- (d) On/off tumbler filler
- (e) On/off spittoon bowl rinse

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- (f) Water outlet for ultrasonic scaler

BIDDER'S COMMENTS:

Clause T15.9

The unit offered must have individual hand piece pressure adjustments and reliable water retraction system required.

Clause T15.10

The unit offered must have free hanging straight hoses (tubing) which must withstand 100 psi pressure.

Clause T16

WATER UNIT/CUSPIDOR/SPITTOON

Clause T16.1

The unit offered must have the following:

- (a) Chair mounted either left or right
- (b) Spittoon must be removable without any tools for easy cleaning
- (c) Ceramic bowls spittoon
- (d) Water tumbler filler
- (e) Spittoon flush facility
- (f) Solids trap for spittoon bow
- (g) Selective holder consisting of:
 - (i) Solids collector
 - (ii) One High Volume Ejector (HVE) suction tube
 - (iii) One saliva ejector tube
 - (iv) Shut off valve incorporated
 - (v) Low voltage remote control
 - (vi) 5 Autoclavable HVE cannulas to be supplied
 - (vii) Mounted to chair /cuspidor/water unit

BIDDER'S COMMENTS:

Clause T17

CENTRAL SUCTION MOTOR TO SERVE MINIMUM OF TWO (2) DENTAL CHAIR SYSTEMS

Clause T17.1

The unit offered must have the following:

- (a) Dual suction pump with a minimum of two (20 horse power (HP)
- (b) Durable construction
- (c) 220 to 240v, 50 Hz power source
- (d) Induction motor
- (e) Two stage turbine
- (f) Maximum electrical wattage of 0.55kW

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- (g) Maximum revolutions of 2800 rpm
- (h) Noise level must not exceed 65 decibel
- (i) Control panel fitted for 24v control to suit selective holder
- (j) Must be a solid trap
- (k) Must be compatible to unit supplied

BIDDER'S COMMENTS:

Clause T18

AIR COMPRESSOR TO SERVE MINIMUM OF TWO (2) DENTAL CHAIR SYSTEMS.

The air compressor offered must be silent, double cylinder, oil free type, which operates of 220 volts \pm 10% 50Hz, single phase a.c. supply.

Clause T18.1

The unit offered must have the following:

- (a) 220 to 240v, 1.5kW with built in thermo overload protection.
- (b) Delivery capacity not less than 23l/min with max pressure of 1000kpa
- (c) Storage capacity of 50l
- (d) Fitted with safety release valve
- (e) Automatic solenoid water drainage valve to be fitted
- (f) Tank pressure gauge
- (g) Pressure range control switch, 6 to 10 bar
- (h) Noise level not more than 79 decibel
- (i) To be either piston or turbine type
- (j) Oil free with automatic drainage system
- (k) Air filter for filtration of 10 micron particles, with automatic drain valve
- (l) Reverse pressure exhaust valve for motor protection

BIDDER'S COMMENTS:

Clause T19

ULTRASONIC SCALER

Clause T19.1

The unit offered must have the following:

- (a) Operate off 220 to 240v, 50 Hz power supply source
- (b) Must be magneto-restrictive type
- (c) Power of unit must be 30kHz/sec
- (d) Movement of tip must be elliptical
- (e) Auto tune must be present but variable power with control knob
- (f) Motional feedback from tip for power compensation must be present
- (g) Control hand piece and tips must be autoclavable up to 135°C for infection control
- (h) Water cooling through tip with volume control knob
- (i) Master on/off switch with indicator light must be fitted
- (j) 1 x set of three (3) standard Scaler tips minimum must be supplied

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- (k) Tips must be interchangeable without the use of any tools
- (l) A 15 amp 3 pin plug must be supplied

BIDDER'S COMMENTS:

Clause T20

AIR MOTOR

Clause T20.1

The unit offered must have the following:

- (a) The speed range 5000 – 40 000 rpm
- (b) Output 20 Watt power, min of 4 Ncm torque
- (c) E-type quick coupling
- (d) Forward and reverse rotation
- (e) Weight not to exceed 90g speed control selector by means of control ring
- (f) Specified hand pieces
- (g) Water/spray air facility must be incorporated internally
- (h) Max air consumption 45l/min
- (i) Must be autoclavable up to 135°C
- (j) Quick coupling for easy lubrication

BIDDER'S COMMENTS:

Clause T21

PROPHYLAXIS HAND PIECE

Clause T21.1

The unit offered must have the following:

- (a) Must be standard transmission 1.1
- (b) Must fit E-type quick disconnection
- (c) Must have sealed ball bearings
- (d) Must accept Snap-On or screw-in cups and brushes
- (e) Must be autoclavable up to 135°C

BIDDER'S COMMENTS:

Clause T22

CONTRA-ANGLE HAND PIECES FOR AIR MOTOR (1 X FAST & 1 X SLOW)

Clause T22.1

The unit offered must have the following:

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- (a) Must be standard transmission 1.1
- (b) Must be push button type system
- (c) Must ball bearing type
- (d) Max speed must be 40 000 rpm
- (e) Must accommodate ISO type 204. 2.35mm diameter latch type burs
- (f) Must be E-type quick disconnection
- (g) Water spray must be incorporated internally
- (h) Autoclavable up to 135°C

BIDDER'S COMMENTS:

Clause T23

VISIBLE WHITE CURING LIGHT – CORDLESS

Clause T23.1

The unit offered must have the following:

- (a) The light must operate at voltage 220 – 240. 50Hz
- (b) The power input must be 100 Watts
- (c) Separate power unit and hand held light gun
- (d) Wave length of emitted light must be min 400Nm, max 500Nm
- (e) The light must have built-in overheat protection
- (f) Power unit must be connected by electrical cord
- (g) The light must have a 360° swiveling light guide (autoclavable)
- (h) The light must have finger-activated on/off switch on light gun
- (i) The light must have interchangeable light guides sizes i.e. curved 3mm & 8mm
- (j) The light must be long life halogen lamp (min 10 000 during cycles) or LED
- (k) The lamp replacement must be easily done by the end user
- (l) Spare lamps must be easily obtainable on the local market
- (m) The light must have a built-in cooling fan, continuous, running 40 seconds after the light switches off
- (n) A 15 amp 3 pin plug must be supplied

BIDDER'S COMMENTS:

Clause T24

INSTALLATION

Clause T24.1

- (a) The successful bidder must install fully functional unit to the satisfaction of DOH and in consultation with Infrastructure Development.
- (b) The successful bidder must familiarize themselves with all the installation requirements at various sites

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- (c) The dental chairs must be installed and commissioned at various institutions across the province (see attached list)
- (d) Where necessary the bidder must decommission and remove existing old equipment
- (e) All compressors supplied must be caged accordingly

NB: Any structural modifications required must be done in close liaison with the Infrastructure Development and Clinical Support directorate of the Department of Health, KwaZulu-Natal.

BIDDER'S COMMENTS:

Clause T25

DENTAL ASSISTANT STOOL MUST BE INCLUDED IN THE FINAL TENDER PRICE AND SUPPLIED TO THE FOLLOWING SPECIFICATION:

Clause T25.1

The unit quoted for must be provided with a padded back and seat.

Clause T25.2

The unit quoted for must be naugahyde upholstered.

Clause T25.3

The unit quoted for must have a full body support arm with ratchet release and pneumatic adjustable seat height.

Clause T26

DENTAL OPERATORS STOOLS MUST BE INCLUDED TO THE FINAL TENDER PRICE AND SUPPLIED TO THE FOLLOWING SPECIFICATION:

Clause T26.1

The unit quoted for must be pneumatic adjustable seat height, high grade vinly upholstery.

Clause T26.2

The unit quoted for must have wheels and must be fitted with brakes.

Clause T27

Bidder to state any additional accessories required and prices on the schedule of optional accessories form that is attached at the end of the technical specification.

BIDDER'S COMMENTS:

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Clause T28

GUARANTEE/WARRANTY

The bidder must provide a warranty/ guarantee of minimum 24 months period.

BIDDER'S COMMENTS:

Clause T32

MAINTENANCE AND SERVICE AGREEMENT

The bidder must provide a fully costed maintenance and service agreement for a period of 3 years to commence upon termination of the guarantee period.

BIDDER'S COMMENTS:

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SCHEDULE OF ACCESSORIES

Bidders must quote the price of the accessories 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.

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SCHEDULE OF OPTIONAL ACCESSORIES

Bidders must quote the price of the optional accessories 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 |
|--------|------|---------------------|
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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)

Bidder to Sign and Date every Page

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