



Quotation Advert

Opening Date: 2020-10-22

Closing Date: 2020-11-02

Closing Time: 11:00

INSTITUTION DETAILS

Institution Name: Osindisweni hospital

Province: KwaZulu-Natal

Department or Entity: Department of Health

Division or section: Central Supply Chain Management

Place where goods / services is required: Osindisweni Hospital , Oakford Road , Verulam..4340

Date Submitted: 2020-10-20

ITEM CATEGORY AND DETAILS

Quotation Number: ZNQ: 145-08-2020/21

Item Category: Goods

Item Description: DENTAL INSTRUMENTS AND EQUIPMENTS
" AS PER ATTACHED SPECIFICATIONS "

Quantity (if supplies): 28

COMPULSORY BRIEFING SESSION / SITE VISIT

Select Type: Not Applicable

Date : Not Applicable

Time: Not Applicable

Venue: Not Applicable

QUOTES CAN BE COLLECTED FROM: PRINT FROM WEBSITE

QUOTES SHOULD BE DELIVERED TO: OSINDISWENI HOSPITAL IN BOX NEAR MAIN SECURITY GATE

ENQUIRIES REGARDING THE ADVERT MAY BE DIRECTED TO:

Name: Suresh Parsutom

Email: NO e-mailed Quotes Accepted = Only FAX OR DROP OFF

Contact Number: 032-5419342

Finance Manager Name:

Finance Manager Signature: 

OFFICIAL PRICE PAGE FOR QUOTATIONS

ZNQ NUMBER: 145 -08-2020/2021

DESCRIPTION: **DENTAL INSTRUMENTS AND EQUIPMENTS**

SIGNATURE OF BIDDER DATE.....
 [By signing this document I hereby agree to all terms and conditions]

CAPACITY UNDER WHICH THIS QUOTE IS SIGNED.....

Item No	Quantity	Description	Brand & model	Country of manufacture	Price	
					R	c
	01 UNIT	X-RAY ARM - WALL MOUNTED WITH CONE AND GUIDES (MUST INCLUDE LICENSE AND SIGNAGE)				
	01 UNIT	DENTAL MATERIAL MOBILE MOBILE CABINET (5 DRAWER ON CASTORS)				
	01 UNIT	MAINTENANCE STAND FOR HANDPIECES				
	01 UNIT	DENTAL AUTOCLAVE - HIGH SPEED - STANDARD SIZE				
	02 UNITS	FAST HANDPIECE - AIR TURBINE NSK - TO FIT CONVENTIONAL 4 HOLE HOSE ARRANGEMENT				
	02 UNITS	SCALPEL HANDLE No : 3 / SIZE 3				
	01 UNIT	SCRATCH DENTAL BAR CLEANING BRUSH - No : 3 WITH TELESCOPIC HANDLE				
	02 UNITS	TRAY - INSERT - DENTAL INSTRUMENTS AND SUPPLY CABINET : DIVIDED 244 MM X 359 MM BLUE				
	10 UNITS	DENTAL SYRINGE - BREACH LOADING				
	01 UNIT	FINISHING AND POLISHING KIT - COMPOSITE RESTORATIONS - DENYSPLY - DISCS - POINTS - CUPS - MANDRELS AND GLOSS KIT				
	01 UNIT	STERILE WATER MAKER - DISTILLED WATER				
	01 UNIT	DIGITAL X-RAY SENSORS - PERI-APICAL AND BITEWING - WITH COMPUTER SOFTWARE , USB CONNECTED FOR DIGITAL RADIOGRAPHY				
	04 UNITS	ULTRASONIC SEALING TIPS No's G1-G4-G6-G8 NSK VARIOS 2 -- SCALING HANDPIECE COMPATIBLE (ATTACHED ORDER CODES) " SPECIFICATIONS ATTACHED "				
VALUE ADDED TAX @ 15% (Only if VAT Vendor)						
TOTAL QUOTATION PRICE (VALIDITY PERIOD 60 Days)						

Does This Offer Comply With The Specification?	Does The Article Conform To The S.A.N.S. / S.A.B.S. Specification?
Is The Price Firm?	State Delivery Period E.G. E.G. 1day, 1week

<p>Enquiries regarding the quote may be directed to:</p> <p>Contact Person: Suresh Parsuram Tel: 032-5419340</p> <p>E-Mail Address: NO EMAIL OR FAX ACCEPTED</p>	<p>Enquiries regarding technical information may be directed to:</p> <p>Contact Person: DR L.NAIDOO Tel: 032-5419240</p>
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SPECIAL CONTRACT CONDITIONS OF QUOTATIONS

1. AMENDMENT OF CONTRACT

- 1.1. Any amendment to or renunciation of the provisions of the contract shall at all times be done in writing and shall be signed by both parties.

2. CHANGE OF ADDRESS

- 2.1. Bidders must advise the Department of Health (institution where the offer was submitted) should their address (*domicilium citandi et executandi*) details change from the time of bidding to the expiry of the contract.

3. GENERAL CONDITIONS ATTACHED TO THIS QUOTATION

- 3.1. The institution is under no obligation to accept the lowest or any quote.
- 3.2. The price quoted must include VAT (if VAT vendor). However, it must be noted that the department reserves the right to evaluate all quotations excluding VAT as some bidders may not be VAT vendors.
- 3.3. The bidder must ensure the correctness & validity of quote:
- (i) *that the price(s), rate(s) & preference quoted cover all for the work/item (s) & accept that any mistakes regarding the price (s) & calculations will be at the bidder's risk*
- 3.4. The bidder must accept full responsibility for the proper execution & fulfilment of all obligations conditions devolving on under this agreement, as the Principal (s) liable for the due fulfilment of this contract.
- 3.5. This quotation will be evaluated based on the 80/20 points system, specification & correctness of information. All required documentation must be completed in full and submitted.
- 3.6. Offers must comply strictly with the specification.
- 3.7. Only offers that meet or are greater than the specification will be considered.
- 3.8. Late quotes will not be considered.
- 3.9. Expired product/s will not be accepted. All products supplied must be valid for a minimum period of six months.
- 3.10. A bidder not registered on the Central Suppliers Database or verification has failed will not be considered.
- 3.11. All delivery costs must be included in the quote price, for delivery at the prescribed destination.
- 3.12. Only firm prices will be accepted. Such prices must remain firm for the contract period. Non-firm prices (including rates of exchange variations) will not be considered.
- 3.13. In cases where different delivery points influence the pricing, a separate pricing schedule must be submitted for each delivery point.
- 3.14. In the event of a bidder having multiple quotes, only the cheapest according to specification will be considered. Furthermore a verification will be done to identify if bidders have multiple companies and are quoting (cover-quoting) for this bid. In such instances only the cheapest bid according to specification will be considered.

4. SPECIAL INSTRUCTIONS AND NOTICES TO BIDDERS REGARDING THE COMPLETION OF THIS QUOTATION.

- 4.1. Unless inconsistent with or expressly indicated otherwise by the context, the singular shall include the plural and vice versa and with words importing the masculine gender shall include the feminine and the neuter.
- 4.2. Under no circumstances whatsoever may the quotation/bid forms be retyped or redrafted. Photocopies of the original bid documentation may be used, but an original signature must appear on such photocopies.
- 4.3. The bidder is advised to check the number of pages and to satisfy himself that none are missing or duplicated.
- 4.4. Quotation submitted must be complete in all respects.
- 4.5. Any alteration made by the bidder must be initialled.
- 4.6. Use of correcting fluid is prohibited
- 4.7. Quotation will be opened in public as soon as practicable after the closing time of quotation.
- 4.8. Where practical, prices are made public at the time of opening quotations.
- 4.9. If it is desired to make more than one offer against any individual item, such offers should be given on a photocopy of the page in question. Clear indication thereof must be stated on the schedules attached.

5. SPECIAL INSTRUCTIONS REGARDING HAND DELIVERED QUOTATIONS

- 5.1. Quotation shall be lodged at the address indicated not later than the closing time specified for their receipt, and in accordance with the directives in the quotation documents.
- 5.2. Each quotation shall be addressed in accordance with the directives in the quotation documents and shall be lodged in a separate sealed envelope, with the name and address of the bidder, the quotation number and closing date indicated on the envelope. The envelope shall not contain documents relating to any quotation other than that shown on the envelope. If this provision is not complied with, such quotations/bids may be rejected as being invalid.
- 5.3. All quotations received in sealed envelopes with the relevant quotation numbers on the envelopes are kept unopened in safe custody until the closing time of the quotation/bids. Where, however, a quotation is received open, it shall be sealed. If it is received without a quotation/bid number on the envelope, it shall be opened, the quotation number ascertained, the envelope sealed and the quotation number written on the envelope.
- 5.4. A specific box is provided for the receipt of quotations, and no quotation found in any other box or elsewhere subsequent to the closing date and time of quotation will be considered.

- 5.5. No quotation/bid sent through the post will be considered if it is received after the closing date and time stipulated in the quotation documentation, and proof of posting will not be accepted as proof of delivery.
- 5.6. Quotation documents must not be included in packages containing samples. Such quotations may be rejected as being invalid.


6. SAMPLES

- 6.1. In the case of the quote document stipulating that samples are required, the supplier will be informed in due course when samples should be provided to the institution. (This decreases the time of safety and storage risk that may be incurred by the respective institution). The bidders sample will be retained if such bidder wins the contract.
- (i) If a company/s who has not won the quote requires their samples, they must advise the institution in writing of such.
- (ii) If samples are not collected within three months of close of quote the institution reserves the right to dispose of them at their discretion.
- 6.2. **Samples must be made available when requested in writing or if stipulated on the document.**
- (i) If a Bidder fails to provide a sample of their product on offer for scrutiny against the set specification when requested, their offer will be rejected. All testing will be for the account of the bidder.

7. COMPULSORY SITE INSPECTION / BRIEFING SESSION

7.1. Bidders who fail to attend the compulsory meeting will be disqualified from the evaluation process.

- (i) The institution has determined that a compulsory site meeting take place
- (ii) Date / / Time : Place =

Institution Stamp: 	Institution Site Inspection / briefing session Official Full Name: <u>SUNESH PARANJAN</u> Signature: <u>[Handwritten Signature]</u> Date: <u>22-10-2020</u>
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8. STATEMENT OF SUPPLIES AND SERVICES

8.1. The contractor shall, when requested to do so, furnish particulars of supplies delivered or services executed. If he/she fails to do so, the Department may, without prejudice to any other rights which it may have, institute inquiries at the expense of the contractor to obtain the required particulars.

9. SUBMISSION AND COMPLETION OF SBD 6.1

9.1. Should a bidder wish to qualify for preference points they must complete a SBD 6.1 document. Failure by a bidder to provide all relevant information required, will result in such a bidder not being considered for preference point's allocation. The preferences applicable on the closing date will be utilized. Any changes after the closing date will not be considered for that particular quote.

10. TAX COMPLIANCE REQUIREMENTS

- 10.1. In the event that the tax compliance status has failed on CSD, **it is the suppliers' responsibility to provide a SARS pin in order for the institution to validate the tax compliance status of the supplier.**
- 10.2. In the event that the institution cannot validate the suppliers' tax clearance on SARS as well as the Central Suppliers Database, **the quote will not be considered and passed over as non-compliant according to National Treasury Instruction Note 4 (a) 2016/17.**

11. TAX INVOICE

11.1. A tax invoice shall be in the currency of the Republic of South Africa and shall contain the following particulars:

- | | |
|---|---|
| (i) the name, address and registration number of the supplier;
(ii) the name and address of the recipient;
(iii) an individual serialized number and the date upon which the tax invoice is issued; | (iv) a description and quantity or volume of the goods or services supplied;
(v) the official department order number issued to the supplier;
(vi) the value of the supply, the amount of tax charged;
(vii) the words tax invoice in a prominent place. |
|---|---|

12. PATENT RIGHTS

The supplier shall indemnify the **KZN Department of Health** (hereafter known as the purchaser) against all third-party claims of infringement of patent, trademark, or industrial design rights arising from use of the goods or any part thereof by the purchaser.

13. PENALTIES

- 13.1. If at any time during the contract period, the service provider is unable to perform in a timely manner, the service provider must notify the institution in writing/email of the cause of and the duration of the delay. Upon receipt of the notification, the institution should evaluate the circumstances and, if deemed necessary, the institution may extend the service provider's time for performance.
- 13.2. In the event of delayed performance that extends beyond the delivery period, the institution is entitled to purchase commodities of a similar quantity and quality as a substitution for the outstanding commodities, without terminating the contract, as well as return commodities delivered at a later stage at the service provider's expense.
- 13.3. Alternatively, the institution may elect to terminate the contract and procure the necessary commodities in order to complete the contract. In the event that the contract is terminated the institution may claim damages from the service provider in the form of a penalty. The service provider's performance should be captured on the service provider database in order to determine whether or not the service provider should be awarded any contracts in the future.
- 13.4. If the supplier fails to deliver any or all of the goods or to perform the services within the period(s) specified in the contract, the purchaser shall, without prejudice to its other remedies under the contract, deduct from the contract price, as a penalty, a sum calculated on the delivered price of the delayed goods or unperformed services using the current prime interest rate calculated for each day of the delay until actual delivery or performance.

14. TERMINATION FOR DEFAULT

- 14.1. The purchaser, without prejudice to any other remedy for breach of contract, by written notice of default sent to the supplier, may terminate this contract in whole or in part:
 - (i) if the supplier fails to deliver any or all of the goods within the period(s) specified in the contract,
 - (ii) if the supplier fails to perform any other obligation(s) under the contract; or
 - (iii) if the supplier, in the judgment of the purchaser, has engaged in corrupt or fraudulent practices in competing for or in executing the contract.
- 14.2. In the event the purchaser terminates the contract in whole or in part, the purchaser may procure, upon such terms and in such manner as it deems appropriate, goods, works or services similar to those undelivered, and the supplier shall be liable to the purchaser for any excess costs for such similar goods, works or services.
- 14.3. Where the purchaser terminates the contract in whole or in part, the purchaser may decide to impose a restriction penalty on the supplier by prohibiting such supplier from doing business with the public sector for a period not exceeding 10 years.

15. FAILURE TO COMPLY WITH ABOVE WILL RESULT IN YOUR QUOTE BEING PASSED OVER.

PREFERENCE POINTS CLAIM FORM IN TERMS OF THE PREFERENTIAL PROCUREMENT REGULATIONS 2017

This preference form must form part of all quotes invited. It contains general information and serves as a claim form for preference points for Broad-Based Black Economic Empowerment (B-BBEE) Status Level of Contribution

NB: BEFORE COMPLETING THIS FORM, BIDDERS MUST STUDY THE GENERAL CONDITIONS, DEFINITIONS AND DIRECTIVES APPLICABLE IN RESPECT OF B-BBEE, AS PRESCRIBED IN THE PREFERENTIAL PROCUREMENT REGULATIONS, 2017.

1. GENERAL CONDITIONS

- 1.1 The following preference point systems are applicable to all quotes:
- the 80/20 system for requirements with a Rand value of up to R50 000 000 (all applicable taxes included); and
- 1.2 The value of this quote is estimated to not exceed R50 000 000 (all applicable taxes included) and therefore the 80/20 preference point system shall be applicable.
- 1.3 Points for this quote shall be awarded for:
- (a) Price; and
 - (b) B-BBEE Status Level of Contributor.
- 1.4 The maximum points for this quote is allocated as follows:

	POINTS
PRICE	80
B-BBEE STATUS LEVEL OF CONTRIBUTOR	20
Total points for Price and B-BBEE must not exceed	100

- 1.5 Failure on the part of a bidder to submit proof of B-BBEE Status level of contributor together with the quote, will be interpreted to mean that preference points for B-BBEE status level of contribution are not claimed.
- 1.6 The purchaser reserves the right to require of a bidder, either before a quote is adjudicated or at any time subsequently, to substantiate any claim in regard to preferences, in any manner required by the purchaser.

2. DEFINITIONS

- (a) **"B-BBEE"** means broad-based black economic empowerment as defined in section 1 of the Broad-Based Black Economic Empowerment Act;
- (b) **"B-BBEE status level of contributor"** means the B-BBEE status of an entity in terms of a code of good practice on black economic empowerment, issued in terms of section 9(1) of the Broad-Based Black Economic Empowerment Act;
- (c) **"bid"** means a written offer in a prescribed or stipulated form in response to an invitation by an organ of state for the provision of goods or services, through price quotations, advertised competitive bidding processes or proposals;
- (d) **"Broad-Based Black Economic Empowerment Act"** means the Broad-Based Black Economic Empowerment Act, 2003 (Act No. 53 of 2003);
- (e) **"EME"** means an Exempted Micro Enterprise in terms of a code of good practice on black economic empowerment issued in terms of section 9 (1) of the Broad-Based Black Economic Empowerment Act;
- (f) **"functionality"** means the ability of a tenderer to provide goods or services in accordance with specifications as set out in the tender documents.
- (g) **"prices"** includes all applicable taxes less all unconditional discounts;
- (h) **"proof of B-BBEE status level of contributor"** means:
 - 1) B-BBEE Status level certificate issued by an authorized body or person;
 - 2) A sworn affidavit as prescribed by the B-BBEE Codes of Good Practice;
 - 3) Any other requirement prescribed in terms of the B-BBEE Act;
- (i) **"QSE"** means a qualifying small business enterprise in terms of a code of good practice on black economic empowerment issued in terms of section 9 (1) of the Broad-Based Black Economic Empowerment Act;
- (j) **"rand value"** means the total estimated value of a contract in Rand, calculated at the time of bid invitation, and includes all applicable taxes;

3. POINTS AWARDED FOR PRICE

3.1 THE 80/20 PREFERENCE POINT SYSTEMS

A maximum of 80 points is allocated for price on the following basis:

$$P_s = 80 \left(1 - \frac{P_t - P_{\min}}{P_{\min}} \right) \text{ Where}$$

- Ps = Points scored for price of bid under consideration
- Pt = Price of bid under consideration
- Pmin = Price of lowest acceptable bid

4. POINTS AWARDED FOR B-BBEE STATUS LEVEL OF CONTRIBUTOR

4.1 In terms of Regulation 6 (2) and 7 (2) of the Preferential Procurement Regulations, preference points must be awarded to a bidder for attaining the B-BBEE status level of contribution in accordance with the table below:

B-BBEE Status Level of Contributor	Number of points (80/20 system)
1	20
2	18
3	14
4	12
5	8
6	6
7	4
8	2
Non-compliant contributor	0

5. BID DECLARATION

5.1 Bidders who claim points in respect of B-BBEE Status Level of Contribution must complete the following:

6. B-BBEE STATUS LEVEL OF CONTRIBUTOR CLAIMED IN TERMS OF PARAGRAPHS 1.4 AND 4.1

6.1 B-BBEE Status Level of Contributor: =(maximum of 20 points)

(Points claimed in respect of paragraph 7.1 must be in accordance with the table reflected in paragraph 4.1 and must be substantiated by relevant proof of B-BBEE status level of contributor.

7. SUB-CONTRACTING

(Tick applicable box)

7.1 Will any portion of the contract be sub-contracted?

YES	<input type="checkbox"/>	NO	<input type="checkbox"/>
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7.1.1 If yes, indicate:

- i) What percentage of the contract will be subcontracted.....%
- ii) The name of the sub-contractor.....
- iii) The B-BBEE status level of the sub-contractor.....

8. Whether the sub-contractor is an EME or QSE

(Tick applicable box)

iv) Specify, by ticking the appropriate box, if subcontracting with an enterprise in terms of Preferential Procurement Regulations,2017:

YES	<input type="checkbox"/>	NO	<input type="checkbox"/>
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Designated Group: An EME or QSE which is at least 51% owned by:	EME √	QSE √
Black people		
Black people who are youth		
Black people who are women		
Black people with disabilities		
Black people living in rural or underdeveloped areas or townships		
Cooperative owned by black people		
Black people who are military veterans		
OR		
Any EME		
Any QSE		

9. **DECLARATION WITH REGARD TO COMPANY/FIRM**

9.1 Name of company/firm:.....

9.2 VAT registration number:.....

9.3 Company registration number:.....

9.4 **TYPE OF COMPANY/ FIRM [TICK APPLICABLE BOX]**

- Partnership/Joint Venture / Consortium
- One person business/sole propriety
- Close corporation
- Company
- (Pty) Limited

9.5 **DESCRIBE PRINCIPAL BUSINESS ACTIVITIES**

.....
.....

9.6 **COMPANY CLASSIFICATION [TICK APPLICABLE BOX]**

- Manufacturer
- Supplier
- Professional service provider
- Other service providers, e.g. transporter, etc.

9.7 Total number of years the company/firm has been in business:.....

9.8 I/we, the undersigned, who is / are duly authorised to do so on behalf of the company/firm, certify that the points claimed, based on the B-BBE status level of contributor indicated in paragraphs 1.4 and 6.1 of the foregoing certificate, qualifies the company/ firm for the preference(s) shown and I / we acknowledge that:

- i) The information furnished is true and correct;
- ii) The preference points claimed are in accordance with the General Conditions as indicated in paragraph 1 of this form;
- iii) In the event of a contract being awarded as a result of points claimed as shown in paragraphs 1.4 and 6.1, the contractor may be required to furnish documentary proof to the satisfaction of the purchaser that the claims are correct;
- iv) If the B-BBEE status level of contributor has been claimed or obtained on a fraudulent basis or any of the conditions of contract have not been fulfilled, the purchaser may, in addition to any other remedy it may have –
 - (a) disqualify the person from the bidding process;
 - (b) recover costs, losses or damages it has incurred or suffered as a result of that person's conduct;
 - (c) cancel the contract and claim any damages which it has suffered as a result of having to make less favourable arrangements due to such cancellation;
 - (d) recommend that the bidder or contractor, its shareholders and directors, or only the shareholders and directors who acted on a fraudulent basis, be restricted by the National Treasury from obtaining business from any organ of state for a period not exceeding 10 years, after the *audi alteram partem* (hear the other side) rule has been applied; and
 - (e) forward the matter for criminal prosecution.

<p>WITNESSES</p> <p>1.</p> <p>2.</p>

<p>..... SIGNATURE(S) OF BIDDERS(S)</p> <p>DATE:</p> <p>ADDRESS.....</p>

	<p>6. Motional feedback from tip for power compensation shall be present.</p> <p>7. For infection control handpiece and tips shall be autoclavable up to 135°C.</p> <p>8. Water cooling through tip with volume control knob.</p> <p>9. Cavitation at tip shall be present</p> <p>10. Activation shall be by means of foot control.</p> <p>11. Master on/off switch with indicator light shall be fitted.</p> <p>12. One set of three standard scaler tips shall be supplied.</p> <p>13. Tips shall be interchangeable without the use of spanner.</p> <p>14. A minimum of 3 tips should be provided.</p> <p>15. 15 Amp 3 pin plug shall be supplied.</p>	
21	<p align="center">WALL FIXED INTRA-ORAL DENTAL X-RAY UNIT (NON-DIGITAL)</p> <p>1. Head shall be fully adjustable in vertical and horizontal planes by means of free counter balanced swinging arm.</p> <p>2. Wall mounted, overall length 1,680 mm</p> <p>3. Shall operate 220 - 240V, regulated input to comensate for fluctuating volgages in rural areas etc.</p> <p>4. Shall operate at minimum 80 kv and maximum 8 mA</p> <p>5. Maximum exposure tins shall be 2,5 sec.</p> <p>6. MAS should not exceed 20.</p> <p>7. Filtration total 1,5mm - AL Equ - 2mm AL</p> <p>8. Built in collimator</p> <p>9. Exposure time to be variable from min 0.02 - 2.5 sec</p> <p>10. Lead lined long cone 8"</p> <p>11. Exposure switch of "dead man" type</p> <p>12. Permissible voltage fluctuation of ± 10%</p> <p>13. Focal spot size not to exceed 0,7 x 0,7 mm.</p> <p>14. Audio alarm and visual warning light shall be incorporated</p> <p>15. 15 Amp 3 pin plug shall be supplied.</p> <p>16. Radiation Control licence no.</p>	
22	<p align="center">MOBILE INTRA-ORAL DENTAL X-RAY UNIT (NON DIGITAL)</p> <p>1. Unit shall be mounted on stable mobile stand</p> <p>2. Head shall be fully adjustable in vertical and horizontal movement by means of free counter balanced swing arm</p> <p>3. Shall operate 220 - 240V, regulated input to comensate for fluctuating volgages.</p> <p>4. Shall operate at minimum 80 kv and maximum 8 mA</p> <p>5. Maximum exposure tins shall be 2,5 sec at 22,4 mA</p> <p>6. Filtration total 1,5mm - AL Equ - 2mm AL</p> <p>7. Built in collimator</p> <p>8. Exposure time to be variable from min 0.02 - 2.5 sec</p> <p>9. Lead lined long cone 8"</p> <p>10. Exposure switch of "dead man" type</p> <p>11. Permissible voltage fluctuation of ± 10%</p> <p>12. Focal spot size not to exceed 0,7 x 0,7 mm.</p> <p>13. Audio alarm and visual warning light shall be incorporated</p> <p>14. 15 Amp plug shall be supplied.</p> <p>15. Radiation Control licence no.</p>	
23	<p align="center">FULL AUTOMATIC INTRA-ORAL DENTAL FILM PROCESSOR</p> <p>1. Upper and lower compartments shall be made of impact-resistant plastic</p> <p>2. Shall be supplied with daylight hood</p> <p>3. Shall operate at voltage 220 - 240,50 HZ</p> <p>4. Tanks for processing, washing and fixing shall be removable for easy cleaning</p> <p>5. Full process of development and fixing shall be 6 - 9 minutes.</p> <p>6. Shall be supplied with film holder to cover complete range of film sizes</p> <p>7. Built in drying system shall be incorporated</p> <p>8. 15 Amp, 3 point plug shall be supplied</p>	
24	<p align="center">MANUAL INTRA-ORAL DENTAL FILM PROCESSOR</p> <p>1. The compartment shall be made of impact-resistant plastic</p> <p>2. Shall be supplied with daylight hood</p>	

	3. Tanks for processing, washing and fixing shall be removable for easy cleaning	
	4. Full process of development and fixing shall be 6 - 9 minutes.	
	5. Shall be supplied with film holder to cover complete range of film sizes	
	Item 1-7 is to be provided as a single surgery	
	Item 1-7 is to be provided as a 2 x Dental surgery	

ISO - Dental Chair/Stool

Document ISO 6875

Publicatio 1995-02-00

Title Dental patient chair

Abstract Applies to all dental patient chairs, regardless of their construction and also regardless of whether they are

Document ISO 7493

Publicatio 2006-05-00

Title Dentistry - Operator's stool

Document ISO 7494-1

Publicatio 2004-11-00

Title Dentistry - Dental units - Part 1: General requirements and test methods

Document ISO 7494-2

Publicatio 2003-03-00

Title Dentistry - Dental units - Part 2: Water and air supply

ISO - Dental - Units

Document ISO 7494-1

Publicatio 2004-11-00

Title Dentistry - Dental units - Part 1: General requirements and test methods

Document ISO 7494-2

Publicatio 2003-03-00

Title Dentistry - Dental units - Part 2: Water and air supply

ISO - Dental Lights

Document ISO 9168

Publicatio 1991-09-00

Title Dental handpieces; hose connectors / Note: To be replaced by ISO/DIS 9168 (2008-02), ISO/FDIS 9168 (200

Abstract Specifies four types of standard connectors. Type A: connector with two or three outlets; Type B: connector

Document ISO 9680

Publicatio 2007-06-00

Title Dentistry - Operating lights

Document ISO 10650-2

Publicatio 2007-09-00

Title Dentistry - Powered polymerization activators - Part 2: Light-emitting diode (LED) lamps

ISO - Dental Suction Equipment

Document ISO 7551

Publicatio 1996-12-00

Title Dental absorbent points

Abstract Specifies requirements and test methods for dental absorbent points used in endodontic procedures.

Document ISO 10637

Publicatio 1999-08-00

Title Dental equipment - High- and medium-volume suction systems

Document ISO/TS 22595-1

Publicatio 2006-09-00

DENTAL EQUIPMENT - ESTIMATED NO. REQUIRED
NAME OF PROVINCE: _____

ITEM NO.:	DESCRIPTION	ESTIMATED NO. REQUIRED
1	DENTAL CHAIR	
2	DENTAL OPERATING LIGHT	
3	DENTAL UNIT/HAND PIECE UNIT/DENTAL DELIVERY SYSTEM	
4	HANDPIECES a. TURBINE b. STRAIGHT HANDPIECE FOR MICROMOTOR - AIR c. CONTRA-ANGLE HANDPIECE FOR MICROMOTOR - AIR d. PROPHYLAXIS HANDPIECE e. MAINTENANCE STAND f. MICROMOTOR - AIR	
5	WATER UNIT/CUSPIDOR/ SPITTOON	
6	CENTRAL SUCTION MOTOR TO SERVE UP TO TWO SURGERIES - WET SYSTEM	
7	COMPRESSOR TO SERVE UP TO TWO SURGERIES	
8	MOBILE DENTAL UNIT WITH BUILT-IN COMPRESSOR COMPLETE WITH BUILT-IN WATER TANK AND COMPRESSOR, ALSO FULL COMPLIMENT OF HANDPIECES AS SPECIFIED	
9	PORTABLE DENTAL CHAIR	
10	MOBILE AND PORTABLE HIGH VOLUME EVACUATOR	
11	PORTABLE DENTAL LIGHT	
12	OPERATOR/ASSISTANT MOBILE STOOL	
13	MOBILE DENTAL CABINET	
14	DENTAL AMALGAMATOR (CAPSULE TYPE)	
15	DENTAL AUTOCLAVE (SMALL) DISTILLED WATER ONLY	
16	DENTAL AUTOCLAVE (LARGE) DISTILLED WATER ONLY	
17	PORTABLE AUTOCLAVE	
18	VISIBLE /WHITE CURING LIGHT - WITH CORD	
19	VISIBLE/WHITE CURING LIGHT - CORDLESS	
20	ULTRASONIC SCALER	
21	WALL FIXED INTRA-ORAL DENTAL X-RAY UNIT (NON DIGITAL)	
22	MOBILE INTRA-ORAL DENTAL X-RAY UNIT (NON DIGITAL)	
23	FULL AUTOMATIC INTRA-ORAL DENTAL FILM PROCESSOR	
24	MANUAL INTRA-ORAL DENTAL FILM PROCESSOR	
25	Item 1-7 is to be provided as a single surgery	
26	Item 1-7 is to be provided as a 2 x Dental surgery	

3. Height adjustment shall be means of hygienic handgrip underneath chair seat.
4. Backrest height adjustment shall be of minimum 200 mm and rake adjustment of minimum 100 mm to be adjustable with a knob.
5. Seat and backrest shall be upholstered in a breathing, perforated upholstery.
6. Seat shall be padded with soft edges for unhindered blood circulation in upper thighs. Diameter of approx.400 mm, thickness shall not be less than 110 mm.
7. Foam shall be a minimum of two layers with approx. 100 mm heavy density and 10 mm light density.
8. Upholstering shall be easily replaceable.

13

MOBILE DENTAL CABINET

1. Top surface shall be easily cleaned, no corners overhanging edges, - for asepsis. Stainless steel working surface.
2. Shall be of rigid construction with castors and two handles.
3. Cabinet shall have stainless steel working top surface size $\pm 500 \times 550$ mm.
4. Overall height shall be ± 750 mm.
5. Shall have 5 drawers with racks in the two top drawers for hand instruments.
6. Sheet metal epoxy coated grey white.

14

DENTAL AMALGAMATOR (CAPSULE TYPE)

1. The amalgamator shall operate room 220 - 250V - 50Hz.
2. Capsule holders shall accept and maintain all makes of capsules including all other dental materials and move in a figures 8 configuration.
3. Shall have timing device fitted with membrane keyboard from 0 - 99 sec.
4. The amalgamation shall have two separate keys for direct programming of 10 & 15 sec.
5. Mixing frequency shall be variable to accommodate all filling materials according to FDA or ISO specifications
6. Push button start.
7. Protective capsules cover with micro switch to cut off automatically should cover be opened during mixing.
8. Shall be supplied with 15 Amp 3 point plug.

15

DENTAL AUTOCLAVE (SMALL) DISTILLED WATER ONLY

1. Mains voltage shall operate at 220 - 240V, 100 Watt: Current shall not exceed 8,5 Amps
2. Shall have no re-circulation of used water.
3. Chamber shall be constructed of copper brass alloy or stainless steel.
4. Heating elements shall heat the entire chamber efficiently.
5. Shall have heat insulated casing with built-in condensation coils and tank.
6. Shall have automatic timer to complete sterilizing cycle.
7. Shall be fitted with safety pressure valve.
8. Shall be fitted with temperature and pressure gauges.
9. Complete cycle after warm up shall not exceed 15 min.
10. Shall be supplied with two T perforated trays with handle.
11. Chamber dimensions should be ± 355 mm deep by ± 200 mm diameter.
12. Operating pressure should be 240 Kpa.
13. Operating temperature shall not exceed 135°C.
14. 15 Amp plug shall be supplied.
15. Shall have separate dry cycles which shuts off automatically 7 - 12 minutes.

16

DENTAL AUTOCLAVE (LARGE) DISTILLED WATER ONLY

1. Mains voltage shall operate at 220 - 240V.
2. Current shall not exceed 15 Amps
3. Shall have no re-circulation of used water.
4. Chamber shall be constructed of copper brass alloy or stainless steel.
5. Heating elements shall heat the entire chamber efficiently.
6. Shall have heat insulated casing with built-in condensation coils and tank.
7. Shall have automatic timer to complete sterilizing cycle.
8. Shall be fitted with safety pressure valve.
9. Shall be fitted with temperature and pressure gauges.
10. Complete cycle after warm up shall not exceed 15 min.
11. Shall be supplied with two perforated trays with handle.
12. Chamber dimensions should be ± 510 mm deep by ± 360 mm diameter.
13. Operating pressure should be 240 Kpa.
14. Operating temperature shall not exceed 135°C.

DENTAL EQUIPMENT - ESTIMATED NO. REQUIRED

NAME OF PROVINCE: _____

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3	DENTAL UNIT/HAND PIECE UNIT/DENTAL DELIVARY SYSTEM	
4	HANDPIECES a. TURBINE b. STRAIGHT HANDPIECE FOR MICROMOTOR - AIR c. CONTRA-ANGLE HANDPIECE FOR MICROMOTOR - AIR d. PROPHYLAXIS HANDPIECE e. MAINTENANCE STAND f. MICROMOTOR - AIR	
5	WATER UNIT/CUSPIDOR/ SPITTOON	
6	CENTRAL SUCTION MOTOR TO SERVE UP TO TWO SURGERIES - WET SYSTEM	
7	COMPRESSOR TO SERVE UP TO TWO SURGERIES	
8	MOBILE DENTAL UNIT WITH BUILT-IN COMPRESSOR COMPLETE WITH BUILT-IN WATER TANK AND COMPRESSOR, ALSO FULL COMPLIMENT OF HANDPIECES AS SPECIFIED	
9	PORTABLE DENTAL CHAIR	
10	MOBILE AND PORTABLE HIGH VOLUME EVACUATOR	
11	PORTABLE DENTAL LIGHT	
12	OPERATOR/ASSISTANT MOBILE STOOL	
13	MOBILE DENTAL CABINET	
14	DENTAL AMALGAMATOR (CAPSULE TYPE)	
15	DENTAL AUTOCLAVE (SMALL) DISTILLED WATER ONLY	
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17	PORTABLE AUTOCLAVE	
18	VISIBLE /WHITE CURING LIGHT - WITH CORD	
19	VISIBLE/WHITE CURING LIGHT - CORDLESS	
20	ULTRASONIC SCALER	
21	WALL FIXED INTRA-ORAL DENTAL X-RAY UNIT (NON DIGITAL)	
22	MOBILE INTRA-ORAL DENTAL X-RAY UNIT (NON DIGITAL)	
23	FULL AUTOMATIC INTRA-ORAL DENTAL FILM PROCESSOR	
24	MANUAL INTRA-ORAL DENTAL FILM PROCESSOR	
25	Item 1-7 is to be provided as a single surgery	
26	Item 1-7 is to be provided as a 2 x Dental surgery	

3. Tanks for processing, washing and fixing shall be removable for easy cleaning	
4. Full process of development and fixing shall be 6 - 9 minutes.	
5. Shall be supplied with film holder to cover complete range of film sizes	
Item 1-7 is to be provided as a single surgery	
Item 1-7 is to be provided as a 2 x Dental surgery	

ISO – Dental Chair/Stool

Document ISO 6875

Publicatio 1995-02-00

Title Dental patient chair

Abstract Applies to all dental patient chairs, regardless of their construction and also regardless of whether they are

Document ISO 7493

Publicatio 2006-05-00

Title Dentistry - Operator's stool

Document ISO 7494-1

Publicatio 2004-11-00

Title Dentistry - Dental units - Part 1: General requirements and test methods

Document ISO 7494-2

Publicatio 2003-03-00

Title Dentistry - Dental units - Part 2: Water and air supply

ISO – Dental - Units

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Title Dentistry - Dental units - Part 1: General requirements and test methods

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ISO – Dental Lights

Document ISO 9168

Publicatio 1991-09-00

Title Dental handpieces; hose connectors / Note: To be replaced by ISO/DIS 9168 (2008-02), ISO/FDIS 9168 (2008-02)

Abstract Specifies four types of standard connectors. Type A: connector with two or three outlets; Type B: connector

Document ISO 9680

Publicatio 2007-06-00

Title Dentistry - Operating lights

Document ISO 10650-2

Publicatio 2007-09-00

Title Dentistry - Powered polymerization activators - Part 2: Light-emitting diode (LED) lamps

ISO – Dental Suction Equipment

Document ISO 7551

Publicatio 1996-12-00

Title Dental absorbent points

Abstract Specifies requirements and test methods for dental absorbent points used in endodontic procedures.

Document ISO 10637

Publicatio 1999-08-00

Title Dental equipment - High- and medium-volume suction systems

Document ISO/TS 22595-1

Publicatio 2006-09-00

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ISO – Dental Lights

Document ISO 9168

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Publicatio 1999-08-00

Title Dental equipment - High- and medium-volume suction systems

Document ISO/TS 22595-1

Publicatio 2006-09-00

	<ol style="list-style-type: none"> 3. Height adjustment shall be means of hygienic handgrip underneath chair seat. 4. Backrest height adjustment shall be of minimum 200 mm and rake adjustment of minimum 100 mm to be adjustable with a knob. 5. Seat and backrest shall be upholstered in a breathing, perforated upholstery. 6. Seat shall be padded with soft edges for unhindered blood circulation in upper thighs. Diameter of approx.400 mm, thickness shall not be less than 110 mm. 7. Foam shall be a minimum of two layers with approx. 100 mm heavy density and 10 mm light density. 8. Upholstering shall be easily replaceable. 	
13	<p style="text-align: center;">MOBILE DENTAL CABINET</p> <ol style="list-style-type: none"> 1. Top surface shall be easily cleaned, no comers overhanging edges, - for asepsis. Stainless steel working surface. 2. Shall be of rigid construction with castors and two handles. 3. Cabinet shall have stainless steel working top surface size $\pm 500 \times 550$ mm. 4. Overall height shall be ± 750 mm. 5. Shall have 5 drawers with racks in the two top drawers for hand instruments. 6. Sheet metal epoxy coated grey white. 	
14	<p style="text-align: center;">DENTAL AMALGAMATOR (CAPSULE TYPE)</p> <ol style="list-style-type: none"> 1. The amalgamator shall operate room 220 - 250V – 50Hz. 2. Capsule holders shall accept and maintain all makes of capsules including all other dental materials and move in a figures 8 configuration. 3. Shall have timing device fitted with membrane keyboard from 0 – 99 sec. 4. The amalgamation shall have two separate keys for direct programming of 10 & 15 sec. 5. Mixing frequency shall be variable to accommodate all filling materials according to FDA or ISO specifications 6. Push button start. 7. Protective capsules cover with micro switch to cut off automatically should cover be opened during mixing. 8. Shall be supplied with 15 Amp 3 point plug. 	
15	<p style="text-align: center;">DENTAL AUTOCLAVE (SMALL) DISTILLED WATER ONLY</p> <ol style="list-style-type: none"> 1. Mains voltage shall operate at 220 – 240V, 100 Watt: Current shall not exceed 8,5 Amps 2. Shall have no re-circulation of used water. 3. Chamber shall be constructed of copper brass alloy or stainless steel. 4. Heating elements shall heat the entire chamber efficiently. 5. Shall have heat insulated casing with built-in condensation coils and tank. 6. Shall have automatic timer to complete sterilizing cycle. 7. Shall be fitted with safety pressure valve. 8. Shall be fitted with temperature and pressure gauges. 9. Complete cycle after warm up shall not exceed 15 min. 10. Shall be supplied with two T perforated trays with handle. 11. Chamber dimensions should be ± 355 mm deep by ± 200mm diameter. 12. Operating pressure should be 240 Kpa. 13. Operating temperature shall not exceed 135°C. 14. 15 Amp plug shall be supplied. 15. Shall have separate dry cycles which shuts off automatically 7 – 12 minutes. 	
16	<p style="text-align: center;">DENTAL AUTOCLAVE (LARGE) DISTILLED WATER ONLY</p> <ol style="list-style-type: none"> 1. Mains voltage shall operate at 220 – 240V. 2. Current shall not exceed 15 Amps 3. Shall have no re-circulation of used water. 4. Chamber shall be constructed of copper brass alloy or stainless steel. 5. Heating elements shall heat the entire chamber efficiently. 6. Shall have heat insulated casing with built-in condensation coils and tank. 7. Shall have automatic timer to complete sterilizing cycle. 8. Shall be fitted with safety pressure valve. 9. Shall be fitted with temperature and pressure gauges. 10. Complete cycle after warm up shall not exceed 15 min. 11. Shall be supplied with two perforated trays with handle. 12. Chamber dimensions should be ± 510 mm deep by ± 360mm diameter. 13. Operating pressure should be 240 Kpa. 14. Operating temperature shall not exceed 135°C. 	

~~DENTAL~~ AUTOCLAVE (LARGE) (CONTINUED)

15. Minimum reservoir capacity 4 litres
16. 15 Amp plug shall be supplied.
17. Shall have separate drying cycles which shuts off automatically 7 – 12 minutes.

17

PORTABLE AUTOCLAVE

1. Shall operate at mains voltage of 220 - 240V 50Hz.
2. Shall be completely portable with handle.
3. Internal size shall be 210 mm diameter +250 mm height.
4. Sterilising time at 135°C shall not exceed 35 minutes.
5. Total cycle shall not exceed 35 minutes.
7. Shall include
 - 7.1 Sealing gasket
 - 7.2 Lead / plug set
 - 7.3 Operating manual
8. Safety and venting valve shall be incorporated.
9. 15 Amp 3 point plug shall be supplied

18

VISIBLE /WHITE CURING LIGHT – WITH CORD

1. The light shall operate at voltage 220 – 240V, 50Hz.
2. Power input shall be 100 watt.
3. Separate power unit and hand-held light gun.
4. Wave length of emitted light shall be minimum 400 nm - maximum 500 nm.
5. The light shall have built-in automatic overheat protection.
6. Power unit and light gun shall be connected by electrical cord and not by fibre-optic bundle.
7. The light shall have a 360° swiveling light guide (Autoclavable).
8. The light shall have finger-activated on/off trigger switch on light gun.
9. The light shall be supplied with interchangeable light guides: Sizes as follows:
 - 9.1 Curved 8mm dia
 - 9.2 Curved 3mm dia
10. The light shall have long-life halogen lamp (min 10 000 during cycles).
11. Spare lamps shall be freely available on the local market.
12. Lamp replacement shall be easily done by user.
13. The light shall have variable audible settings.
14. The light shall have built-in cooling fan, continuous, running 40 seconds after light switches off.
15. 15 Amp, 3 point plug shall be supplied.

19

VISIBLE/WHITE CURING LIGHT - CORDLESS

1. The light shall operate at voltage 220 – 240V, 50Hz.
2. Power input shall be 100 watt.
3. Separate power unit and hand-held light gun.
4. Wave length of emitted light shall be minimum 400 nm - maximum 500 nm.
5. The light shall have built-in automatic overheat protection.
6. Power unit shall be connected by electrical cord.
7. The light shall have a 360° swiveling light guide (Autoclavable).
8. The light shall have finger-activated on/off trigger switch on light gun.
9. The light shall be supplied with interchangeable light guides: Sizes as follows:
 - 9.3 Curved 8mm dia
 - 9.4 Curved 3mm dia
10. The light shall have long-life halogen lamp (min 10 000 during cycles).
11. Spare lamps shall be freely available on the local market.
12. Lamp replacement shall be easily done by user.
13. The light shall have variable audible setting.
14. The light shall have built-in cooling fan, continuous, running 40 seconds after light switches off.
15. 15 Amp, 3 point plug shall be supplied.

20

ULTRASONIC SCALER

1. Operating power shall be 220 – 240 V, 50 Hz.
2. Unit shall be magneto-strictive type.
3. Power shall be 30 KHz/sec.
4. Movement of tip shall be elliptical.
5. Autotune shall be present but variable power with control knob.

DENTAL EQUIPMENT - ESTIMATED NO. REQUIRED

NAME OF PROVINCE: _____

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4	HANDPIECES a. TURBINE b. STRAIGHT HANDPIECE FOR MICROMOTOR - AIR c. CONTRA-ANGLE HANDPIECE FOR MICROMOTOR - AIR d. PROPHYLAXIS HANDPIECE e. MAINTENANCE STAND f. MICROMOTOR - AIR	
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7	COMPRESSOR TO SERVE UP TO TWO SURGERIES	
8	MOBILE DENTAL UNIT WITH BUILT-IN COMPRESSOR COMPLETE WITH BUILT-IN WATER TANK AND COMPRESSOR, ALSO FULL COMPLIMENT OF HANDPIECES AS SPECIFIED	
9	PORTABLE DENTAL CHAIR	
10	MOBILE AND PORTABLE HIGH VOLUME EVACUATOR	
11	PORTABLE DENTAL LIGHT	
12	OPERATOR/ASSISTANT MOBILE STOOL	
13	MOBILE DENTAL CABINET	
14	DENTAL AMALGAMATOR (CAPSULE TYPE)	
15	DENTAL AUTOCLAVE (SMALL) DISTILLED WATER ONLY	
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18	VISIBLE /WHITE CURING LIGHT - WITH CORD	
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20	ULTRASONIC SCALER	
21	WALL FIXED INTRA-ORAL DENTAL X-RAY UNIT (NON DIGITAL)	
22	MOBILE INTRA-ORAL DENTAL X-RAY UNIT (NON DIGITAL)	
23	FULL AUTOMATIC INTRA-ORAL DENTAL FILM PROCESSOR	
24	MANUAL INTRA-ORAL DENTAL FILM PROCESSOR	
25	Item 1-7 is to be provided as a single surgery	
26	Item 1-7 is to be provided as a 2 x Dental surgery	

	3. Tanks for processing, washing and fixing shall be removable for easy cleaning	
	4. Full process of development and fixing shall be 6 - 9 minutes.	
	5. Shall be supplied with film holder to cover complete range of film sizes	
	Item 1-7 is to be provided as a single surgery	
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ISO – Dental Chair/Stool

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Publicatio 1995-02-00

Title Dental patient chair

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Title Dentistry - Dental units - Part 1: General requirements and test methods

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ISO – Dental Lights

Document ISO 9168

Publicatio 1991-09-00

Title Dental handpieces; hose connectors / Note: To be replaced by ISO/DIS 9168 (2008-02), ISO/FDIS 9168 (2008-02)

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ISO – Dental Suction Equipment

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Publicatio 1996-12-00

Title Dental absorbent points

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Document ISO 10637

Publicatio 1999-08-00

Title Dental equipment - High- and medium-volume suction systems

Document ISO/TS 22595-1

Publicatio 2006-09-00

11. Free hanging straight hoses (tubing) shall withstand at least 100psi and proof on durability of tubing may be required

12. Mounted to Chair/Cuspidor/Water unit

4 a, b, c, d, e

HANDPIECES

a. TURBINE

- I) To fit 4-hole standard supply tubing.
- II) Speed 350 000 rpm minimum at 2.2 kg per cm.
- III) Ballbearing, output approximately 10 watts
- IV) Field replaceable rotor, one spare rotor to be supplied
- V) Metal bur change chuck, push type system
- VI) Quick action coupling for easy lubrication
- VII) Guarantee time of turbine must be indicated – minimum 12 months
- VIII) Air consumption should not exceed 3ℓ/m
- IX) Noise level not to exceed 75 db

b. STRAIGHT HANDPIECE FOR MICROMOTOR - AIR

- I) Standard 1 : 1 transmission
- II) Ballbearing
- III) To take burs ISO type 104 44, 50 mm with diameter of 2,35 mm
- IV) Maximum speed 40 000 rpm
- V) E-type quick disconnection
- VI) Water spray incorporated internally
- VII) Autoclavable up to 140 degrees C

c. CONTRA-ANGLE HANDPIECE FOR MICROMOTOR - AIR

- I) Standard transmission 1 : 1
- II) Push button type system
- III) Ballbearing type
- IV) Maximum speed 40 000 rpm
- V) To accommodate ISO type 204 2.35 mm diameter latch type burs
- VI) E-type quick disconnection
- VII) Water spray incorporated internally
- VIII) Autoclavable up to 140 degrees C

d. PROPHYLAXIS HANDPIECE

- I) Standard Transmission 1 : 1
- II) To fit E-Type quick disconnection
- III) Sealed ballbearing
- IV) To accept snap-on and or screw in cups and brushes
- V) Autoclavable up to 140 degrees C

e. MAINTENANCE STAND

Required for handpieces as specified

f. MICROMOTOR – AIR

- I) Speed range 5 000 – 40 000 rpm
- II) Output 20W Power – min Ncm Torque min
- III) E-Type quick coupling
- IV) Forward and reverse rotation
- V) Weight not to exceed 90 gm. Speed control selector by means of control ring
- VI) To take specified handpieces
- VII) Water spray/air facility to be incorporated internally
- VIII) Maximum air consumption 4ℓ/m
- IX) Autoclavable up to 140 degrees C
- X) Quick action coupling for easy lubrication

5

WATER UNIT/CUSPIDOR/ SPITTOON

1. Chair-mounted either left or right
2. Spittoon should be removable without any tools, for easy cleaning
3. Ceramic bowls spittoon
4. Water tumbler filler
5. Spittoon flush facilities
6. Solids trap for spittoon bowl
7. Selective holder consisting of:

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Publicatio 1995-02-00

Title Dental patient chair

Abstract Applies to all dental patient chairs, regardless of their construction and also regardless of whether they are

Document ISO 7493

Publicatio 2006-05-00

Title Dentistry - Operator's stool

Document ISO 7494-1

Publicatio 2004-11-00

Title Dentistry - Dental units - Part 1: General requirements and test methods

Document ISO 7494-2

Publicatio 2003-03-00

Title Dentistry - Dental units - Part 2: Water and air supply

ISO – Dental - Units

Document ISO 7494-1

Publicatio 2004-11-00

Title Dentistry - Dental units - Part 1: General requirements and test methods

Document ISO 7494-2

Publicatio 2003-03-00

Title Dentistry - Dental units - Part 2: Water and air supply

ISO – Dental Lights

Document ISO 9168

Publicatio 1991-09-00

Title Dental handpieces; hose connectors / Note: To be replaced by ISO/DIS 9168 (2008-02), ISO/FDIS 9168 (2008-02)

Abstract Specifies four types of standard connectors. Type A: connector with two or three outlets; Type B: connector

Document ISO 9680

Publicatio 2007-06-00

Title Dentistry - Operating lights

Document ISO 10650-2

Publicatio 2007-09-00

Title Dentistry - Powered polymerization activators - Part 2: Light-emitting diode (LED) lamps

ISO – Dental Suction Equipment

Document ISO 7551

Publicatio 1996-12-00

Title Dental absorbent points

Abstract Specifies requirements and test methods for dental absorbent points used in endodontic procedures.

Document ISO 10637

Publicatio 1999-08-00

Title Dental equipment - High- and medium-volume suction systems

Document ISO/TS 22595-1

Publicatio 2006-09-00



health

Department:
Health
PROVINCE OF KWAZULU-NATAL

Prepared by:

Name and Surname	Designation	Signature	Date
DR. LIZHEW NAZOO	DENTAL		04/08/2020

Reviewed by Supervisor/Operations Manager:

Name and Surname	Designation	Signature	Date
Dr. K. Koranteng	Acting Medical Manager		04/08/2020

Specification	User details
Item description	(SIZE 3 BLADE COMPATIBLE) SCALPEL HANDLE NO. 3
Size	STANDARD SIZE
Colour	STAINLESS STEEL
Material	STAINLESS STEEL
Packaging (unit/box)	UNIT
Functionality/performance	TO ACCEPT SCALPEL BLADES SIZE 3
Purpose	TO MANIPULATE BLADES FOR INCISION
Other:	
	COMPATIBLE FOR SURGICAL BLADES NO 3

Approved by Specifications committee chairperson:

Name and Surname	Designation	Signature	Date



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Department:
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Specification Template

Prepared by:

Name and Surname	Designation	Signature	Date
DR LESHEW NALOO	DENTAL		04/08/2020

Reviewed by Supervisor/Operations Manager:

Name and Surname	Designation	Signature	Date
Dr K. Korantey	Acting Medical Manager		04/08/2020

Specification	User details
Item description	SCRATCH DENTAL BUR (CLEANING BUR) WITH
Size	3 inches (STEEL WZRE SECTION)
Colour	
Material	STAINLESS STEEL
Packaging (unit/box)	STEEL WZRE
Functionality/performance	UNZT
Purpose	TELESCOPIC HANDLE FOR GRIP & USE
Other:	FAST, THOROUGH CLEANING OF BURS
	TELESCOPIC HANDLE
	DESIGN NUMBER 3.

Approved by Specifications committee chairperson:

Name and Surname	Designation	Signature	Date



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Specifications Template

Prepared by:

Name and Surname	Designation	Signature	Date
DR. LIZHEW NAROO	DENTAL		04/08/2020

Reviewed by Supervisor/Operations Manager:

Name and Surname	Designation	Signature	Date
Dr. K. Kwanony	Acting Medical Manager		04/08/2020

Specification	User details
Item description	DENTAL INSTRUMENT TRAY
Size	DIVIDED 244 X 359 mm
Colour	BLUE
Material	PLASTIC
Packaging (unit/box)	UNIT
Functionality/performance	PLACED ON ARM OF DENTAL UNIT
Purpose	HOUSE DENTAL INSTRUMENT FOR
Other:	EASY ACCESS DURING WORK
	NONE

Approved by Specifications committee chairperson:

Name and Surname	Designation	Signature	Date



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Department:
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Spec/Spec-Complete

Prepared by:

Name and Surname	Designation	Signature	Date
DR LSHEN NAZOO	DENTAL		04/08/2020

Reviewed by Supervisor/Operations Manager:

Name and Surname	Designation	Signature	Date
Dr. K. Koranteng	Asst. Clinical Manager		04/08/2020

Specification	User details
Item description	DENTAL SYRINGE (BREACH ^{LOADING})
Size	COMPATIBLE WITH 1.5ml AMPOULES
Colour	STAINLESS STEEL
Material	STAINLESS STEEL
Packaging (unit/box)	UNIT
Functionality/performance	BREACH LOADING TO INSERT AMPOULES
Purpose	TO HAVE A DISPENSE LOCAL ANAESTHETIC CARTRIDGES VIA DENTAL NEEDLES.
Other:	AUTO CLAVABLE, BREACH LOADING DESIGN, NON-ASPIRATING.

Approved by Specifications committee chairperson:

Name and Surname	Designation	Signature	Date



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Prepared by:

Name and Surname	Designation	Signature	Date
DR. LISHEN NATOO	DENTAL		04/08/2020

Reviewed by Supervisor/Operations Manager:

Name and Surname	Designation	Signature	Date
Dr. K. Krawby	Acting Medical Manager		04/08/2020

Specification	User details
Item description	(REMOVAL LTD) DENTAL BUR AUTOCLAVABLE BASKET
Size	46 mm DIAMETER
Colour	STAINLESS STEEL
Material	STAINLESS STEEL
Packaging (unit/box)	BOX
Functionality/performance	PLACED IN AUTOCLAVE TO PERFORM FUNCTION
Purpose	HOUSE & STERILIZED DENTAL BURS
Other:	
	NONE

Approved by Specifications committee chairperson:

Name and Surname	Designation	Signature	Date



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Department:
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Specifications Form

Prepared by:

Name and Surname	Designation	Signature	Date
DR LINDEN NAZOO	DENTAL		04/08/2020

Reviewed by Supervisor/Operations Manager:

Name and Surname	Designation	Signature	Date
Dr. G. Kramling	Acting Clinical Manager		04/08/2020

Specification	User details
Item description	TABLE - TOP WATER DISTILLER
Size	9 X 9 X 13 inches
Colour	WHITE
Material	STAINLESS STEEL BOIL CHAMBER HARD PLASTIC EXTERIOR
Packaging (unit/box)	BOX
Functionality/performance	1 Gallon of H ₂ O in 5 1/2 Hours PLUGS INTO WALL SOCKET
Purpose	TAP H ₂ O TO EXTRACT DISTILL H ₂ O FROM
Other: CONTAIN:	
	- HEAT PROOF PLASTIC BOTTLE FOR COLLECTION
	- 6 MONTH SUPPLY OF FILTERS (ACTIVATED CHARCOAL)
	- PORCELAIN NOZZLE INSERT
	- one year / 6 months WARRANTY

Approved by Specifications committee chairperson:

Name and Surname	Designation	Signature	Date



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Department:
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PROVINCE OF KWAZULU-NATAL

Specifications Template

Prepared by:

Name and Surname	Designation	Signature	Date
DR. LISHEW NAZOO	DENTAL		04/08/2020

Reviewed by Supervisor/Operations Manager:

Name and Surname	Designation	Signature	Date
Dr. K. Korantey	Acting Clinical Manager		04/08/2020

Specification	User details
Item description	
Size	ENHANCE FZNZSHZNG COMPLETE SYSTEM
Colour	NOT NOT AVAZLABLE
Material	WHITE
Packaging (unit/box)	N/A
Functionality/performance	BOX
Purpose	ATTACHED TO DENTAL HANDPIECES TO POLISH FZLZNG
Other:	FOR FZNZSHZNG /IM DSHZNG & REMOVAL OF EXCESS FZLZNG MATERIAL
CONTAINS:	
20 X DISCS , 10 X FZNZSHZNG POINTS, 0X FZNZSHZNG CUPS,	
25 X POLZSHZNG CUPS , 1X MANDREL , 1X POLZSHZNG PASTE,	
1X POLZSHZNG PASTE (SUPER FINE TEXTURE)	

Approved by Specifications committee chairperson:

Name and Surname	Designation	Signature	Date



health

Department:
Health
PROVINCE OF KWAZULU-NATAL

Specifications Template

Prepared by:

Name and Surname	Designation	Signature	Date
DR. ^{N AZOO} LIZHEN	DENTAL		04/08/2020

Reviewed by Supervisor/Operations Manager:

Name and Surname	Designation	Signature	Date
Dr K. Korantey	Acting Medical Manager		04/08/2020

Specification	User details
Item description	DIGITAL X-RAY SENSORS + SOFTWARE 3 USD CONNECTED
Size	VARIABLES ACCORDING MANUFACTURER
Colour	BLACK
Material	DURABLE PLASTIC
Packaging (unit/box)	BOX
Functionality/performance	REQUIRE EXPOSURE TO X-RAY BEAM TO TRANSFER X-RAY TO COMPUTER
Purpose	TAKING OF INTRA-ORAL X-RAYS
Other:	
	- CMOS CHIP BUILT-IN SENSOR
	- MUST HAVE PERZAPICAL & BITEWING SENSOR
	- SOFTWARE FOR COMPUTER
	- WARRANTY & SERVICING AVAILABLE

Approved by Specifications committee chairperson:

Name and Surname	Designation	Signature	Date



health

Department:
Health
PROVINCE OF KWAZULU-NATAL

Specifications Template

Prepared by:

Name and Surname	Designation	Signature	Date
DR LISHEEN NAZOO	DENTIST		03/07/2020

Reviewed by Supervisor/Operations Manager:

Name and Surname	Designation	Signature	Date
Dr K. Voranang	Acting Medical Manager		03/07/2020

Specification	User details
Item description	COMPATZABLE TO SCALING UNIT G1, G4, G6 NSK SCALING TRPS NOS G8
Size	SEE BELOW UNDER OTHER
Colour	TITANIUM
Material	STAINLESS STEEL
Packaging (unit/box)	(BLISTER PACK) SEALED TABS IN BOX
Functionality/performance	(SCALING MACHINE) COMPATZABLE TO NSK VAREOS 2
Purpose	FOR THE REMOVAL OF CALCULUS DURING TEETH CLEANING PROCEDURES
Other:	
Ⓢ SIZE! MODELS: G1 = 23.2mm x 7.2mm (L) (H)	
G4 = 23.0mm x 8.1mm (L) (H)	
G6: 24.5mm x 11.4mm (H)	
G8: 22.7mm x 9.3mm (H) (L)	

Approved by Specifications committee chairperson:

Name and Surname	Designation	Signature	Date