health Department Health PROVINCE OF WAZJEU WATAL	Quotation Advert
Opening Date:	2020-09-14
Closing Date:	2020-00-24 HS 20-20 - 09 - 23 M
Closing Time:	11:00
INSTITUTION DETAILS	
Institution Name:	Edumbe CHC
Province:	KwaZulu-Natal
Department or Entity:	Department of Health
Division or section;	Central Supply Chain Management
Place where goods / services is required	eDumbe CHC, Stand no. 463, eDumbe Main Street, Paulpietersburg
Date Submitted	2020-09-11
ITEM CATEGORY AND DETAILS	
Quotation Number:	ZNQ: 163/20/21
Item Category:	Goods
Item Description:	SUPPLY AND DELIVERY OF PORTABLE VENTILATOR
No.	NB: OFFICIAL QUOTATION DOCUMENT TO BE
Part of the	RETRIVED FROM WEBSITE AND MAY BE EMAILED BACK TO THE EMAIL WRITTEN ON THE DOCUMENT
2.00	
Confidence of the	
Quantity (if supplies)	
COMPULSORY BRIEFING SESSION	N/SITE VISIT
Select Type:	Not Applicable
Date:	N/A
Time:	N/A
Venue:	N/A
QUOTES CAN BE COLLECTED FROM:	ON DEPARTMENT OF HEALTH WEBSITE
QUOTES SHOULD BE DELIVERED TO:	EMAIL: <a href="mailto:ntokozo.mnyezima@kznhealth.gov.za">ntokozo.mnyezima@kznhealth.gov.za</a> OR HAND DELIVER: eDumbe CHC, Stand no. 463, eDumbe main street,
ENQUIRIES REGARDING THE ADV	ERT MAY BE DIRECTED TO:
Name:	Sithembile Shabalala
Email:	ntokozo,mnyezima@kznhealth.gov.za
Contact Number:	034 995 8557/ 53/ 41
Finance Manager Name:	Mr V. Mvelase
Finance Manager Signature;	

No late quotes will be considered

ST	ANDARD Q	UOTE DOC	UMEN	TATIO	N SI	UPPL'	/ CH/	AIN	MA	NAG	EME	NT	OVE	RR	30 00	0.00					
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Bidders should ensure consideration.	that quotes	are delive	ered tir	meous	ly to	the	corre	ct a	addr	ess.	If ti	he q	uot	e is	late,	it w	ill n	ot be	acc	ept	ed for
The quote box is open from	m 08:00 to 15	5:30.																			
ALL QUOTES MUST BE	SUBMITTED	ON THE C	FFICIA	L FOR	MS-	– (NO	тто	ΒE	RE-	TYP	ED)										
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HAS A B-BBEE STATUS	LEVEL VERI	FICATION	CERTI	FICATE	E 8E	EN S	UBMI	TTE	ED?	(SBI	O 6.1	)						YE	s	N	10

[A B-BBEE STATUS LEVEL VERIFICATION CERTIFICATE/SWORN AFFIDAVIT (FOR EMES& QSES) MUST BE SUBMITTED IN ORDER TO QUALIFY FOR PREFERENCE POINTS FOR B-BBEE]

SCRIPTION	N. SUPI	PLY AND DELIVERY C	)F PORTABL	EVENTI	ATUK	*****************	,	
GNATURE	OF BIDDER	I hereby agree to all terms and condi	1041434443111411441111444444	DATE.	,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
y signing tl	nis document	I hereby agree to all terms and condi-	tions]			•		
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tem No	Quantity	Description		Brand &	Country of	Price		
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	-	9 15% (Only if VAT Vendor) RICE (VALIDITY PERIOD 60 Days)					$\dashv$	
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The Price	hirm?		State Delivery Period	E.G. E.G. 10a)	, iweek			
nquiries	regarding th	ne <u>quote</u> may be directed to:	F		nnical information ma	, he disested	4	

### **DECLARATION OF INTEREST**

- -	blood relationship, may make fimited quote or proposal). In employed by the state, or to p declare his/her position in relative bidder is employed by the legal person on whose evaluation and or adjudication whose behalf the declare.	behalf the bidding document is on of the quote(s), or where it i ant acts and persons who are in	s invitation avouritism ed to ther g authori signed, l s known t volved wi	n to quote (includes a price, should the resulting quote, it is required that the buy where-  mas a relationship with perhat such a relationship exith the evaluation and or any any and or any any any and or any	e quotation, advertised on the part thereof, be awaidder or his/her authorised ersons/a person who are/kists between the person djudication of the quote.	ompetitive quote, arded to persons ed representative is involved in the
2.	In order to give effect to the at	ove, the following questionnaire	must be	completed and submitted	with the quote.	
2.2.	Identity Number: Position occupied in the Com	tative pany (director, trustee, sharehol	. 2.5. der²):2.6.	Company Registration N Tax Reference Number: VAT Registration Numb		
2.8. 2.8. 2.8.	employee / persal numbers in Are you or any person conne 1. If so, furnish the following par Name of person / director / tru Name of state institution at wh Position occupied in the state 2. If you are presently employ in the public sector?	stee / shareholder/ member: ich you or the person connected institution: ed by the state, did you obtain t	below. nployed b	by the state?  dder is employed:dher is employed:  Any other particulars briate authority to underta	(TICK API	PLICABLE] [ES   NO
2.8.: (Note:	Failure to submit proof of such	of of such authority to the quote authority, where applicable, ma	result in	the disqualification of the	quote.)	
2.8. 2.9.	2.2. If no, furnish rea Did you or your spouse, or at state in the previous twelve n	sons for non-submission of suc ny of the company's directors / t	n proof: rustees /	shareholders / members	or their spouses conduct	business with the
2.10 2.10 2.11 2.11	<ol> <li>Do you, or any person conne may be involved with the eva</li> <li>If so, furnish particulars:</li> <li>Are you, or any person conne employed by the state who m</li> <li>If so, furnish particulars:</li> </ol>	cted with the bidder, have any re luation and or adjudication of thi cted with the bidder, aware of a ay be involved with the evaluati	elationships quote?	o (family, friend, other) wit nship (family, friend, other adjudication of this quote	h a person employed by	ES NO er and any person ES NO
2,12	2. Do you or any of the directors	/trustees / shareholders / mem	bers of the	e company have any intere	est in any other related co	ompanies whether 'ES NO
<b>3.</b> NB:	Full details of directors I true. The Department Of Health wito ensure that their details are not be considered and passe.	stees / members / shareholde Il validate details of directors / e up-to-date and verified on CS d over as non-compliant accord	rs. trustees D. If the	<i>l</i> members / shareholde Department cannot valida	rs on CSD. It is the suppl te the information on C	iers' responsibility SD, the quote will
4	DECLARATION			* * * · · · · · · · · · · · · · · · · ·		
	HE UNDERSIGNED (NAM RNISHED IN PARAGRAPI	Æ) нS 2.		CE	ERTIFY THAT THE D	NFORMATION
	CCEPT THAT THE STATE OVE TO BE FALSE.	MAY REJECT THE QUOT	TE OR A	CT AGAINST ME SH	OULD THIS DECLA	RATION
	ne of bidder	Signature		Position	Date	
¹°Sta a)	te" means – any national or provincial departm constitutional institution within the m	ent, national or provincial public entit eaning of the Public Finance Manager	y or c) nent d)	provincial fegislature; national Assembly or the natio	onal Council of provinces; or	

e) Parliament.

Act, 1999 (Act No. 1 of 1999); any municipality or municipal entity;

b)

<sup>25</sup> Shareholder means a person who owns shares in the company and is actively involved in the management of the enterprise or business and exercises control over the enterprise. Judi ilicalis a person mip omis siratos in uno compony cino co cocony

#### 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.

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- 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. Bid	ders who fail t	o attend the compulsory meeting will	oe disqualified from the evaluation	on process.	
		s determined that a compulsory site n		lace	
Institution	Stamp:		Institution Site Insper	ction / briefing session Official	
			Full Name:	The state of the s	
			Signature:		
			Date:	· · · · · · · · · · · · · · · · · · ·	

#### 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 (hear after 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-BBEÉ" 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:
  - 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:

$$Ps = 80\left(1 - \frac{Pt - P\min}{P\min}\right)$$
 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 DECL	<b>ARATION</b>

- 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 NO
7.1.1	If yes, indicate:	
	i) What percentage of the contract will be subcontracted	
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:

Designated Group: An EME or OSE which is at last 51% owned by:

Designated Group: An EME or OSE which is at last 51% owned by:

OSE

Designated Group: An EME or QSE which is at last 51% owned by:	EME √	QSE V
Black people		
Black people who are youth		
Black people who are women		
Black people with disabilities		<u> </u>
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	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	

9.	DECLAR	ATION WITH REGARD TO COMPANY/FIRM								
9.1	Name	of company/firm:								
9.2		gistration number:								
9.3	Compa	any registration number:								
9.4	TYPE	TYPE OF COMPANY/ FIRM [TICK APPLICABLE BOX]								
	0 0 0	Partnership/Joint Venture / Consortium One person business/sole propriety Close corporation Company (Pty) Limited								
9.5 	DESC	RIBE PRINCIPAL BUSINESS ACTIVITIES								
 9.6	COMP									
		Manufacturer Supplier Professional service provider Other service providers, e.g. transporter, etc.	· <b>y</b>							
9.7	Total n	umber of years the company/firm has been in bus	siness:							
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 of 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 be									
	iv) If i ha	<ul> <li>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 —</li> </ul>								
	(a)	disqualify the person from the bidding process;								
	(b)	recover costs, losses or damages it has incurre	d 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)	who acted on a fraudulent basis, be restricted t	nareholders and directors, or only the shareholders and directors by the National Treasury from obtaining business from any organ fter the audi alteram partem (hear the other side) rule has been							
	(e)	forward the matter for criminal prosecution.								
		A CONTRACTOR OF THE STATE OF TH								
	WITNE	SSES	OLONIA TURE (C) OF PURPERSON							
	1. :		SIGNATURE(S) OF BIDDERS(S)							
		ļ	DATE:							
*	2		ADDRESS							

ZNQ: 163/20/21

Revised: 21/04/2017

# PROVINCE OF KWAZULU-NATAL

# **DEPARTMENT OF HEALTH**

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

## **SPECIFICATION FOR:**

Ventilator – Advanced Adult ICU Ventilator **UMDNS: 17429** 

**SPECIFICATION: H.T.S A77 (ANAESTHETICS)** 

# **Description:**

An advanced I.C.U. ventilator suitable for long-duration ventilation of adult patients remaining within the ICU.

# **Intended Areas of Use:**

T1 and T2 Hospitals Quaternary hospitals

# **Expert Advisory Group:**

Anaesthesia Critical Care

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

*		BIDDERS COMMENTS:
NO	SPECIFICATION	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.	Consideration of the constitution of the const
Clause G3.6	Travelling and Travelling Time costs must be included during the Guarantee Period?	response to the second section of the second section of the second secon
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.	
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. In case where the unit need to be simulated at a designated Simulation Site, Bidder must deliver the unit at no extra cost. Random inspection will be conducted upon delivery to verify quality against specification	
Clause G5	Bidders must offer the Health Technology Service's In House Technicians a demonstration of the product, which will enable the Health Technology Service's In House Technicians to become acquainted with the equipment during the Test and Acceptance phase.	

Clause G6	Preference may be given to a make and model that has been technically and clinically evaluated by a Government Institution within the R.S.A. (Attach proof of evaluation where applicable).	
Clause G7	The successful bidder must provide the Health Technology Service's in house Technicians, <b>full training</b> in the calibration, maintenance, service and repair of the product down to PCB Level. N.B. The quality and level of the training must be equivalent to the manufacturer's original factory training and any costs incurred to provide this training will be for the bidders account. A Certificate of Competency must be issued on completion of the training. The Training must be provided by the successful bidder to the Health Technology Services within three months from date of initial supply and delivery of the equipment to the end user.	
Clause G8	SERVICING:	Constitution and the second second
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 reserve 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 :	
Clause CO 5	Telephone Number/s:  Fax number:  (The Health Technology Services reserves the right to inspect the premises).	
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	

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; to 10 20 days; to 10 advays; to			
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HTS A77 Advanced Adult ICI Ventilator	Clause G21	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	
Clause G22.1	comply with: The Occupational Health and Safety Act (1993);	
- 0.0000		
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	
5.000 52.	a minimum length of (3) three metres.	
	N.B. The mains cable of the unit being quoted for must be S.A.N.S. colour coded.	
Clause G25	The equipment being quoted for must be protected against Electro magnetic Interference.	
Clause G26	Only new equipment must be quoted for. Refurbished and reconditioned equipment being quoted on will not be accepted.	
Clause G27	Bidders must note that dedicated test equipment, spare parts and any special tooling required	
0100000	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	
Clause G29	Technology Services at no extra cost to the final bid price.  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	License No:
	offered.	
Clause G29.3	Where it has been established by the bidder that the equipment offered does not require	
014430 02010	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.	Cente di California de Cal Salado de California de Ca
Clause G31	The offer submitted must be supported by descriptive literature, colour pamphlets, colour	
	brochures and technical data sheets applicable to the offer (i.e. supporting information for all components of the system) must accompany the bid, failing which the bid will <u>not</u> be	
	considered.	
Clause G32	The equipment and any accessories ordered from the successful bidder will be delivered,	
	installed, tested, calibrated, demonstrated (including specified training) and commissioned in	
	the specific Hospital at the expense of the successful Bidder, prior to full payment being made.	Comments of the second
Clause G33	All prices are to include V.A.T. and must be quoted in the South African currency. The price	
	must be valid for a period of 180 days from closing date of bid.	
Clause G34	If the product offered is unknown to the Department, the Department reserves the right to	
	have the unit evaluated by a team of Technical and Clinical <u>experts</u> with regards to its functionality, performance and quality. The decision of this committee will be used as a	
	motivation for the evaluation and recommendation of the bid. For this reason a	
	demonstration unit must be readily available, or the bidder must take arrange for	
	demonstration with representatives of the Department for the equipment offered at a site	
	within South Africa where a same make and model of unit is installed and is in full clinical	
	operation. The cost of this site visit is for the account of the bidder and it must therefore not place any obligation on the Department to procure from the bidder.	
Clause G35	The Institution requesting the unit reserves the right to clinically trial and evaluate the unit in	
	1	

~	order to ensure that the unit meets the clinical requirements of the Department before adjudication of the bid.	A Transfer of the Control of the Con
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:	4
Clause G37.1	All future upgrades (hardware and software) involving <u>patient safety</u> must be offered at no additional cost.	
Clause G37.2	All future upgrades removing software viruses from existing software must be supplied at no cost.	
Clause G37.3	Any upgrade before or after installation of the equipment involving additional cost must be brought to the attention of the Manager, Health Technology Services.	
Clause G38	The Bidder must indicate the expected life of their offered unit and software in years.	

# TECHNICAL SPECIFICATION.

NO	SPECIFICATION	STATE YES OR NO Give information or values where appropriate. Supply information on a separate sheet if space provided is inadequate.
Clause T1	A bid is called for the <b>supply</b> , <b>delivery</b> and <b>commissioning</b> of an I.C.U. Ventilator incorporating the latest technology and primarily designed for long-duration ventilation of <b>adult</b> patients remaining within the ICU.	
	The Advanced ICU ventilator must have appropriate ventilator modes and analysis tools to facilitate the ventilation of patients with complex lung pathologies.	
Clause T2	The unit must be capable of providing safe ventilation for  i) Adult patients  ii) Paediatric patients  The inclusion at no extra cost of safe Neonatal ventilation capabilities would be considered an advantage as this would increase the flexibility of deployment of the device.	i) ii) iii)
	<ul> <li>The bidder should define the applicable mass range, and enclose supplementary documentation to facilitate evaluation of the device for compliance with Neonatal ventilator specifications.</li> <li>If Neonatal ventilation capacity is only available as an optional extra, prices of the required software and/or hardware should be listed in the schedule of optional accessories.</li> </ul>	•
Clause T3	System components	
	The following components must be offered and must be included in the tender price.  i) Ventilator.  ii) Trolley.  iii) All essential accessories for an adult patient.  iv) Starter pack of consumables for ventilator and monitoring devices of an adult patient  v) Graphics package – including Graphics Monitor	i) ii) iii) iv) v)
Clause T4	i) State the dimensions and mass of the ventilator without the trolley as well as the wheel base of the trolley  Height of ventilator:  Height on trolley:  Width:  Depth:  Mass:  Wheel base:  End-users may specify appropriate maximum dimensions relevant to their specific applications  ii) The material used for the construction of both ventilator and trolley must be corrosion resistant and suitable for use in an intensive care environment.  Ventilator must be well secured on to the trolley.  State method used.	Height of ventilator: Height on trolley: Width: Depth: Mass: Wheel base:
	<ul><li>iv) The trolley must be stable and suitable for moving the unit within the institution.</li><li>v) Castors must be at least 100mm in diameter with a brake on at least two castors.</li></ul>	

NO	SPECIFICATION	STATE YES OR NO
		Give information or
		values where appropriate.
		Supply information on a
		separate sheet if space
		provided is inadequate.
Clause T5	The unit must comply with the following or most recent equivalent safety and qua	ality standards
	i) EN 794 – 1 Lung ventilation.	[ <u>i)</u>
	ii) IEC 60601-1:2005/A1:2012 and 60601-1-2:2007	li)
	iii) IEC 60601-2-12.	<u>                                     </u>
	iv) ISO 10651.	iv)
	v) ISO 80601-2-12:2011	V)
	vi) IEC 60101 vii) FDA or CE certification	vi) vii)
	viii) Hazardous Substances Act (Act 15 of 1973)	viii)
	ix) Occupational Health and Safety Act, 1993	ix)
	x) SABC 0142	x)
	A) GADO 0142	^/
	Bidders must submit certification indicating which standards the unit meets.	
Clause T6	Power and Batteries	
	i) The unit must operate off an Input voltage of 220Volt AC 50hz single phase	[ i)
	allowing a variation of plus and minus 10%.	1
	ii) The unit offered must have a circuit interrupter in both the live and neutral.	l ii)
	iii) Battery backup must be provided to operate the ventilator for a period of at least	
	one hour.	
	iv) Specify running time of new battery.	iv)
	v) State the battery recharging time from flat battery.	v)
	vi) State number of recharging cycles of battery offered. (Battery life).	vi)
Clause T7	Parameter setting must be user friendly and must include the following:	
	i) Ventilation frequency:	i)
	Minimum range of 1 – 80 bpm.	,
	ii) Inspiratory time:	ii)
	Minimum range of 0.5 – 3.0 seconds.	
	iii) Inspiratory Pressure:	iii)
	Minimum range of 0 – 80 cmH2O.	
	iv) PEEP:	iv)
	Minimum range of 0 – 40 cmH₂O.	
	v) Tidal Volume capability:	v)
	From minimum < 50 ml to maximum > 1900ml per breath.	
	< 5 ml if Neonatal mode is offered	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
	vi) Peak Inspiratory Flow: > 90€ pm. (litres per minute)	vi)
	vii) Trigger sensitivity:	vii)
	Pressure or flow and must be user adjustable.	<b>***</b> /
	Specify the range on the unit offered.	
	viii) O <sub>2</sub> concentration:	viii)
	21% – 100%.	,
	ix) Pressure Support Ventilation (PSV) or Assisted Spontaneous Breathing (ASB):	; ix)
	0 – 60cm H₂O.	·
	x) User adjustment of inspiratory-to-expiratory cycling parameter in PSV/ASB more	des x)
	and for PSV breaths in SIMV modes	
	xi) Inspiratory Rise time / Ramp	xi)
	Must be user adjustable	
٠. ا	Specify the range on the unit offered.	
:	xii) All the above settings must be electronically displayed on the Ventilator.	xii)
	xiii) The user must be able to program default start-up settings.	xiii)
	xiv) User must be able to select whether to primarily set Inspiratory Time or I:E Rat	tio. xiv)

NO	SPECIFICATION	STATE YES OR NO Give information or values where appropriate. Supply information on a separate sheet if space provided is inadequate.
Clause T8	Essential Modes for ventilation via an endotracheal tube:	
	i) Volume ventilation, assist control.	i)
	ii) Volume ventilation, SIMV + PSV.	ii)
	iii) Pressure ventilation, assist control.	iii)
	iv) Pressure Ventilation, SIMV + PSV.	iv)
	v) Pressure Ventilation with guarantee of set Tidal Volume*, Assist Control (*ventilator automatically adjusts inspiratory pressures to achieve set Tidal Volume)	v)
	vi) Pressure Ventilation with guarantee of set Tidal Volume, SIMV + PSV	vi)
	vii) Spontaneous ventilation with Pressure support.	víi)
	viii) Pressure Support Ventilation with guarantee of set Tidal Volume ("Volume Support")	viii)
	ix) Continuous Positive Airway Pressure (CPAP) / PEEP only	ix)
	x) Apnoea backup ventilation in all spontaneous modes	x)
	The user must be able to select and adjust the apnoea backup ventilation mode.	
	xi) Bi-level" or "Airway-Pressure-Release Ventilation", with and without additional PSV.	xi)
	xii) A specific weaning support mode to facilitate and accelerate liberation of the patient from the ventilator.	xii)
	This mode should meet the requirements of the end-user.	
	Examples of such modes could include (but are not limited to):	
	<ul> <li>Systems for assessment and proportional reduction of work of breathing.</li> </ul>	•
	<ul> <li>Systems for advanced assessment of respiratory muscle mechanics</li> </ul>	•
	<ul> <li>Algorithm-based closed-loop systems, with automatic adjustment of</li> </ul>	•
	ventilator rate and support.	
	<ul> <li>Expert-system based systems for reduction of respiratory support.</li> </ul>	•
	xiii) The bidder should provide detailed technical information, with relevant clinical	xiii)
	references and outcome studies and motivation, of the specific mode offered.	Allij
	xiv) For each mode description listed above the state the corresponding nomenclature	xiv)
	used on the device offered	N/V)
Clause T9	Essential Modes for Non-Invasive Ventilation	
	i) For ventilation via facemask, hood or similar patient interface	i)
	ii) Non-Invasive Continuous Positive Airway Pressure	l ii)
	iii) Non-Invasive PSV	l iii)
	iv) Any other modes included in the unit offered must be listed and stated.	lv)
	Clinical significance of other modes where applicable must be supported.	*Landau
	v) Provide details of the leak compensation and leakage alarm adjustments that are	v)
	applied in the Non-Invasive Ventilation modes.	
	vi) Describe the apnoea detection systems	vi)
Clause T10	The ventilator must include the following functions:	
	i) Pre-Oxygenation feature.	i)
	ii) Inspiratory Hold.	ii)
	iii) Expiratory Hold.	iii)
	iv) Adjustable alarm volume.	iv)
	v) Suction window.	v)
	vi) Manual breath.	vi)
	vii) Measurement of intrinsic Positive End Expiratory Pressure (PEEP-i).	vii)
	viii) Endotracheal tube resistance compensation	viii)
	ix) Calculation of predicted body mass based on patient height	ix)

NO	SPECIFICATION	STATE YES OR NO Give information or values where appropriate. Supply information on a separate sheet if space provided is inadequate.
Clause T11	The ventilator must include the following prioritized audible and visible alarms:	
	State the parameters of all the alarm settings.	
	i) Power supply failure.	i)
	ii) Low battery.	ii)
	iii) Gas supply failure	iii)
	iv) High / Low minute volume.	iv)
	v) Variable Apnea alarm.	v)
	vi) High / low PEEP / base line.	vi)
	vii) High / low Fractional Inspired Oxygen (FiO2)	vii)
	viii) High Breath rate.	viii)
	ix) High / low Paw.	ix)
	x) Patient-circuit disconnect alarm.	x)
	xi) Fail to cycle.	xi)
	xii) Incompatible settings.	xii)
	xiii) Maximum 2 minute alarm silence.	xiii)
	xiv) Alarm silence and reset must be separate functions.	xiv)
	xv) Audible alarm volume control must be provided.	xv)
Clause 12	Pneumatic gas sources – Piped Oxygen and Medical Air	
	The unit must be supplied with hoses of at least 3 metres that are colour coded to the requirements of the South African Bureau of Standards and must be terminated with a gas specific probe, SABS Number: 1409 probe	
Clause T13	The ventilator must include the following features:	
	i) A mechanism to avoid accidental change of ventilator settings.	i)
	Specify mechanism	
	ii) Internal oxygen blending system.	ii)
	iii) Diagnostic self-test after power switch on.	iii)
	NB: Instructions for all necessary user actions that must be performed during self-	The state of the s
	tests and circuit checks must be displayed on the screen	
	iv) Integrated oxygen monitoring.	iv)
	Provide details of system used, and detail any consumable items (along with	
	replacement schedule and cost)	
	v) End-Tidal Carbon Dioxide monitoring (PetCO2) with the ability to display a	(V)
	PetCO2 waveform on the screen.	
	Provide details of the measurement system (mainstream or side-stream), the	
	technical specifications of the device, and a schedule of the consumable items	
	required.	
Clause T14	Nebulizer	In
	i) The nebulizing system must not add net volume or pressure to the circuit and	i)
	must not cause the oxygen concentration delivered to the patient to differ from that	
	set on the ventilator.	
	ii) Please specify the type of nebulizer offered and confirm that it is operative in all	117
	ventilation modes: volume, pressure and spontaneous.	ii)
	iii) Supporting brochures with technical information must be submitted with the offer.	iii)
	iv) State whether the nebulizing unit is integrated into the ventilator.	in
	v) If it is not integrated it must be securely mounted – Provide details	iv)
	vi) Specify the type of disposables or accessories (including catalogue numbers and	\ \ <sub>M</sub>
	costs) needed to operate the nebulizer.	(v)
	vii) The Nebulizer cost must be included in the final bid price	<u> </u>

NO	SPECIFICATION	STATE YES OR NO Give information or values where appropriate. Supply information on a separate sheet if space provided is inadequate.
Clause T15	Colour Graphics package	
	A high resolution colour graphical user interface with touch-screen must be present	i)
	ii) The display must be clearly visible from at least 2m.	ii)
	iii) The diagonal dimension of the screen must equal or exceed 30cm.	iii)
	Specify the size and resolution of the screen.	
	iv) The correct description, catalogue number and full details of the package offered	iv)
	must be supplied.	
Clause T16	Display of the following must be included:	E
	i) Simultaneous display of 3 waves:	i)
	Pressure-Time, Flow-Time and Volume-Time, with a freeze and cursor	
	function, and scalable axes.	l
	ii) The enduser must be able to configure the screen to meet a variety of	ii)
	operational requirements, including the ability to display large digit fields, and	
	the ability to simultaneously display waveforms and loops.	
	iii) Graphic trends over a period of a minimum of 24 hours.	iii)
	Specify the period.	
	iv) Numerical tabular trends of up to 20 variables, and set values and alarm	iv)
	messages for up to 3 days.	
	v) Error Log / Trace.	( v)
	vi) Pressure-volume loops and flow-volume loops with a freeze and a cursor	vi)
	function.	
	vii) It must be possible to save and compare a reference loop.	vii)
	viii) The ability to display loops while waveform display continues to be visible	viii)
	would be an advantage.	
	ix) The following parameters must be displayable:	ix)
	Airway resistance	•
	Compliance: dynamic and static	•
	Work of Breathing	•
	• P0.1	•
	x) The following measured values MUST be displayable:	x)
	Peak (Maximum) Inspiratory Pressure	•
	Mean Airway Pressure	•
	PEEP	•
	Expiratory and Inspiratory Tidal Volume	•
	Expiratory and inspiratory ridal volume     Minute Volume	•
		•
	Leakage in percentage  Tatal Respiratory Rate	•
	Total Respiratory Rate     Total Respiratory Time and I/E ratio	•
	Inspiratory Time, Expiratory Time and I:E ratio	•
	• FiO2	•
ļ	<ul> <li>Inspiratory and Expiratory Flow.</li> </ul>	
Clause T17	Additional capabilities	
Olause III	i) It would be considered an ADVANTAGE if the ventilator as supplied could	i)
	measure oesophageal pressures and allow for the calculation of transpulmonary	7
	pressures	
	List a schedule of required consumables and attachments, with their relevant	
	prices and product codes.	
	ii) It would be considered an <b>ADVANTAGE</b> if the ventilator as supplied could perform	l ii)
	a quasi-static full vital capacity Pressure-Volume (compliance) curve to allow	"/
	calculation of inflation and deflation inflection points and lung mechanics	
		iii)
	iii) It would be considered an ADVANTAGE it the ventilator as supplied could measure or estimate End-Expiratory Lung Volume to allow titration of PEEP	""/
	Provide details of the system used to achieve this	
	Provide details of the system used to achieve this.	

NO	SPECIFICATION	STATE YES OR NO Give information or values where appropriate. Supply information on a separate sheet if space provided is inadequate.
Clause T17	iv) To assist the committee with placement of equipment in facilities with special	iv)
Cont	requirements:	
	<ul> <li>Describe any relevant additional capabilities available on the machine as</li> </ul>	•
	standard,	
	Provide information regarding additional potentially useful proprietary    Provide information regarding additional potentially useful proprietary	•
	capabilities that are optionally available for the machine  List the prices of software and additional hardware required in the	
	schedule of optional accessories.	
	Examples of such items may include:	•
	Neonatal mode and software (as in 2C)	
	<ul> <li>Volumetric capnography</li> </ul>	
	o Pulse oximetry	
	<ul> <li>Automatic oxygen adjustment</li> </ul>	;
	<ul> <li>Complete closed-loop system incorporating ventilation</li> </ul>	
	adjustment and oxygenation adjustment	
	o Diaphragmatic sensing for control of ventilation	
	<ul> <li>Transpulmonary pressure monitoring</li> <li>Metabolic assessment</li> </ul>	
	Automatic control of endotracheal cuff pressures	
Clause T18	Technical Evaluation	
	Prior to final adjudication of the bid, bidders are required to make an example of the device offered available to a Technical Evaluation Committee (TEC) as appointed by the KwaZulu-Natal Health Technology Services.  The TEC will	
	i) Verify compliance with the specifications	i)
	ii) Verify that the ergonomics of the device are acceptable for use in facilities of the	ii)
	KwaZulu-Natal Department of Health	
	iii) Verify that the characteristics of the device are appropriate to meet reasonable	3123
	special requirements of the specific facilities for which the equipment is being	iii)
Clause T19	procured ACCESSORIES	
Clause 119	The unit must be supplied with the necessary accessories in order that it can be put into use	
	immediately	
	The following must be included:	
	i) One complete Adult circuit	i)
	The patient circuit must be of dual-hose type, with return of exhaled patient gases	
	to ventilator unit.	***
	ii) An adjustable circuit supporting arm	ii)   iii)
	<ul> <li>iii) A test lung which complies with the unit on offer.</li> <li>iv) A built-in microbial filter for exhaled gases that does not significantly increased</li> </ul>	"")   iv)
	resistance to respiratory flow prior to release of exhaled gases to the environment	14)
	would be considered an ADVANTAGE.	
	Detail the performance characteristics of any such inbuilt filtration system, with	
	reference to standards	
	v) The ventilator must be compatible with a dual servo controlled dual servo	( v)
	controlled humidifier (water bath type), similar or functionally equivalent to Fisher	
	& Paykel-MR850.	\ri\
	vi) Bidders must be able to offer this as an <u>optional extra</u> to be delivered with the ventilator.	vi)
	The bidder to list all accessories (including catalogue numbers and cost)	vii)
	included in the bid price. All prices must be inclusive of V.A.T.	,
	vii) The bidder to list all optional extra accessories (including catalogue numbers and cost) under the optional accessory section.	viii)

NO	SPECIFICATION	STATE YES OR NO Give information or values where appropriate. Supply information on a separate sheet if space provided is inadequate.
Clause T20	CLEANING	
	Supply details of the cleaning protocols between patients as per manufacturer's recommendation.  Specify the details and cost of any consumables that may be required and state the price in the schedule at the end of this specification.	
Clause T21	UPGRADES	
	Bidders to describe upgrade paths available on the unit offered and to state policy with regard to future software upgrades.	
	<ul> <li>All future upgrades (hardware and software), where applicable, involving <u>patient</u> <u>safety</u> must be supplied at no additional cost.</li> </ul>	i)
	ii) All future upgrades removing software viruses from existing software, where applicable, must be supplied at no additional cost.   ii) All future upgrades removing software viruses from existing software, where	ii)
	iii) Any software upgrade, where applicable, before or after installation of the equipment must be brought to the attention of the CEO of the Institution and the Manager, Health Technology Services	iii)
Clause T22	MANUALS	
0.0000	The bidder must include in their offer at no extra cost to the final bid price:	
	<ul> <li>i) Complete user Operation/Maintenance Manual x 2 (two) Book/File; CD; DVD copies in English Language</li> <li>ii) Complete ORIGINAL Service/Repair Manual x 2 (two) Book/File; CD; DVD copies in English Language which MUST include the following information:         <ol> <li>iii) Fault Finding Guide</li> <li>iv) Circuit Diagrams/Schematics</li> <li>v) Circuit Descriptions</li> <li>vi) PCB Layouts</li> <li>vii) Calibration Guide</li> <li>viii) Part numbers and exploded diagram of mechanical parts/panels.</li> </ol> </li> <li>The offer submitted must be supported by descriptive literature, colour pamphlets, colour brochures and technical data sheets applicable to the offer.</li> </ul>	i) ii) iii) iv) v) vi) viii) viii)
	FAILURE TO SUBMIT THE ABOVE WILL RESULT IN THE BID BEING DISQUALIFIED.	
Clause T23	Bidders must state the Radiation Control Licence number of the make and model of the equipment offered.  If this type of equipment/apparatus appears on the schedule of Hazardous Substances, issued by the Directorate: Radiation Control of the Department of Health, a licence in terms of the Act on Hazardous Substances (Act 15/1973) must be submitted with the bid document.	
	The licence must be registered under the bidders name or the letter of Joint Venture must be submitted by the Licence holder where the licence is not in the name of the bidder.  BIDDERS THAT NEGLECT TO SUBMIT A LICENCE WILL BE DISQUALIFIED	
Clause T24	GUARANTEE / WARRANTY	
	The bidder must provide a minimum of <b>24-month warranty / guarantee period</b> for the unit offered.  Tenderers will be required to quote on a comprehensive 5 year service contract that will be used as a guide in considering life cycle cost of the unit offered. The service contract may or may not be entered into	

# **SCHEDULE OF CONSUMABLES**

Bidders must quote for consumables that are used with the system offered. Bidders must also indicate if these consumables need to be compatible with the system offered or whether generic consumables can be utilised with the system offered.

Cat No	Item	Price including VAT
	. i	

# SCHEDULE OF OPTIONAL ACCESSORIES

.Bidders must quote the price of the optional accessories and items listed as well as any other accessories that may be useful to the end users.

Cat No	ltem	Price including VAT
	. ,	

**DETAILED TECHNICAL SPECIFICATION** 

GENERAL INFORMATION REQUIRED

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# FAILURE TO COMPLETE THIS PART WILL DISQUALIFY THE BIDDER

Description of	item:	66 x Ventilator ICU, Ad	ult, Standard
Make:			
Model:			
Country of Ma	anufacture:		
Final Bid Pric	e must be Inclusive of VAT:		
Local Agent (	KwaZulu-Natal):		
Delivery Perio	od:		
R S A Import	Permit Holder:	•	
Bidder :			
Signature:		Date:	
Address:			11 12
Telephone no	):		
Contact perso			
Month	MONTHLY Value	SERVICE AGREEMENT PAYME Month	NT SCHEDULE Value
			R
1	R	19	N

Month	Value	Month	Value
1	R	19	R
2		20	
3		21	
4		22	

5 '	,	23			
6		24			
7		25			
8		26			
9		27			
10		28			
11		29			
12		30			
13		31			
14		32			
15		33			
16		34			
17		35			
18		36			
TOTAL SERVICE AGREEMENT COST FOR THREE YEAR PERIOD  AFTER LAPSE OF MINIMUM ONE YEAR GAURANTEE PERIOD PER  ITEM IN EQUAL PAYMENTS. MONTHLY SCHEDULE TO INCLUDE  ALL COSTS i.e. TRAVELLING, LABOUR, SPARE PARTS REQUIRED  FOR ATTENDING BREAKDOWN AND ALL SERVICE KITS REQUIRED  FOR SERVICING THE EQUIPMENT.					
ALSO STATE TH ARE UNDERTAK Institution for wh	IST QUOTE FOR A FULLY COMPREHENSIVE MAINTEN IE NUMBER OF SERVICES AND LIST ON A SEPARATE IEN. In the equipment is intended Il only apply to the abovementioned Institution.				
Bidder:		•			
Signature:	Signature:Date:				