health
Department:
Health
PROVINCE OF KWAZULU-NATAL

Quotation Advert

Opening Date:	27 SEPTEMBER 2022
Closing Date:	04 OCTOBER 2022
Closing Time:	11:00

INSTITUTION DETAILS

Institution Name:	HLABISA HOSPITAL
Province:	KWAZULU NATAL
Department or Entity:	Department of Health
Division or section:	Central Supply Chain Management
Place where goods / services is required	HLABISA HOSPITAL
Date Submitted	26 SEPTEMBER 2022

ITEM CATEGORY AND DETAILS

Quotation Number:	HLB: 150-22/23
Item Category:	GOODS
Item Description:	TARGET CONTROLLED INFUSION SYRINGE PUMP

COMPULSORY BRIEFING SESSION / SITE VISIT

Select Type:	NOT APPLICABLE
Date :	
Time:	
Venue:	

QUOTES CAN BE COLLECTED FROM:	60 SAUNDERS STREET, HLABISA HOSPITAL SCM NEW BULDING
QUOTES SHOULD BE DELIVERED TO:	60 SAUNDERS STREET, HLABISA HOSPITAL MAINGATE TENDERBOX

ENQUIRIES REGARDING THE ADVERT MAY BE DIRECTED TO:

Name:	N.L DLAMINI
Email:	hlabisa.quotations@gmail.com
Contact Number:	035 838 8676

Finance Manager Name: MISS N.B MASONDO

Finance Manager Signature:

No late quotes will be considered

STANDARD QUOTE DOCUMENTATION OVER R30 000.00

YOU ARE HEREBY INVITED TO QUOTE FOR REQUIREMENTS AT: HLABISA HOSPITAL

DATE ADVERTISED: 27 SEPTEMBER 2022 CLOSING DATE: 04 OCTOBER 2022 CLOSING TIME: 11:00

FACSIMILE NUMBER: 035 838 1959 E-MAIL ADDRESS: hlabisa.quotations@gmail.com

PHYSICAL ADDRESS: 60 SAUNDERS STREET, HLABISA HOSPITAL, HLABISA,3937

DEPARTMENT OF HEALTH KZN
HLABISA DISTRICT HOSPITAL
SUPPLY CHAIN MANAGEMENT
QUOTATIONS
27 SEP 2022
PRIVATE BAG X5001
HLABISA 3937
UMNYANGO WEZEMPILO KWAZULU NATAL

QUOTE NUMBER: HLB:150-22/23

DESCRIPTION: SUPPLY AND DELIVERY OF TARGET CONTROLLED INFUSION(TCI) SYRINGE PUMP

CONTRACT PERIOD ONCE OFF (*if applicable*) VALIDITY PERIOD 60 Days SARS PIN.....

CENTRAL SUPPLIER DATABASE REGISTRATION (CSD) NO.

UNIQUE REGISTRATION REFERENCE

DEPOSITED IN THE QUOTE BOX SITUATED AT *(STREET ADDRESS)*

60 SAUNDERS STREET, HLABISA HOSPITAL MAINGATE TENDERBOX

HLABISA, 3937

Bidders should ensure that quotes are delivered timeously to the correct address. If the quote is late, it will not be accepted for consideration.

The quote box is open from 08:00 to 15:30.

QUOTATIONS MUST BE SUBMITTED ON THE OFFICIAL FORMS – (NOT TO BE RETYPED)

THIS QUOTE IS SUBJECT TO THE PREFERENTIAL PROCUREMENT POLICY FRAMEWORK ACT AND THE PREFERENTIAL PROCUREMENT REGULATIONS, 2011, THE GENERAL CONDITIONS OF CONTRACT (GCC) AND, IF APPLICABLE, ANY OTHER SPECIAL CONDITIONS OF CONTRACT.

THE FOLLOWING PARTICULARS MUST BE FURNISHED
(FAILURE TO DO SO MAY RESULT IN YOUR QUOTE BEING DISQUALIFIED)

NAME OF BIDDER .....

POSTAL ADDRESS .....

STREET ADDRESS .....

TELEPHONE NUMBER CODE.....NUMBER..... FACSIMILE NUMBER CODE .....NUMBER.....

CELLPHONE NUMBER .....

E-MAIL ADDRESS .....

VAT REGISTRATION NUMBER (If VAT vendor) .....

HAS A B-BBEE STATUS LEVEL VERIFICATION CERTIFICATE BEEN SUBMITTED? (SBD 6.1) YES | | NO | |

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

OFFICIAL PRICE PAGE FOR QUOTATIONS OVER R30 000 QUOTE NUMBER: HLB:150-22/23

DESCRIPTION: SUPPLY AND DELIVERY OF TARGET CONTROLLED INFUSION (TCI) SYRINGE PUMP

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
		SUPPLY AND DELIVERY OF:				
	09	TARGET CONTROLLED INFUSION (TCI)				
	UNIT	SYRINGE PUMP				
		H.T.S SPECIFICATION ATTACHED				
		*SBD 8 MUST BE COMPLETED AND RETURNED				
		BACK WITH THE DOCUMENT				
		*NB.: PLEASE DO NOT CHANGE THE DOCUMENT				
		QUOTATION DOCUMENT CAN BE EMAILED OR				
		FAXED AT YOUR OWN RISK DUE TO NETWORK				
		CHALLENGE				
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., *1day, 1week*	

Enquiries regarding the quote may be directed to:

Contact Person: N.L DLAMINI Tel: 035 838 8676

E-Mail Address: hlabisa.quotations@gmail.com

Enquiries regarding technical information may be directed to:

Contact Person: M.P XULU Tel: 035 838 8676

Revise Date: 9/07/2015

PROVINCE OF KWAZULU-NATAL

DEPARTMENT OF HEALTH

HEALTH TECHNOLOGY SERVICES (H.T.S)

SPECIFICATION FOR:

UMDNS: 13217
E132 (ELECTRONICS)
TARGET CONTROLLED INFUSION (TCI) SYRINGE PUMP

A programmable syringe driver with computer controlled infusion capabilities **for use during anaesthesia**

SPECIFICATION: H.T.S. – E 132 (ELECTRONICS)

Intended Areas of Use:
Theatres in:
Regional Hospitals
Tertiary Hospitals

Expert Advisory Group:
Anaesthesia

Approved
1/1/2016

NB: GENERAL CLAUSES THAT DO NOT APPLY TO THE EQUIPMENT OFFERED MUST BE ANSWERED "COMPLIES", "DOES NOT COMPLY" OR ANSWER THE QUESTION UNDER BIDDERS COMMENTS.

NO	SPECIFICATION	BIDDERS COMMENTS: STATE "COMPLIES" OR "DOES NOT COMPLY" OR ANSWER THE QUESTION.
Clause G1.1	The space provided under "Bidder's Comments" for each clause must be used for this purpose. Bidders who neglect to provide answers to every Clause in this Bid Specification will be disqualified. Bidders must note that abbreviated answers e.g. N/A etc. will not be accepted. Bidders must also note that no part of any clause/s in this Bid Specification may be altered. Where there are traces of alterations found to any clauses in this Bid Specification during Adjudication, the Adjudication Committee will reserve the right to disqualify the bidder. The Bidder must clearly indicate if their offered product complies with the stated requirements, by indicating, "Complies" or "Does not comply" or answer the question next to the corresponding clause.	
Clause G2	All responses must be clear and legible.	
Clause G3	**GUARANTEE:**	
Clause G3.1	All Equipment, Materials and Workmanship provided under this Contract must be Guaranteed for a minimum period of twenty four (24) Months. The successful bidder must arrange with the respective Hospital / Institution and the Health Technology Services before Commissioning the Equipment at the respective Hospital / Institution. The bidder to note that the Guarantee period must only take effect upon successful Commissioning at the respective Hospital / Institution and successful test and acceptance by the Health Technology Services.	
Clause G3.2	State percentage guaranteed up time of machine (Should be at least 99%).	
Clause G3.3	The recommended number of services, per annum, by the manufacturer, must be included during and up until the end of the guarantee period and all costs related to the provision of such service/s will be for the bidders account.	
Clause G3.4	The bidder must state the number of services that will be provided during and up to the end of the guarantee period.	
Clause G3.5	Any breakdown during the guarantee period must include all cost (spares, labour, travelling and sundries) for any prescribed maintenance services (major and minor) as well as any QA testing that is required by Department Health's Radiation Control Board during the guarantee period.	
Clause G3.6	Travelling and Travelling Time costs must be included during the Guarantee Period?	
Clause G3.7	Spares that may be required during the Guarantee Period will be supplied at the expense of the bidder.	
Clause G3.8	Downtime during the Guarantee Period must extend the Guarantee time on a Day-to-Day basis.	
Clause G3.9	Any repetition (twice or more) of the same type of fault that first	

NO	SPECIFICATION	BIDDERS COMMENTS: STATE "COMPLIES" OR "DOES NOT COMPLY" OR ANSWER THE QUESTION.
	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.	
Clause G5	Bidders must offer the Health Technology Service's In House Technicians a demonstration of the product, which will enable the Health Technology Service's In House Technicians to become acquainted with the equipment during the Test and Acceptance phase.	
Clause G6	Preference may be given to a make and model that has been technically and clinically evaluated by a Government Institution within the R.S.A. (Attach proof of evaluation where applicable).	
Clause G7	The successful bidder must provide the Health Technology Service's in house Technicians, **full training** in the calibration, maintenance, service and repair of the product down to PCB Level. N.B. The quality and level of the training must be equivalent to the manufacturer's original factory training and any costs incurred to provide this training will be for the bidders account. A Certificate of Competency must be issued on completion of the training. The Training must be provided by the successsful bidder to the Health Technology Services within three months from date of initial supply and delivery of the equipment to the end user.	
Clause G8	**SERVICING:**	
Clause G8.1	The bidder must have a well established service and repair facility in KwaZulu-Natal, to service, repair and calibrate the equipment offered. (The Health Technology Services reserves the right to inspect the premises).	
Clause G8.2	If the service is subcontracted to a local service agent, a signed copy of The letter of appointment by the bidder and acceptance by the Subcontractor must be submitted with this bid / quotation. (The Health Technology Services reserves the right to inspect the premises).	
Clause G8.3	State Number of other medical equipment "Repair & Service" Agencies (excluding your Agency) represented by the subcontractor.	
Clause G8.4	Supply the Name, Address and Telephone Number/s of the Local Service Department within KwaZulu-Natal. **Please supply details as follows:** **Company name** :_____ **Physical Address** :_____ _____ **Telephone Number/s** :_____	

NO	SPECIFICATION	BIDDERS COMMENTS: STATE "COMPLIES" OR "DOES NOT COMPLY" OR ANSWER THE QUESTION.
	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 into immediate operation. The cost of the starter pack must be included in the final bid price.	
Clause G10	Optional accessories must be offered for separately on the Schedule of optional accessories found at the end of this Technical specification, indicating catalogue numbers, correct descriptions and Prices inclusive of **V.A.T.**	
Clause G11	Bidder must state the period of time for delivery of Spare parts following the receipt of an official order as follows: 0 to 10 days; 0 to 20 days; 0 to 30 days; 0 to 60 days; 0 to 90 days; more than 90 days.	
Clause G11.1	The Bidder must supply with this offer a list together with the quantities of spares held locally in stock in the KwaZulu-Natal Province on the offered product. The Health Technology Services reserves the right to inspect the premises to verify the spares stock held.	
Clause G12	The bidder must include a firm commitment in writing, which must be attached with this bid that they would supply spares, components, upgrades, complete original service / repair manual, technical support and ongoing training support for technical staff of the Health Technology Services and the end users Department of Health, KwaZulu-Natal throughout the life cycle of the equipment offered.	
Clause G13	Spares must be available for 10 (Ten) years from the original equipment	

NO	SPECIFICATION	BIDDERS COMMENTS: STATE "COMPLIES" OR "DOES NOT COMPLY" OR ANSWER THE QUESTION.
	manufacturer for the product offered.	
Clause G14	**The successful bidder must include in their offer at no extra cost to the final bid price:**	
Clause G14.1	Complete user Operation / Maintenance Manual x 2 (two) Book / File; CD, DVD copies in English Language.	
Clause G14.2	Complete **ORIGINAL** Service / Repair Manual x 2 (two) Book / File; CD; DVD copies in English Language which MUST include the following information: Fault Finding Guide, Circuit Diagrams / Schematics, Circuit Descriptions, and **PCB** Layouts, Calibration Guide, Part Numbers and exploded diagram of Mechanical Parts / Panels.	
Clause G14.3	All the above Manuals must be properly bound in either a Book, File or CD form.	
Clause G14.4	The Bidder must supply all software (including software-keys and / or passwords) to allow for trouble shooting (faultfinding), maintenance, calibrations, repairs and services at no additional cost.	
Clause G15	Does your Company have an after hour service back up facility.	
Clause G16	If the equipment is taken away for repairs, a loan set must be made available on request to the end user by the Institution until the Institution's unit is returned. All costs incurred for providing the loan unit must be for the bidders account.	
Clause G17	Bidder must bid on the latest model and Technology that fully complies with this Technical Specification.	
Clause G17.1	The Bidder must state how long this technology has been commercially available (state when the model offered was launched).	
Clause G17.2	The bidder must state if there are any near future updates expected.	
Clause G18	The successful bidder must maintain a system for notifying and Providing users with Updates, Modifications, new Software Releases and Recalls.	
a. Clause G19	The successful bidders must arrange for an acceptance test of the equipment with the Manager of the Health Technology Services and the Hospital Manager. A copy of the original answered Specification, copy Of the invoice order and relevant paperwork (PH form) from the Receiving Hospital must be submitted with the equipment when the **ACCEPTANCE TEST** is to be undertaken.	
Clause G20	Where equipment bided for, operates off 220 Volt, 50Hz a.c. supply, bidder must ensure that the product being quoted for is fitted with a 15 Amp approved mains plug top, which is held together by two screws.	
Clause G21	The unit must comply with an acceptable International Electrical Safety Standard such as **IEC 60601-1** and **60601-1-2** for Medical Equipment Where the quoted equipment operates off an electrical supply.	
Clause G22	**All equipment, the installation and any alteration / additions must comply with:**	
Clause G22.1	The Occupational Health and Safety Act (1993);	
Clause G22.2	The wiring code S.A.N.S. 0142.	

NO	SPECIFICATION	BIDDERS COMMENTS: STATE "COMPLIES" OR "DOES NOT COMPLY" OR ANSWER THE QUESTION.
Clause G23	Units being quoted for must be CE Certified. (Attach a copy of certification). The make and the model offered must be reflected on the certificate.	
Clause G24	The Mains Cable of the unit being quoted for must be the Hospital Grade Type and it must be a minimum length of (3) three metres. N.B. The mains cable of the unit being quoted for must be S.A.N.S. Colour coded.	
Clause G25	The equipment being quoted for must be protected against Electro Magnetic Interference.	
Clause G26	Only new equipment must be quoted for. Refurbished and reconditioned equipment being quoted on will not be accepted.	
Clause G27	Bidders must note that dedicated test equipment, spare parts and any special tooling required for the upkeep and maintenance of the equipment quoted on must be available to the Health Technology Services to procure if requested.	
Clause G28	All the necessary calibration and maintenance software, where applicable, required to maintain and calibrate the equipment, must be supplied with the equipment to the Health Technology Services at no extra cost to the final bid price.	
Clause G29	**NB. HAZARDOUS SUBSTANCE ACT:**	
Clause G29.1	If this type of equipment / apparatus appears on the schedule of Hazardous Substances issued by the Directorate: Health Technology of the Department of Health, a license in terms of the Act on Hazardous Substances (Act. 15/1973) must be submitted with this bid document. The license must be registered under the bidders name or a letter of joint venture must be submitted by the license holder where the license is not in the name of the bidder. Bidders that neglect to submit a license will not be considered.	
Clause G29.2	Bidder must state the Radiation Control licence number of the make and model of equipment offered.	**License No:**
Clause G29.3	Where it has been established by the bidder that the equipment offered does not require Radiation Control licence, proof from the Radiation Control authority must be submitted with this bid document.	
Clause G30	The system offered must comply fully with or exceed all of the minimum specification requirements per the Technical Clauses.	
Clause G31	The offer submitted must be supported by descriptive literature, colour pamphlets, colour brochures and technical data sheets applicable to the offer (i.e. supporting information for all components of the system) must accompany the bid, failing which the bid will not be considered.	
Clause G32	The equipment and any accessories ordered from the successful bidder will be delivered, installed, tested, calibrated, demonstrated (including specified training) and commissioned in the specific Hospital at the expense of the successful Bidder, prior to full payment being made.	
Clause G33	All prices are to include V.A.T. and must be quoted in the South African currency. The price must be valid for a period of 180 days from closing date of bid.	

NO	SPECIFICATION	BIDDERS COMMENTS: STATE "COMPLIES" OR "DOES NOT COMPLY" OR ANSWER THE QUESTION.
Clause G34	If the product offered is unknown to the Department, the Department reserves the right to have the unit evaluated by a team of Technical and Clinical **experts** with regards to its functionality, performance and quality. The decision of this committee will be used as a motivation for the evaluation and recommendation of the bid. For this reason a demonstration unit must be readily available, or the bidder must take arrange for demonstration with representatives of the Department for the equipment offered at a site within South Africa where a same make and model of unit is installed and is in full clinical operation. The cost of this site visit is for the account of the bidder and it must therefore not place any obligation on the Department to procure from the bidder.	
Clause G35	The Institution requesting the unit reserves the right to clinically trial and evaluate the unit in order to ensure that the unit meets the clinical requirements of the Department before adjudication of the bid.	
Clause G36	**UPGRADEABILITY WHERE APPLICABLE:**	
Clause G36.1	Bidders are to state the policy with regard to future software updates and the costs that will be involved.	
Clause G36.2	The Bidder to state what hardware and software will be available, with costs and projected dates.	
Clause G37	**UPGRADE POLICY:**	
Clause G37.1	All future upgrades (hardware and software) involving patient safety must be offered at no additional cost.	
Clause G37.2	All future upgrades removing software viruses from existing software must be supplied at no cost.	
Clause G37.3	Any upgrade before or after installation of the equipment involving additional cost must be brought to the attention of the Manager, Health Technology Services.	
Clause G38	The Bidder must indicate the expected life of their offered unit and software in years.	

TECHNICAL SPECIFICATION.

SCOPE OF WORK

This specification establishes the requirements, supply, delivery, end user training, demonstration, commission and installation of a Target Controlled Infusion (TCI) Syringe Driver programmable with computer controlled infusion capabilities That is robust, user friendly and comprises of the latest technology.

Clause T1

The unit offered must be capable of functioning in two different modes. It must be able to function in a standard mode that delivers either volume or drug delivery in µg/mg/g per min/h/kg and be capable of an adjustable bolus administration up to rate of 1200 ml/hour for total I.V. Anaesthetic administration. In addition it must be able to function in a pharmacokinetic mode that allows the delivery of a pre-specified drug using standardized pharmacokinetic models. As a safety mechanism - when functioning in the pharmacokinetic mode the user should not be able to exit the mode without first specifically terminating the program. The pharmacokinetic mode should stay engaged even the pump is switched off and restarted.

TENDERER'S COMMENTS:

Clause T2

The unit must be provided as standard with the following pharmacokinetic models:

- Propofol – Marsh – plasma targeting
- Propofol – Schnider – plasma and effect site targeting
- Propofol – Kataria – paediatric model
- Remifentanil – Minto – plasma targeting
- Remifentanil – effect site targeting
- Sufentanil – Gepts – plasma targeting
- Sufentanil – effect site targeting

TENDERER'S COMMENTS:

Clause T3

When in the pharmacokinetic mode the unit must clearly display the drug name, concentration, the plasma/effect site concentration, and the plasma/effect site target. In addition the unit must be able to display the initial induction dose, the initial induction rate, the initial induction volume, the time of induction, the initial maintenance rate, the patient age, patient height, patient gender, patient weight, BMi, drug model being used, decrement time, decrement concentration, elapsed time, and volume and dose infused.

When not using the pharmacokinetic model a drug library must be available that, when selected, allows the name, concentration, and infusion rate of the selected drug to be displayed.

TENDERER'S COMMENTS:

Clause T4

The supplier must provide performance verification data for the unit that demonstrates the validity of their pharmacokinetic models.

TENDERER'S COMMENTS:

Clause T5

The unit must be for general drug administration application i.e. not dedicated for any specific drug. Tenderers must clearly take note that units, which make use of, dedicated syringes and dedicated giving set extensions will **not be** considered.

TENDERER'S COMMENTS:

ClauseT6

Preference will be given to a unit, which could be used with all common sizes of syringes. State the sizes. Preference will be given to a unit, which is compatible with the use of several different common makes / brands of syringes that are available. State the various brands of syringes that could be used with the unit being tendered on.

TENDERER'S COMMENTS:

Clause T7

The unit must automatically sense the syringe size and give a continuous visible indication, on the front panel, of the syringe size fitted. It should not be possible to operate the unit without it firstly being loaded with a syringe.

TENDERER'S COMMENTS:

Clause T8

The unit must be capable of delivering a high flow rate and the flow rate must be user selectable through the whole range. The flow rate must be well displayed on a display mounted on the front panel, and this display must offer excellent viewing under all lighting conditions. The unit must also have a facility to deliver a bolus dose when required during normal infusion delivery. The unit must be able to revert to the previously selected normal infusion delivery after administering a bolus.

TENDERER'S COMMENTS:

Clause T9

It must not be possible to change the flow rate on the pump during delivery. The pump must first be stopped, flow rate changed and then restarted. If no flow rate/zero flow rate is selected, it must not be possible to start the unit. The unit must provide an audible and visible alarm within a set period should the pump not be restarted. State this time interval.

or

Alternately there must be adequate safety precautions against tampering of settings by unauthorized persons. The tenderer must provide substantiation of this.

TENDERER'S COMMENTS:

Clause T10

The control panel and all control switches must be flush membrane type and resistant to the entry of fluids.

TENDERER'S COMMENTS:

Clause T11

The control panel must indicate whether the unit is operating off the 220 Volt, 50Hz a.c. line power or internal battery power.

TENDERER'S COMMENTS:

Clause T12

An essential feature must be a pump run indicator, which will provide the operator with visual indication that the pump is carrying out infusion delivery.

TENDERER'S COMMENTS:

Clause T13

The unit must produce a continuous audible and visual alarm for end of travel of syringe plunger. The unit must also be equipped with an audible and visible pre-alarm and its function will be such as to indicate that the syringe travel plunger is nearing its end and also when the set **"Volume to be infused"** is approaching final completion.

TENDERER'S COMMENTS:

Clause T4

The maximum occlusion pressure at which the unit must provide an alarm e.g. with the use of a 50 ml syringe at 1 ml and all higher rates must be ≤ 500 mmHg.

TENDERER'S COMMENTS:

Clause T15

The time to alarm following occlusion at 1 ml/h and all higher rates ≤ 36 min for the unit being tendered on.

TENDERER'S COMMENTS:

Clause T16

The bolus following release of occlusion at 1ml/h and all higher rates (at alarm) ≤ 0,6 ml for the unit being tendered on.

TENDERER'S COMMENTS:

Clause T17

The unit must also be provided with a **LOW BATTERY** alarm to warn the user of impending depletion of the internal battery charge.

TENDERER'S COMMENTS:

Clause T18

It must be possible to silence the audible alarm for a time not exceeding two minutes after which if the fault condition still exists the unit must automatically provide an audible alarm again.

TENDERER'S COMMENTS:

Clause T19

There must be a test routine for the verification of operation of alarms for the unit being tendered on.

TENDERER'S COMMENTS:

Clause T20

There must be separate switch controls and indicators for starting and stopping infusion delivery. When the unit is turned off, the last settings such as volume and dose delivery must be retained in memory and displayed at switch on.

TENDERER'S COMMENTS:

Clause T21

There must be fast purge mode of operation, which will allow priming of **IV** line. It must not be possible to operate the unit continuously in this mode.

TENDERER'S COMMENTS:

Clause T22

The unit being tendered for must operate from both the 220V ± 10%, 50Hz a.c. single phase power supply and also an internally mounted rechargeable battery/ies.

TENDERER'S COMMENTS:

Clause T23

The internally mounted rechargeable battery must be capable of operating the pump for a minimum of two hours in the event of 220V, 50Hz a.c. power supply failure. The changeover to battery operation in the event of a mains failure must be automatic. Tenderer must state the type of rechargeable battery employed and also its capacity.

TENDERER'S COMMENTS:

Clause T24

The charger for the internal rechargeable battery must be built internally into the unit and units that are offered with battery chargers as a separate item i.e. external to the unit, **will not** be considered.

TENDERER'S COMMENTS:

Clause T25

The unit must be provided complete with an attachment for mounting to both a drip stand and gabler rail.

TENDERER'S COMMENTS:

Clause T26

The accuracy (long term) measured over 60 min at 1ml/h and all higher rates must be better than ± 5% for the unit being tendered on.

TENDERER'S COMMENTS:

Clause T27

The accuracy (short term) at 5ml/h must be better than ± 5% of mean on 2 minutes observation window for the unit being tendered on.

TENDERER'S COMMENTS:

Clause T28

Time duration from start-up to attain 95% of "rate set" at 1ml/h and all higher rate ≤ 10 min for the unit being tendered on.

TENDERER'S COMMENTS:

Clause T29

A desirable feature must be a syringe barrel clamp alarm or equivalent for the unit being tendered on.

TENDERER'S COMMENTS:

Clause T30

A desirable feature must be a "syringe plunger disengaged" alarm or equivalent for the unit being tendered on.

TENDERER'S COMMENTS:

Clause T31

The unit must be capable of displaying total **"volume infused".** Any bolus administered by the unit during normal infusion must be added to the total **"volume infused"** and displayed.

TENDERER'S COMMENTS:

Clause T32

Preference may be given to units that have been subjected to a clinical evaluation. An evaluation report must accompany the tender offer. If the unit had not been subjected to a clinical evaluation, the tenderer should arrange for a clinical evaluation to be carried out.

TENDERER'S COMMENTS:

Clause T33

The unit must have a built in test program that could be accessed by a service technician to enable key parameters of the unit to be checked without the need to dismantle the casing.

TENDERER'S COMMENTS:

Clause T34

Tenderers must provide a statement as to the performance of the unit in the presence of electro magnetic interference such as that from an electrosurgery unit.

TENDERER'S COMMENTS:

Clause T35

The casing of the unit being tendered for must be well sealed, so as to prevent liquids from splashes gaining entry into the internal workings of the units such as **PCB's** and thus resulting in costly damage.

TENDERER'S COMMENTS:

Clause T36

Tenderer must state if the unit being tendered on is equipped with a **RS232** computer interface port and also whether it is bi-directional.

TENDERER'S COMMENTS:

Clause T37

GUARANTEE/WARRANTY

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

TENDERER'S COMMENTS:

Clause T38

MAINTENANCE AND SERVICE AGREEMENT

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

BIDDER'S COMMENTS:

SCHEDULE OF OPTIONAL ACCESSORIES

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

Cat No	Item	Price Including VAT			
		Year 1	Year 2	Year 3	Total

SCHEDULE OF ACCESSORIES

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

Cat No	Item	Price Including VAT			
		Year 1	Year 2	Year 3	Total

DETAILED TECHNICAL SPECIFICATION

GENERAL INFORMATION REQUIRED

FAILURE TO COMPLETE THIS PART WILL DISQUALIFY THE TENDERER

Make: _____

Model Number /Part Number for: _____

Country of Origin _____

Final Tender / Quotation Price inclusive of V.A.T. _____

Local (Durban) Agent _____

Delivery Period _____

R S A Import Permit Holder _____

TENDERER _____

SIGNATURE _____ DATE _____

ADDRESS _____

_____

TELEPHONE NO. _____ FAX NO. _____

CONTACT PERSON _____
(PLEASE PRINT)

DECLARATION OF BIDDER'S PAST SUPPLY CHAIN MANAGEMENT PRACTICES

1 This Standard Bidding Document must form part of all bids invited.

2 It serves as a declaration to be used by institutions in ensuring that when goods and services are being procured, all reasonable steps are taken to combat the abuse of the supply chain management system.

3 The bid of any bidder may be disregarded if that bidder, or any of its directors have-

a. abused the institution's supply chain management system;
b. committed fraud or any other improper conduct in relation to such system; or
c. failed to perform on any previous contract.

4 In order to give effect to the above, the following questionnaire must be completed and submitted with the bid.

Item	Question	Yes	No
4.1	Is the bidder or any of its directors listed on the National Treasury's database as companies or persons prohibited from doing business with the public sector? **(Companies or persons who are listed on this database were informed in writing of this restriction by the National Treasury after the *audi alteram partem* rule was applied).**	Yes ☐	No ☐
4.1.1	If so, furnish particulars:		
4.2	Is the bidder or any of its directors listed on the Register for Tender Defaulters in terms of section 29 of the Prevention and Combating of Corrupt Activities Act (No 12 of 2004)? **To access this Register enter the National Treasury's website, www.treasury.gov.za, click on the icon "Register for Tender Defaulters" or submit your written request for a hard copy of the Register to facsimile number (012) 3265445.**	Yes ☐	No ☐
4.2.1	If so, furnish particulars:		
4.3	Was the bidder or any of its directors convicted by a court of law (including a court outside of the Republic of South Africa) for fraud or corruption during the past five years?	Yes ☐	No ☐
4.3.1	If so, furnish particulars:		
4.4	Was any contract between the bidder and any organ of state terminated during the past five years on account of failure to perform on or comply with the contract?	Yes ☐	No ☐
4.4.1	If so, furnish particulars:		

CERTIFICATION

I, THE UNDERSIGNED (FULL NAME)..... CERTIFY THAT THE INFORMATION FURNISHED ON THIS DECLARATION FORM IS TRUE AND CORRECT.

I ACCEPT THAT, IN ADDITION TO CANCELLATION OF A CONTRACT, ACTION MAY BE TAKEN AGAINST ME SHOULD THIS DECLARATION PROVE TO BE FALSE.

.....	.....
Signature	**Date**
.....	.....
Position	**Name of Bidder**