
COVER LETTER

YOU ARE HEREBY INVITED TO BID FOR REQUIREMENTS OF THE WESTERN CAPE GOVERNMENT: HEALTH AND WELLNESS.

BID NUMBER: CHTRV: PT17/2026	CLOSING DATE: 17 APRIL 2026	CLOSING TIME: 11H00
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FOR THE SUPPLY AND DELIVERY OF PERFUSION AND CARDIOTHORACIC SURGERY REQUIREMENTS TO GROOTE SCHUUR HOSPITAL, TYGERBERG HOSPITAL AND RED CROSS WAR MEMORIAL CHILDREN'S HOSPITAL FOR A PERIOD OF THREE (3) YEARS (SINGLE OR MULTIPLE ITEM AWARD).

The successful bidder will be required to complete and sign a written contract form (WCBD7.1).

BID DOCUMENTS MAY BE POSTED TO: ETTIENE ROMAN, PROCUREMENT (BID OFFICE), FIRST FLOOR F46, ROOM 53, OLD MAIN BUILDING, GROOTE SCHUUR HOSPITAL, OBSERVATORY 7925

OR

DEPOSITED IN THE BID BOX SITUATED IN: THE FOYER, MAIN ENTRANCE, OLD **MAIN BUILDING, GROOTE SCHUUR HOSPITAL, OBSERVATORY 7925**

Please note the following important information and requirements:

Bidders should ensure that bids are delivered timeously to the correct address. If the bid is late, it will not be accepted for consideration. Should uncertainty exist regarding the location of the Institution's bid box, bidders are advised to refrain from soliciting the advice of the Security Personnel on duty and to rather contact **Ettiene Roman (Tel: 021 404 2345) / Shade Dirks (Tel: 021 404 2067)** for assistance. No names of bidders or prices will be read out at the time of closing. The bid box is accessible Monday to Sunday, including public holidays, from **08h00AM until 17h00PM**, 7 days a week.

All bids must be submitted on the official forms – (not to be re-typed) and only **originally signed documents** will be considered. **Failure to complete and sign the bidding documents, certificates, questionnaires and specification forms in all respects, will invalidate the bid.**

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All bids must be accompanied by a letter signed by the bidder, authorizing the Institution, in name, instead of the bidder, to confirm with third parties the accuracy of any information submitted as part of this bid.

Bidder to indicate which other currently pending bids issued by the Institution it has applied for, and which bids, if any, have been awarded to it in the past. If bidders have previously submitted offers for other bids or are at the same time bidding in relation to the supply of other goods/services, the Institution reserves the right to compare the respective bid documentation and information provided by the bidder.

This bid is subject to the General Conditions of Contract (GCC) and, if applicable, any other Special Conditions of Contract. **The 80:20 Points System shall be applicable to bids up to R50 000 000 and the 90:10 Points System to bids over R50 000 000. The lowest acceptable tender will be used to determine the preference point system.**

All Bidders must be duly registered on the Central Supplier Database (CSD) at the time of bid closing.

CENTRAL SUPPLIER DATABASE	
Self-registration	www.csd.gov.za (self-registration only)
Contact email	SCMeProcurement.DOH@westerncape.gov.za
Contact telephone	021 483 0582

In instances where a bidder's tax compliance status becomes non-compliant during evaluation and before award, the recommended bidder/s must be afforded 7 working days to confirm tax compliance in order for the bid to be considered.

Only the B-BBEE status reflected on form WCBD 6.1 in their bid document will apply to the evaluation of the relevant formal bids and not their B-BBEE status on the CSD. Bidders are further required to complete the attached form WCBD 4. All other mandatory documents held on CSD will be accepted by Western Cape Government Health (WCGH) for the consideration of formal bids."

Bidders must be duly **registered** on CSD at **closing of the award**.

**** "duly registered"** means that a supplier is registered on the CSD by means of valid mandatory registration documents, including TCC or other documentation confirming the bidder's tax compliance status at the time of the award and WCBD4. If these documents have expired, such supplier will be suspended on the WCSEB.

The following completed bid documents are the documents required in your bid and can be submitted to this office in the order as suggested:

- **Special Conditions** (if applicable)
- **WCBD 1 – The Bid. (FAILURE TO COMPLETE AND SIGN PART A & PART B FORMS WILL INVALIDATE YOUR BID.)**
- **WCBD 3.1** - Specification/your schedule of offers
- **WCBD 4** – Declaration of interest
- **WCBD 5** – National Industrial Participation Programme
- **Amended WCBD6.1** – form to claim points as BBEE contributor
- **Sworn Affidavit** – BBEE Qualifying Small Enterprise
- **Supplier's checklist**
- **BBEE Certificate (valid original or certified copy)**

Please refer all bid enquiries to the following official:

- Ettiene Roman at telephone number (021) 404-2345 or e-mail at Ettiene.Roman@westerncape.gov.za



MR. COLLIN FRANK

DEPUTY DIRECTOR: FINANCE & SCM

DATE: ____ MARCH 2026



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SPECIAL CONDITIONS OF CONTRACT

FOR THE SUPPLY AND DELIVERY OF PERFUSION AND CARDIOTHORACIC SURGERY REQUIREMENTS TO GROOTE SCHUUR HOSPITAL, TYGERBERG HOSPITAL AND RED CROSS WAR MEMORIAL CHILDREN'S HOSPITAL FOR A PERIOD OF THREE (3) YEARS (SINGLE OR MULTIPLE ITEM AWARD)

THIS BID IS DUE AT 11H00 ON **17 APRIL 2026**

VALIDITY EXPIRES ON **16 JULY 2026**

1. DELIVERY LOCATIONS

1.1 Goods **are required for delivery to the Direct Issue Store, of the three Central Hospitals**, institutions under the control of the Department of Health, Western Cape Government in such quantities as specified in the bid specification/pricing schedules.

2. DELIVERY AND DOCUMENTS (GCC Par. 10.1 and 10.2)

2.1 The successful bidder is to ensure that delivery of the offered service be supplied in accordance with the requirements as set out in this bid document.

3. PRICES (GCC Par. 17)

3.1 Bid prices shall be quoted firm, subject to Rate of Exchange.

3.2 All prices quoted must include delivery to the stores as indicated in paragraph 1 above.

3.3 **Bid prices shall be quoted nett and VAT INCLUSIVE.** Bidders providing a discount may indicate so.

4. PAYMENT

4.1 In the interest of security and expeditious payment, it is the policy of the Department to affect payments by electronic funds transfer (EFT) as far as possible. If a successful bidder is not yet a regular participant in Department's contracts and has not been registered already, the supplier will be required to furnish the Department with its banking details for the systems in operation (Logis, BAS, Syspro) in order shall be registered. Successful bidders must ensure, therefore, that their banking details are provided to institutions on request where necessary.

4.2 Payment shall be 30 days from receipt of invoice.

4.3 Payment Conditions (GCC Par. 16.1)

Payment in full will be made when the designated Hospital Official confirms in writing that the contract conditions have been complied with and that handover in good working order has been received.

4.4 Payment Currency (GCC Par. 16.4)

Payment will only be made in Rands in the Republic of South Africa.

5. **NEGOTIATIONS**

5.1 The Central Hospitals reserves the right to enter into negotiations with bidders (before the contract is concluded) and contractors (after the contract is concluded) regarding *inter alia* price revisions, increases and service delivery should it be deemed necessary.

6. **PERFORMANCE SECURITY (GCC Par. 7.1 + 7.4)**

6.1 No performance security amount is specified or required to be paid to the purchaser.

7. **INSURANCE (GCC Par. 11.1)**

7.1 The ownership of the goods and responsibility for safekeeping thereof remains the responsibility of the supplier until the equipment is handed over in good working order to the designated official in the hospital.

8. **TRANSPORTATION (GCC Par. 12.1)**

8.1 An all-inclusive delivered, to point of use price is required.

9. **WARRANTY (GCC Par. 15)**

9.1 Warranty period (GCC Par. 15.2)

- The warranty shall remain valid for 12 months after the equipment have been handed over to the designated hospital official.

10. **SETTLEMENT OF DISPUTES (GCC Par. 27)**

10.1 **Mediation Proceedings (GCC Par.27.1)**

- The mediation shall be informal. The Head: Department of Health shall have the absolute discretion to determine the procedure to be followed.

11. **APPLICABLE LAW (GCC Par. 30)**

- The contract shall be determined in accordance with South African laws.

12. **GENERAL**

12.1 Receipt of the invitation to bid does not confer any right on any party in respect of the services or in respect of, or against, Central Hospitals. The Central Hospitals reserves the right, in its sole discretion:

12.2 **To withdraw** any services from the bid process, **to terminate** any party's participation in the bid

process or **to accept or reject** any response to this invitation to bid on notice to the bidders without liability to any party; accordingly, parties have no rights, expressed or implied, with respect to any of the services as a result of their participation in the bid process,

- 12.3 **To amend** the bid process, closing date or any other date at its sole discretion,
- 12.4 **To cancel** the bid or any part of the bid before the bid has been awarded,
- 12.5 **Not to accept** the lowest or any other bid and accepting the bid which it deems shall be in the best interest of the Department,
- 12.6 **Not to award** the bid to the highest points or lowest price,
- 12.7 **To reject** all responses submitted and to embark on a new bid process.

13. **CONTACT DETAILS**

- 13.1 Please provide the particulars of the contact person responsible for all queries related to this bid, and if you are successful, this contract, and to whom all correspondence can be directed:

Name:

Designation:

Telephone no with area code: Fax no:

Cellphone no: Email address:

- 14. Enquiries may be directed to the bid administrator, Ettiene Roman at tel no (021) 404 2345; Ettiene.Roman@westerncape.gov.za

PART A

INVITATION TO BID

ZERO-TOLERANCE TO FRAUD, THEFT AND CORRUPTION (ANTI-FRAUD, THEFT AND CORRUPTION)

THE WCG IS COMMITTED TO GOVERN ETHICALLY AND TO COMPLY FULLY WITH ANTI-FRAUD, THEFT AND CORRUPTION LAWS AND TO CONTINUOUSLY CONDUCT ITSELF WITH INTEGRITY AND WITH PROPER REGARD FOR ETHICAL PRACTICES.

THE WCG HAS A ZERO TOLERANCE APPROACH TO ACTS OF FRAUD, THEFT AND CORRUPTION BY ITS OFFICIALS AND ANY SERVICE PROVIDER CONDUCTING BUSINESS WITH THE WCG.

THE WCG EXPECTS ALL ITS OFFICIALS AND ANYONE ACTING ON ITS BEHALF TO COMPLY WITH THESE PRINCIPLES TO ACT IN THE BEST INTEREST OF THE WCG AND THE PUBLIC AT ALL TIMES.

THE WCG IS COMMITTED TO PROTECTING PUBLIC REVENUE, EXPENDITURE, ASSETS AND REPUTATION FROM ANY ATTEMPT BY ANY PERSON TO GAIN FINANCIAL OR OTHER BENEFIT IN AN UNLAWFUL, DISHONEST OR UNETHICAL MANNER.

INCIDENTS AND SUSPICIOUS ACTIVITIES WILL BE THOROUGHLY INVESTIGATED AND WHERE CRIMINAL ACTIVITY IS CONFIRMED, RESPONSIBLE PARTIES WILL BE PROSECUTED TO THE FULL EXTENT OF THE LAW.

YOU ARE HEREBY INVITED TO BID FOR REQUIREMENTS OF THE DEPARTMENT OF HEALTH & WELLNESS – CENTRAL HOSPITALS

BID NUMBER:	CHTRV: PT17/2026	CLOSING DATE:	17 APRIL 2026	CLOSING TIME:	11H00
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DESCRIPTION	BID FOR THE SUPPLY AND DELIVERY OF PERFUSION AND CARDIOTHORACIC SURGERY REQUIREMENTS TO GROOTE SCHUUR HOSPITAL, TYGERBERG HOSPITAL AND RED CROSS WAR MEMORIAL CHILDREN'S HOSPITAL FOR A PERIOD OF THREE (3) YEARS (SINGLE OR MULTIPLE ITEM AWARD)
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BID RESPONSE DOCUMENTS MAY BE DEPOSITED IN THE BID BOX SITUATED AT THE FOYER, ENTRANCE 5, OLD MAIN BUILDING, GROOTE SCHUUR HOSPITAL.

BIDDING PROCEDURE ENQUIRIES MAY BE DIRECTED TO:

CONTACT PERSON	Ettiene Roman
TELEPHONE NO	021 404 2345
FACSIMILE NO	N/A
E-MAIL ADDRESS	Ettiene.Roman@westerncape.gov.za

SUPPLIER INFORMATION

NAME OF BIDDER	
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POSTAL ADDRESS					
STREET ADDRESS					
TELEPHONE NUMBER	CODE		NUMBER		
CELLPHONE NUMBER					
FACSIMILE NUMBER	CODE		NUMBER		
E-MAIL ADDRESS					
VAT REGISTRATION NUMBER					
SUPPLIER COMPLIANCE STATUS	TAX COMPLIANCE SYSTEM PIN.		AND	CENTRAL SUPPLIER DATABASE No:	MAAA
B-BBEE STATUS LEVEL VERIFICATION CERTIFICATE	[TICK APPLICABLE BOX] <input type="checkbox"/> Yes <input type="checkbox"/> No		B-BBEE STATUS LEVEL SWORN AFFIDAVIT	[TICK APPLICABLE BOX] <input type="checkbox"/> Yes <input type="checkbox"/> No	
IF YES, WAS THE CERTIFICATE ISSUED BY A VERIFICATION AGENCY ACCREDITED BY THE SOUTH AFRICAN NATIONAL ACCREDITATION SYSTEM (SANAS)		[TICK APPLICABLE BOX] <input type="checkbox"/> Yes <input type="checkbox"/> No			
[A B-BBEE STATUS LEVEL VERIFICATION CERTIFICATE/SWORN AFFIDAVIT (FOR EMEs& QSEs) MUST BE SUBMITTED TOGETHER WITH A COMPLETED 6.1 IN ORDER TO QUALIFY FOR PREFERENCE POINTS FOR B-BBEE]					
ARE YOU THE ACCREDITED REPRESENTATIVE IN SOUTH AFRICA FOR THE GOODS /SERVICES /WORKS OFFERED?	<input type="checkbox"/> Yes <input type="checkbox"/> No [IF YES ENCLOSE PROOF]		ARE YOU A FOREIGN BASED SUPPLIER FOR THE GOODS /SERVICES /WORKS OFFERED?	<input type="checkbox"/> Yes <input type="checkbox"/> No [IF YES, ANSWER PART THE QUESTIONNAIRE BELOW	
QUESTIONNAIRE TO BIDDING FOREIGN SUPPLIERS					
IS THE ENTITY A RESIDENT OF THE REPUBLIC OF SOUTH AFRICA (RSA)?				<input type="checkbox"/> YES <input type="checkbox"/> NO	
DOES THE ENTITY HAVE A BRANCH IN THE RSA?				<input type="checkbox"/> YES <input type="checkbox"/> NO	

DOES THE ENTITY HAVE A PERMANENT ESTABLISHMENT IN THE RSA? YES NO

DOES THE ENTITY HAVE ANY SOURCE OF INCOME IN THE RSA? YES NO

IS THE ENTITY LIABLE IN THE RSA FOR ANY FORM OF TAXATION? YES NO

IF THE ANSWER IS "NO" TO ALL OF THE ABOVE, THEN IT IS NOT A REQUIREMENT TO REGISTER FOR A TAX COMPLIANCE STATUS SYSTEM PIN CODE FROM THE SOUTH AFRICAN REVENUE SERVICE (SARS) AND IF NOT REGISTER AS PER 2.2 BELOW.

PART B

TERMS AND CONDITIONS FOR BIDDING

1. BID SUBMISSION:

- 1.1. BIDS MUST BE DELIVERED BY THE STIPULATED TIME TO THE CORRECT ADDRESS. LATE BIDS WILL NOT BE ACCEPTED FOR CONSIDERATION.
- 1.2. **ALL BIDS MUST BE SUBMITTED ON THE OFFICIAL FORMS PROVIDED – (NOT TO BE RE-TYPED) OR IN THE MANNER PRESCRIBED IN THE BID DOCUMENT.**
- 1.3. THIS BID IS SUBJECT TO THE PREFERENTIAL PROCUREMENT POLICY FRAMEWORK ACT, 2000 AND THE PREFERENTIAL PROCUREMENT REGULATIONS, 2022, THE GENERAL CONDITIONS OF CONTRACT (GCC) AND, IF APPLICABLE, ANY OTHER SPECIAL CONDITIONS OF CONTRACT.
- 1.4. **THE SUCCESSFUL BIDDER WILL BE REQUIRED TO FILL IN AND SIGN A WRITTEN CONTRACT FORM (WCBD7).**

2. TAX COMPLIANCE REQUIREMENTS

- 2.1 BIDDERS MUST ENSURE COMPLIANCE WITH THEIR TAX OBLIGATIONS.
- 2.2 BIDDERS ARE REQUIRED TO SUBMIT THEIR UNIQUE PERSONAL IDENTIFICATION NUMBER (PIN) ISSUED BY SARS TO ENABLE THE ORGAN OF STATE TO VIEW THE TAXPAYER'S PROFILE AND TAX STATUS.
- 2.3 APPLICATION FOR TAX COMPLIANCE STATUS (TCS) OR PIN MAY ALSO BE MADE VIA E-FILING THROUGH THE WEBSITE WWW.SARS.GOV.ZA.
- 2.4 BIDDERS MAY ALSO SUBMIT A PRINTED TCS CERTIFICATE WITH TOGETHER WITH THE BID.
- 2.5 IN BIDS WHERE CONSORTIA / JOINT VENTURES / SUB-CONTRACTORS ARE INVOLVED; EACH PARTY MUST SUBMIT A SEPARATE TCS CERTIFICATE AND CSD NUMBER AS MENTIONED IN 2.3 ABOVE.
- 2.6 WHERE NO TCS PIN IS AVAILABLE BUT THE BIDDER IS REGISTERED ON THE CENTRAL SUPPLIER DATABASE (CSD), A CSD NUMBER MUST BE PROVIDED.
- 2.7 NO BIDS WILL BE CONSIDERED FROM PERSONS IN THE SERVICE OF THE STATE, COMPANIES WITH DIRECTORS WHO ARE PERSONS IN THE SERVICE OF THE STATE, OR CLOSE CORPORATIONS WITH MEMBERS WHO ARE PERSONS IN THE SERVICE OF THE STATE."

**NB: FAILURE TO PROVIDE / OR COMPLY WITH ANY OF THE ABOVE PARTICULARS MAY RENDER THE BID
INVALID.**

SIGNATURE OF BIDDER:

CAPACITY UNDER WHICH THIS BID IS SIGNED:

(Proof of authority must be submitted e.g. company resolution)

DATE:

SPECIFICATION FOR

BID: CHTRV: PT17/2026 OPEN BID FOR THE SUPPLY AND DELIVERY OF PERFUSION AND CARDIOTHORACIC SURGERY REQUIREMENTS TO GROOTE SCHUUR HOSPITAL, TYGERBERG HOSPITAL AND RED CROSS WAR MEMORIAL CHILDREN'S HOSPITAL FOR A PERIOD OF THREE (3) YEARS (SINGLE OR MULTIPLE ITEM AWARD)

NOTE: BIDDERS MUST SPECIFY THE DETAILS OF THEIR OFFERS IN THE COLUMN ON THE RIGHT. IN RESPECT OF PARAGRAPH WHERE THE BIDDERS STRICTLY COMPLIES WITH THE SPECIFICATION REQUIREMENT, THE WORD "COMPLY" MUST BE INSERTED NEXT TO THE PARAGRAPH.

SECTION 1		
1.	PERFUSION AND CARDIOTHORACIC SURGERY REQUIREMENTS	FULL TECHNICAL AND OTHER DETAILS OF OFFER BIDDERS RESPONSE COMPLY OR DO NOT COMPLY A tick (✓) is not acceptable
1.1	<p>This specification establishes the requirements for the:</p> <p>THE SUPPLY AND DELIVERY OF PERFUSION AND CARDIOTHORACIC SURGERY REQUIREMENTS TO GROOTE SCHUUR HOSPITAL, TYGERBERG HOSPITAL AND RED CROSS WAR MEMORIAL CHILDREN'S HOSPITAL FOR A PERIOD OF THREE (3) YEARS.</p>	
1.2	<p>The Bidder shall clearly indicate if their offered products comply with the stated requirements, by indicating, "Comply" or "Does not comply".</p> <p>next to the corresponding clauses.</p> <p>Note: A tick (✓) or the term non applicable (n/a) is not sufficient.</p> <p>The bidder must state comply/ do not comply.</p>	
1.3	<p>The consumables offered shall comply with or exceed all the minimum performance specifications as indicated below, supported by factory-supplied product specification / brochures.</p>	
1.4	<p>Descriptive literature, pamphlets, brochures, technical & material data sheets and all evidence of the required quality standards certification applicable to the offer shall accompany the bid offer, failing which the offer shall not be considered.</p>	
1.5	<p>SINGLE VS MULTIPLE AWARD</p> <p>The Department reserves the right to award items in this bid as single or multiple awards.</p>	

SECTION 2		
2.	APPLICABLE DOCUMENTATION	FULL TECHNICAL AND OTHER DETAILS OF OFFER BIDDERS RESPONSE COMPLY OR DO NOT COMPLY A tick (✓) is not acceptable
2.1	The following documentation will form part of the specification, and the successful Bidder must guarantee that it will comply with the standards as set in the present and future relevant legislation including but not limited to the following:	
2.2	General Conditions of Contract (GCC)	
2.3	Hazardous Substances Act No 15 of 1973. (If applicable)	
2.4	SAHPRA (SOUTH AFRICAN HEALTH PRODUCTS REGULATORY AUTHORITY) REGISTRATION: Valid certified copy of SAHPRA certificate as a manufacturer, distributor, or wholesaler of medical devices and IVD's must be included in your bid offer. A Valid Medicines Control Council certificate may also be considered. Failure to complete and submit the above documents will invalidate your bid. The contact number of SAHPRA is 012 395 9473 (Andrea Julsing) and e-mail address is: andrea.julsing@sahpra.org.za. Should you need to download application forms, please visit https://www.sahpra.org.za . Proof of application for registration will NOT be accepted, only a VALID SAHPRA or MCC certificate may be accepted.	
2.5	Any other documents that may be required to fulfil national regulations to comply with all Health and Safety standards as promulgated.	
SECTION 3		
3.	REQUIREMENTS	FULL TECHNICAL AND OTHER DETAILS OF OFFER BIDDERS RESPONSE COMPLY OR DO NOT COMPLY A tick (✓) is not acceptable
3.1	The offered consumables shall be fully functional, which shall include all the aspects as identified in the clauses below:	

3.1.1	The Bidder shall clearly state any parameter values or additional information as requested in the relevant clause.	
3.1.2	The Bidder shall provide a clear pricing schedule, with a price breakdown per item, per year and a total price (including vat).	
3.1.3	The Bidder shall clearly indicate if their offered product exceeds the stated requirement by noting with proof: " Above specification " next to the corresponding clause.	
3.1.4	All responses shall be clear and legible.	
3.1.5	All prices are to include VAT and are to be firm prices in Rand. The Bidder shall state the period for which the firm price is valid.	
3.1.6	The Bidder shall adhere to all Special conditions.	
3.1.7	Any exclusions must be listed and priced on a separate pricing schedule	
3.1.8	Any requested options and optional extras shall be clearly defined, and a separate pricing schedule shall be provided by the Bidder;	
3.1.9	Each offer shall be accompanied by a completed specifications document. Failure to comply with this instruction shall lead to the disqualification of the offer.	
SECTION 4: ITEM SPECIFICATIONS		
4.	SPECIFICATIONS	<p><u>FULL TECHNICAL AND OTHER DETAILS OF OFFER</u></p> <p><u>BIDDERS RESPONSE</u></p> <p>COMPLY OR DO NOT COMPLY A tick (✓) is not acceptable</p>
4.1	<p>Adult Oxygenator</p> <ul style="list-style-type: none"> - hard-shell venous reservoir with heater cooler compartment and membrane oxygenator all included - flow compatibility from 0 - 6 or 7 or 8 L /min - biocompatible coating (specify) - VAVD – compatible - lower oxygenator priming volume in comparison to others available - manufacturer-determined trans-membrane pressure drop of ≤130mmHg at 50% of the maximum rated flow 	

	<ul style="list-style-type: none"> - microporous / Hollow-fiber design - arterial outlet in full view when oxygenator is in situ in holder 																					
4.1.1	Integrated arterial filter (40um) design																					
4.1.2	Non-integrated arterial filter design																					
	<table border="1"> <thead> <tr> <th>1.1 Adult Oxygenator</th> <th>YEAR 1</th> <th>YEAR 2</th> <th>YEAR 3</th> </tr> </thead> <tbody> <tr> <td>Integrated arterial filter (40um) design</td> <td></td> <td></td> <td></td> </tr> <tr> <td>GSH</td> <td>300</td> <td>300</td> <td>300</td> </tr> <tr> <td>TBH</td> <td>360</td> <td>360</td> <td>360</td> </tr> <tr> <td>RXH</td> <td>2</td> <td>0</td> <td>2</td> </tr> </tbody> </table>	1.1 Adult Oxygenator	YEAR 1	YEAR 2	YEAR 3	Integrated arterial filter (40um) design				GSH	300	300	300	TBH	360	360	360	RXH	2	0	2	
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4.2	<p>Blood Cardioplegia system: As per GSH, RCWMCH AND TBH requirements:</p> <p>2.1 GSH / RCWMCH 4:1 non-customized blood cardioplegia system:</p> <ul style="list-style-type: none"> - universal design system intended for 4:1 blood to crystalloid ratio with 1/4" tubing - stainless steel heat exchanger - temperature-monitoring site at blood outlet - filter to capture micro-emboli before blood exits blood outlet - pressure-relief valve to prevent over-pressurization - bio-coated (specify) - low prime volume compared to others available <p>2.2 GSH / RCWMCH 4:1 Customized blood cardioplegia system:</p> <ul style="list-style-type: none"> - stainless steel heat exchanger - temperature-monitoring site at blood outlet - filter to capture micro-emboli before blood exits blood outlet - pressure-relief valve to prevent over-pressurization - bio-coated (specify) 																					

	- low prime volume compared to others available - see diagram 1 of Appendix C																	
	2.3 GSH HTK-Blood cardioplegia System - see diagram 1 of Appendix A																	
	2.4 TBH Adult blood cardioplegia system - see diagram 1 of Appendix B																	
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TBH	0	0	0															
RXH	250	250	300															
	<table border="1"> <thead> <tr> <th>2.3 Blood Cardioplegia system</th> <th>YEAR 1</th> <th>YEAR 2</th> <th>YEAR 3</th> </tr> </thead> <tbody> <tr> <td>GSH</td> <td>100</td> <td>100</td> <td>100</td> </tr> <tr> <td>TBH</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>RXH</td> <td>0</td> <td>0</td> <td>0</td> </tr> </tbody> </table>	2.3 Blood Cardioplegia system	YEAR 1	YEAR 2	YEAR 3	GSH	100	100	100	TBH	0	0	0	RXH	0	0	0	
2.3 Blood Cardioplegia system	YEAR 1	YEAR 2	YEAR 3															
GSH	100	100	100															
TBH	0	0	0															
RXH	0	0	0															
	<table border="1"> <thead> <tr> <th>2.4 Blood Cardioplegia system</th> <th>YEAR 1</th> <th>YEAR 2</th> <th>YEAR 3</th> </tr> </thead> <tbody> <tr> <td>GSH</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>TBH</td> <td>400</td> <td>400</td> <td>400</td> </tr> <tr> <td>RXH</td> <td>0</td> <td>0</td> <td>0</td> </tr> </tbody> </table>	2.4 Blood Cardioplegia system	YEAR 1	YEAR 2	YEAR 3	GSH	0	0	0	TBH	400	400	400	RXH	0	0	0	
2.4 Blood Cardioplegia system	YEAR 1	YEAR 2	YEAR 3															
GSH	0	0	0															
TBH	400	400	400															
RXH	0	0	0															
4.3	Adult Hemoconcentrator pack:																	
	3.1 Custom made as per GSH requirements: - see diagram 2 of Appendix A - biocompatible (specify)																	
	3.2 Custom made as per TBH requirements: - see diagram 2 of Appendix B																	

		YEAR 1	YEAR 2	YEAR 3
3.1 Adult Hemoconcentrat or pack				
GSH		350	350	350
TBH		0	0	0
RXH		0	0	0
3.2 Adult Hemoconcentrat or pack				
GSH		0	0	0
TBH		150	150	150
RXH		0	0	0
4.4	Adult AV Loop: Custom made as per GSH and TBH requirements:			
	4.1 GSH Adult 3/8-inch AV Loop: - biocompatible (specify) - custom made as per GSH requirements: - see diagram 3 under Appendix A			
	4.2 GSH Adult 1/2-3/8-inch AV Loop: - biocompatible (specify) - custom made as per GSH requirements: - see diagram 4 under Appendix A			
	4.3 TBH Adult 3/8-inch AV Loop: - custom made as per TBH requirements: - see diagram 3 under Appendix B			

	4.1 Adult AV Loop	YEAR 1	YEAR 2	YEAR 3	
	GSH	60	60	60	
	TBH	0	0	0	
	RXH	0	0	0	
	4.2 Adult AV Loop	YEAR 1	YEAR 2	YEAR 3	
	GSH	5	5	5	
	TBH	0	0	0	
	RXH	0	0	0	
	4.3 Adult AV Loop	YEAR 1	YEAR 2	YEAR 3	
	GSH	0	0	0	
	TBH	250	250	250	
	RXH	0	0	0	
4.5	Heart transplant / Gravity cardioplegia line: Custom made as per GSH-RCWMCH requirements: - see diagram 5 under Appendix A				
	5. Heart transplant/Gravity CPS	YEAR 1	YEAR 2	YEAR 3	
	GSH	50	30	30	
	TBH	0	0	0	
	RXH	0	0	0	
4.6	Centrifugal (VAD) pack: Custom made as per GSH requirements: - see diagram 6 under Appendix A - biocompatible coating (state coating) - heparin coating (state coating)				
	6. Centrifugal (VAD) pack	YEAR 1	YEAR 2	YEAR 3	
	GSH	20	15	10	
	TBH	0	0	0	
	RXH	0	0	0	

4.7	Adult Custom Tubing packs:			
	Custom made as per GSH and TBH requirements			
	7.1 GSH Adult tubing pack with arterial filter			
	- see diagram 7 under Appendix A			
	7.2 GSH Adult tubing pack without arterial filter			
	- see diagram 8 under Appendix A			
	7.3 TBH Adult tubing pack without Arterial Filter			
	- see diagram 4 under Appendix B			
	7.4 TBH Adult tubing pack with Arterial Filter			
	- see diagram 5 under Appendix B			
	7.1 Adult Custom Tubing Packs	YEAR 1	YEAR 2	YEAR 3
	GSH	100	100	100
	TBH	0	0	0
	RXH	0	0	0
	7.2 Adult Custom Tubing Packs	YEAR 1	YEAR 2	YEAR 3
	GSH	300	300	300
	TBH	0	0	0
	RXH	0	0	0
	7.3 Adult Custom Tubing Packs	YEAR 1	YEAR 2	YEAR 3
	GSH	0	0	0
	TBH	360	360	360
	RXH	0	0	0
	7.4 Adult Custom Tubing Packs	YEAR 1	YEAR 2	YEAR 3
	GSH	0	0	0
	TBH	40	40	40
	RXH	0	0	0

4.8	Perfadex Administration Set: Custom made as per GSH requirements: - see diagram 9 under Appendix A <table border="1"> <thead> <tr> <th>Perfadex Administration Set</th> <th>YEAR 1</th> <th>YEAR 2</th> <th>YEAR 3</th> </tr> </thead> <tbody> <tr> <td>GSH</td> <td>25</td> <td>20</td> <td>20</td> </tr> <tr> <td>TBH</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>RXH</td> <td>0</td> <td>0</td> <td>0</td> </tr> </tbody> </table>	Perfadex Administration Set	YEAR 1	YEAR 2	YEAR 3	GSH	25	20	20	TBH	0	0	0	RXH	0	0	0	
Perfadex Administration Set	YEAR 1	YEAR 2	YEAR 3															
GSH	25	20	20															
TBH	0	0	0															
RXH	0	0	0															
4.9	Basic femoral cannulation dissection kit: Custom made as per GSH requirements: - see diagram 10 under Appendix A <table border="1"> <thead> <tr> <th>Basic femoral cannulation dissection kit</th> <th>YEAR 1</th> <th>YEAR 2</th> <th>YEAR 3</th> </tr> </thead> <tbody> <tr> <td>GSH</td> <td>10</td> <td>10</td> <td>10</td> </tr> <tr> <td>TBH</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>RXH</td> <td>0</td> <td>0</td> <td>0</td> </tr> </tbody> </table>	Basic femoral cannulation dissection kit	YEAR 1	YEAR 2	YEAR 3	GSH	10	10	10	TBH	0	0	0	RXH	0	0	0	
Basic femoral cannulation dissection kit	YEAR 1	YEAR 2	YEAR 3															
GSH	10	10	10															
TBH	0	0	0															
RXH	0	0	0															
4.10	Vent Catheter: - ¼" connection on the end - PVC / silicone - Weighted, perforated soft tip - Approx. 30.5cm length																	
4.10.1	13 Fr																	
	<table border="1"> <thead> <tr> <th>10.1 Vent Catheter</th> <th>YEAR 1</th> <th>YEAR 2</th> <th>YEAR 3</th> </tr> </thead> <tbody> <tr> <td>GSH</td> <td>300</td> <td>300</td> <td>300</td> </tr> <tr> <td>TBH</td> <td>100</td> <td>100</td> <td>100</td> </tr> <tr> <td>RXH</td> <td>200</td> <td>150</td> <td>250</td> </tr> </tbody> </table>	10.1 Vent Catheter	YEAR 1	YEAR 2	YEAR 3	GSH	300	300	300	TBH	100	100	100	RXH	200	150	250	
10.1 Vent Catheter	YEAR 1	YEAR 2	YEAR 3															
GSH	300	300	300															
TBH	100	100	100															
RXH	200	150	250															
4.10.2	16 Fr																	
	<table border="1"> <thead> <tr> <th>10.2 Vent Catheter</th> <th>YEAR 1</th> <th>YEAR 2</th> <th>YEAR 3</th> </tr> </thead> <tbody> <tr> <td>GSH</td> <td>60</td> <td>60</td> <td>60</td> </tr> <tr> <td>TBH</td> <td>400</td> <td>400</td> <td>400</td> </tr> <tr> <td>RXH</td> <td>100</td> <td>80</td> <td>120</td> </tr> </tbody> </table>	10.2 Vent Catheter	YEAR 1	YEAR 2	YEAR 3	GSH	60	60	60	TBH	400	400	400	RXH	100	80	120	
10.2 Vent Catheter	YEAR 1	YEAR 2	YEAR 3															
GSH	60	60	60															
TBH	400	400	400															
RXH	100	80	120															

4.10.3	18Fr				
	10.3 Vent Catheter	YEAR 1	YEAR 2	YEAR 3	
	GSH	60	60	60	
	TBH	100	100	100	
	RXH	0	0	0	
4.10.4	20 Fr				
	10.4 Vent Catheter	YEAR 1	YEAR 2	YEAR 3	
	GSH	350	360	350	
	TBH	200	200	200	
	RXH	5	0	5	
4.11	<p>Blowermister / Misterblower:</p> <ul style="list-style-type: none"> - on/off control in handpiece - easy-to-hold design with malleable shaft - specialized nozzle, utilizing a micro-orifice for fluid delivery - separate orifice for gas delivery - fluid line and gas filter line included - connecting tube length +/- 120 inches (308cm) 				
	11. Blowermister /Misterblower	YEAR 1	YEAR 2	YEAR 3	
	GSH	20	20	20	
	TBH	0	0	0	
	RXH	0	0	0	
4.12	<p>Metal-Tip Top Sucker / Cardiac Sump:</p> <ul style="list-style-type: none"> - fluted tip encased in stainless steel spring - weighted tip - soft flexible tubing terminating in a ¼ inch connector - 20Fr - +/- 38cm length 				
	12. Metal-Tip Top Sucker / Cardiac Sump	YEAR 1	YEAR 2	YEAR 3	
	GSH	300	300	300	

	TBH	400	400	400
	RXH	50	50	50
4.13	Soft-Tip Cardiac Sump / Top Sucker: - perforated soft tip - ¼" slip connector - 20 Fr - +/- 30.5cm length			
	13. Soft-Tip Cardiac Sump/Top Sucker	YEAR 1	YEAR 2	YEAR 3
	GSH	350	350	350
	TBH	400	400	400
	RXH	100	50	100
4.14	Rigid Suction Sucker / Cardiac Sump Sucker: - rigid stainless-steel shaft tip - fluted pool tip			
4.14.1	Macro (15.2cm; 20Fr)			
	Rigid Suction Sucker / Cardiac Sump Sucker:	YEAR 1	YEAR 2	YEAR 3
	GSH	60	60	60
	TBH	400	400	400
	RXH	0	0	0
4.14.2	Mini (12.1cm; 9Fr)			
	Rigid Suction Sucker / Cardiac Sump Sucker:	YEAR 1	YEAR 2	YEAR 3
	GSH	0	0	0
	TBH	60	60	60
	RXH	0	0	0
4.15	Vessel cannula for saphenous vein harvesting: - clear, radiopaque body - terminates with a female luer - 3mm blunt tip			

	- +/- 6.5cm length - sterile, single-packed			
4.15.1	with a one-way valve			
	Vessel cannula (saphenous vein)	YEAR 1	YEAR 2	YEAR 3
	GSH	300	300	300
	TBH	0	0	0
	RXH	0	0	0
4.15.2	without a one-way valve			
	Vessel cannula (saphenous vein)	YEAR 1	YEAR 2	YEAR 3
	GSH	0	0	0
	TBH	350	350	350
	RXH	0	0	0
4.16	Perfusion adapter: - ¼ inch barbed connector on one end - male luer on the other end - +/- 5.1cm length - sterile, single-packed			
	16. Perfusion adapter	YEAR 1	YEAR 2	YEAR 3
	GSH	100	100	100
	TBH	150	150	150
	RXH	350	350	400
4.17	Coronary Y Adapter / Cardioplegia Adapter:			
4.17.1	Type 1: 3.5 in (8.9 cm) and 10 in (25.4 cm) legs female luer on the single leg. A rigid "Y" has two legs with white clamps and terminate with male luers			
	17.1 Coronary Y Adapter / Cardioplegia Adapter:	YEAR 1	YEAR 2	YEAR 3
	GSH	200	200	200
	TBH	400	400	400
	RXH	350	350	400

4.17.2	<p>Type 2: 1 male luer, 1 female luer and the third end has a 1/4" connection Red and blue coloured clips on legs with luers:</p> <table border="1"> <thead> <tr> <th>17. 2 Coronary Y Adapter / Cardioplegia Adapter:</th> <th>YEAR 1</th> <th>YEAR 2</th> <th>YEAR 3</th> </tr> </thead> <tbody> <tr> <td>GSH</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>TBH</td> <td>400</td> <td>400</td> <td>400</td> </tr> <tr> <td>RXH</td> <td>0</td> <td>0</td> <td>0</td> </tr> </tbody> </table>	17. 2 Coronary Y Adapter / Cardioplegia Adapter:	YEAR 1	YEAR 2	YEAR 3	GSH	0	0	0	TBH	400	400	400	RXH	0	0	0	
17. 2 Coronary Y Adapter / Cardioplegia Adapter:	YEAR 1	YEAR 2	YEAR 3															
GSH	0	0	0															
TBH	400	400	400															
RXH	0	0	0															
4.18	<p>Multiple Coronary Perfusion Adapter / Multiple Cardioplegia Adapter:</p> <ul style="list-style-type: none"> - allows for simultaneous perfusion of the aortic root and up to three vein grafts - 38.1 cm Overall length - white clamp on single inlet leg - female luer on single inlet leg with 4 legs - 3 free flow vessel cannulae (Must be model with: 2-inch vessel cannula, 3mm blunt tip - clear, radiopaque body with NO one-way valve terminates with a female luer (+/- 6.5cm length) one 7.6 cm leg with blue clamp three 25.4 cm legs with red clamp <table border="1"> <thead> <tr> <th>18. Multiple Coronary Perfusion Adaptor (medusa/Katpot)</th> <th>YEAR 1</th> <th>YEAR 2</th> <th>YEAR 3</th> </tr> </thead> <tbody> <tr> <td>GSH</td> <td>200</td> <td>200</td> <td>200</td> </tr> <tr> <td>TBH</td> <td>20</td> <td>20</td> <td>20</td> </tr> <tr> <td>RXH</td> <td>0</td> <td>0</td> <td>0</td> </tr> </tbody> </table>	18. Multiple Coronary Perfusion Adaptor (medusa/Katpot)	YEAR 1	YEAR 2	YEAR 3	GSH	200	200	200	TBH	20	20	20	RXH	0	0	0	
18. Multiple Coronary Perfusion Adaptor (medusa/Katpot)	YEAR 1	YEAR 2	YEAR 3															
GSH	200	200	200															
TBH	20	20	20															
RXH	0	0	0															
4.19	Coronary Ostial Perfusion Tips:																	
4.19.1	<p>Basket Tips:</p> <ul style="list-style-type: none"> - flanged, radiopaque basket tip attached to stainless steel shaft - terminates in female luer - 15.2 cm length 																	
4.19.1.1	10 Fr (3.3mm)																	

	Coronary Ostial Perfusion Tips	YEAR 1	YEAR 2	YEAR 3	
	Basket Tips				
	19.1.1				
	10 FR (3.3mm)				
	GSH	200	200	200	
	TBH	100	100	100	
	RXH	20	0	20	
4.19.1.2	12 Fr (4.0mm)				
	Coronary Ostial Perfusion Tips				
	Basket Tips				
	19.1.2				
	12 Fr (4.0mm)				
	GSH	200	200	200	
	TBH	100	100	100	
	RXH	20	0	20	
4.19.1.3	14Fr (4.7mm)				
	Coronary Ostial Perfusion Tips				
	Basket Tips				
	19.1.3				
	14Fr (4.7mm)				
	GSH	0	0	0	
	TBH	100	100	100	
	RXH	0	0	0	
4.19.2	Soft Balloon Tips:				
	- soft balloon tip attached to a flexible shaft				
4.19.2.1	size 4.0mm				
	Soft Balloon Tips				
	19.2.1				
	Size 4.0mm				
	GSH	100	100	100	
	TBH	50	50	50	
	RXH	60	20	60	
4.19.2.2	size 6.0mm				

	Soft Balloon Tips	YEAR 1	YEAR 2	YEAR 3
	19.2.2 Size 6.0mm			
	GSH	100	100	100
	TBH	50	50	50
	RXH	60	20	60
4.19.3	Soft Tip (Silicon) Coronary Artery Ostial Perfusion Cannula: - +/- 25.4cm length - silicon body with soft bulb-shaped tip terminates in female luer			
4.19.3.1	17Fr (5.6mm)			
	Soft tip coronary artery ostial perfusion cannula	YEAR 1	YEAR 2	YEAR 3
	19.3.1 17Fr (5.6mm)			
	GSH	60	60	60
	TBH	100	100	100
	RXH	20	0	20
4.19.3.2	20Fr (6.7mm)			
	Soft tip coronary artery ostial perfusion cannula	YEAR 1	YEAR 2	YEAR 3
	19.3.2 20Fr (6.7mm)			
	GSH	60	60	60
	TBH	100	100	100
	RXH	20	0	20
4.20	Aortic Root Needle / Cardioplegia cannula:			
4.20.1	Aortic Root Needle With both Vent and Stainless-steel flow-guard standard introducer: - aortic root needle cannula including vent line, standard tip with stainless steel flow-guard introducer and protective cap over needle - radiopaque tip attached to clear PVC body - 14cm length - 12 Ga, 9Fr			
	20.1 Aortic Root Needle/CPS cannula	YEAR 1	YEAR 2	YEAR 3

	GSH	400	400	400	
	TBH	400	400	400	
	RXH	20	0	0	
4.20.2	Aortic Root Needle With Vent and Without Stainless steel flow-guard standard introducer:				
	<ul style="list-style-type: none"> - aortic root needle cannula including vent line - standard tip excluding stainless steel flow-guard introducer - radiopaque tip attached to clear PVC body - 14cm length - 12 Ga, 9Fr 				
	20.2 Aortic Root Needle/CPS cannula	YEAR 1	YEAR 2	YEAR 3	
	GSH	200	200	200	
	TBH	200	200	200	
	RXH	0	0	0	
4.20.3	Aortic Root Needle Without both Vent and Stainless-steel flow-guard standard introducer:				
	<ul style="list-style-type: none"> - aortic root needle cannula excluding vent line - standard tip excluding stainless steel flow-guard introducer - radiopaque tip attached to clear PVC body - 14cm length - 12 Ga, 9Fr 				
	20.3 Aortic Root Needle/CPS cannula	YEAR 1	YEAR 2	YEAR 3	
	GSH	20	20	20	
	TBH	200	200	200	
	RXH	0	0	0	
4.21	CO2 / Gas Line:				
	<ul style="list-style-type: none"> - 0.2um gas-line filter placed +/- 15 cm down a 115cm line - sterile, single-packed 				

	21. CO2 / Gas Line:	YEAR 1	YEAR 2	YEAR 3
	GSH	350	350	350
	TBH	200	200	200
	RXH	150	50	100
4.22	Male-male connector: - connection with male luers on each end - no tubing between the luers - sterile, single-packed			
	22. Male-male connector	YEAR 1	YEAR 2	YEAR 3
	GSH	150	150	150
	TBH	200	200	200
	RXH	80	0	100
4.23	Air vent needle: 18 Ga (1.2mm OD) needle of 3cm length with piece of tubing with clamp and hydrophobic filter - suitable for venting rigid containers - sterile, single-packed			
	23. Air vent needle 18Ga	YEAR 1	YEAR 2	YEAR 3
	GSH	400	400	400
	TBH	200	200	200
	RXH	0	0	0
4.24	Pressure monitoring line: - minimum 240cm length - 3mm internal diameter - male luer at one end and female luer the other - sterile, single-packed			
	24. Pressure monitoring line 240cm	YEAR 1	YEAR 2	YEAR 3
	GSH	600	600	600
	TBH	200	200	200
	RXH	180	60	200

4.25	Purge line: <ul style="list-style-type: none"> - one-way valve +/- 10cm down a 75cm line - internal diameter ≤6mm - both ends terminating in male luers - each male luer pre-connected to the straight female luer of a standard 3-way tap - sterile, single-packed 																	
	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 25%;">25. Purge line (one way valve, 75cm)</th> <th style="width: 25%;">YEAR 1</th> <th style="width: 25%;">YEAR 2</th> <th style="width: 25%;">YEAR 3</th> </tr> </thead> <tbody> <tr> <td>GSH</td> <td>20</td> <td>20</td> <td>20</td> </tr> <tr> <td>TBH</td> <td>200</td> <td>200</td> <td>200</td> </tr> <tr> <td>RXH</td> <td>20</td> <td>0</td> <td>20</td> </tr> </tbody> </table>	25. Purge line (one way valve, 75cm)	YEAR 1	YEAR 2	YEAR 3	GSH	20	20	20	TBH	200	200	200	RXH	20	0	20	
25. Purge line (one way valve, 75cm)	YEAR 1	YEAR 2	YEAR 3															
GSH	20	20	20															
TBH	200	200	200															
RXH	20	0	20															
4.26	Transducer Protector: <ul style="list-style-type: none"> - pressure dome with internal membrane keeping blood separate from a transducer when reading - has a narrow male tip from the dome which is inserted into a 3-way tap for pressure measurement - has a narrow piece of tubing-line leading from the opposite side dome (to above) which is pre-connected to a 3-way tap for flushing - sterile, single-packed - see diagram 11 in Appendix A 																	
	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 25%;">26. Transducer Protector</th> <th style="width: 25%;">YEAR 1</th> <th style="width: 25%;">YEAR 2</th> <th style="width: 25%;">YEAR 3</th> </tr> </thead> <tbody> <tr> <td>GSH</td> <td>60</td> <td>60</td> <td>60</td> </tr> <tr> <td>TBH</td> <td>200</td> <td>200</td> <td>200</td> </tr> <tr> <td>RXH</td> <td>20</td> <td>0</td> <td>20</td> </tr> </tbody> </table>	26. Transducer Protector	YEAR 1	YEAR 2	YEAR 3	GSH	60	60	60	TBH	200	200	200	RXH	20	0	20	
26. Transducer Protector	YEAR 1	YEAR 2	YEAR 3															
GSH	60	60	60															
TBH	200	200	200															
RXH	20	0	20															
4.27	Guide Wire (for cannula insertion):																	
4.27.1	0.35 inch; 260cm; 3mm; J-tip; Single-packed, sterile <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 25%;">27.1 Guide Wire (cannula insertion)</th> <th style="width: 25%;">YEAR 1</th> <th style="width: 25%;">YEAR 2</th> <th style="width: 25%;">YEAR 3</th> </tr> </thead> <tbody> <tr> <td>GSH</td> <td>150</td> <td>50</td> <td>100</td> </tr> <tr> <td>TBH</td> <td>20</td> <td>20</td> <td>20</td> </tr> <tr> <td>RXH</td> <td>0</td> <td>0</td> <td>0</td> </tr> </tbody> </table>	27.1 Guide Wire (cannula insertion)	YEAR 1	YEAR 2	YEAR 3	GSH	150	50	100	TBH	20	20	20	RXH	0	0	0	
27.1 Guide Wire (cannula insertion)	YEAR 1	YEAR 2	YEAR 3															
GSH	150	50	100															
TBH	20	20	20															
RXH	0	0	0															
4.27.2	0.35 inch; 180cm; 3mm; J-tip; Single-packed, sterile <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 25%;">27.2 Guide Wire (for cannula insertion):</th> <th style="width: 25%;">YEAR 1</th> <th style="width: 25%;">YEAR 2</th> <th style="width: 25%;">YEAR 3</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	27.2 Guide Wire (for cannula insertion):	YEAR 1	YEAR 2	YEAR 3													
27.2 Guide Wire (for cannula insertion):	YEAR 1	YEAR 2	YEAR 3															

		GSH	100	0	50																
		TBH	20	20	20																
		RXH	0	0	0																
4.28	<p>Pulmonary artery vent:</p> <ul style="list-style-type: none"> - soft, pliable tip - terminates with a female luer - Introducer needle included - 16Fr - approx.15.2cm length - single packed, sterile 	<table border="1"> <thead> <tr> <th>28. Pulmonary artery vent (16Fr)</th> <th>YEAR 1</th> <th>YEAR 2</th> <th>YEAR 3</th> </tr> </thead> <tbody> <tr> <td>GSH</td> <td>20</td> <td>20</td> <td>20</td> </tr> <tr> <td>TBH</td> <td>200</td> <td>200</td> <td>200</td> </tr> <tr> <td>RXH</td> <td>0</td> <td>0</td> <td>0</td> </tr> </tbody> </table>				28. Pulmonary artery vent (16Fr)	YEAR 1	YEAR 2	YEAR 3	GSH	20	20	20	TBH	200	200	200	RXH	0	0	0
28. Pulmonary artery vent (16Fr)	YEAR 1	YEAR 2	YEAR 3																		
GSH	20	20	20																		
TBH	200	200	200																		
RXH	0	0	0																		
4.29	<p>Vent connections (VRV vent: Triple Action Valve):</p> <ul style="list-style-type: none"> - triple action vent valve, with ¼" connections at each end - single-packed; sterile 	<table border="1"> <thead> <tr> <th>29. Vent connections (VRV vent: Triple action valve)</th> <th>YEAR 1</th> <th>YEAR 2</th> <th>YEAR 3</th> </tr> </thead> <tbody> <tr> <td>GSH</td> <td>20</td> <td>20</td> <td>20</td> </tr> <tr> <td>TBH</td> <td>100</td> <td>100</td> <td>100</td> </tr> <tr> <td>RXH</td> <td>40</td> <td>0</td> <td>40</td> </tr> </tbody> </table>				29. Vent connections (VRV vent: Triple action valve)	YEAR 1	YEAR 2	YEAR 3	GSH	20	20	20	TBH	100	100	100	RXH	40	0	40
29. Vent connections (VRV vent: Triple action valve)	YEAR 1	YEAR 2	YEAR 3																		
GSH	20	20	20																		
TBH	100	100	100																		
RXH	40	0	40																		
4.30	<p>External Fluid protection Filter with shut-off valve for Clinical Devices:</p> <p>Surgical / Suction / Aspiration Machines. (Vacuum guard):</p> <ul style="list-style-type: none"> - plastic housing chamber with fluid filter inside - translucent housing allowing for fluid visualization - includes a 0.3-micron bacterial eliminating filter effective in removing 99.9% of pseudomonas - includes a ¼ in. (0.64 cm) Male x Female elbow for setting adaptability - Non-Sterile, Disposable, Single-use <p>Function: prevents back flow of aerosols and fluids into the vacuum system of devices / consumables which do not contain an</p>																				

	integrated shut-off valve. - see diagram 12 in Appendix A <table border="1"> <thead> <tr> <th>30. External Fluid protection Filter with shut-off valve for Clinical Devices:</th> <th>YEAR 1</th> <th>YEAR 2</th> <th>YEAR 3</th> </tr> </thead> <tbody> <tr> <td>GSH</td> <td>100</td> <td>50</td> <td>50</td> </tr> <tr> <td>TBH</td> <td>50</td> <td>50</td> <td>50</td> </tr> <tr> <td>RXH</td> <td>100</td> <td>0</td> <td>0</td> </tr> </tbody> </table>	30. External Fluid protection Filter with shut-off valve for Clinical Devices:	YEAR 1	YEAR 2	YEAR 3	GSH	100	50	50	TBH	50	50	50	RXH	100	0	0	
30. External Fluid protection Filter with shut-off valve for Clinical Devices:	YEAR 1	YEAR 2	YEAR 3															
GSH	100	50	50															
TBH	50	50	50															
RXH	100	0	0															
4.31	Long aortic root needle / Cardioplegia needle (without vent): - aortic root cannula excluding vent line - radiopaque tip attached to clear PVC body - +/- 40cm length - standard tip with Stainless steel flow-guard introducer with protective cap over needle - 12 Ga, 9Fr <table border="1"> <thead> <tr> <th>31. Long aortic root needle/CPS needle (without vent)</th> <th>YEAR 1</th> <th>YEAR 2</th> <th>YEAR 3</th> </tr> </thead> <tbody> <tr> <td>GSH</td> <td>40</td> <td>40</td> <td>40</td> </tr> <tr> <td>TBH</td> <td>400</td> <td>400</td> <td>400</td> </tr> <tr> <td>RXH</td> <td>0</td> <td>0</td> <td>0</td> </tr> </tbody> </table>	31. Long aortic root needle/CPS needle (without vent)	YEAR 1	YEAR 2	YEAR 3	GSH	40	40	40	TBH	400	400	400	RXH	0	0	0	
31. Long aortic root needle/CPS needle (without vent)	YEAR 1	YEAR 2	YEAR 3															
GSH	40	40	40															
TBH	400	400	400															
RXH	0	0	0															
4.32	Aortic Punch: - sharp, dual cutting edge, with conical tip - two handle lengths for better control and maneuverability - Single-packed, sterile: Size range: 2.5mm – 6.0mm																	
4.32.1	2.5mm <table border="1"> <thead> <tr> <th>32.1 Aortic Punch:</th> <th>YEAR 1</th> <th>YEAR 2</th> <th>YEAR 3</th> </tr> </thead> <tbody> <tr> <td>GSH</td> <td>12</td> <td>12</td> <td>12</td> </tr> <tr> <td>TBH</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>RXH</td> <td>50</td> <td>30</td> <td>30</td> </tr> </tbody> </table>	32.1 Aortic Punch:	YEAR 1	YEAR 2	YEAR 3	GSH	12	12	12	TBH	0	0	0	RXH	50	30	30	
32.1 Aortic Punch:	YEAR 1	YEAR 2	YEAR 3															
GSH	12	12	12															
TBH	0	0	0															
RXH	50	30	30															
4.32.2	3.0mm <table border="1"> <thead> <tr> <th>32.2 Aortic Punch:</th> <th>YEAR 1</th> <th>YEAR 2</th> <th>YEAR 3</th> </tr> </thead> <tbody> <tr> <td>GSH</td> <td>12</td> <td>12</td> <td>12</td> </tr> </tbody> </table>	32.2 Aortic Punch:	YEAR 1	YEAR 2	YEAR 3	GSH	12	12	12									
32.2 Aortic Punch:	YEAR 1	YEAR 2	YEAR 3															
GSH	12	12	12															

	TBH	0	0	0	
	RXH	50	20	20	
4.32.3	3.5mm				
	32.3 Aortic Punch:	YEAR 1	YEAR 2	YEAR 3	
	GSH	12	12	12	
	TBH	0	0	0	
	RXH	50	20	20	
4.32.4	4.0mm				
	32.4 Aortic Punch:	YEAR 1	YEAR 2	YEAR 3	
	GSH	120	120	120	
	TBH	100	100	100	
	RXH	50	20	20	
4.32.5	4.5 mm				
	32.5 Aortic Punch:	YEAR 1	YEAR 2	YEAR 3	
	GSH	20	20	20	
	TBH	150	150	150	
	RXH	0	0	0	
4.32.6	4.8mm				
	32.6 Aortic Punch:	YEAR 1	YEAR 2	YEAR 3	
	GSH	80	80	80	
	TBH	0	0	0	
	RXH	0	0	0	
4.32.7	5.0mm				
	32.7 Aortic Punch:	YEAR 1	YEAR 2	YEAR 3	
	GSH	120	120	120	
	TBH	50	50	50	
	RXH	30	0	20	
4.33	Retrograde cardioplegia cannula:				
	Three Types –				
4.33.1	- self-inflating balloon; textured balloon				

	<ul style="list-style-type: none"> - ergonomic handle - 14Fr (4.7mm) - 27cm (10.6") length - Single-packed, sterile 																	
	<table border="1"> <thead> <tr> <th>33.1 Retrograde cardioplegia cannula</th> <th>YEAR 1</th> <th>YEAR 2</th> <th>YEAR 3</th> </tr> </thead> <tbody> <tr> <td>GSH</td> <td>250</td> <td>250</td> <td>250</td> </tr> <tr> <td>TBH</td> <td>250</td> <td>250</td> <td>250</td> </tr> <tr> <td>RXH</td> <td>0</td> <td>0</td> <td>0</td> </tr> </tbody> </table>	33.1 Retrograde cardioplegia cannula	YEAR 1	YEAR 2	YEAR 3	GSH	250	250	250	TBH	250	250	250	RXH	0	0	0	
33.1 Retrograde cardioplegia cannula	YEAR 1	YEAR 2	YEAR 3															
GSH	250	250	250															
TBH	250	250	250															
RXH	0	0	0															
4.33.2	<ul style="list-style-type: none"> - 15 Fr (5.0mm) - 31.8 cm silicone encapsulated wire wounded body - smooth manual inflate cuff - integral stopcock - smooth cuff and syringe cuff inflation 																	
	<table border="1"> <thead> <tr> <th>33.2 Retrograde cardioplegia cannula</th> <th>YEAR 1</th> <th>YEAR 2</th> <th>YEAR 3</th> </tr> </thead> <tbody> <tr> <td>GSH</td> <td>100</td> <td>100</td> <td>100</td> </tr> <tr> <td>TBH</td> <td>400</td> <td>400</td> <td>400</td> </tr> <tr> <td>RXH</td> <td>0</td> <td>0</td> <td>0</td> </tr> </tbody> </table>	33.2 Retrograde cardioplegia cannula	YEAR 1	YEAR 2	YEAR 3	GSH	100	100	100	TBH	400	400	400	RXH	0	0	0	
33.2 Retrograde cardioplegia cannula	YEAR 1	YEAR 2	YEAR 3															
GSH	100	100	100															
TBH	400	400	400															
RXH	0	0	0															
4.33.3	<ul style="list-style-type: none"> - 15 Fr (5.0mm) - 31.8 cm silicone encapsulated wire wounded body - smooth Preformed auto inflate cuffs with pressure monitoring lines - integral stopcock 																	
	<table border="1"> <thead> <tr> <th>33.3 Retrograde cardioplegia cannula</th> <th>YEAR 1</th> <th>YEAR 2</th> <th>YEAR 3</th> </tr> </thead> <tbody> <tr> <td>GSH</td> <td>100</td> <td>100</td> <td>100</td> </tr> <tr> <td>TBH</td> <td>250</td> <td>250</td> <td>250</td> </tr> <tr> <td>RXH</td> <td>0</td> <td>0</td> <td>0</td> </tr> </tbody> </table>	33.3 Retrograde cardioplegia cannula	YEAR 1	YEAR 2	YEAR 3	GSH	100	100	100	TBH	250	250	250	RXH	0	0	0	
33.3 Retrograde cardioplegia cannula	YEAR 1	YEAR 2	YEAR 3															
GSH	100	100	100															
TBH	250	250	250															
RXH	0	0	0															
4.34.	<p>Connectors:</p> <ul style="list-style-type: none"> -PVC or similar bio-suitable material - barbed connections - sterile; single-packed <p>Varying configurations as stipulated</p> <p>- Sizes in inches:</p>																	
4.34.1	3/8-3/8 straight																	

	Connectors	YEAR 1	YEAR 2	YEAR 3
	GSH	100	80	80
	TBH	200	200	200
	RXH	150	80	80
4.34.2	3/8-3/8 straight with luer			
	Connectors	YEAR 1	YEAR 2	YEAR 3
	GSH	100	80	80
	TBH	200	200	200
	RXH	150	80	80
4.34.3	3/8-3/8-3/8 Y			
	Connectors	YEAR 1	YEAR 2	YEAR 3
	GSH	150	100	100
	TBH	300	300	300
	RXH	100	80	100
4.34.4	3/8-3/8-3/8 Y with luer			
	Connectors	YEAR 1	YEAR 2	YEAR 3
	GSH	20	20	20
	TBH	200	200	200
	RXH	20	20	20
4.34.5	1/2-1/2 straight			
	Connectors	YEAR 1	YEAR 2	YEAR 3
	GSH	150	80	80
	TBH	200	200	200
	RXH	20	0	0
4.34.6	1/2-1/2-1/2 Y			
	Connectors	YEAR 1	YEAR 2	YEAR 3
	1/2-1/2-1/2 Y			
	GSH	20	20	20
	TBH	100	100	100
	RXH	20	0	0
4.34.7	1/2-3/8 straight			

	Connectors	YEAR 1	YEAR 2	YEAR 3
	GSH	100	80	80
	TBH	300	300	300
	RXH	50	0	0
4.34.8	¼-1/4 straight			
	Connectors	YEAR 1	YEAR 2	YEAR 3
	GSH	150	100	100
	TBH	200	200	200
	RXH	200	150	200
4.34.9	¼-1/4 straight with luer			
	Connectors	YEAR 1	YEAR 2	YEAR 3
	GSH	100	100	100
	TBH	200	200	200
	RXH	350	300	350
4.34.10	¼-1/4-1/4 Y			
	Connectors	YEAR 1	YEAR 2	YEAR 3
	GSH	20	20	20
	TBH	100	100	100
	RXH	350	300	350
4.34.11	¼-1/4-1/4 Y with luer			
	Connectors	YEAR 1	YEAR 2	YEAR 3
	GSH	20	20	20
	TBH	100	100	100
	RXH	50	50	50
4.34.12	3/8-1/4-1/4 Y			
	Connectors	YEAR 1	YEAR 2	YEAR 3
	GSH	60	20	20
	TBH	100	100	100
	RXH	100	50	50
4.34.13	3/8-1/4-1/4 Y with luer			

	Connectors	YEAR 1	YEAR 2	YEAR 3	
	GSH	20	20	20	
	TBH	100	100	100	
	RXH	50	20	20	
4.34.14	$\frac{1}{2}$ -1/2-3/8 Y				
	Connectors	YEAR 1	YEAR 2	YEAR 3	
	GSH	20	20	20	
	TBH	100	100	100	
	RXH	0	0	0	
4.34.15	$\frac{3}{8}$ -3/8-1/2 Y				
	Connectors	YEAR 1	YEAR 2	YEAR 3	
	GSH	300	300	300	
	TBH	400	400	400	
	RXH	0	0	0	
4.34.16	$\frac{3}{8}$ -3/8-1/4 Y				
	Connectors	YEAR 1	YEAR 2	YEAR 3	
	GSH	100	100	100	
	TBH	100	100	100	
	RXH	50	50	50	
4.34.17	$\frac{1}{4}$ -3/16 straight				
	Connectors	YEAR 1	YEAR 2	YEAR 3	
	GSH	20	20	20	
	TBH	200	200	200	
	RXH	300	200	250	
4.34.18	3/16-3/16 straight				
	Connectors	YEAR 1	YEAR 2	YEAR 3	
	GSH	20	20	20	
	TBH	200	200	200	
	RXH	200	150	100	
4.34.19	3/16-3/16 straight with luer				
	Connectors	YEAR 1	YEAR 2	YEAR 3	

		GSH	20	20	20	
		TBH	200	200	200	
		RXH	50	50	50	
4.34.20	½-1/2-1/4 Y					
		Connectors	YEAR 1	YEAR 2	YEAR 3	
		GSH	20	20	20	
		TBH	200	200	200	
		RXH	0	0	0	
4.34.21	3/8-1/4					
		Connectors	YEAR 1	YEAR 2	YEAR 3	
		GSH	100	100	100	
		TBH	200	200	200	
		RXH	200	150	200	
4.34.22	3/16-Y					
		Connectors	YEAR 1	YEAR 2	YEAR 3	
		GSH	20	20	20	
		TBH	100	100	100	
		RXH	20	20	20	
4.35	<p>Straight-tip aortic arterial cannula:</p> <ul style="list-style-type: none"> -bevelled thin-walled tips attached to tapered cannula bodies - approx. 7 in (17.8 cm) overall length - connection site 3/8 inch (0.95 cm) with vented 3/8-inch connector - plug / cap on cannula included - single-packed, sterile 					
4.35.1	18Fr with vented connector included					
		35.1 Straight-tip aortic arterial cannula (3/8 back)	YEAR 1	YEAR 2	YEAR 3	
		GSH	20	20	20	
		TBH	100	100	100	
		RXH	40	20	20	
4.35.2	20Fr with vented connector included					

	35.2 Straight-tip aortic arterial cannula (3/8 back)	YEAR 1	YEAR 2	YEAR 3	
	GSH	40	40	40	
	TBH	100	100	100	
	RXH	0	0	0	
4.35.3	22Fr with vented connector included				
	35.4 Straight-tip aortic arterial cannula (3/8 back)	YEAR 1	YEAR 2	YEAR 3	
	GSH	60	60	60	
	TBH	300	300	300	
	RXH	0	0	0	
4.35.4	24Fr with vented connector included				
	35.4 Straight-tip aortic arterial cannula (3/8 back)	YEAR 1	YEAR 2	YEAR 3	
	GSH	200	200	200	
	TBH	300	300	300	
	RXH	0	0	0	
4.36	Straight-tip aortic arterial cannula: - bevelled thin-walled tips attached to tapered cannula bodies - approx. 7 in (17.8 cm) overall length - connection site 3/8 inch - non-vented 3/8 in (0.95 cm) connector - plug / cap on cannula included - single-packed, sterile				
4.36.1	18 Fr with non-vented connector				
	36.1 Straight-tip aortic arterial cannula (3/8 back)	YEAR 1	YEAR 2	YEAR 3	
	GSH	0	0	0	
	TBH	100	100	100	
	RXH	20	20	20	

4.36.2	20 Fr with non-vented connector			
	36.2 Straight-tip aortic arterial cannula (3/8 back)	YEAR 1	YEAR 2	YEAR 3
	GSH	0	0	0
	TBH	100	100	100
	RXH	0	0	0
4.36.3	22 Fr with non-vented connector			
	36.3 Straight-tip aortic arterial cannula (3/8 back)	YEAR 1	YEAR 2	YEAR 3
	GSH	0	0	0
	TBH	300	300	300
	RXH	0	0	0
4.36.4	24 Fr with non-vented connector			
	36.4 Straight-tip aortic arterial cannula (3/8 back)	YEAR 1	YEAR 2	YEAR 3
	GSH	0	0	0
	TBH	300	300	300
	RXH	0	0	0
4.37	<p>Angled Aortic arterial cannula:</p> <ul style="list-style-type: none"> - +/- 30cm overall length - 45° tip - connection site 3/8 inch - one piece, kink resistant body - vented 3/8 in (0.95 cm) connector (where stipulated with easy-to-remove connector cap) - single-packed, sterile 			
4.37.1	18Fr with connector included			
	37.1 Angled Aortic arterial cannula	YEAR 1	YEAR 2	YEAR 3
	GSH	20	20	20
	TBH	20	20	20

	RXH	0	0	0	
4.37.2	20Fr with connector included				
	37.2 Angled Aortic arterial cannula	YEAR 1	YEAR 2	YEAR 3	
	GSH	40	40	40	
	TBH	20	20	20	
	RXH	0	0	0	
4.37.3	22Fr with connector included				
	37.3 Angled Aortic arterial cannula	YEAR 1	YEAR 2	YEAR 3	
	GSH	60	60	60	
	TBH	50	50	50	
	RXH	0	0	0	
4.37.4	24Fr with connector included				
	37.4 Angled Aortic arterial cannula	YEAR 1	YEAR 2	YEAR 3	
	GSH	200	200	200	
	TBH	300	300	300	
	RXH	0	0	0	
4.38	<p>Elongated Arterial Cannula (with vented 3/8-inch connector):</p> <ul style="list-style-type: none"> - cannula with thin wall tips with elongated, one piece, kink resistant wire-wound body - includes blunt tip - includes introducer and hemostasis cap - depth markings and adjustable radiopaque suture ring - +/- 30,5cm length - single-packed, sterile 				
4.38.1	12Fr				
	38.1 Elongated Arterial Cannula (with vented 3/8-inch connector)	YEAR 1	YEAR 2	YEAR 3	
	GSH	10	10	10	

	TBH	40	40	40	
	RXH	60	40	80	
4.38.2	14Fr				
	38.2 Elongated Arterial Cannula (with vented 3/8-inch connector)	YEAR 1	YEAR 2	YEAR 3	
	GSH	10	10	10	
	TBH	40	40	40	
	RXH	60	40	80	
4.38.3	16Fr				
	38.3 Elongated Arterial Cannula (with vented 3/8-inch connector)	YEAR 1	YEAR 2	YEAR 3	
	GSH	10	10	10	
	TBH	40	40	40	
	RXH	60	40	80	
4.38.4	18Fr				
	38.4 Elongated Arterial Cannula (with vented 3/8-inch connector)	YEAR 1	YEAR 2	YEAR 3	
	GSH	20	20	20	
	TBH	60	60	60	
	RXH	20	0	0	
4.38.5	20Fr				
	38.5 Elongated Arterial Cannula (with vented 3/8-inch connector)	YEAR 1	YEAR 2	YEAR 3	
	GSH	80	80	80	
	TBH	100	100	100	
	RXH	0	0	0	

4.38.6	22Fr			
	38.6 Elongated Arterial Cannula (with vented 3/8-inch connector)	YEAR 1	YEAR 2	YEAR 3
	GSH	100	100	100
	TBH	200	200	200
	RXH	0	0	0
4.38.7	24Fr			
	38.7 Elongated Arterial Cannula (with vented 3/8-inch connector)	YEAR 1	YEAR 2	YEAR 3
	GSH	150	150	150
	TBH	200	200	200
	RXH	0	0	0
4.39	<p>Elongated Arterial Cannula (with NON-vented 3/8-inch connector):</p> <ul style="list-style-type: none"> - cannula with thin wall tips with elongated, one piece, kink resistant wire-wound body - includes blunt tip - includes introducer and hemostasis cap - depth markings and adjustable radiopaque suture ring - +/- 30,5cm length - single-packed, sterile 			
4.39.1	12Fr			
	39.1 Elongated Arterial Cannula (with NON-vented 3/8-inch connector)	YEAR 1	YEAR 2	YEAR 3
	GSH	0	0	0
	TBH	40	40	40
	RXH	0	0	0
4.39.2	14Fr			
	39.2 Elongated Arterial Cannula (with NON-vented 3/8-inch	YEAR 1	YEAR 2	YEAR 3

	connector				
	GSH	0	0	0	
	TBH	40	40	40	
	RXH	0	0	0	
4.39.3	16Fr				
	39.3 Elongated Arterial Cannula (with NON-vented 3/8-inch connector)	YEAR 1	YEAR 2	YEAR 3	
	GSH	0	0	0	
	TBH	40	40	40	
	RXH	0	0	0	
4.39.4	18Fr				
	39.4 Elongated Arterial Cannula (with NON-vented 3/8-inch connector)	YEAR 1	YEAR 2	YEAR 3	
	GSH	0	0	0	
	TBH	60	60	60	
	RXH	0	0	0	
4.39.5	20Fr				
	39.5 Elongated Arterial Cannula (with NON-vented 3/8-inch connector)	YEAR 1	YEAR 2	YEAR 3	
	GSH	0	0	0	
	TBH	100	100	100	
	RXH	0	0	0	
4.39.6	22Fr				
	39.6 Elongated Arterial Cannula (with NON-vented 3/8-inch connector)	YEAR 1	YEAR 2	YEAR 3	
	GSH	0	0	0	

	TBH	200	200	200	
	RXH	0	0	0	
4.39.7	24Fr				
	39.7 Elongated Arterial Cannula (with NON-vented 3/8-inch connector)	YEAR 1	YEAR 2	YEAR 3	
	GSH	0	0	0	
	TBH	200	200	200	
	RXH	0	0	0	
4.40	<p>Arterial Cannula for Minimally Invasive Surgery (MICS) and / or Arterial Cannula for alternate / additional arterial cannulation, such as axillary and subclavian:</p> <ul style="list-style-type: none"> -has an introducer with blunt tip configuration - has a lock feature reduces push-back of the introducer during insertion - has a vent cap to reduce back-bleed when no guidewire is used in the procedure - depth markings to aid in placement - single-packed, sterile <p>Size range –</p>				
4.40.1	16Fr				
	40.1 MICS arterial cannula	YEAR 1	YEAR 2	YEAR 3	
	GSH	10	10	10	
	TBH	0	0	0	
	RXH	0	0	0	
4.40.2	18Fr				
	40.2 MICS arterial cannula	YEAR 1	YEAR 2	YEAR 3	
	GSH	10	10	10	
	TBH	10	10	10	
	RXH	0	0	0	
4.40.3	20Fr				
	40.3 MICS arterial cannula	YEAR 1	YEAR 2	YEAR 3	
	GSH	20	20	20	

	TBH	10	10	10	
	RXH	0	0	0	
4.40.4	22Fr				
	40.4 MICS arterial cannula	YEAR 1	YEAR 2	YEAR 3	
	GSH	20	20	20	
	TBH	10	10	10	
	RXH	0	0	0	
4.41	Insertion kit for Arterial cannula for MICS and Femoral Arterial Cannula: percutaneous arterial introducer kit: - Kit must include: -Size 11 scalpel -18 ga. Insertion needle -5 ml syringe -Three dilators: 8 Fr./12 Fr./16 Fr -0.038-inch guidewire 180+ cm -Hemostasis cap (optional) - single-packed, sterile				
	41. Arterial cannulation insertion kit (MICS/Fem)	YEAR 1	YEAR 2	YEAR 3	
	GSH	200	200	200	
	TBH	30	30	30	
	RXH	20	5	10	
4.42	Femoral Arterial or Jugular venous cannula with insertion kit: - wire-wound, kink-resistant venous cannula with tapered tip - marked at 5cm intervals to indicate insertion depth - includes kit for percutaneous insertion: components: introducer(s), guidewire and connector hub - terminates in 3/8 inch. (9.5 mm) barbed connector - single-packed, sterile Size Range -				
4.42.1	17 Fr				
	42.1 Fem arterial or Jugular venous cannula (3/8 back)	YEAR 1	YEAR 2	YEAR 3	

		GSH	10	10	10	
		TBH	30	30	30	
		RXH	0	0	0	
4.42.2	21 Fr					
	42.2 Fem arterial or Jugular venous cannula (3/8 back)	YEAR 1	YEAR 2	YEAR 3		
	GSH	20	20	20		
	TBH	30	30	30		
	RXH	0	0	0		
4.43	<p>Straight, single stage venous cannula:</p> <ul style="list-style-type: none"> - one piece, kink resistant, wire-wound body with tapered, multi-port tip - +/- 12-15 inches (30.5 - 38.1 cm) overall length - connection site 3/8 in (0.95 cm) - single-packed, sterile <p>Size Range –</p>					
4.43.1	26Fr					
	43.1 Straight, single stage venous cannula	YEAR 1	YEAR 2	YEAR 3		
	GSH	60	60	60		
	TBH	100	100	100		
	RXH	100	60	80		
4.43.2	28Fr					
	43.2 Straight, single stage venous cannula	YEAR 1	YEAR 2	YEAR 3		
	GSH	60	60	60		
	TBH	300	300	300		
	RXH	100	40	60		
4.43.3	30Fr					
	43.3 Straight, single stage venous cannula	YEAR 1	YEAR 2	YEAR 3		

		GSH	100	100	100	
		TBH	300	300	300	
		RXH	100	40	60	
4.43.4	32Fr					
	43.4 Straight, single stage venous cannula	YEAR 1	YEAR 2	YEAR 3		
	GSH	200	200	200		
	TBH	300	300	300		
	RXH	100	40	60		
4.43.5	34Fr					
	43.5 Straight, single stage venous cannula)	YEAR 1	YEAR 2	YEAR 3		
	GSH	200	200	200		
	TBH	100	200	200		
	RXH	0	0	0		
4.43.6	36Fr					
	43.6 Straight, single stage venous cannula	YEAR 1	YEAR 2	YEAR 3		
	GSH	200	200	200		
	TBH	100	100	100		
	RXH	0	0	0		
4.44	Angled single stage venous cannulae:					
	- one piece, kink resistant, wire-wound body with tapered, multi-port tip at a right angle					
	- +/- 12-15 inches (30.5 - 38.1 cm) overall length					
	- Connection site 3/8 in (0.95 cm)					
	- single-packed, sterile					
	Size Range -					
4.44.1	26Fr					
	44.1 Angled single stage venous cannulae (3/8	YEAR 1	YEAR 2	YEAR 3		

	back)				
	GSH	10	10	10	
	TBH	20	20	20	
	RXH	0	0	0	
4.44.2	28Fr				
	44.2 Angled single stage venous cannulae (3/8 back)	YEAR 1	YEAR 2	YEAR 3	
	GSH	20	20	20	
	TBH	20	20	20	
	RXH	0	0	0	
4.44.3	30Fr				
	44.3 Angled single stage venous cannulae (3/8 back)	YEAR 1	YEAR 2	YEAR 3	
	GSH	40	40	40	
	TBH	40	40	40	
	RXH	0	0	0	
4.44.4	32Fr				
	44.4 Angled single stage venous cannulae (3/8 back)	YEAR 1	YEAR 2	YEAR 3	
	GSH	80	80	80	
	TBH	40	40	40	
	RXH	0	0	0	
4.44.5	34Fr				
	44.5 Angled single stage venous cannulae (3/8 back)	YEAR 1	YEAR 2	YEAR 3	
	GSH	80	80	80	

	TBH	40	40	40	
	RXH	0	0	0	
4.44.6	36Fr				
	44.6 Angled single stage venous cannulae (3/8 back)	YEAR 1	YEAR 2	YEAR 3	
	GSH	80	80	80	
	TBH	40	40	40	
	RXH	0	0	0	
4.44.7	38Fr				
	44.7 Angled single stage venous cannulae (3/8 back)	YEAR 1	YEAR 2	YEAR 3	
	GSH	10	10	10	
	TBH	40	40	40	
	RXH	0	0	0	
4.44.8	40Fr				
	44.8 Angled single stage venous cannulae (3/8 back)	YEAR 1	YEAR 2	YEAR 3	
	GSH	10	10	10	
	TBH	40	40	40	
	RXH	0	0	0	
4.45.	<p>Dual Stage straight venous cannula:</p> <ul style="list-style-type: none"> -one-piece, knit resistant, wire-reinforced body -tips must have multiple ports designed to increase venous drainage -designed to resist against cannula wall collapse (wire wound) - 3/8-inch connection site - single-packed, sterile <p>Size Range</p>				
4.45.1	29/37Fr				

	45.1 Dual Stage straight venous cannula	YEAR 1	YEAR 2	YEAR 3	
	GSH	60	60	60	
	TBH	300	300	300	
	RXH	20	0	20	
4.45.2	36/46Fr				
	45.2 Dual Stage straight venous cannula	YEAR 1	YEAR 2	YEAR 3	
	GSH	200	200	200	
	TBH	200	200	200	
	RXH	0	0	0	
4.45.3	29/29Fr				
	45.3 Dual Stage straight venous cannula	YEAR 1	YEAR 2	YEAR 3	
	GSH	40	40	40	
	TBH	100	100	100	
	RXH	60	20	20	
4.45.4	34/46Fr				
	45.4 Dual Stage straight venous cannula	YEAR 1	YEAR 2	YEAR 3	
	GSH	250	250	250	
	TBH	200	200	200	
	RXH	0	0	0	
4.45.5	32/40Fr with oval body				
	45.5 Dual Stage straight venous cannula	YEAR 1	YEAR 2	YEAR 3	
	GSH	10	10	10	
	TBH	300	300	300	
	RXH	0	0	0	
4.45.6	32/40Fr with flat body				

	45.6 Dual Stage straight venous cannula	YEAR 1	YEAR 2	YEAR 3	
	GSH	10	10	10	
	TBH	100	100	100	
	RXH	0	0	0	
4.46	Dual stage venous cannula with swirl tips and slotted atrial baskets: -kink-resistant, wire-wound bodies that feature depth markings - 15 in (38.1 cm) overall - non-vented 1/2 in (1.27 cm) connector Size Range -				
4.46.1	34/38 Fr (11.3/12.7 mm)				
	46.1 Dual stage venous cannula with swirl tips and slotted atrial basket	YEAR 1	YEAR 2	YEAR 3	
	GSH	10	10	10	
	TBH	200	200	200	
	RXH	0	0	0	
4.46.2	34/38 Fr (11.3/12.7 mm) with Oval body				
	46.2 Dual stage venous cannula with swirl tips and slotted atrial basket	YEAR 1	YEAR 2	YEAR 3	
	GSH	10	10	10	
	TBH	100	100	100	
	RXH	0	0	0	
4.46.3	34/48 Fr (11.3/12.7 mm) with Oval body				
	46.3 Dual stage venous cannula with swirl tips and slotted atrial basket	YEAR 1	YEAR 2	YEAR 3	
	GSH	10	10	10	
	TBH	150	150	150	
	RXH	0	0	0	
4.47	Three stage venous cannula:				

	<ul style="list-style-type: none"> - 15.5 in (39 cm) overall length - Non-vented 3/8 in (0.95 cm) connector <p>Size 29/46/37 Fr (9.7/15.3/12.3 mm)</p>				
	47. Three stage venous cannula (29/46/37Fr)	YEAR 1	YEAR 2	YEAR 3	
	GSH	10	10	10	
	TBH	100	100	100	
	RXH	0	0	0	
4.48	<p>Single stage right-angled metal tip venous cannula:</p> <ul style="list-style-type: none"> - one-piece, kink resistant, wire-reinforced body - right-angled metal tip; bevelled with multi-ports - body includes tip orientation line - terminates in 3/8-inch connection site - single-packed, sterile <p>Size Range -</p>				
4.48.1	16Fr				
	48.1 Single stage right angled metal tip venous cannula	YEAR 1	YEAR 2	YEAR 3	
	GSH	10	10	10	
	TBH	40	40	40	
	RXH	250	150	200	
4.48.2	18Fr				
	48.2 Single stage right angled metal tip venous cannula	YEAR 1	YEAR 2	YEAR 3	
	GSH	10	10	10	
	TBH	40	40	40	
	RXH	250	150	200	
4.48.3	20Fr				
	48.3 Single stage right angled metal tip venous cannula	YEAR 1	YEAR 2	YEAR 3	

		GSH	10	10	10	
		TBH	60	60	60	
		RXH	250	150	200	
4.48.4	22Fr					
	48.4 Single stage right angled metal tip venous cannula	YEAR 1	YEAR 2	YEAR 3		
		GSH	20	20	20	
		TBH	60	60	60	
		RXH	200	150	200	
4.48.5	24Fr					
	48.5 Single stage right angled metal tip venous cannula	YEAR 1	YEAR 2	YEAR 3		
		GSH	80	80	80	
		TBH	60	60	60	
		RXH	200	150	200	
4.48.6	28Fr					
	48.6 Single stage right angled metal tip venous cannula	YEAR 1	YEAR 2	YEAR 3		
		GSH	150	150	150	
		TBH	40	40	40	
		RXH	200	150	200	
4.48.7	31 Fr					
	48.7 Single stage right angled metal tip venous cannula	YEAR 1	YEAR 2	YEAR 3		
		GSH	150	150	150	

	TBH	20	20	20	
	RXH	150	100	200	
4.49	<p>Insertion kit for venous cannula for MICS and femoral venous cannula: percutaneous venous introducer kit:</p> <p>Kit must include:</p> <ul style="list-style-type: none"> - size 11 scalpel - 18 Ga. Insertion needle - 5 ml syringe - three dilators: 8 Fr./12 Fr./16 Fr - 0.038-inch guidewire 260+ cm - Hemostasis cap (optional) - single-packed, sterile 				
	49. Insertion kit for MICS/Femoral venous cannula (260cm guidewire)	YEAR 1	YEAR 2	YEAR 3	
	GSH	200	200	200	
	TBH	0	0	0	
	RXH	0	0	0	
4.50.	<p>Femoral venous cannula with insertion kit:</p> <ul style="list-style-type: none"> - wire-wound, kink-resistant venous cannula with tapered tip - marked at 5cm intervals to indicate insertion depth - includes kit for percutaneous insertion: components: introducer(s), guidewire and connector hub - terminates in 3/8 inch. (9.5 mm) barbed connector - single-packed, sterile <p>Size Range –</p>				
4.50.1	17 Fr				
	50.1 Femoral venous cannula with insertion kit	YEAR 1	YEAR 2	YEAR 3	
	GSH	10	10	10	
	TBH	20	20	20	
	RXH	10	5	10	
4.50.2	21Fr				
	50.2 Femoral venous cannula with insertion kit	YEAR 1	YEAR 2	YEAR 3	

	GSH	10	10	10	
	TBH	20	20	20	
	RXH	10	5	10	
4.50.3	25Fr				
	50.3 Femoral venous cannula with insertion kit	YEAR 1	YEAR 2	YEAR 3	
	GSH	10	10	10	
	TBH	20	20	20	
	RXH	5	0	5	
4.51.	Single stage malleable venous cannula: - one-piece, kink resistant, wire-reinforced body - malleable design to accommodate surgeon shaping, angling and positioning - tapered multi-port tip - 3/8-inch connection site - single-packed, sterile Size Range –				
4.51.1	26Fr				
	51.1 Single stage malleable venous cannula	YEAR 1	YEAR 2	YEAR 3	
	GSH	10	10	10	
	TBH	100	100	100	
	RXH	0	0	0	
4.51.2	28Fr				
	51.2 Single stage malleable venous cannula	YEAR 1	YEAR 2	YEAR 3	
	GSH	10	10	10	
	TBH	300	300	300	
	RXH	0	0	0	
4.51.3	30Fr				
	51.3 Single stage	YEAR 1	YEAR 2	YEAR 3	

	malleable venous cannula				
	GSH	10	10	10	
	TBH	300	300	300	
	RXH	0	0	0	
4.51.4	32Fr				
	51.4 Single stage malleable venous cannula	YEAR 1	YEAR 2	YEAR 3	
	GSH	10	10	10	
	TBH	300	300	300	
	RXH	0	0	0	
4.51.5	34Fr				
	51.5 Single stage malleable venous cannula	YEAR 1	YEAR 2	YEAR 3	
	GSH	10	10	10	
	TBH	200	200	200	
	RXH	0	0	0	
4.52.	<p>Adult Arterial ECMO Cannula:</p> <ul style="list-style-type: none"> - polyurethane cannula body - wire-reinforced, thin walls - lockable introducer - depth marks to optimize insertion - biocompatible coating - approval of 30 days' application time - single-packed, sterile <p>Size Range –</p>				
4.52.1	13Fr				
	52.1 Adult arterial ECMO cannula	YEAR 1	YEAR 2	YEAR 3	
	GSH	20	20	20	
	TBH	0	0	0	
	RXH	10	5	5	

4.52.2	15Fr			
	52.2 Adult arterial ECMO cannula	YEAR 1	YEAR 2	YEAR 3
	GSH	20	20	20
	TBH	0	0	0
	RXH	10	5	5
4.52.3	17Fr			
	52.3 Adult arterial ECMO cannula	YEAR 1	YEAR 2	YEAR 3
	GSH	30	30	30
	TBH	5	5	5
	RXH	10	5	5
4.52.4	19Fr			
	52.4 Adult arterial ECMO cannula	YEAR 1	YEAR 2	YEAR 3
	GSH	60	60	60
	TBH	5	5	5
	RXH	10	5	5
4.52.5	21Fr			
	52.5 Adult arterial ECMO cannula	YEAR 1	YEAR 2	YEAR 3
	GSH	80	80	80
	TBH	5	5	5
	RXH	10	5	5
4.52.6	23Fr			
	52.6 Adult arterial ECMO cannula	YEAR 1	YEAR 2	YEAR 3
	GSH	80	80	80
	TBH	5	5	5
	RXH	10	5	5

<p>4.53.</p>	<p>Percutaneous insertion kit for adult arterial ECMO cannula:</p> <ul style="list-style-type: none"> - multi-dilators – 10-18Fr - 0.038inch 100cm J-tip guidewire - guidewire advancer - 18Ga needle - small blade - 10cc syringe - single-packed, sterile 				
	<p>53. Percutaneous insertion kit adult arterial ECMO (100cm)</p>	<p>YEAR 1</p>	<p>YEAR 2</p>	<p>YEAR 3</p>	
	<p>GSH</p>	<p>100</p>	<p>100</p>	<p>100</p>	
	<p>TBH</p>	<p>5</p>	<p>5</p>	<p>5</p>	
	<p>RXH</p>	<p>5</p>	<p>5</p>	<p>5</p>	
<p>4.54.</p>	<p>Universal Vascular Access Kit with a selection of dilator sizes to accommodate varying patient anatomies:</p> <ul style="list-style-type: none"> - compatible with single-lumen arterial and venous cannulae and jugular dual lumen catheters - Contents of one kit: <ul style="list-style-type: none"> * stepped flexible-tipped dilators that have a long tip that gradually tapers, incl. sizes 8/10Fr, 13Fr, 16Fr, 20Fr, 24Fr, 26Fr, and 28Fr. Dilators must be clearly marked and facilitate efficient insertion and removal * J-tip Guidewire 0.038 in (0.97 mm) x 71 in (180 cm) with depth mark increments * # 11 safety scalpel that locks into place with one-handed activation * 18 Gauge needle * 10cc syringe - kits single-packed, sterile, for single use 				
	<p>54. Universal vascular access kit (13-28Fr, 180cm)</p>	<p>YEAR 1</p>	<p>YEAR 2</p>	<p>YEAR 3</p>	
	<p>GSH</p>	<p>150</p>	<p>150</p>	<p>150</p>	
	<p>TBH</p>	<p>5</p>	<p>5</p>	<p>5</p>	
	<p>RXH</p>	<p>20</p>	<p>20</p>	<p>20</p>	
<p>4.55.</p>	<p>Adult venous ECMO cannula:</p> <ul style="list-style-type: none"> - radiopaque markings to assist in catheter insertion and placement and check placement on X-ray - polyurethane cannula body 				

	<ul style="list-style-type: none"> - wire-reinforced, thin walls - lockable introducer - depth marks to optimize insertion - biocompatible coating - stop ring included - reinforced side holes - approval of 30 days' application time - single-packed, sterile - Size Range: 				
4.55.1	19Fr				
	55.1 Adult venous ECMO cannula	YEAR 1	YEAR 2	YEAR 3	
	GSH	10	10	10	
	TBH	0	0	0	
	RXH	0	0	0	
4.55.2	21Fr				
	55.2 Adult venous ECMO cannula	YEAR 1	YEAR 2	YEAR 3	
	GSH	30	30	30	
	TBH	5	5	5	
	RXH	0	0	0	
4.55.3	23Fr				
	55.3 Adult venous ECMO cannula	YEAR 1	YEAR 2	YEAR 3	
	GSH	30	30	30	
	TBH	5	5	5	
	RXH	0	0	0	
4.55.4	25Fr				
	55.4 Adult venous ECMO cannula	YEAR 1	YEAR 2	YEAR 3	
	GSH	80	80	80	
	TBH	5	5	5	

	RXH	0	0	0	
4.55.5	27Fr				
	55.5 Adult venous ECMO cannula	YEAR 1	YEAR 2	YEAR 3	
	GSH	80	80	80	
	TBH	5	5	5	
	RXH	0	0	0	
4.55.6	29FR				
	55.6 Adult venous ECMO cannula	YEAR 1	YEAR 2	YEAR 3	
	GSH	80	80	80	
	TBH	0	0	0	
	RXH	0	0	0	
4.56.	Percutaneous insertion kit for adult venous ECMO cannula:				
	<ul style="list-style-type: none"> - multi-dilators – 10-18Fr - 0.038inch 200+cm J-tip guidewire - guidewire advancer - 18Ga needle - small blade - 10cc syringe - single-packed, sterile 				
	56. Percutaneous insertion venous ECMO (10-18Fr, 200cm+)	YEAR 1	YEAR 2	YEAR 3	
	GSH	100	100	100	
	TBH	10	10	10	
	RXH	0	0	0	
4.57.	Dual-lumen / Bi-caval (Veno-venous) adult ECMO cannula:				
	<ul style="list-style-type: none"> - radiopaque markings to assist in catheter insertion and placement and check placement on X-ray - silicon and polyurethane cannula body - tapered introducer tip - wire-reinforced, thin walls - designed to reduce recirculation 				

	<ul style="list-style-type: none"> - introducer included - depth marks to optimize insertion - radiopaque - biocompatible coating - approval of 30 days' application time - state if percutaneous insertion kit is included or not - approx. 31cm length - 3/8" connection - single-packed, sterile Size range – (indicate if range is even numbers)				
4.57.1	13Fr				
	57.1 Dual-lumen/Bi-caval (veno-veno) ECMO cannula	YEAR 1	YEAR 2	YEAR 3	
	GSH	5	5	5	
	TBH	0	0	0	
	RXH	5	5	5	
4.57.2	15Fr				
	57.2 Dual-lumen/Bi-caval (veno-veno) ECMO cannula	YEAR 1	YEAR 2	YEAR 3	
	GSH	5	5	5	
	TBH	0	0	0	
	RXH	5	5	5	
4.57.3	17Fr				
	57.3 Dual-lumen/Bi-caval (veno-veno) ECMO cannula	YEAR 1	YEAR 2	YEAR 3	
	GSH	5	5	5	
	TBH	0	0	0	
	RXH	5	5	5	
4.57.4	19Fr				
	57.4 Dual-lumen/Bi-caval	YEAR 1	YEAR 2	YEAR 3	

	(veno-veno) ECMO cannula				
	GSH	10	15	15	
	TBH	3	3	3	
	RXH	5	5	5	
4.57.5	21Fr				
	57.5 Dual-lumen/Bi-caval (veno-veno) ECMO cannula	YEAR 1	YEAR 2	YEAR 3	
	GSH	10	20	20	
	TBH	3	3	3	
	RXH	5	5	5	
4.57.6	23Fr				
	57.6 Dual-lumen/Bi-caval (veno-veno) ECMO cannula	YEAR 1	YEAR 2	YEAR 3	
	GSH	10	20	20	
	TBH	3	3	3	
	RXH	5	5	5	
4.57.7	25Fr				
	57.7 Dual-lumen/Bi-caval (veno-veno) ECMO cannula	YEAR 1	YEAR 2	YEAR 3	
	GSH	15	20	20	
	TBH	3	3	3	
	RXH	5	5	5	
4.57.8	27Fr				
	57.8 Dual-lumen/Bi-caval (veno-veno) ECMO cannula	YEAR 1	YEAR 2	YEAR 3	
	GSH	15	15	15	
	TBH	3	3	3	
	RXH	0	0	0	

4.57.9	29Fr				
	57.9 Dual-lumen/Bi-caval (veno-veno) ECMO cannula	YEAR 1	YEAR 2	YEAR 3	
	GSH	15	15	15	
	TBH	0	0	0	
	RXH	0	0	0	
4.57.10	31Fr				
	57.10 Dual-lumen/Bi-caval (veno-veno) ECMO cannula	YEAR 1	YEAR 2	YEAR 3	
	GSH	15	15	15	
	TBH	0	0	0	
	RXH	0	0	0	
4.58	<p>Percutaneous insertion kit for dual-lumen adult ECMO cannula (if not included with the cannula):</p> <p>As corresponds with size of dual-lumen cannula selected - includes:</p> <ul style="list-style-type: none"> - 18 Ga needle - multiple dilators – 10-34Fr (range could be available over 2-3 different Insertion Kit options) - 0.038" guidewire – 100-200cm (range could be available over 2-3 different Insertion Kit options) - blade - single-packed, sterile 				
	58. Percutaneous insertion for dual-lumen ECMO cannula (10-34Fr, 100-200cm)	YEAR 1	YEAR 2	YEAR 3	
	GSH	10	10	10	
	TBH	5	5	5	
	RXH	0	0	0	
4.59.	<p>Jugular Dual Lumen ECMO Cannula:</p> <ul style="list-style-type: none"> - radiopaque markers for improved visualization: visible under radiographic imaging, tantalum markers to aid in positioning the catheter; identify drainage sites, infusion port, catheter tip, and axial orientation of the port - elongated introducer tip and tapered catheter tip to ease the 				

	<p>transition from introducer to catheter for smoother more confident insertion</p> <ul style="list-style-type: none"> - enhancements in port placement, lumen design and tip geometry to enable higher flow rates at lower pressure drops, thus decreasing haemolysis and recirculation - catheter material must be strong, flexible and kink resistant - directional efficiency: Large infusion port, combined with radiopaque markers for placement accuracy, help ensure flow is directed toward the tricuspid valve & pulmonary artery - must include Proximal drainage tantalum marker at the proximal drainage holes - must include reinfusion port radiopaque marker at the reinfusion port - must include Distal drainage radiopaque markers at the distal drainage holes - must include a drainage tip radiopaque marker at the drainage tip - drainage and reinfusion ports should be designed to mimic the body native flow ratios to minimize recirculation while maintaining flow - features to keep catheter securely in place for ambulation and enhanced visualization to access that catheter is in position - catheter tip needs to be extended to assist with maintaining position aiding in deeper placement in the IVC, reducing chance of migration - insertion stylet must be included in the package to aid cannulation. - insertion length of cannula should range between 30-34 cm and it must include a 3/8" connector - Size Range: 																	
4.59.1	24Fr																	
	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">59.1 Jugular Dual-lumen ECMO cannula</th> <th style="width: 15%;">YEAR 1</th> <th style="width: 15%;">YEAR 2</th> <th style="width: 15%;">YEAR 3</th> </tr> </thead> <tbody> <tr> <td>GSH</td> <td>5</td> <td>5</td> <td>5</td> </tr> <tr> <td>TBH</td> <td>5</td> <td>5</td> <td>5</td> </tr> <tr> <td>RXH</td> <td>3</td> <td>0</td> <td>0</td> </tr> </tbody> </table>	59.1 Jugular Dual-lumen ECMO cannula	YEAR 1	YEAR 2	YEAR 3	GSH	5	5	5	TBH	5	5	5	RXH	3	0	0	
59.1 Jugular Dual-lumen ECMO cannula	YEAR 1	YEAR 2	YEAR 3															
GSH	5	5	5															
TBH	5	5	5															
RXH	3	0	0															
4.59.2	28Fr																	
	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">59.2 Jugular Dual-lumen ECMO cannula</th> <th style="width: 15%;">YEAR 1</th> <th style="width: 15%;">YEAR 2</th> <th style="width: 15%;">YEAR 3</th> </tr> </thead> <tbody> <tr> <td>GSH</td> <td>5</td> <td>5</td> <td>5</td> </tr> <tr> <td>TBH</td> <td>5</td> <td>5</td> <td>5</td> </tr> <tr> <td>RXH</td> <td>3</td> <td>0</td> <td>0</td> </tr> </tbody> </table>	59.2 Jugular Dual-lumen ECMO cannula	YEAR 1	YEAR 2	YEAR 3	GSH	5	5	5	TBH	5	5	5	RXH	3	0	0	
59.2 Jugular Dual-lumen ECMO cannula	YEAR 1	YEAR 2	YEAR 3															
GSH	5	5	5															
TBH	5	5	5															
RXH	3	0	0															
4.59.3	30Fr																	

	59.3 Jugular Dual-lumen ECMO cannula	YEAR 1	YEAR 2	YEAR 3
	GSH	5	5	5
	TBH	5	5	5
	RXH	3	0	0
4.59.4	32Fr			
	59.4 Jugular Dual-lumen ECMO cannula	YEAR 1	YEAR 2	YEAR 3
	GSH	5	5	5
	TBH	0	0	0
	RXH	3	0	0
4.60.	<p>Multi-application cannula for minimally invasive, femoral-femoral and/or femoral-jugular ECMO:</p> <ul style="list-style-type: none"> - cannula introducer facilitates proper insertion and placement of the appropriate sized cannula within the vessel for cardiopulmonary bypass - cannulae are available in femoral venous, femoral arterial, and jugular venous configurations: <p>-Design and specifications:</p> <p>i.) femoral arterial/ jugular venous cannula</p> <ul style="list-style-type: none"> * overall length - 31.8cm * tip length - 18cm * 3/8" vented connector * intended for internal jugular venous usage; internal jugular venous position offers enhanced return with high pressure flow rates and minimal pressure differences <p>ii.) multistage femoral venous cannula</p> <ul style="list-style-type: none"> * overall length 64.8cm -76.2cm * tip length 50-60cm * 3/8" non-vented connector * optimizes drainage of the entire circulation by accessing the IVC, atrium, and SVC * IVC/atrial junction position promotes efficient venous drainage. * depth markings to allow for visualizing the introducer's length beyond the tip of the cannula body * elongated taper to allow introducer to dilate the vessel over a longer distance during insertion. Overall tip length up to 60cm <p>iii. bi-caval femoral venous cannula</p> <ul style="list-style-type: none"> * overall length 76.2cm * tip length 60cm * bi-caval capability with optimized basket placement. * Size 27Fr and 29Fr models must enable right atrium occlusion and access <p>- Size Range:</p>			
4.60.1	15Fr			
	60.1 Multi-application	YEAR 1	YEAR 2	YEAR 3

	cannula for minimally invasive, femoral-femoral and/or femoral-jugular ECMO:				
	GSH	30	30	30	
	TBH	0	0	0	
	RXH	10	5	10	
4.60.2	17Fr				
	60.2 Multi-application cannula for minimally invasive, femoral-femoral and/or femoral-jugular ECMO:	YEAR 1	YEAR 2	YEAR 3	
	GSH	30	30	30	
	TBH	0	0	0	
	RXH	10	5	10	
4.60.3	19 Fr				
	60.3 Multi-application cannula for minimally invasive, femoral-femoral and/or femoral-jugular ECMO:	YEAR 1	YEAR 2	YEAR 3	
	GSH	50	50	50	
	TBH	5	5	5	
	RXH	10	5	10	
4.60.4	21 Fr				
	60.4 Multi-application cannula for minimally invasive, femoral-femoral and/or femoral-jugular ECMO:	YEAR 1	YEAR 2	YEAR 3	
	GSH	70	70	70	
	TBH	5	5	5	
	RXH	5	5	5	
4.60.5	23 Fr				
	60.5 Multi-application	YEAR 1	YEAR 2	YEAR 3	

	cannula for minimally invasive, femoral-femoral and/or femoral-jugular ECMO:				
	GSH	70	70	70	
	TBH	5	5	5	
	RXH	5	5	5	
4.60.6	25 Fr				
	60.6 Multi-application cannula for minimally invasive, femoral-femoral and/or femoral-jugular ECMO:	YEAR 1	YEAR 2	YEAR 3	
	GSH	70	70	70	
	TBH	5	5	5	
	RXH	0	0	0	
4.60.7	27 Fr				
	60.7 Multi-application cannula for minimally invasive, femoral-femoral and/or femoral-jugular ECMO:	YEAR 1	YEAR 2	YEAR 3	
	GSH	50	50	50	
	TBH	5	5	5	
	RXH	0	0	0	
4.60.8	29 Fr				
	60.8 Multi-application cannula for minimally invasive, femoral-femoral and/or femoral-jugular ECMO:	YEAR 1	YEAR 2	YEAR 3	
	GSH	30	30	30	
	TBH	0	0	0	
	RXH	0	0	0	
4.61.	Paediatric arterial ECMO cannula: - includes haemostasis cap and adjustable radiopaque suture ring - has a tapered solid-core and percutaneous-style introducer with				

	cannula/tubing retention clip - implores a tapered percutaneous-style 0.025 mm guidewire - tip length: 10-11.5cm - Size Range:				
4.61.1	13Fr				
	61.1 Paediatric arterial ECMO cannula	YEAR 1	YEAR 2	YEAR 3	
	GSH	0	0	0	
	TBH	0	0	0	
	RXH	10	10	10	
4.61.2	15Fr				
	61.2 Paediatric arterial ECMO cannula	YEAR 1	YEAR 2	YEAR 3	
	GSH	0	0	0	
	TBH	0	0	0	
	RXH	10	10	10	
4.61.3	17Fr				
	61.3 Paediatric arterial ECMO cannula	YEAR 1	YEAR 2	YEAR 3	
	GSH	0	0	0	
	TBH	0	0	0	
	RXH	10	10	10	
4.61.4	19 Fr				
	61.4 Paediatric arterial ECMO cannula	YEAR 1	YEAR 2	YEAR 3	
	GSH	0	0	0	
	TBH	0	0	0	
	RXH	10	10	10	
4.61.5	21 Fr				
	61.5 Paediatric arterial ECMO cannula	YEAR 1	YEAR 2	YEAR 3	

	GSH	0	0	0	
	TBH	0	0	0	
	RXH	10	10	10	
4.61.6	23 Fr				
	61.6 Paediatric arterial ECMO cannula	YEAR 1	YEAR 2	YEAR 3	
	GSH	0	0	0	
	TBH	0	0	0	
	RXH	5	5	5	
4.61.7	25 Fr				
	61.7 Paediatric arterial ECMO cannula	YEAR 1	YEAR 2	YEAR 3	
	25FR				
	GSH	0	0	0	
	TBH	0	0	0	
	RXH	5	5	5	
4.61.8	27 Fr				
	61.8 Paediatric arterial ECMO cannula	YEAR 1	YEAR 2	YEAR 3	
	GSH	0	0	0	
	TBH	0	0	0	
	RXH	0	0	0	
4.61.9	29 Fr				
	61.9 Paediatric arterial ECMO cannula	YEAR 1	YEAR 2	YEAR 3	
	GSH	0	0	0	
	TBH	0	0	0	
	RXH	0	0	0	
4.62.	<p>Paediatric venous ECMO cannula:</p> <ul style="list-style-type: none"> - radiopaque markings to assist in catheter insertion and placement and check placement on X-ray - includes haemostasis cap and adjustable radiopaque suture ring - has a tapered solid-core and percutaneous-style introducer with cannula/tubing retention clip 				

	<ul style="list-style-type: none"> - has reinforced side holes which support smooth insertion - tip length: 10-11.5cm - Size Range: 				
4.62.1	13 Fr				
	62.1 Paediatric venous ECMO cannula	YEAR 1	YEAR 2	YEAR 3	
	GSH	0	0	0	
	TBH	0	0	0	
	RXH	10	10	10	
4.62.2	15Fr				
	62.2 Paediatric venous ECMO cannula	YEAR 1	YEAR 2	YEAR 3	
	GSH	0	0	0	
	TBH	0	0	0	
	RXH	10	10	10	
4.62.3	17Fr				
	62.3 Paediatric venous ECMO cannula	YEAR 1	YEAR 2	YEAR 3	
	GSH	0	0	0	
	TBH	0	0	0	
	RXH	10	10	10	
4.62.4	19 Fr				
	62.4 Paediatric venous ECMO cannula	YEAR 1	YEAR 2	YEAR 3	
	GSH	0	0	0	
	TBH	0	0	0	
	RXH	10	10	10	
4.62.5	21 Fr				
	62.5 Paediatric venous ECMO cannula	YEAR 1	YEAR 2	YEAR 3	
	GSH				
	TBH				
	RXH				

	GSH	0	0	0	
	TBH	0	0	0	
	RXH	10	10	10	
4.62.6	23 Fr				
	62.6 Paediatric venous ECMO cannula	YEAR 1	YEAR 2	YEAR 3	
	GSH	0	0	0	
	TBH	0	0	0	
	RXH	10	10	10	
4.62.7	25 Fr				
	62.7 Paediatric venous ECMO cannula	YEAR 1	YEAR 2	YEAR 3	
	GSH	0	0	0	
	TBH	0	0	0	
	RXH	5	5	5	
4.62.8	27 Fr				
	62.8 Paediatric venous ECMO cannula	YEAR 1	YEAR 2	YEAR 3	
	GSH	0	0	0	
	TBH	0	0	0	
	RXH	0	0	0	
4.62.9	29 Fr				
	62.9 Paediatric venous ECMO cannula	YEAR 1	YEAR 2	YEAR 3	
	GSH	0	0	0	
	TBH	0	0	0	
	RXH	0	0	0	
4.63.	<p>Percutaneous Sheath Introducer for Distal Perfusion ECMO Cannula:</p> <ul style="list-style-type: none"> - designed for flexible vascular access - kink-resistant sheath introducer - easy insertion and handling - visible radiopaque tip 				

	<ul style="list-style-type: none"> - designed for multiple vascular applications - coil-wire design to allow the sheath to flex at any point in any direction without kinking or losing support - tapered dilator to provide reach ability to the contralateral leg and Superficial Femoral Artery (SFA) - able to navigate tortuous anatomies - smooth transition between the sheath and dilator to help prevent peel-back - hydrophilic surface to help facilitate smooth insertion - suitable for renal, carotid and transseptal procedures - colour-coded for convenience - tri-cusped lubricated hemostasis valve to ease passage of catheters and other devices through the sheath and to facilitate catheter manipulation with minimal bleed-back - each CP Set must include: <ul style="list-style-type: none"> * one sheath with integral side port/ haemostasis valve and attached 3-way stopcock * one 17 3/4" (45 cm) long dual purpose "J" tip spring-wire guide in holder with tip straightener * short-length sheath set has .021 diameter. and all others have .035" dia. wire guide * one vessel dilator with SnapLock™ Feature * one Obturator Cap * Size range from 5 Fr – 10 Fr and with varying sheath lengths: ranging from 11, 24, 45, 65 and 90 cm 																	
	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; padding: 5px;">63. Percutaneous sheath introducer for distal ECMO cannula</th> <th style="text-align: center; padding: 5px;">YEAR 1</th> <th style="text-align: center; padding: 5px;">YEAR 2</th> <th style="text-align: center; padding: 5px;">YEAR 3</th> </tr> </thead> <tbody> <tr> <td style="padding: 5px;">GSH</td> <td style="text-align: center; padding: 5px;">100</td> <td style="text-align: center; padding: 5px;">50</td> <td style="text-align: center; padding: 5px;">50</td> </tr> <tr> <td style="padding: 5px;">TBH</td> <td style="text-align: center; padding: 5px;">0</td> <td style="text-align: center; padding: 5px;">0</td> <td style="text-align: center; padding: 5px;">0</td> </tr> <tr> <td style="padding: 5px;">RXH</td> <td style="text-align: center; padding: 5px;">5</td> <td style="text-align: center; padding: 5px;">0</td> <td style="text-align: center; padding: 5px;">0</td> </tr> </tbody> </table>	63. Percutaneous sheath introducer for distal ECMO cannula	YEAR 1	YEAR 2	YEAR 3	GSH	100	50	50	TBH	0	0	0	RXH	5	0	0	
63. Percutaneous sheath introducer for distal ECMO cannula	YEAR 1	YEAR 2	YEAR 3															
GSH	100	50	50															
TBH	0	0	0															
RXH	5	0	0															
<p>4.64.</p>	<p>Cannulae Securing Band / Adhesive / Plaster / Tape / Tube (or similar):</p> <ul style="list-style-type: none"> - suitable for securing ECMO / CPB and similar cannulae in position on a patient from 5–40 Fr, parallel to patient's skin, either at the exit site or distal to the exit site - medical grade and hypoallergenic adhesive that promotes skin integrity and protects the skin - design (e.g. hook-and-loop or adjustable clamping mechanism) that allows for repositioning of and access to the cannula after securement - keeps the cannula close to the skin while promoting patient comfort 																	

		YEAR 1	YEAR 2	YEAR 3
	64. Cannulae securing band/adhesive / tape/tube			
	GSH	80	80	80
	TBH	0	0	0
	RXH	5	0	0
4.65.	<p>Adult ECMO Cannula:</p> <ul style="list-style-type: none"> - thin, kink resistant wall design to optimize flow rates - fingerlet-tip to create a no-step transition allowing for smooth insertion - biocompatible and biostable polyurethane/silicone co-polymer material - Able to be used for VA and VV (femoral-femoral or femoral-jugular cannulation) ECMO or ECLS - Return cannula: range up to 18 cm insertion length with side holes near tip - Drainage cannula: 50 or 55 cm lengths, to assist in targeted vascular locations. Depth Markings for visualizing insertion length. Smooth transitions with tapered tip design. Supports tracking over the guidewire, long-tapered introducer facilitates placement - Insertion length range from 10 - 61 cm <p>French sizes 9 to 29</p>			
4.65.1	9Fr			
	65.1 Adult ECMO Cannula (return 18cm, drainage 50-55cm)			
	GSH	5	5	5
	TBH	0	0	0
	RXH	5	5	5
4.65.2	11 Fr			
	65.2 Adult ECMO Cannula (return 18cm, drainage 50-55cm)			
	GSH	5	5	5
	TBH	0	0	0

	RXH	5	5	5	
4.65.3	13 Fr				
	65.3 Adult ECMO Cannula (return 18cm, drainage 50-55cm)	YEAR 1	YEAR 2	YEAR 3	
	GSH	5	5	5	
	TBH	0	0	0	
	RXH	5	5	5	
4.65.4	15 Fr				
	65.4 Adult ECMO Cannula (return 18cm, drainage 50-55cm)	YEAR 1	YEAR 2	YEAR 3	
	15FR				
	GSH	5	5	5	
	TBH	0	0	0	
	RXH	5	5	5	
4.65.5	17 Fr				
	65.5 Adult ECMO Cannula (return 18cm, drainage 50-55cm)	YEAR 1	YEAR 2	YEAR 3	
	GSH	30	30	30	
	TBH	0	0	0	
	RXH	5	5	5	
4.65.6	19 Fr				
	65.6 Adult ECMO Cannula (return 18cm, drainage 50-55cm)	YEAR 1	YEAR 2	YEAR 3	
	GSH	35	35	35	
	TBH	0	0	0	
	RXH	5	5	5	
4.65.7	21 Fr				

		YEAR 1	YEAR 2	YEAR 3	
	65.7 Adult ECMO Cannula (return 18cm, drainage 50-55cm)				
	GSH	35	35	35	
	TBH	0	0	0	
	RXH	5	5	5	
4.65.8	23 Fr				
	65.8 Adult ECMO Cannula (return 18cm, drainage 50-55cm)				
	GSH	30	30	30	
	TBH	0	0	0	
	RXH	5	0	0	
4.65.9	25 Fr				
	65.9 Adult ECMO Cannula (return 18cm, drainage 50-55cm)				
	GSH	30	30	30	
	TBH	0	0	0	
	RXH	0	0	0	
4.65.10	27 Fr				
	65.10 Adult ECMO Cannula (return 18cm, drainage 50-55cm)				
	GSH	20	20	20	
	TBH	0	0	0	
	RXH	0	0	0	
4.65.11	29 Fr				
	65.11 Adult ECMO Cannula (return 18cm, drainage 50-				

	55cm)				
	GSH	20	20	20	
	TBH	0	0	0	
	RXH	0	0	0	
4.66.	Intracoronary Shunt: - silicone body with tapered tips - radiopaque tips and tags - single-packed, sterile Size Range –				
4.66.1	1.00mm shunt and 14mm between the bulbs				
	66.1 Intracoronary shunt	YEAR 1	YEAR 2	YEAR 3	
	GSH	20	20	20	
	TBH	30	30	30	
	RXH	5	5	5	
4.66.2	1.25mm shunt and 14mm between the bulbs				
	66.2 Intracoronary shunt	YEAR 1	YEAR 2	YEAR 3	
	GSH	30	30	30	
	TBH	30	30	30	
	RXH	5	5	5	
4.66.3	1.50mm shunt and 14mm between the bulbs				
	66.3 Intracoronary shunt	YEAR 1	YEAR 2	YEAR 3	
	GSH	30	30	30	
	TBH	30	30	30	
	RXH	5	5	5	
4.66.4	2.00mm shunt and 14mm between the bulbs				
	66.4 Intracoronary shunt	YEAR 1	YEAR 2	YEAR 3	
	GSH	30	30	30	

	TBH	30	30	30	
	RXH	0	0	0	
4.66.5	2.25mm shunt and 14mm between the bulbs				
	66.5 Intracoronary shunt	YEAR 1	YEAR 2	YEAR 3	
	GSH	30	30	30	
	TBH	30	30	30	
	RXH	0	0	0	
4.66.6	2.50mm shunt and 14mm between the bulbs.				
	66.6 Intracoronary shunt	YEAR 1	YEAR 2	YEAR 3	
	GSH	30	30	30	
	TBH	30	30	30	
	RXH	0	0	0	
4.67.	Coronary artery retraction clip: - single piece of stainless-steel wire - shaped in unique spring - coated with soft polymer - single-packed, sterile Two Sizes –				
4.67.1	3mm prong length				
	67.1 Coronary artery retraction clip:	YEAR 1	YEAR 2	YEAR 3	
	GSH	35	35	35	
	TBH	100	100	100	
	RXH	5	5	5	
4.67.2	5mm prong length				
	67.2 Coronary artery retraction clip:	YEAR 1	YEAR 2	YEAR 3	
	GSH	0	0	0	
	TBH	150	150	150	
	RXH	5	5	5	

4.68.	Stabilizers for off-pump coronary artery surgery: Two Types –				
4.68.1	Tissue Stabilizer - enhances visibility at the anastomotic site) - automatic pod spread for effective visualisation of the anastomotic site - secure arm for maximum stabilization - flexibility to enables unlimited positioning options - simple, secure, one-handed attachment of clamp to the retractor - surgeon-controlled - turret assembly				
	68.1 Tissue Stabilizer	YEAR 1	YEAR 2	YEAR 3	
	GSH	10	10	10	
	TBH	20	20	20	
	RXH	0	0	0	
4.68.2	Heart Positioner - enhances visibility at the anastomotic site and gives optimal access to vessels) - clamp design provides increased stability of the positioner on the retractor - ability to apply the retractor with a single-handed technique allowing for ease of setup - multi-appendage silicone suction cup - malleable foot conforming to heart - vacuum tubing flexibility				
	68.2 Heart Positioner	YEAR 1	YEAR 2	YEAR 3	
	GSH	5	5	5	
	TBH	20	20	20	
	RXH	0	0	0	
4.69.	Pigtail measuring catheter: - suitable for intravascular measurement - can also be used as a flush-catheter - 110cm length - size 5F (1.67mm) - 8 side holes - measuring length of 22 cm				

	<ul style="list-style-type: none"> - 0.35 inch - up to a burst pressure of 1050PSI - flow rate of 12ml/sec - high radiopacity - single-packed, sterile 				
	69. Pigtail measuring catheter:	YEAR 1	YEAR 2	YEAR 3	
	GSH	50	50	50	
	TBH	40	40	40	
	RXH	0	0	0	
4.70.	Bovine Pericardial Patch: <ul style="list-style-type: none"> - intended for surgical use in cardiac and vascular surgery - sterile, single-packed - strong and pliable, yet not overly thick (+/- 0.5mm thickness) - biocompatible - stored in appropriate solution - preferably not require refrigerated storage – please state - preferably no rinsing required – please state Size options –				
4.70.1	2cm x 4cm or similar (please state)				
	70.1 Bovine Pericardial Patch	YEAR 1	YEAR 2	YEAR 3	
	GSH	0	0	0	
	TBH	10	10	10	
	RXH	0	0	0	
4.70.2	4cm x 5cm or similar (please state)				
	70.2 Bovine Pericardial Patch	YEAR 1	YEAR 2	YEAR 3	
	4cm x 5cm or similar (please state)				
	GSH	100	100	100	
	TBH	20	20	20	
	RXH	400	350	350	

4.70.3	10cm x 6cm or similar (please state)			
	70.3 Bovine Pericardial Patch	YEAR 1	YEAR 2	YEAR 3
	GSH	100	100	100
	TBH	20	20	20
	RXH	300	250	250
4.70.4	9cm x 15cm or similar (please state)			
	70.4 Bovine Pericardial Patch	YEAR 1	YEAR 2	YEAR 3
	GSH	5	5	5
	TBH	20	20	20
	RXH	0	0	0
4.71.	<p>Blood administration filter:</p> <ul style="list-style-type: none"> - suitable for rapid transfusion of blood products into the CPB circuit - medical-grade outer plastic housing with 40um (forty micron) screen filter inside - 180 cm² of total filter area (or close) - ¼" connection site at bottom - standard tapered fluid administration spike at top compatible with most conventional blood bags - single-packed, sterile 			
	71. Blood administration filter:	YEAR 1	YEAR 2	YEAR 3
	GSH	100	100	100
	TBH	20	20	20
	RXH	100	100	100
4.72.	<p>Crystalloid-Colloid fluid administration filter:</p> <ul style="list-style-type: none"> - suitable for rapid transfusion of crystalloid or colloid solutions into the CPB circuit - medical-grade outer plastic housing with 0,2um (0,2 micron) screen filter inside, capable of removing particulate debris, microbial contaminants and endotoxins in intravenous fluids - ¼" connection site at bottom - standard tapered fluid administration spike at top compatible with most conventional intravenous fluid bags - single-packed, sterile 			

		YEAR 1	YEAR 2	YEAR 3
	72. Crystalloid-Colloid fluid administration filter (0.2micron)			
	GSH	100	100	100
	TBH	20	20	20
	RXH	100	100	100
4.73.	Heavy Tubing Clamps: - stainless Steel - serrated jaws - with tubing guard Two sizes –			
4.73.1	15cm length			
	73.1 Heavy Tubing Clamps:	YEAR 1	YEAR 2	YEAR 3
	GSH	40	40	40
	TBH	5	5	5
	RXH	40	40	40
4.73.2	20cm length			
	73.2 Heavy Tubing Clamps:	YEAR 1	YEAR 2	YEAR 3
	GSH	40	40	40
	TBH	5	5	5
	RXH	40	40	40
4.74.	Oxygenators for cardiopulmonary bypass in children: – 5 “sizes” / “flow capabilities”:			
4.74.1	Neonate: - hard-shell reservoir with heater-cooler compartment and membrane oxygenator all included - flow-compatibility from 0-800ml/minute - lower oxygenator priming volume in comparison to other models available for the same flow range (< 50ml is preferable) - biocompatible coating (specify) - VAVD – compatible; integrated positive pressure relief valve - manufacturer-determined trans-membrane pressure drop of less than ≤100mmHg at 50% of the maximum rated flow – Note: comparable options will be scrutinised and the lower TMP preferred - microporous / Hollow-fibre design			

	- ¼-inch arterial outlet clearly visible with the oxygenator in situ in the holder			
4.74.1.1	Integrated arterial filter (40um – forty micron) design			
	74.1.1 Neonate	YEAR 1	YEAR 2	YEAR 3
	GSH	0	0	0
	TBH	5	5	5
	RXH	200	200	300
4.74.1.2	Non-integrated arterial filter design			
	74.1.2 Neonate	YEAR 1	YEAR 2	YEAR 3
	GSH	0	0	0
	TBH	15	15	15
	RXH	150	150	200
4.74.2	<p>Infant:</p> <ul style="list-style-type: none"> - hard-shell reservoir with heater-cooler compartment and membrane oxygenator all included. - flow-compatibility from 900ml/min - 2litres/minute - lower oxygenator priming volume in comparison to other models available for the same flow range (< 50ml is preferable) - biocompatible coating (specify) - VAVD – compatible; integrated positive pressure relief valve - manufacturer-determined trans-membrane pressure drop of less than ≤100mmHg at 50% of the maximum rated flow – Note: comparable options will be scrutinised and the lower TMP preferred - microporous / Hollow-fibre design - ¼-inch arterial outlet clearly visible with the oxygenator in situ in the holder <p>Two Types with respect to arterial filter –</p>			
4.74.2.1	Integrated arterial filter (40um – forty micron) design			
	74.2.1 Infant 900ml/min- 2L/min	YEAR 1	YEAR 2	YEAR 3
	GSH	0	0	0
	TBH	15	15	15
	RXH	200	200	250
4.74.2.2	Non-integrated arterial filter design			
	74.2.2 Infant 900ml/min-	YEAR 1	YEAR 2	YEAR 3

2L/min				
	GSH	0	0	0
	TBH	20	20	20
	RXH	300	250	300
4.74.3	Intermediate: - hard-shell reservoir with heater-cooler compartment and membrane oxygenator all included. - flow-compatibility from 2 – 3,5 litres/minute - lower oxygenator priming volume in comparison to other models available for the same flow range (< 100ml is preferable) - biocompatible coating (specify) - VAVD – compatible; integrated positive pressure relief valve - manufacturer-determined trans-membrane pressure drop of less than ≤100mmHg at 50% of the maximum rated flow – Note: comparable options will be scrutinised and the lower TMP preferred - microporous / Hollow-fibre design - ¼-inch arterial outlet clearly visible with the oxygenator in situ in the holder Two Types with respect to arterial filter - with tubing guard Two sizes –			
4.74.3.1	Integrated arterial filter (40micron)			
	74.3.1 Integrated arterial filter (40micron)	YEAR 1	YEAR 2	YEAR 3
	GSH	0	0	0
	TBH	40	40	40
	RXH	150	70	100
4.74.3.2	Non-integrated arterial filter			
	74.3.2 Non-integrated arterial filter	YEAR 1	YEAR 2	YEAR 3
	GSH	0	0	0
	TBH	40	40	40
	RXH	80	50	80
4.74.	Paediatric:			

	<ul style="list-style-type: none"> - hardshell reservoir with heater-cooler compartment and membrane oxygenator all included. Flow-compatibility from 3 - 6 litres/minute - lower oxygenator priming volume in comparison to other models available for the same flow range (< 150ml is preferable) - biocompatible coating (specify) - VAVD – compatible; integrated positive pressure relief valve - manufacturer-determined trans-membrane pressure drop of less than ≤ 100mmHg at 50% of the maximum rated flow – Note: comparable options will be scrutinised and the lower TMP preferred - microporous / Hollow-fibre design - 3/8-inch arterial outlet clearly visible with the oxygenator in situ in the holder <p>Two Types with respect to arterial filter</p>				
4.74.4.1	Integrated arterial filter (40um – forty micron) design				
	74.4.1 Paediatric 2.5-6L/min	YEAR 1	YEAR 2	YEAR 3	
	GSH	0	0	0	
	TBH	40	40	40	
	RXH	150	80	200	
4.74.4.2	Non-integrated arterial filter design				
	74.4.2 Paediatric 2.5-6L/min	YEAR 1	YEAR 2	YEAR 3	
	GSH	0	0	0	
	TBH	40	40	40	
	RXH	150	80	200	
4.75.	Paediatric Blood cardioplegia sets:				
	Custom made as per RCWMCH and TBH requirements:				
4.75.1	Tri Cardioplegia System:				
	Custom made as per RCWMCH requirements:				
	- see diagram 2 under Appendix C				
	- biocompatible coating (specify)				
	75.1 Paediatric Blood CPS	YEAR 1	YEAR 2	YEAR 3	

	GSH	0	0	0	
	TBH	0	0	0	
	RXH	150	100	150	
4.75.2	Paediatric Cardioplegia set:				
	Custom made as per TBH requirements:				
	- see diagram 6 under appendix B				
	75.2 Paediatric Blood CPS	YEAR 1	YEAR 2	YEAR 3	
	GSH	0	0	0	
	TBH	60	60	60	
	RXH	0	0	0	
4.76.	Custom Paediatric tubing packs:				
	Custom made as per RXWMCH and TBH requirements:				
	RCWMCH Hemoconcentrator Pump Lines:				
	- custom made as per RCWMCH requirements				
	- see diagram 3 under Appendix C				
4.76.1	76.1 Custom Paediatric tubing packs	YEAR 1	YEAR 2	YEAR 3	
	GSH	0	0	0	
	TBH	0	0	0	
	RXH	100	50	100	
4.76.2	RCWMCH Infant tubing pack with arterial filter + hemoc:				
	- custom made as per RCWMCH requirements				
	- see diagram 4 under Appendix C				
	76.2 Custom Paediatric tubing packs	YEAR 1	YEAR 2	YEAR 3	
	GSH	0	0	0	
	TBH	0	0	0	
	RXH	250	200	250	
4.76.3	RCWMCH Infant tubing pack without arterial filter + hemoc:				
	- custom made as per RCWMCH requirements				
	- see diagram 5 under Appendix C				
	76.3 Custom	YEAR 1	YEAR 2	YEAR 3	

	Paediatric tubing packs				
	GSH	0	0	0	
	TBH	0	0	0	
	RXH	80	80	80	
4.76.4	RCWMCH Intermediate tubing pack with arterial filter + hemoc: - custom made as per RCWMCH requirements - see diagram 6 under Appendix C				
	76.4 Custom Paediatric tubing packs	YEAR 1	YEAR 2	YEAR 3	
	GSH	0	0	0	
	TBH	0	0	0	
	RXH	120	80	120	
4.76.5	RCWMCH Intermediate tubing pack without arterial filter + hemoc: - custom made as per RCWMCH requirements - see diagram 7 under Appendix C				
	76.5 Custom Paediatric tubing packs	YEAR 1	YEAR 2	YEAR 3	
	GSH	0	0	0	
	TBH	0	0	0	
	RXH	80	80	80	
4.76.6	RCWMCH Paediatric tubing pack with arterial filter + hemoc: - custom made as per RCWMCH requirements - see diagram 8 under Appendix C				
	76.6 Custom Paediatric tubing packs	YEAR 1	YEAR 2	YEAR 3	
	GSH	0	0	0	
	TBH	0	0	0	
	RXH	80	80	80	
4.76.7	RWMCH Paediatric tubing pack without arterial filter + hemoc: - custom made as per RCWMCH requirements - see diagram 9 under Appendix C				
	76.7 Custom Paediatric	YEAR 1	YEAR 2	YEAR 3	

	tubing packs				
	GSH	0	0	0	
	TBH	0	0	0	
	RXH	50	50	50	
4.76.8	TBH Paediatric tubing pack: - custom made as per TBH requirements - see diagram 7 under Appendix B)				
	76.8 Custom Paediatric tubing packs	YEAR 1	YEAR 2	YEAR 3	
	GSH	0	0	0	
	TBH	60	60	60	
	RXH	0	0	0	
4.77.	Paediatric vent catheter: - non-vented ¼" connection on the end - PVC / silicone - includes malleable introducer - weighted, perforated soft tip - 10Fr (3.3mmm)				
	77. Paediatric vent catheter (10Fr)	YEAR 1	YEAR 2	YEAR 3	
	GSH	0	0	0	
	TBH	60	60	60	
	RXH	250	200	300	
4.78	Paediatric top sucker / pericardial sump (12Fr) spring-wound for optimal suction - weighted tip - ¼" slip connector - 12 Fr (4.0mm)				
	78. Paediatric top sucker / pericardial sump (12Fr)	YEAR 1	YEAR 2	YEAR 3	
	GSH	0	0	0	
	TBH	60	60	60	

	RXH	150	100	100	
4.79.	Arteriotomy Cannulae: - polyurethane tube with a bulb-shaped radiopaque tip connected to a female luer - 3.3cm length - fluted pool tip Two Sizes –				
4.79.1	2mm				
	79.1 Arteriotomy Cannulae	YEAR 1	YEAR 2	YEAR 3	
	GSH	0	0	0	
	TBH	100	100	100	
	RXH	60	40	80	
4.79.2	3mm				
	79.2 Arteriotomy Cannulae	YEAR 1	YEAR 2	YEAR 3	
	GSH	0	0	0	
	TBH	100	100	100	
	RXH	60	40	80	
4.80.	Paediatric Aortic Root Needle with Vent: - aortic root cannula and vent line - standard tip with flow-guard introducer 3 Sizes –				
4.80.1	18 Ga, 4Fr				
	80.1 Paediatric aortic root needle with vent	YEAR 1	YEAR 2	YEAR 3	
	GSH	0	0	0	
	TBH	40	40	40	
	RXH	300	250	250	
4.80.2	16Ga, 5Fr				

	80.2 Paediatric aortic root needle with vent	YEAR 1	YEAR 2	YEAR 3	
	GSH	0	0	0	
	TBH	60	60	60	
	RXH	100	100	100	
4.80.3	14Ga, 7Fr				
	80.3 Paediatric aortic root needle with vent	YEAR 1	YEAR 2	YEAR 3	
	GSH	0	0	0	
	TBH	60	60	60	
	RXH	100	100	100	
4.81.	Paediatric Retrograde Cardioplegia cannula: - self-inflating balloon - textured balloon 3 Sizes –				
4.81.1	6Fr				
	81. Paediatric retrograde CPS cannula	YEAR 1	YEAR 2	YEAR 3	
	6FR				
	GSH	0	0	0	
	TBH	10	10	10	
	RXH	10	10	10	
4.81.2	10Fr				
	81.2 Paediatric retrograde CPS cannula	YEAR 1	YEAR 2	YEAR 3	
	GSH	0	0	0	
	TBH	10	10	10	
	RXH	10	10	10	
4.81.3	15Fr				
	81.3 Paediatric retrograde CPS	YEAR 1	YEAR 2	YEAR 3	

cannula				
	GSH	0	0	0
	TBH	20	20	20
	RXH	10	10	10
4.82.	Straight-tip aortic arterial cannula: - bevelled, thin wall tips attached to tapered cannula bodies - vented connector - plug / cap on cannula included - adjustable haemostasis introducer system - depth markings - approx. 18-23cm length 6 Sizes - Connection site ¼ inch or 3/8 inch (as stipulated)			
4.82.1	8Fr (Connection site ¼ inch)			
	82.1 Straight-tip one-piece aortic arterial cannula	YEAR 1	YEAR 2	YEAR 3
	82.1 8FR			
	GSH	0	0	0
	TBH	20	20	20
	RXH	80	20	40
4.82.2	10Fr (Connection site ¼ inch)			
	82.2 Straight-tip one-piece aortic arterial cannula	YEAR 1	YEAR 2	YEAR 3
	82.2 10FR			
	GSH	0	0	0
	TBH	20	20	20
	RXH	80	20	40
4.82.3	12Fr (Connection site ¼ inch)			
	82.3 Straight-tip one-piece aortic arterial cannula	YEAR 1	YEAR 2	YEAR 3
	82.3 12FR			

	GSH	0	0	0	
	TBH	40	40	40	
	RXH	80	20	40	
4.82.4	14Fr (Connection site ¼ inch)				
	82.4 Straight-tip one-piece aortic arterial cannula	YEAR 1	YEAR 2	YEAR 3	
	82.4 14FR				
	GSH	0	0	0	
	TBH	40	40	40	
	RXH	80	20	40	
4.82.5	16Fr (Connection site ¼ inch)				
	82.5 Straight-tip one-piece aortic arterial cannula	YEAR 1	YEAR 2	YEAR 3	
	82.5 16FR				
	GSH	0	0	0	
	TBH	60	60	60	
	RXH	80	20	40	
4.82.6	16Fr (Connection site 3/8 inch)				
	82.6 Straight-tip one-piece aortic arterial cannula	YEAR 1	YEAR 2	YEAR 3	
	82.6 16FR				
	GSH	0	0	0	
	TBH	60	60	60	
	RXH	80	20	40	
4.83.	Angled Aortic arterial cannula: - 135° curved / angled tips with suture collar - tapered, one piece, kink resistant wire wound bodies - approx. 22cm length - ¼" or 3/16" connection site (size -dependent) - excluding connector Size range –				

4.83.1	6Fr (2.0mm)			
	83.1 Angled aortic arterial cannula	YEAR 1	YEAR 2	YEAR 3
	83.1 6FR (2.0mm)			
	GSH	0	0	0
	TBH	20	20	20
	RXH	100	80	80
4.83.2	8Fr (2.6mm)			
	83.2 Angled aortic arterial cannula	YEAR 1	YEAR 2	YEAR 3
	83.2 8FR (2.6MM)			
	GSH	0	0	0
	TBH	20	20	20
	RXH	100	80	80
4.83.3	9/10Fr (3.0 / 3.3mm)			
	83.3 Angled aortic arterial cannula	YEAR 1	YEAR 2	YEAR 3
	83.3 9/10Fr (3.0 /3.3mm)			
	GSH	0	0	0
	TBH	20	20	20
	RXH	100	80	80
4.83.4	12Fr (3.8 / 4.0mm)			
	83.4 Angled aortic arterial cannula	YEAR 1	YEAR 2	YEAR 3
	83.4 12Fr (3.8 / 4.0mm)			
	GSH	0	0	0
	TBH	40	40	40
	RXH	100	80	80
4.83.5	14Fr (4.5mm)			
	83.5 Angled aortic arterial cannula	YEAR 1	YEAR 2	YEAR 3
	83.5			

	14Fr (4.5mm)			
	GSH	0	0	0
	TBH	40	40	40
	RXH	100	80	80
4.83.6	16Fr (5.3mm)			
	83.6 Angled aortic arterial cannula	YEAR 1	YEAR 2	YEAR 3
	83.6 16Fr (5.3mm)			
	GSH	0	0	0
	TBH	40	40	40
	RXH	100	80	80
4.84.	Elongated arterial cannula: - cannula with thin wall tips with elongated, one piece, kink resistant wire-wound body - with introducer and hemostasis cap - depth markings and adjustable radiopaque suture ring - +/- 30,5cm length - includes blunt tip introducer without guidewire - ¼" vented connector included 3 Sizes –			
4.84.1	6Fr			
	84.1 Elongated arterial cannula	YEAR 1	YEAR 2	YEAR 3
	84.1 6FR			
	GSH	0	0	0
	TBH	20	20	20
	RXH	10	10	10
4.84.2	8Fr			
	84.2 Elongated arterial cannula	YEAR 1	YEAR 2	YEAR 3
	84.2 8FR			
	GSH	0	0	0
	TBH	20	20	20
	RXH	10	10	10
4.84.3	10Fr			

84.3 Elongated arterial cannula		YEAR 1	YEAR 2	YEAR 3
84.3 10FR				
GSH		0	0	0
TBH		40	40	40
RXH		10	10	10
4.85.	Arterial cannula for minimally Invasive surgery (MICS) and / or Arterial cannula for alternate / additional arterial cannulation, such as axillary and subclavian: - has an introducer with blunt tip configuration - vent cap to reduce back-bleed when no guidewire is used in the procedure - depth markings to aid in placement Size range –			
4.85.1	8Fr			
85.1 Arterial cannula MICS / peripheral cannulation		YEAR 1	YEAR 2	YEAR 3
GSH		0	0	0
TBH		0	0	0
RXH		5	5	5
4.85.2	10Fr			
85.2 Arterial cannula MICS / peripheral cannulation		YEAR 1	YEAR 2	YEAR 3
GSH		0	0	0
TBH		0	0	0
RXH		5	5	5
4.85.3	12Fr			
85.3 Arterial cannula MICS / peripheral cannulation		YEAR 1	YEAR 2	YEAR 3
GSH		0	0	0
TBH		0	0	0

	RXH	10	10	10	
4.85.4	14Fr				
	85.4 Arterial cannula MICS / peripheral cannulation	YEAR 1	YEAR 2	YEAR 3	
	GSH	0	0	0	
	TBH	0	0	0	
	RXH	10	10	10	
4.85.5	16Fr				
	85.5 Arterial cannula MICS / peripheral cannulation	YEAR 1	YEAR 2	YEAR 3	
	GSH	0	0	0	
	TBH	0	0	0	
	RXH	10	10	10	
4.85.6	18Fr				
	85.6 Arterial cannula MICS / peripheral cannulation	YEAR 1	YEAR 2	YEAR 3	
	GSH	0	0	0	
	TBH	0	0	0	
	RXH	10	10	10	
4.85.7	20Fr				
	85.7 Arterial cannula MICS / peripheral cannulation	YEAR 1	YEAR 2	YEAR 3	
	GSH	0	0	0	
	TBH	0	0	0	
	RXH	10	10	10	
4.86.	<p>Single stage right-angled metal Tip venous cannula:</p> <ul style="list-style-type: none"> - one-piece, kink resistant, wire-reinforced body - right-angled metal tip: bevelled with multi-ports - body includes tip orientation line 				

		- 1/4-inch Connector		
		6 Sizes –		
4.86.1	12Fr			
	86.1 Single Stage right angled metal tip venous cannula	YEAR 1	YEAR 2	YEAR 3
	GSH	0	0	0
	TBH	40	40	40
	RXH	150	150	150
4.86.2	14Fr			
	86.2 Single Stage right angled metal tip venous cannula	YEAR 1	YEAR 2	YEAR 3
	GSH	0	0	0
	TBH	40	40	40
	RXH	180	180	180
4.86.3	16Fr			
	86.3 Single Stage right angled metal tip venous cannula	YEAR 1	YEAR 2	YEAR 3
	GSH	0	0	0
	TBH	80	80	80
	RXH	180	180	180
4.86.4	18Fr			
	86.4 Single Stage right angled metal tip venous cannula	YEAR 1	YEAR 2	YEAR 3
	GSH	0	0	0
	TBH	100	100	100
	RXH	180	180	180

4.86.5	20Fr			
	86.5 Single Stage right angled metal tip venous cannula	YEAR 1	YEAR 2	YEAR 3
	GSH	0	0	0
	TBH	100	100	100
	RXH	180	180	180
4.87.	Venous cannula for minimally invasive surgery (MICS): - polyurethane thin-walled body with wire reinforcement - dilator can lock in full extended position for smooth insertion - radiopaque, tapered tip - ¼-inch connection site - 10-15cm length range Size range –			
4.87.1	8Fr			
	87.1 Venous cannula MICS	YEAR 1	YEAR 2	YEAR 3
	GSH	0	0	0
	TBH	0	0	0
	RXH	10	10	10
4.87.2	10Fr			
	87.2 Venous cannula MICS	YEAR 1	YEAR 2	YEAR 3
	GSH	0	0	0
	TBH	0	0	0
	RXH	10	10	10
4.87.3	12Fr			
	87.3 Venous cannula MICS	YEAR 1	YEAR 2	YEAR 3
	GSH	0	0	0
	TBH	0	0	0
	RXH	10	10	10

4.87.4	14Fr			
	87.4 Venous cannula MICS	YEAR 1	YEAR 2	YEAR 3
	GSH	0	0	0
	TBH	0	0	0
	RXH	10	10	10
4.88.	<p>Straight single stage venous cannula:</p> <ul style="list-style-type: none"> - one piece, kink resistant, wire-wound body with tapered, multi-port tip - multiple port tip design - open lighthouse tip +/- 30 - 40 cm overall length - connection site 1/4-inch or 3/8- inch as stipulated Size range - 			
4.88.1	12 Fr - 1/4" acceptance			
	88.1 Straight single stage venous cannula	YEAR 1	YEAR 2	YEAR 3
	GSH	0	0	0
	TBH	60	60	60
	RXH	180	180	180
4.88.2	14 Fr - 1/4" acceptance			
	88.2 Straight single stage venous cannula	YEAR 1	YEAR 2	YEAR 3
	GSH	0	0	0
	TBH	60	60	60
	RXH	200	200	200
4.88.3	16 Fr - 1/4" acceptance			
	88.3 Straight single stage venous cannula	YEAR 1	YEAR 2	YEAR 3
	GSH	0	0	0
	TBH	100	100	100

	RXH	200	200	200	
4.88.4	18 Fr - 1/4" acceptance				
	88.4 Straight single stage venous cannula	YEAR 1	YEAR 2	YEAR 3	
	GSH	0	0	0	
	TBH	100	100	100	
	RXH	200	200	200	
4.88.5	18 Fr - 3/8" acceptance				
	88.5 Straight single stage venous cannula	YEAR 1	YEAR 2	YEAR 3	
	GSH	0	0	0	
	TBH	100	100	100	
	RXH	200	200	200	
4.88.6	20 Fr - 1/4" acceptance				
	88.6 Straight single stage venous cannula	YEAR 1	YEAR 2	YEAR 3	
	GSH	0	0	0	
	TBH	100	100	100	
	RXH	200	200	200	
4.88.7	20 Fr - 3/8" acceptance				
	88.7 Straight single stage venous cannula	YEAR 1	YEAR 2	YEAR 3	
	GSH	0	0	0	
	TBH	100	100	100	
	RXH	200	200	200	
4.88.8	22 Fr - 1/4" acceptance				
	88.8 Straight single stage venous cannula	YEAR 1	YEAR 2	YEAR 3	
	GSH	0	0	0	
	TBH	100	100	100	
	RXH	180	180	180	

4.88.9	22 Fr - 3/8" acceptance			
	88.9 Straight single stage venous cannula	YEAR 1	YEAR 2	YEAR 3
	GSH	0	0	0
	TBH	100	100	100
	RXH	180	180	180
4.88.10	24 Fr - 1/4" acceptance			
	88.10 Straight single stage venous cannula	YEAR 1	YEAR 2	YEAR 3
	GSH	0	0	0
	TBH	100	100	100
	RXH	180	180	180
4.88.11	24 Fr - 3/8" acceptance			
	88.11 Straight single stage venous cannula	YEAR 1	YEAR 2	YEAR 3
	GSH	0	0	0
	TBH	100	100	100
	RXH	200	200	200
4.88.12	26 Fr - 3/8" acceptance			
	88.12 Straight single stage venous cannula	YEAR 1	YEAR 2	YEAR 3
	GSH	0	0	0
	TBH	100	100	100
	RXH	180	180	180
4.89.	Porous Vent Plugs (for arterial cannulae):			
	<ul style="list-style-type: none"> - arterial cannula vent plug - porous - ¼-inch 			
	89 Porous vent plug for arterial cannula	YEAR 1	YEAR 2	YEAR 3

	GSH	0	0	0	
	TBH	300	300	300	
	RXH	350	350	350	
4.90.	Percutaneous insertion kit for paediatric venous ECMO cannula: - multi-dilators – 10-18Fr - 0.038inch J-tip guidewire +/-60cm - guidewire advancer - needle - small blade - 10cc syringe				
	Percutaneous insertion kit for paediatric venous ECMO cannula (10-18Fr)	YEAR 1	YEAR 2	YEAR 3	
	GSH	0	0	0	
	TBH	0	0	0	
	RXH	5	5	5	
4.91.	Dual-lumen / Bi-caval (Venovenous) paediatric ECMO cannula: - radiopaque markings to assist in catheter insertion and placement and check placement on X-ray - tapered introducer tip - catheter tip reinforced - depth marks to optimize insertion - silicon and polyurethane materials - biocompatible - 11cm length - ¼-inch connection - approval of 30 days' application time - state if percutaneous insertion kit is included or not				
4.91.1	12Fr / 13Fr				
	91.1 Dual-lumen / Bi-caval (veno-veno) paediatric ECMO cannula	YEAR 1	YEAR 2	YEAR 3	

	GSH	0	0	0
	TBH	0	0	0
	RXH	5	5	5
4.91.2	14Fr / 15Fr			
	91.2 Dual-lumen / Bi-caval (veno-veno) paediatric ECMO cannula	YEAR 1	YEAR 2	YEAR 3
	GSH	0	0	0
	TBH	0	0	0
	RXH	5	5	5
4.91.3	16Fr / 17Fr			
	91.3 Dual-lumen / Bi-caval (veno-veno) paediatric ECMO cannula	YEAR 1	YEAR 2	YEAR 3
	GSH	0	0	0
	TBH	0	0	0
	RXH	5	5	5
4.91.4	18Fr / 19Fr			
	91.4 Dual-lumen / Bi-caval (veno-veno) paediatric ECMO cannula	YEAR 1	YEAR 2	YEAR 3
	GSH	0	0	0
	TBH	0	0	0
	RXH	5	5	5
4.92.	Percutaneous insertion kit for dual-lumen paediatric ECMO Cannula (if not included with cannula):			
	As corresponds with size of Dual-lumen cannula selected, includes:			
	- needle			
	- multiple dilators – 12-22Fr (range could be available over 2-3 different insertion kit options)			
	- 0.038" guidewire – 50-100cm (range could be available over 2-3 different insertion kit options)			

	- blade			
	92. Percutaneous kit for dual-lumen Paediatric ECMO cannula (12-22Fr, 50-100cm)	YEAR 1	YEAR 2	YEAR 3
	GSH	0	0	0
	TBH	0	0	0
	RXH	5	5	5
4.93.	TBH Paediatric Hemoconcentrator Kit: - as per TBH requirements - see diagram 8 of Appendix B			
	93. TBH Paediatric hemocon kit	YEAR 1	YEAR 2	YEAR 3
	GSH	0	0	0
	TBH	100	100	100
	RXH	0	0	0
4.94.	S5 Stockert Heart-Lung Machine Disposable transducers:			
4.94.1	Sole proprietary Logical Dome with male/female luer lock - sterile, single-packed, single use			
	94.1 S5 Stockert HLM disposable transducers	YEAR 1	YEAR 2	YEAR 3
	GSH	200	150	200
	TBH	55	55	55
	RXH	150	50	150
4.94.2	Sole proprietary ArgoTrans™ transducer - sterile, single-packed, single use			
	94.2 S5 Stockert HLM disposable transducers	YEAR 1	YEAR 2	YEAR 3
	GSH	0	0	0

	TBH	0	0	0	
	RXH	50	50	50	
4.95.	S5 Stockert Heart-Lung Machine				
	Disposable Level Sensor Pads:				
4.95.1	White level sensor pad: - single use, non-sterile - adhesive mounting strip that uses technology of high-frequency, electromagnetic waves in an electric oscillating circuit to read oxygenator blood level - capable of sensing through the polycarbonate plastic at a thickness range of 2-3 mm				
	95.1 S5 Stockert HLM Disposable level sensor pads	YEAR 1	YEAR 2	YEAR 3	
	GSH	0	0	0	
	TBH	300	300	300	
	RXH	350	350	350	
4.95.2	Green level sensor pad: - single use, non-sterile - adhesive mounting strip that uses technology of high-frequency, electromagnetic waves in an electric oscillating circuit to read oxygenator blood level - capable of sensing through the polycarbonate plastic at a thickness range of 2-4 mm				
	95.2 S5 Stockert HLM Disposable level sensor pads	YEAR 1	YEAR 2	YEAR 3	
	GSH	0	0	0	
	TBH	100	100	100	
	RXH	200	200	250	
4.96.	Sorin and Maquet Heater-Cooler Machines device and water disinfectant solutions and powders:				
4.96.1	Hydrogen peroxide 10 Vol (3%) 2.5 L				
	96.1 Sorin and Maquet Heater-Cooler Machines device and	YEAR 1	YEAR 2	YEAR 3	

	water disinfectant solutions and powders				
	GSH	0	0	0	
	TBH	25	25	25	
	RXH	20	20	20	
4.96.2	Puristeril Plus 5L				
	96.2 Sorin and Maquet Heater-Cooler Machines device and water disinfectant solutions and powders	YEAR 1	YEAR 2	YEAR 3	
	GSH	0	0	0	
	TBH	5	5	5	
	RXH	10	10	10	
4.96.3	Chlorine powder (stipulate size)				
	96.3 Sorin and Maquet Heater-Cooler Machines device and water disinfectant solutions and powders	YEAR 1	YEAR 2	YEAR 3	
	GSH	10	10	10	
	TBH	15	15	15	
	RXH	0	0	0	
4.96.4	Citric acid powder (stipulate size)				
	96.4 Sorin and Maquet Heater-Cooler Machines device and water disinfectant solutions and powders	YEAR 1	YEAR 2	YEAR 3	

	GSH	10	10	10	
	TBH	0	0	0	
	RXH	0	0	0	
4.97.	Portable AED Defibrillator:				
	- delivers defibrillation shocks to treat ventricular defibrillation and ventricular tachycardia				
4.97.A	Option to have device(s) placed at GSH / TBH / RCWMCH – please stipulate Y or N				
4.97.1	Disposable sole proprietary external defibrillator pads –				
	- sole proprietary disposable external defibrillator pads				
	- Internal paddle electrode with disposable pad adaptor cable and outside connector				
	- Approximate Dimensions: 20cm length, 17 cm width, 4 cm height.				
	97.1 Portable AED Defibrillator	YEAR 1	YEAR 2	YEAR 3	
	GSH	0	0	0	
	TBH	200	200	200	
	RXH	5	5	5	
4.98.	Jostra / Maquet Centrifugal Pump:				
4.98.1.	Sole Proprietary Disposable Rotaflo centrifugal dome:				
	- compatible with Maquet-Jostru centrifugal pump				
	- 3/8-inch size connections for adult use				
	98.1 Jostra/Maquet Centrifugal pump	YEAR 1	YEAR 2	YEAR 3	
	GSH	10	10	10	
	TBH	0	0	0	
	RXH	0	0	0	
4.99.	Dual Chamber External Temporary Patient Pacemaker Device:				
	- for temporary patient function				
	- dual chamber: single and dual chamber pacing capability				
	- mode capability: DDD, DOO, DDI, AAI, AOO, VVI, VOO				
	- basic pacing rate: 30 – 200 ppm, upper rate of 80 – 230 ppm. rapid atrial pacing rate: 80 – 800 ppm				
	- output amplitude - Atrial: 0.1 – 20 mA; Ventricular: 0.1 – 25 Ma				

	- sensitivity - Atrial: 0.4 – 10 mV; Ventricular: - 0.8 – 20 mV, A-V Interval - Paced A-V (PAV): Auto 50 – 250, Manual 20 – 300; Sensed A-V (SAV): 50 – 25 - atrial refractory period: 150 – 500ms (PVARP); Atrial Refractory after an Atrial event equal to the AV interval Ventricular Blanking - Pace: 200 ms Sense: 120 ms. - low battery indicator				
4.99.A	Option to have device(s) placed at GSH / TBH / RCWMCH – please stipulate Y or N				
4.99.1	Patient Temporary Pacing Lead:				
	- sole proprietary associated temporary pacing lead to externally connect to external patient temporary pacing wires of temporary pacing box (device) Two types -				
4.99.1.1	Atrial				
	99.1.1 Dual chamber external temp pacemaker	YEAR 1	YEAR 2	YEAR 3	
	GSH	40	40	40	
	TBH	25	75	75	
	RXH	40	40	40	
4.99.1.2	Ventricular				
	99.1.2 Dual chamber external temp pacemaker	YEAR 1	YEAR 2	YEAR 3	
	GSH	40	40	40	
	TBH	25	75	75	
	RXH	40	40	40	
4.99.2	Uni(mono)polar Temporary Myocardial Pacing Wires: - for temporary atrial and ventricular pacing - able to sense implant for a duration ≤ 7 days - single-packed, sterile - insulated multifilament conductor wire with distal discreet ring electrode and a coaxial conductor lead body - two separate wires: one end of wire stripped to have an electrode surface, terminating in an atraumatic myocardial curved needle, and the other wire terminating in a removable atraumatic chest needle - wire and needle thickness to be a 1:1 size ratio - Needles NOT to be hollow - electrode: 0.2mm diameter, 50mm squared surface area				

	<ul style="list-style-type: none"> - conductor: 0.2mm diameter, 610mm length (from break-away tip electrode) - conductor Resistance: 19 ohms, 0.86mm diameter, 23mm length - Material: electrodes - stainless steel; Needles - stainless steel; Conductor: stainless steel; Insulation - Polythylene (PE)				
	99.2	YEAR 1	YEAR 2	YEAR 3	
	Uni(mono)polar temporary myocardial pacing wires				
	GSH	600	600	600	
	TBH	0	0	0	
	RXH	600	600	600	
4.99.3	Bipolar Temporary Myocardial Pacing Wires: <ul style="list-style-type: none"> - for temporary atrial and ventricular pacing - able to sense implant for a duration of 7 days or less - single-packed, sterile - insulated multifilament conductor wire with distal discreet ring electrode and a coaxial conductor lead body - one wire, crimped into conductor body, terminating in an atraumatic removable myocardial chest needle - conductor end wire to split into two parts - wire and needle thickness to be identical, i.e a 1:1 size ratio - needles NOT to be hollow - electrode: 0.2mm diameter, 50mm squared surface area - conductor: 0.2mm diameter, 610mm length (from break-away tip electrode) - conductor resistance: 19 ohms, 0.86mm diameter, 23mm length - material: electrodes - stainless steel; Needles - stainless steel; Conductor: stainless steel; Insulation - Polythylene (PE)				
	99.3 Bipolar Temporary myocardial pacing wires	YEAR 1	YEAR 2	YEAR 3	
	GSH	50	50	50	
	TBH	800	800	800	
	RXH	50	50	50	
4.100.	Activated Clotting Time (ACT) device: <ul style="list-style-type: none"> - point of Care ACT device 				

	- suitable for use in cardiac surgery with cardiopulmonary bypass - high range ACT measurement - requires ≤ 1ml of blood for measurement - cuvette or tube-based																	
4.100.A	Option to have device(s) placed at GSH / TBH / RCWMCH – please stipulate Y or N																	
4.100.1	Sole proprietary associated tube / cuvette for ACT measurement																	
	<table border="1"> <thead> <tr> <th>100.1 Activated clotting time device</th> <th>YEAR 1</th> <th>YEAR 2</th> <th>YEAR 3</th> </tr> </thead> <tbody> <tr> <td>GSH</td> <td>3000</td> <td>3000</td> <td>3000</td> </tr> <tr> <td>TBH</td> <td>4000</td> <td>4000</td> <td>4000</td> </tr> <tr> <td>RXH</td> <td>1500</td> <td>1500</td> <td>1500</td> </tr> </tbody> </table>	100.1 Activated clotting time device	YEAR 1	YEAR 2	YEAR 3	GSH	3000	3000	3000	TBH	4000	4000	4000	RXH	1500	1500	1500	
100.1 Activated clotting time device	YEAR 1	YEAR 2	YEAR 3															
GSH	3000	3000	3000															
TBH	4000	4000	4000															
RXH	1500	1500	1500															
4.100.2	Sole proprietary quality control liquid or similar (if applicable)																	
	<table border="1"> <thead> <tr> <th>100.2 Activated clotting time device</th> <th>YEAR 1</th> <th>YEAR 2</th> <th>YEAR 3</th> </tr> </thead> <tbody> <tr> <td>GSH</td> <td>As required</td> <td>As required</td> <td>As required</td> </tr> <tr> <td>TBH</td> <td>20</td> <td>20</td> <td>20</td> </tr> <tr> <td>RXH</td> <td>As required</td> <td>As required</td> <td>As required</td> </tr> </tbody> </table>	100.2 Activated clotting time device	YEAR 1	YEAR 2	YEAR 3	GSH	As required	As required	As required	TBH	20	20	20	RXH	As required	As required	As required	
100.2 Activated clotting time device	YEAR 1	YEAR 2	YEAR 3															
GSH	As required	As required	As required															
TBH	20	20	20															
RXH	As required	As required	As required															
4.101.	<p>In-line Monitoring for cardiopulmonary bypass Device:</p> <p>Must measure / calculate and display as many of the following parameters as possible in real-time:</p> <ul style="list-style-type: none"> -pH -pO₂ -pCO₂ -Potassium (K) -Lactate -Base Excess (BE) -Standard Base Excess (SBE) -Venous saturation (SvO₂) -Arterial saturation (SO₂) -Oxygen delivery (DO₂) -Oxygen consumption (VO₂) -Oxygen extraction ratio (O₂ER) -Flow -Blood temperature 																	

	-Hematocrit (Hct) -Hemoglobin (Hb)			
4.101.A	Option to have device(s) placed at GSH / TBH / RCWMCH – please stipulate Y or N			
4.101.1	Associated sole-proprietary disposables: - venous and / or arterial shunts / sensors - sterile, single-packed, sold per box			
	101.1 Inline monitoring for CPB device	YEAR 1	YEAR 2	YEAR 3
	GSH	0	0	0
	TBH	400	400	400
	RXH	80	80	80
4.102.	Cerebral Oxygenation Saturation / Oximeter Device: - provides continuous, real-time, site-specific, regional oxygen saturation (rSO2) - minimum of two channels with reusable sensor cables - non-invasive			
4.102.A	Option to have device(s) placed at GSH / TBH / RCWMCH – please stipulate Y or N			
4.102.1	Sole-proprietary disposable Adult sensor sticker for > 40Kg: - single-use			
	102.1 Cerebral Oxygenation saturation/Oxymeter device	YEAR 1	YEAR 2	YEAR 3
	GSH	800	800	800
	TBH	800	800	800
	RXH	800	800	800
4.102.2	Sole-proprietary disposable Adult sensor sticker for < 40Kg: - single-use			
	102.2 Cerebral Oxygenation saturation/Oxymeter device	YEAR 1	YEAR 2	YEAR 3
	GSH	0	0	0
	TBH	200	200	200

	RXH	800	800	800	
4.102.3	Sole-proprietary disposable Infant-neonatal sensor sticker for < 5Kg: - single-use				
	102.3 Cerebral Oxygenation saturation/Oxy meter device	YEAR 1	YEAR 2	YEAR 3	
	GSH	0	0	0	
	TBH	100	100	100	
	RXH	800	800	800	
4.103.	Coronary Artery Graft Blood Flow Measurement Device: - uses ultrasound technology and is capable of: 1. epicardial imaging of coronary vessels, grafts and anastomoses 2. transit time flow measurement to check and confirm graft patency				
4.103.A	Option to have device(s) placed at GSH / TBH / RCWMCH – please stipulate Y or N				
4.103.1	Associated sole-proprietary disposable flow probes:				
4.103.1.1	Size 2mm				
	103.1.1 Disposable flow probe:	YEAR 1	YEAR 2	YEAR 3	
	GSH	5	5	5	
	TBH	35	35	35	
	RXH	0	0	0	
4.103.1.2	Size 3mm				
	103.1.2 Disposable flow probe:	YEAR 1	YEAR 2	YEAR 3	
	GSH	10	10	10	
	TBH	35	35	35	
	RXH	0	0	0	
4.103.1.3	Size 4mm				
	103.1.3 Disposable flow probe:	YEAR 1	YEAR 2	YEAR 3	
	GSH	10	10	10	
	TBH	35	35	35	

	RXH	0	0	0	
4.104.	Blood-salvage / Cell-saving via Autotransfusion Device:				
	<ul style="list-style-type: none"> - yields a very high Hematocrit post processing - has excellent supernatant removal - has excellent processing speed - internal suction source - smart suction technology advantageous 				
4.104.A	Option to have device(s) placed at GSH / TBH / RCWMCH – please stipulate Y or N				
4.104.1	Associated sole-proprietary disposables:				
4.104.1.1	Complete kit				
	104.1.1 Complete Blood-salvage / Cell-saving Kit:	YEAR 1	YEAR 2	YEAR 3	
	GSH	350	350	350	
	TBH	800	800	800	
	RXH	100	100	100	
4.104.1.2	Reservoir (single)				
	104.1.2 Blood-salvage / Cell-saving Single Reservoir:	YEAR 1	YEAR 2	YEAR 3	
	GSH	100	100	100	
	TBH	100	100	100	
	RXH	250	250	250	
4.104.1.3	Suction line (single)				
	104.1.3 Blood-salvage / Cell-saving Single Suction Line:	YEAR 1	YEAR 2	YEAR 3	
	GSH	100	100	100	
	TBH	100	100	100	
	RXH	250	250	250	
4.104.1.4	Wash-kit (single)				
	At least 2 (more is advantageous) different wash-bowl sizes, to optimize for procedure type and patient size OR alternative principles or technology that allow for optimizing smaller patients or procedures with less blood loss				

Specify sizes where applicable				
		YEAR 1	YEAR 2	YEAR 3
	104.1.4 Blood-salvage / Cell-saving Single Wash-kit:			
	GSH	100	100	100
	TBH	100	100	100
	RXH	250	250	250
4.105.	Cardiac ablation Device:			
	<ul style="list-style-type: none"> - reusable electro-mechanical ablation system that utilizes both monopolar and bipolar radio frequency (RF) energy to ablate biological tissue in the treatment of arrhythmias during open heart surgery - enables treatment of deep tissue lesions - minimizes tissue charring - controllable by touchscreen and footswitch - provides visual and audible indications to signal the end of the ablation cycle 			
4.105.A	Option to have device(s) placed at GSH / TBH / RCWMCH – please stipulate Y or N			
4.105.1	Associated sole-proprietary disposables:			
4.105.1.1	Bi-polar cardio-ablation pen			
	105.1.1 Bi-polar cardio-ablation pen			
	GSH	20	20	20
	TBH	0	0	0
	RXH	5	5	5
4.105.1.2	Mono-polar cardio-ablation pen			
	105.1.2 Mono-polar cardio-ablation pen			
	GSH	20	20	20
	TBH	0	0	0
	RXH	5	5	5
4.105.1.3	Mono-polar long-tip cardio-ablation pen (20cm shaft)			
	105.1.3 Mono-polar long-tip			

	cardio-ablation pen				
	GSH	20	20	20	
	TBH	0	0	0	
	RXH	0	0	0	
4.105.1.4	Pulmonary Artery Isolator clamp/pen				
	105.1.4 Pulmonary Artery Isolator clamp/pen	YEAR 1	YEAR 2	YEAR 3	
	GSH	20	20	20	
	TBH	0	0	0	
	RXH	5	5	5	
4.106	Intra-Aortic Balloon Support Device:				
	- provides mechanical cardiac support by means of counter-pulsation				
	- clinically applicable over a wide range of patient conditions, including arrhythmias				
	- must use fiber-optic technology				
4.106.A	Option to have device(s) placed at GSH / TBH / RCWMCH – please stipulate Y or N				
4.106.1	Associated sole-proprietary fiber-optic balloon catheters:				
4.106.1.1	Size 30cc (or comparable) 7-8Fr				
	106.1.1 30cc Intra-Aortic Balloon Kit:	YEAR 1	YEAR 2	YEAR 3	
	GSH	5	5	5	
	TBH	20	20	20	
	RXH	0	0	0	
4.106.1.2	Size 40cc (or comparable) 7-8Fr				
	106.1.2 Size 40cc Intra-Aortic Balloon Kit:	YEAR 1	YEAR 2	YEAR 3	
	GSH	10	10	10	
	TBH	30	30	30	
	RXH	0	0	0	
4.106.1.3	Size 50cc (or comparable) 7-8Fr				
	106.1.3 Size 50cc Intra-	YEAR 1	YEAR 2	YEAR 3	

	Aortic Balloon Kit:				
	GSH	10	10	10	
	TBH	30	30	30	
	RXH	0	0	0	
4.106.2	Associated sole-proprietary refill helium cylinder				
	106.2 Sole-proprietary refill helium cylinder for Intra-Aortic Balloon Support Device:	YEAR 1	YEAR 2	YEAR 3	
	GSH	5	5	5	
	TBH	10	10	10	
	RXH	0	0	0	
4.107.	<p>ECMO Device with associated Heater Cooler Device:</p> <ul style="list-style-type: none"> - easily transportable - battery backup or a backup pump in case of power failure - able to perform VA and VV ECMO procedure - measure and display at least these 3 pressures: <ul style="list-style-type: none"> - venous – (pre-oxygenator) - arterial – (post-oxygenator) - delta Pa. (difference between pre- and post Pa.) - measure and display patient parameters: SVO₂, Hb and/or Hct and blood temperature - display both RPM and Flow Rate - include optional use of safety features and devices, such as bubble detection and alarm-alert - quick, easy setup in less than 10 minutes in preparing for use on a patient - low prime volume - heater cooler hoses must attach to oxygenator 				
4.107.A	Option to have device(s) placed at GSH / TBH / RCWMCH – please stipulate Y or N				
4.107.1	<p>Associated sole-proprietary ECMO kits:</p> <ul style="list-style-type: none"> - disposable, sterile, single-use - heparin coated - size range from neonate to adult 				
4.107.1.1	0 - 0.8 L/min (or similar)				
	107.1.1 Associated sole	YEAR 1	YEAR 2	YEAR 3	

	proprietary ECMO Kit				
	GSH	0	0	0	
	TBH	0	0	0	
	RXH	2	1	2	
4.107.1.2	0.8 – 2.4 L/min (or similar)				
	107.1.2 Associated sole proprietary ECMO Kit	YEAR 1	YEAR 2	YEAR 3	
	GSH	0	0	0	
	TBH	0	0	0	
	RXH	6	5	5	
4.107.1.3	2.4 – 4.5 L/min (or similar)				
	107.1.3 Associated sole proprietary ECMO Kit	YEAR 1	YEAR 2	YEAR 3	
	GSH	0	0	0	
	TBH	0	0	0	
	RXH	5	5	5	
4.107.1.4	1 – 7 L/min (or similar)				
	107.1.4 Associated sole proprietary ECMO Kit	YEAR 1	YEAR 2	YEAR 3	
	GSH	0	0	0	
	TBH	0	0	0	
	RXH	0	0	0	
4.108a.	Left Atrial Clip (Closure) Device: <ul style="list-style-type: none"> - easy-to-hold design with malleable shaft - sealed left atrial appendage orifice should result in a smooth endothelial tissue surface - should be non-piercing - must provide atraumatic exclusion of the left atrial appendage - measuring device for appropriate size selection should be included. 				

4.108a.A	Option to have device(s) placed at GSH / TBH / RCWMCH – please stipulate Y or N				
4.108b.	Associated sole-proprietary Atrial Clips:				
	Size range -				
4.108b.1	35mm				
	108b.1 Associated sole proprietary atrial clip	YEAR 1	YEAR 2	YEAR 3	
	GSH	10	10	10	
	TBH	0	0	0	
	RXH	0	0	0	
4.108b.2	40mm				
	108b.2 Associated sole proprietary atrial clip	YEAR 1	YEAR 2	YEAR 3	
	GSH	10	10	10	
	TBH	0	0	0	
	RXH	0	0	0	
4.108b.3	45mm				
	108b.3 Associated sole proprietary atrial clip	YEAR 1	YEAR 2	YEAR 3	
	GSH	10	10	10	
	TBH	0	0	0	
	RXH	0	0	0	
4.108b.4	50mm				
	108b.4 Associated sole proprietary atrial clip	YEAR 1	YEAR 2	YEAR 3	
	GSH	10	10	10	
	TBH	0	0	0	
	RXH	0	0	0	
4.109.1	Ligation Clip Reusable Applier Device(s): - used to deliver metal ligating clips - for use on tubular structures or vessels				

	<ul style="list-style-type: none"> - has grooves on the inside jaw surfaces of the applier to increase in-jaw clip security - 2 different types of Appliers: i.) multiple clip appliers for single patient use in open procedures, sizes small, medium, large. ii. multi-patient use single clip applier in open procedures, sizes small, medium, large. 																	
4.109.1A	Option to have device(s) placed at GSH / TBH / RCWMCH – please stipulate Y or N																	
4.109.1.1	Associated sole-proprietary Titanium disposable clips:																	
	<ul style="list-style-type: none"> - designed for secure fixation on the structure and increased resistance to dislodgment of a formed clip - clips compatible with both open and endoscopic single clip appliers - range of sizes (as below or similar) - colour coded by size - specify number per box if more than one option - sterile, single use 																	
4.109.1.1. 1	Small: Clip aperture - 3.0mm; closed clip length – 3.63mm																	
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109.1.1.1 Associated sole proprietary titanium disposable clips	YEAR 1	YEAR 2	YEAR 3															
GSH	20	20	20															
TBH	0	0	0															
RXH	500	500	500															
4.109.1.1. 2	Medium: Clip aperture - 4.0mm; closed clip length – 5.33mm																	
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109.1.1.2 Associated sole proprietary titanium disposable clips	YEAR 1	YEAR 2	YEAR 3															
GSH	20	20	20															
TBH	0	0	0															
RXH	500	500	500															
4.109.1.1. 3	Medium-Large: Clip aperture - 6.4mm; closed clip length – 8.99mm																	
	<table border="1"> <thead> <tr> <th>109.1.1.3 Associated sole proprietary titanium</th> <th>YEAR 1</th> <th>YEAR 2</th> <th>YEAR 3</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	109.1.1.3 Associated sole proprietary titanium	YEAR 1	YEAR 2	YEAR 3													
109.1.1.3 Associated sole proprietary titanium	YEAR 1	YEAR 2	YEAR 3															

	disposable clips			
	GSH	10	10	10
	TBH	0	0	0
	RXH	500	500	500
4.109.1.1.4	Large: Clip aperture - 7.5mm; closed clip length - 12.26mm			
	109.1.1.4 Associated sole proprietary titanium disposable clips	YEAR 1	YEAR 2	YEAR 3
	GSH	5	5	5
	TBH	0	0	0
	RXH	0	0	0
4.109.2	Disposable Ligation Clip Applier Device with associated Clips: - device used to deliver metal ligating clips - for use on tubular structures or vessels - can be used in open procedures - single patient use, disposable, sterile - different sizes (as below or similar)			
4.109.2.1	Small: Clip aperture - 3.0mm; closed clip length - 3.63mm			
	109.2.1 Disposable ligation clip applier device	YEAR 1	YEAR 2	YEAR 3
	GSH	20	20	20
	TBH	0	0	0
	RXH	0	0	0
4.109.2.2	Medium: Clip aperture - 4.0mm; closed clip length - 5.33mm			
	109.2.2 Disposable ligation clip applier device	YEAR 1	YEAR 2	YEAR 3
	GSH	20	20	20
	TBH	0	0	0
	RXH	0	0	0

4.109.2.3	Medium-Large: Clip aperture - 6.4mm; closed clip length – 8.99mm			
	109.2.3 Disposable ligation clip applier device	YEAR 1	YEAR 2	YEAR 3
	GSH	10	10	10
	TBH	0	0	0
	RXH	0	0	0
4.109.2.4	Large: Clip aperture - 7.5mm; closed clip length – 12.26mm			
	109.2.4 Disposable ligation clip applier device	YEAR 1	YEAR 2	YEAR 3
	GSH	5	5	5
	TBH	0	0	0
	RXH	0	0	0
4.110.	Cryoablation Device: <ul style="list-style-type: none"> - uses cryoprecipitate technology to provide long lasting pain relief for patients by (cold) ablation of peripheral intercostal nerves - non-sterile, reusable device which delivers cryogenic energy, namely nitrous oxide (N2O), to single-use disposable cryo-ablation probes - system includes cryo "box" (machine) and accessories: N2O gas cylinder, N2O gas line hose with filter canister set, N2O exhaust hose, cylinder heater band, power cord, integral tube set, and footswitch - provides controlled lesion forming temperatures below -40°C, with operating ranges between -50°C to -70°C - includes Freeze and Defrost operation modes (or similar) 			
4.110A	Option to have device(s) placed at GSH / TBH / RCWMCH – please stipulate Y or N			
4.110.1	Associated sole-proprietary disposables: - sterile, single use Cryoablation probes			
4.110.1.1	8mm - bendable distal shaft - 8mm ball tip - available in 11-inch and 17-inch probe sizes - double wall vacuum insulation - active defrost			
	110.1.1	YEAR 1	YEAR 2	YEAR 3

	Associated sole proprietary disposables				
	8MM				
	GSH	100	100	100	
	TBH	0	0	0	
	RXH	10	10	10	
4.110.1.2	10m - bendable distal shaft - 10mm ball tip - available in 11-inch and 17-inch probe sizes - double wall vacuum insulation - active defrost				
	110.1.2 Associated sole proprietary disposables	YEAR 1	YEAR 2	YEAR 3	
	10MM				
	GSH	100	100	100	
	TBH	5	5	5	
	RXH	10	10	10	
4.111.	Portable Diathermy Device:				
	- capable of using 2 separate diathermy pens simultaneously				
4.111A	Option to have device(s) placed at GSH / TBH / RCWMCH – please stipulate Y or N				
4.111.1	Associated sole-proprietary disposables:				
	- sterile, single use diathermy pens. 2 types				
4.111.1.1	Standard dual-mode electrosurgical pen: i. coagulation mode for hemostasis ii. cutting mode for cutting tissue - slim, tapered ergonomic design - slip-proof handle - switch button for smooth activation - coated preloaded electrode blade				
	111.1.1 Associated sole proprietary disposables	YEAR 1	YEAR 2	YEAR 3	
	GSH	350	350	350	
	TBH	0	0	0	
	RXH	500	500	500	

4.111.1.2	Surgeon fingertip controlled electro-surgical pen with 3 modes: <ul style="list-style-type: none"> i. coagulation mode for hemostasis ii. cutting mode for cutting tissue iii. power control (slider or similar) to adjust power output / settings in sterile field and additional feature / mode that allows the surgeon to divide tissue with controlled hemostasis, with less thermal effect than standard coagulation mode, using a combination of monopolar hemostasis and dissection <ul style="list-style-type: none"> - handle design has a gripping surface - coated electrode blade to facilitate cleaning during the procedure 				
	111.1.2 Associated sole proprietary disposables	YEAR 1	YEAR 2	YEAR 3	
4.112.	Endoscopic Vein Harvesting Device: <ul style="list-style-type: none"> - specialized device / hardware equipment intended for minimally invasive harvesting of the saphenous vein and radial artery, primarily for coronary artery bypass grafting (CABG) procedures 				
4.112A	Option to have device(s) placed at GSH / TBH / RCWMCH – please stipulate Y or N Note: If yes, please include device brochure				
4.112.1	Associated sole-proprietary consumable: <ul style="list-style-type: none"> - sterile, single use, disposable 				
4.112.1.1	Endoscopic vessel harvesting set: <ul style="list-style-type: none"> - full kit / set for one procedure, incl. items such as harvesting cannula, harvesting tool, trocar, dissection tool, CO2 insufflation piece, syringes and related endoscope consumable items 				
	112.1.1 Endoscopic vessel harvesting set	YEAR 1	YEAR 2	YEAR 3	
5.	ESTIMATED QUANTITY FOR THE (3) THREE - YEAR PERIOD: Please refer to WCBD 3.1 pricing schedule for quantity				

	<p>The quantity referred above is estimated and Groote Schuur Hospital (GSH), Tygerberg Hospital (TBH) and Red Cross War Memorial Hospital (RXH) cannot guarantee these quantities. Usage will be determined solely by the needs of the institution. Orders will be placed as and when required. GSH, TBH and RXH will not be restricted to minimum quantity orders.</p>	

WCBD 3.1/2

PRICING SCHEDULE (PURCHASES) – CHTRV: PT17/2026: THE APPOINTMENT OF A SERVICE PROVIDER FOR THE SUPPLY AND DELIVERY OF PERFUSION AND CARDIOTHORACIC SURGERY REQUIREMENTS TO GROOTE SCHUUR HOSPITAL, TYGERBERG HOSPITAL AND RED CROSS WAR MEMORIAL CHILDREN'S HOSPITAL FOR A PERIOD OF THREE (3) YEARS.

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ITEM	DESCRIPTION OF PRODUCT	ESTIMATED QUANTITY & BID PRICE IN SA CURRENCY INCLUDING VAT								
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		QTY <i>Each</i>	Unit Price (ZAR)	Total (ZAR)	QTY <i>Each</i>	Unit Price (ZAR)	Total (ZAR)	QTY <i>Each</i>	Unit Price (ZAR)	Total (ZAR)
1.	Adult oxygenator: - hard-shell venous reservoir with heater cooler compartment and membrane oxygenator all included - flow compatibility from 0 - 6 or 7 or 8 L /min - biocompatible coating (specify) - VAVD – compatible - lower oxygenator priming volume in comparison to others available - manufacturer-determined trans-membrane pressure drop of ≤130mmHg at 50% of the maximum rated flow - microporous / Hollow-fiber design - arterial outlet in full view when oxygenator is in situ in holder									
1.1	Integrated arterial filter (40um) design	662			660			662		
1.2	Non-integrated arterial filter design	140			140			140		

This is a multiple item / supplier award

Note to bidders

Please provide detailed product brochure AND a graph of manufacturer-determined trans-membrane pressure drop at various flows

IMPORTANT: THE QUESTIONNAIRE BELOW MUST BE COMPLETED IN FULL BY REPLY TO EACH AND EVERY QUESTION.

No.	A. Brand name	B. Product/catalogue codes	C. Country of manufacture	D. State packaging offer
1.1.				
1.2.				

WCBD 3.1/2

PRICING SCHEDULE (PURCHASES) – CHTRV: PT17/2026: THE APPOINTMENT OF A SERVICE PROVIDER FOR THE SUPPLY AND DELIVERY OF PERFUSION AND CARDIOTHORACIC SURGERY REQUIREMENTS TO GROOTE SCHUUR HOSPITAL, TYGERBERG HOSPITAL AND RED CROSS WAR MEMORIAL CHILDREN'S HOSPITAL FOR A PERIOD OF THREE (3) YEARS

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2.	Blood Cardioplegia system: As per GSH, RCWMCH and TBH requirements:									
2.1	GSH / RCWMCH 4:1 non-customized blood cardioplegia system: - universal design system intended for 4:1 blood to crystalloid ratio with ¼" tubing - stainless steel heat exchanger - temperature-monitoring site at blood outlet - filter to capture micro-emboli before blood exits blood outlet - pressure-relief valve to prevent over-pressurization - bio-coated (specify) - low prime volume compared to others available	200			200			250		
2.2	GSH / RCWMCH 4:1 Customized blood cardioplegia system: - stainless steel heat exchanger - temperature-monitoring site at blood outlet - filter to capture micro-emboli before blood exits blood outlet - pressure-relief valve to prevent over-pressurization - bio-coated (specify) - low prime volume compared to others available - see diagram 1 of Appendix C	450			450			500		
2.3	GSH HTK-Blood cardioplegia System - see diagram 1 of Appendix A	100			100			100		
2.4	TBH Adult blood cardioplegia system - see diagram 1 of Appendix B	400			400			400		

IMPORTANT: THE QUESTIONNAIRE BELOW MUST BE COMPLETED IN FULL BY REPLY TO EACH AND EVERY QUESTION.

No.	A. Brand name	B. Product/catalogue codes	C. Country of manufacture	D. State packaging offered
2.1.				
2.2.				
2.3				
2.4				

WCBD 3.1/2

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		QTY <i>Each</i>	Unit Price <i>(ZAR)</i>	Total <i>(ZAR)</i>	QTY <i>Each</i>	Unit Price <i>(ZAR)</i>	Total <i>(ZAR)</i>	QTY <i>Each</i>	Unit Price <i>(ZAR)</i>	Total <i>(ZAR)</i>
3.	Adult hemoconcentrator pack: Custom made as per GSH and TBH requirements:									
3.1	Custom made as per GSH requirements: - see diagram 2 of Appendix A - biocompatible (specify)	350			350			350		
3.2	Custom made as per TBH requirements: - see diagram 2 of Appendix B	150			150			150		

IMPORTANT: THE QUESTIONNAIRE BELOW MUST BE COMPLETED IN FULL BY REPLY TO EACH AND EVERY QUESTION.

No.	A. Brand name	B. Product/catalogue codes	C. Country of manufacture	D. State packaging offered
3.1				
3.2				

WCBD 3.1/2

PRICING SCHEDULE (PURCHASES) – CHTRV: PT17/2026: THE APPOINTMENT OF A SERVICE PROVIDER FOR THE SUPPLY AND DELIVERY OF PERFUSION AND CARDIOTHORACIC SURGERY REQUIREMENTS TO GROOTE SCHUUR HOSPITAL, TYGERBERG HOSPITAL AND RED CROSS WAR MEMORIAL CHILDREN'S HOSPITAL FOR A PERIOD OF THREE (3) YEARS.

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		QTY Each	Unit Price (ZAR)	Total (ZAR)	QTY Each	Unit Price (ZAR)	Total (ZAR)	QTY Each	Unit Price (ZAR)	Total (ZAR)
4.	Adult AV Loop: Custom made as per GSH and TBH requirements									
4.1	GSH Adult 3/8-inch AV Loop: - biocompatible (specify) - custom made as per GSH requirements: - see diagram 3 under Appendix A	60			60			60		
4.2	GSH Adult 1/2-3/8-inch AV Loop: - biocompatible (specify) - custom made as per GSH requirements: - see diagram 4 under Appendix A	5			5			5		
4.3	TBH Adult 3/8-inch AV Loop: - custom made as per TBH requirements: - see diagram 3 under Appendix B	250			250			250		

IMPORTANT: THE QUESTIONNAIRE BELOW MUST BE COMPLETED IN FULL BY REPLY TO EACH AND EVERY QUESTION.

No.	A. Brand name	B. Product/catalogue codes	C. Country of manufacture	D. State packaging offered
4.1				
4.2				
4.3				

WCBD 3.1/2

PRICING SCHEDULE (PURCHASES) – CHTRV: PT17/2026: THE APPOINTMENT OF A SERVICE PROVIDER FOR THE SUPPLY AND DELIVERY OF PERFUSION AND CARDIOTHORACIC SURGERY REQUIREMENTS TO GROOTE SCHUUR HOSPITAL, TYGERBERG HOSPITAL AND RED CROSS WAR MEMORIAL CHILDREN'S HOSPITAL FOR A PERIOD OF THREE (3) YEARS.

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		QTY Each	Unit Price (ZAR)	Total (ZAR)	QTY Each	Unit Price (ZAR)	Total (ZAR)	QTY Each	Unit Price (ZAR)	Total (ZAR)
5.	Heart transplant / Gravity cardioplegia line: Custom made as per GSH-RCWMCH requirements - see diagram 5 under Appendix A	50			30			30		

IMPORTANT: THE QUESTIONNAIRE BELOW MUST BE COMPLETED IN FULL BY REPLY TO EACH AND EVERY QUESTION.

No.	A. Brand name	B. Product/catalogue codes	C. Country of manufacture	D. State packaging offered
5.				

WCBD 3.1/2

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6.	Centrifugal (VAD) pack: Custom made as per GSH requirements - see diagram 6 under Appendix A - biocompatible coating (state coating) - heparin coating (state coating)	20			15			10		

IMPORTANT: THE QUESTIONNAIRE BELOW MUST BE COMPLETED IN FULL BY REPLY TO EACH AND EVERY QUESTION.

No.	A. Brand name	B. Product/catalogue codes	C. Country of manufacture	D. State packaging offered
6				

WCBD 3.1/2

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		QTY Each	Unit Price (ZAR)	Total (ZAR)	QTY Each	Unit Price (ZAR)	Total (ZAR)	QTY Each	Unit Price (ZAR)	Total (ZAR)
7.	Adult Custom Tubing packs: Custom made as per GSH and TBH requirements									
7.1	GSH Adult tubing pack with arterial filter - see diagram 7 under Appendix A	100			100			100		
7.2	GSH Adult tubing pack without arterial filter - see diagram 8 under Appendix A	300			300			300		
7.3	TBH Adult tubing pack without Arterial Filter - see diagram 4 under Appendix B	360			360			360		
7.4	TBH Adult tubing pack with Arterial Filter - see diagram 5 under Appendix B	40			40			40		

IMPORTANT: THE QUESTIONNAIRE BELOW MUST BE COMPLETED IN FULL BY REPLY TO EACH AND EVERY QUESTION.

No.	A. Brand name	B. Product/catalogue codes	C. Country of manufacture	D. State packaging offered
7.1.				
7.2.				
7.3				
7.4				

WCBD 3.1/2

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		QTY Eac h	Unit Price (ZAR)	Total (ZAR)	QTY Eac h	Unit Price (ZAR)	Total (ZAR)	QTY Eac h	Unit Price (ZAR)	Total (ZAR)
8.	Perfadex Administration Set: Custom made as per GSH requirements: - see diagram 9 under Appendix A	25			20			20		

IMPORTANT: THE QUESTIONNAIRE BELOW MUST BE COMPLETED IN FULL BY REPLY TO EACH AND EVERY QUESTION.

No.	A. Brand name	B. Product/catalogue codes	C. Country of manufacture	D. State packaging offered
8.				

WCBD 3.1/2

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9.	Basic femoral cannulation dissection kit: Custom made as per GSH requirements - see diagram 10 under Appendix A	10			10			10		

IMPORTANT: THE QUESTIONNAIRE BELOW MUST BE COMPLETED IN FULL BY REPLY TO EACH AND EVERY QUESTION.

No.	A. Brand name	B. Product/catalogue codes	C. Country of manufacture	D. State packaging offered
9				

WCBD 3.1/2

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10.	Vent Catheter: - 1/4" connection on the end - PVC / silicone - Weighted, perforated soft tip - Approx. 30.5cm length									
10.1	13 Fr	600			550			650		
10.2	16 Fr	560			540			580		
10.3	18Fr	160			160			160		
10.4	20 Fr	555			560			555		

IMPORTANT: THE QUESTIONNAIRE BELOW MUST BE COMPLETED IN FULL BY REPLY TO EACH AND EVERY QUESTION.

No.	A. Brand name	B. Product/catalogue codes	C. Country of manufacture	D. State packaging offered
10.1.				
10.2.				
10.3.				
10.4.				

WCBD 3.1/2

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11.	Blowermister / Misterblower: - on/off control in hand-piece - easy-to-hold design with malleable shaft - specialized nozzle, utilizing a micro-orifice for fluid delivery - separate orifice for gas delivery - fluid line and gas filter line included - connecting tube length +/- 120 inches (308cm)	20			20			20		

IMPORTANT: THE QUESTIONNAIRE BELOW MUST BE COMPLETED IN FULL BY REPLY TO EACH AND EVERY QUESTION.

No.	A. Brand name	B. Product/catalogue codes	C. Country of manufacture	D. State packaging offered
11.				

WCBD 3.1/2

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12.	Metal-Tip Top Sucker / Cardiac Sump: - fluted tip encased in stainless steel spring - weighted tip - soft flexible tubing terminating in a ¼ inch connector - 20Fr - +/- 38cm length	750			750			750		

IMPORTANT: THE QUESTIONNAIRE BELOW MUST BE COMPLETED IN FULL BY REPLY TO EACH AND EVERY QUESTION.

No.	A. Brand name	B. Product/catalogue codes	C. Country of manufacture	D. State packaging offered
12.				

WCBD 3.1/2

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		QTY <i>Eac</i> <i>h</i>	Unit Pric e (ZAR)	Total (ZAR)	QTY <i>Each</i>	Unit Price (ZAR)	Total (ZAR)	QTY <i>Eac</i> <i>h</i>	Unit Price (ZAR)	Total (ZAR)
13.	Soft-Tip Cardiac Sump / Top Sucker: - perforated soft tip - 1/4" slip connector - 20 Fr - +/- 30.5cm length	850			800			850		

IMPORTANT: THE QUESTIONNAIRE BELOW MUST BE COMPLETED IN FULL BY REPLY TO EACH AND EVERY QUESTION.

No.	A. Brand name	B. Product/c atalogue codes	C. Country of manufactu re	D. State packagin g offered
13				

WCBD 3.1/2

PRICING SCHEDULE (PURCHASES) – CHTRV: PT17/2026: THE APPOINTMENT OF A SERVICE PROVIDER FOR THE SUPPLY AND DELIVERY OF PERFUSION AND CARDIOTHORACIC SURGERY REQUIREMENTS TO GROOTE SCHUUR HOSPITAL, TYGERBERG HOSPITAL AND RED CROSS WAR MEMORIAL CHILDREN'S HOSPITAL FOR A PERIOD OF THREE (3) YEARS

NAME OF BIDDER:

BID NUMBER: **CHTRV: PT17/2026**

CLOSING DATE AND TIME: **17 APRIL 2026 AT 11H00**

OFFERS SHALL BE VALID FOR **90** DAYS FROM CLOSING DATE OF BID

ITEM	DESCRIPTION OF PRODUCT	ESTIMATED QUANTITY & BID PRICE IN SA CURRENCY INCLUDING VAT								
		1 ST YEAR			2 ND YEAR			3 RD YEAR		
		QTY <i>Eac</i> <i>h</i>	Unit Price <i>(ZAR)</i>	Total <i>(ZAR)</i>	QTY <i>Eac</i> <i>h</i>	Unit Price <i>(ZAR)</i>	Total <i>(ZAR)</i>	QTY <i>Eac</i> <i>h</i>	Unit Pric e <i>(ZA R)</i>	Total <i>(ZAR)</i>
14.	Rigid Suction Sucker / Cardiac Sump Sucker: - rigid stainless-steel shaft tip - fluted pool tip									
14.1	Macro (15.2cm; 20Fr)	460			460			460		
14.2	Mini (12.1cm; 9Fr)	60			60			60		

IMPORTANT: THE QUESTIONNAIRE BELOW MUST BE COMPLETED IN FULL BY REPLY TO EACH AND EVERY QUESTION.

No.	A. Brand name	B. Product/catalogue codes	C. Country of manufacture	D. State packaging offered
14.1.				
14.2.				

WCBD 3.1/2

PRICING SCHEDULE (PURCHASES) – CHTRV: PT17/2026: THE APPOINTMENT OF A SERVICE PROVIDER FOR THE SUPPLY AND DELIVERY OF PERFUSION AND CARDIOTHORACIC SURGERY REQUIREMENTS TO GROOTE SCHUUR HOSPITAL, TYGERBERG HOSPITAL AND RED CROSS WAR MEMORIAL CHILDREN'S HOSPITAL FOR A PERIOD OF THREE (3) YEARS

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CLOSING DATE AND TIME: 17 APRIL 2026 AT 11H00	
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ITEM	DESCRIPTION OF PRODUCT	ESTIMATED QUANTITY & BID PRICE IN SA CURRENCY INCLUDING VAT								
		1 ST YEAR			2 ND YEAR			3 RD YEAR		
		QTY <i>Eac</i> <i>h</i>	Unit Price <i>(ZAR)</i>	Total <i>(ZAR)</i>	QTY <i>Eac</i> <i>h</i>	Unit Price <i>(ZAR)</i>	Total <i>(ZAR)</i>	QTY <i>Eac</i> <i>h</i>	Unit Pric e <i>(ZA R)</i>	Total <i>(ZAR)</i>
15.	Vessel cannula for saphenous vein harvesting: - clear, radiopaque body - terminates with a female luer - 3mm blunt tip - +/- 6.5cm length - sterile, single-packed									
15.1	with a one-way valve	300			300			300		
15.2	Without a one-way valve	350			350			350		

IMPORTANT: THE QUESTIONNAIRE BELOW MUST BE COMPLETED IN FULL BY REPLY TO EACH AND EVERY QUESTION.

No.	A. Brand name	B. Product/catalogue codes	C. Country of manufacture	D. State packaging offered
15.1.				
15.2				

WCBD 3.1/2

PRICING SCHEDULE (PURCHASES) – CHTRV: PT17/2026: THE APPOINTMENT OF A SERVICE PROVIDER FOR THE SUPPLY AND DELIVERY OF PERFUSION AND CARDIOTHORACIC SURGERY REQUIREMENTS TO GROOTE SCHUUR HOSPITAL, TYGERBERG HOSPITAL AND RED CROSS WAR MEMORIAL CHILDREN'S HOSPITAL FOR A PERIOD OF THREE (3) YEARS

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		QTY Each	Unit Price (ZAR)	Total (ZAR)	QTY Each	Unit Price (ZAR)	Total (ZAR)	QTY Each	Unit Price (ZAR)	Total (ZAR)
16.	Perfusion adapter: - ¼ inch barbed connector on one end - male luer on the other end - +/- 5.1cm length - sterile, single-packed	600			600			650		

IMPORTANT: THE QUESTIONNAIRE BELOW MUST BE COMPLETED IN FULL BY REPLY TO EACH AND EVERY QUESTION.

No.	A. Brand name	B. Product/catalogue codes	C. Country of manufacture	D. State packaging offered
16.				

WCBD 3.1/2

PRICING SCHEDULE (PURCHASES) – CHTRV: PT17/2026: THE APPOINTMENT OF A SERVICE PROVIDER FOR THE SUPPLY AND DELIVERY OF PERFUSION AND CARDIOTHORACIC SURGERY REQUIREMENTS TO GROOTE SCHUUR HOSPITAL, TYGERBERG HOSPITAL AND RED CROSS WAR MEMORIAL CHILDREN'S HOSPITAL FOR A PERIOD OF THREE (3) YEARS

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		QTY Each	Unit Price (ZAR)	Total (ZAR)	QTY Each	Unit Price (ZAR)	Total (ZAR)	QTY Each	Unit Price (ZAR)	Total (ZAR)
17.	Coronary Y Adapter / Cardioplegia Adapter:									
17.1	Type 1: 3.5 in (8.9 cm) and 10 in (25.4 cm) legs female luer on the single leg. A rigid "Y" has two legs with white clamps and terminate with male luers	950			950			1000		
17.2	Type 2: 1 male luer, 1 female luer and the third end has a 1/4" connection Red and blue coloured clips on legs with luers	400			400			400		

Note to bidders
This

IMPORTANT: THE QUESTIONNAIRE BELOW MUST BE COMPLETED IN FULL BY REPLY TO EACH AND EVERY QUESTION.

No.	A. Brand name	B. Product/catalogue codes	C. Country of manufacture	D. State packaging offered
17.1				
17.2				

WCBD 3.1/2

PRICING SCHEDULE (PURCHASES) – CHTRV: PT17/2026: THE APPOINTMENT OF A SERVICE PROVIDER FOR THE SUPPLY AND DELIVERY OF PERFUSION AND CARDIOTHORACIC SURGERY REQUIREMENTS TO GROOTE SCHUUR HOSPITAL, TYGERBERG HOSPITAL AND RED CROSS WAR MEMORIAL CHILDREN'S HOSPITAL FOR A PERIOD OF THREE (3) YEARS

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		1 ST YEAR			2 ND YEAR			3 RD YEAR		
		QTY Each	Unit Price (ZAR)	Total (ZAR)	QTY Each	Unit Price (ZAR)	Total (ZAR)	QTY Each	Unit Price (ZAR)	Total (ZAR)
18.	Multiple Coronary Perfusion Adapter / Multiple Cardioplegia Adapter: - allows for simultaneous perfusion of the aortic root and up to three vein grafts - 38.1 cm Overall length - white clamp on single inlet leg - female luer on single inlet leg with 4 legs - 3 free flow vessel cannulae (Must be model with: 2-inch vessel cannula, 3mm blunt tip - clear, radiopaque body with NO one-way valve terminates with a female luer +/- 6.5cm length) one 7.6 cm leg with blue clamp three 25.4 cm legs with red clamp	220			220			220		

IMPORTANT: THE QUESTIONNAIRE BELOW MUST BE COMPLETED IN FULL BY REPLY TO EACH AND EVERY QUESTION.

No.	A. Brand name	B. Product/catalogue codes	C. Country of manufacture	D. State packaging offered
18.				

WCBD 3.1/2

PRICING SCHEDULE (PURCHASES) – CHTRV: PT17/2026: THE APPOINTMENT OF A SERVICE PROVIDER FOR THE SUPPLY AND DELIVERY OF PERFUSION AND CARDIOTHORACIC SURGERY REQUIREMENTS TO GROOTE SCHUUR HOSPITAL, TYGERBERG HOSPITAL AND RED CROSS WAR MEMORIAL CHILDREN'S HOSPITAL FOR A PERIOD OF THREE (3) YEARS

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		QTY Each	Unit Price (ZAR)	Total (ZAR)	QTY Each	Unit Price (ZAR)	Total (ZAR)	QTY Each	Unit Price (ZAR)	Total (ZAR)
19.	Coronary Ostial Perfusion Tips:									
19.1	Basket Tips: - flanged, radiopaque basket tip attached to stainless steel shaft - terminates in female luer - 15.2 cm length									
19.1.1	10 Fr (3.3mm)	320			300			320		
19.1.2	12 Fr (4.0mm)	320			300			320		
19.1.3	14 Fr (4.7mm)	100			100			100		
19.2	Soft Balloon Tips: - soft balloon tip attached to a flexible shaft									
19.2.1	size 4.0mm	210			170			210		
19.2.2	size 6.0mm	210			170			210		
19.3	Soft Tip (Silicon) Coronary Artery Ostial Perfusion Cannula: - +/- 25.4cm length - silicon body with soft bulb-shaped tip terminates in female luer									
19.3.1	17Fr (5.6mm)	180			160			180		
19.3.2	20Fr (6.7mm)	180			160			180		

IMPORTANT: THE QUESTIONNAIRE BELOW MUST BE COMPLETED IN FULL BY REPLY TO EACH AND EVERY QUESTION.

No.	A. Brand name	B. Product/catalogue codes	C. Country of manufacture	D. State packaging offered
19.1.1.				
19.1.2.				
19.1.3.				
19.2.1.				
19.2.2.				
19.3.1.				
19.3.2.				

WCBD 3.1/2

PRICING SCHEDULE (PURCHASES) – CHTRV: PT17/2026: THE APPOINTMENT OF A SERVICE PROVIDER FOR THE SUPPLY AND DELIVERY OF PERFUSION AND CARDIOTHORACIC SURGERY REQUIREMENTS TO GROOTE SCHUUR HOSPITAL, TYGERBERG HOSPITAL AND RED CROSS WAR MEMORIAL CHILDREN'S HOSPITAL FOR A PERIOD OF THREE (3) YEARS

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		1 ST YEAR			2 ND YEAR			3 RD YEAR		
		QTY Eac h	Unit Price (ZAR)	Total (ZAR)	QTY Eac h	Unit Price (ZAR)	Total (ZAR)	QTY Eac h	Unit Price (ZAR)	Total (ZAR)
20.	Aortic Root Needle / Cardioplegia cannula:									
20.1	Aortic Root Needle <u>With both Vent and Stainless steel flow-guard standard introducer:</u> - aortic root needle cannula including vent line , standard tip with stainless steel flow-guard introducer and protective cap over needle - radiopaque tip attached to clear PVC body - 14cm length - 12 Ga, 9Fr	820			800			800		
20.2	Aortic Root Needle <u>With Vent and Without Stainless steel flow-guard standard introducer:</u> - aortic root needle cannula including vent line - standard tip excluding stainless steel flow-guard introducer - radiopaque tip attached to clear PVC body - 14cm length - 12 Ga, 9Fr	400			400			400		
20.3	Aortic Root Needle <u>Without both Vent and Stainless steel flow-guard standard introducer:</u> - aortic root needle cannula excluding vent line - standard tip excluding stainless steel flow-guard introducer - radiopaque tip attached to clear PVC body - 14cm length - 12 Ga, 9Fr	220			220			220		

IMPORTANT: THE QUESTIONNAIRE BELOW MUST BE COMPLETED IN FULL BY REPLY TO EACH AND EVERY QUESTION.

No.	A. Brand name	B. Product/catalogue codes	C. Country of manufacture	D. State packaging offered
20.1.				
20.2.				
20.3.				

WCBD 3.1/2

PRICING SCHEDULE (PURCHASES) – CHTRV: PT17/2026: THE APPOINTMENT OF A SERVICE PROVIDER FOR THE SUPPLY AND DELIVERY OF PERFUSION AND CARDIOTHORACIC SURGERY REQUIREMENTS TO GROOTE SCHUUR HOSPITAL, TYGERBERG HOSPITAL AND RED CROSS WAR MEMORIAL CHILDREN'S HOSPITAL FOR A PERIOD OF THREE (3) YEARS

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		1 ST YEAR			2 ND YEAR			3 RD YEAR		
		QTY Eac h	Unit Price (ZAR)	Total (ZAR)	QTY Eac h	Unit Price (ZAR)	Total (ZAR)	QTY Eac h	Unit Price (ZAR)	Total (ZAR)
21.	CO2 / Gas Line: - 0.2um gas-line filter placed +/- 15 cm down a 115cm line - sterile, single-packed	700			600			650		

IMPORTANT: THE QUESTIONNAIRE BELOW MUST BE COMPLETED IN FULL BY REPLY TO EACH AND EVERY QUESTION.

No.	A. Brand name	B. Product/catalogue codes	C. Country of manufacture	D. State packaging offered
21.				

WCBD 3.1/2

PRICING SCHEDULE (PURCHASES) – CHTRV: PT17/2026: THE APPOINTMENT OF A SERVICE PROVIDER FOR THE SUPPLY AND DELIVERY OF PERFUSION AND CARDIOTHORACIC SURGERY REQUIREMENTS TO GROOTE SCHUUR HOSPITAL, TYGERBERG HOSPITAL AND RED CROSS WAR MEMORIAL CHILDREN'S HOSPITAL FOR A PERIOD OF THREE (3) YEARS

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		1 ST YEAR			2 ND YEAR			3 RD YEAR		
		QTY Eac h	Unit Price (ZAR)	Total (ZAR)	QTY Eac h	Unit Price (ZAR)	Total (ZAR)	QTY Eac h	Unit Price (ZAR)	Total (ZAR)
22.	Male-male connector: - connection with male luers on each end - no tubing between the luers - sterile, single-packed	430			350			450		

IMPORTANT: THE QUESTIONNAIRE BELOW MUST BE COMPLETED IN FULL BY REPLY TO EACH AND EVERY QUESTION.

No.	A. Brand name	B. Product/catalogue codes	C. Country of manufacture	D. State packaging offered
22.				

WCBD 3.1/2

PRICING SCHEDULE (PURCHASES) – CHTRV: PT17/2026: THE APPOINTMENT OF A SERVICE PROVIDER FOR THE SUPPLY AND DELIVERY OF PERFUSION AND CARDIOTHORACIC SURGERY REQUIREMENTS TO GROOTE SCHUUR HOSPITAL, TYGERBERG HOSPITAL AND RED CROSS WAR MEMORIAL CHILDREN'S HOSPITAL FOR A PERIOD OF THREE (3) YEARS.

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		QTY Each	Unit Price (ZAR)	Total (ZAR)	QTY Each	Unit Price (ZAR)	Total (ZAR)	QTY Each	Unit Price (ZAR)	Total (ZAR)
23.	Air vent needle: - 18 Ga (1.2mm OD) needle of 3cm length with piece of tubing with clamp and hydrophobic filter - suitable for venting rigid containers - sterile, single-packed	600			600			600		

IMPORTANT: THE QUESTIONNAIRE BELOW MUST BE COMPLETED IN FULL BY REPLY TO EACH AND EVERY QUESTION.

No.	A. Brand name	B. Product/catalogue codes	C. Country of manufacture	D. State packaging offered
23.				

WCBD 3.1/2

PRICING SCHEDULE (PURCHASES) – CHTRV: PT17/2026: THE APPOINTMENT OF A SERVICE PROVIDER FOR THE SUPPLY AND DELIVERY OF PERFUSION AND CARDIOTHORACIC SURGERY REQUIREMENTS TO GROOTE SCHUUR HOSPITAL, TYGERBERG HOSPITAL AND RED CROSS WAR MEMORIAL CHILDREN'S HOSPITAL FOR A PERIOD OF THREE (3) YEARS

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		QTY Eac h	Unit Price (ZAR)	Total (ZAR)	QTY Eac h	Unit Price (ZAR)	Total (ZAR)	QTY Eac h	Unit Pric e (ZAR)	Total (ZAR)
24.	Pressure monitoring line: - minimum 240cm length - 3mm internal diameter - male luer at one end and female luer the other - sterile, single-packed	980			860			1000		

IMPORTANT: THE QUESTIONNAIRE BELOW MUST BE COMPLETED IN FULL BY REPLY TO EACH AND EVERY QUESTION.

No.	A. Brand name	B. Product/catalogue codes	C. Country of manufacture	D. State packaging offered
24.				

WCBD 3.1/2

PRICING SCHEDULE (PURCHASES) – CHTRV: PT17/2026: THE APPOINTMENT OF A SERVICE PROVIDER FOR THE SUPPLY AND DELIVERY OF PERFUSION AND CARDIOTHORACIC SURGERY REQUIREMENTS TO GROOTE SCHUUR HOSPITAL, TYGERBERG HOSPITAL AND RED CROSS WAR MEMORIAL CHILDREN'S HOSPITAL FOR A PERIOD OF THREE (3) YEARS

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		QTY Each	Unit Price (ZAR)	Total (ZAR)	QTY Each	Unit Price (ZAR)	Total (ZAR)	QTY Each	Unit Price (ZAR)	Total (ZAR)
25.	Purge line: - one-way valve +/- 10cm down a 75cm line - internal diameter ≤6mm - both ends terminating in male luers - each male luer pre-connected to the straight female luer of a standard 3-way tap - sterile, single-packed	240			220			240		

IMPORTANT: THE QUESTIONNAIRE BELOW MUST BE COMPLETED IN FULL BY REPLY TO EACH AND EVERY QUESTION.

No.	A. Brand name	B. Product/catalogue codes	C. Country of manufacture	D. State packaging offered
25.				

WCBD 3.1/2

PRICING SCHEDULE (PURCHASES) – CHTRV: PT17/2026: THE APPOINTMENT OF A SERVICE PROVIDER FOR THE SUPPLY AND DELIVERY OF PERFUSION AND CARDIOTHORACIC SURGERY REQUIREMENTS TO GROOTE SCHUUR HOSPITAL, TYGERBERG HOSPITAL AND RED CROSS WAR MEMORIAL CHILDREN'S HOSPITAL FOR A PERIOD OF THREE (3) YEARS

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26.	Transducer Protector: - pressure dome with internal membrane keeping blood separate from a transducer when reading - has a narrow male tip from the dome which is inserted into a 3-way tap for pressure measurement - has a narrow piece of tubing-line leading from the opposite side dome (to above) which is pre-connected to a 3-way tap for flushing - sterile, single-packed - see diagram 11 in Appendix A	280			260			280		

IMPORTANT: THE QUESTIONNAIRE BELOW MUST BE COMPLETED IN FULL BY REPLY TO EACH AND EVERY QUESTION.

No.	A. Brand name	B. Product/catalogue codes	C. Country of manufacture	D. State packaging offered
26.				

WCBD 3.1/2

PRICING SCHEDULE (PURCHASES) – CHTRV: PT17/2026: THE APPOINTMENT OF A SERVICE PROVIDER FOR THE SUPPLY AND DELIVERY OF PERFUSION AND CARDIOTHORACIC SURGERY REQUIREMENTS TO GROOTE SCHUUR HOSPITAL, TYGERBERG HOSPITAL AND RED CROSS WAR MEMORIAL CHILDREN'S HOSPITAL FOR A PERIOD OF THREE (3) YEARS

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		QTY Each	Unit Price (ZAR)	Total (ZAR)	QTY Each	Unit Price (ZAR)	Total (ZAR)	QTY Each	Unit Price (ZAR)	Total (ZAR)
27.	Guide Wire (for cannula insertion):									
27.1	0.35 inch; 260cm; 3mm; J-tip; Single-packed, sterile	170			70			120		
27.2	0.35 inch; 180cm; 3mm; J-tip; Single-packed, sterile	120			20			70		

IMPORTANT: THE QUESTIONNAIRE BELOW MUST BE COMPLETED IN FULL BY REPLY TO EACH AND EVERY QUESTION.

No.	A. Brand name	B. Product/catalogue codes	C. Country of manufacture	D. State packaging offered
27.1.				
27.2.				

WCBD 3.1/2

PRICING SCHEDULE (PURCHASES) – CHTRV: PT17/2026: THE APPOINTMENT OF A SERVICE PROVIDER FOR THE SUPPLY AND DELIVERY OF PERFUSION AND CARDIOTHORACIC SURGERY REQUIREMENTS TO GROOTE SCHUUR HOSPITAL, TYGERBERG HOSPITAL AND RED CROSS WAR MEMORIAL CHILDREN'S HOSPITAL FOR A PERIOD OF THREE (3) YEARS

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		QTY Each	Unit Price (ZAR)	Total (ZAR)	QTY Each	Unit Price (ZAR)	Total (ZAR)	QTY Each	Unit Price (ZAR)	Total (ZAR)
28.	Pulmonary artery vent: - soft, pliable tip - terminates with a female luer - Introducer needle included - 16Fr - approx. 15.2cm length - single packed, sterile	220			220			220		

IMPORTANT: THE QUESTIONNAIRE BELOW MUST BE COMPLETED IN FULL BY REPLY TO EACH AND EVERY QUESTION.

No.	A. Brand name	B. Product/catalogue codes	C. Country of manufacture	D. State packaging offered
28.				

WCBD 3.1/2

PRICING SCHEDULE (PURCHASES) – CHTRV: PT17/2026: THE APPOINTMENT OF A SERVICE PROVIDER FOR THE SUPPLY AND DELIVERY OF PERFUSION AND CARDIOTHORACIC SURGERY REQUIREMENTS TO GROOTE SCHUUR HOSPITAL, TYGERBERG HOSPITAL AND RED CROSS WAR MEMORIAL CHILDREN'S HOSPITAL FOR A PERIOD OF THREE (3) YEARS

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		QTY Each	Unit Price (ZAR)	Total (ZAR)	QTY Each	Unit Price (ZAR)	Total (ZAR)	QTY Each	Unit Price (ZAR)	Total (ZAR)
29.	Vent connections (VRV vent: Triple Action Valve): - triple action vent valve, with ¼" connections at each end - single-packed; sterile	160			120			160		

IMPORTANT: THE QUESTIONNAIRE BELOW MUST BE COMPLETED IN FULL BY REPLY TO EACH AND EVERY QUESTION.

No.	A. Brand name	B. Product/catalogue codes	C. Country of manufacture	D. State packaging offered
29.				

WCBD 3.1/2

PRICING SCHEDULE (PURCHASES) – CHTRV: PT17/2026: THE APPOINTMENT OF A SERVICE PROVIDER FOR THE SUPPLY AND DELIVERY OF PERFUSION AND CARDIOTHORACIC SURGERY REQUIREMENTS TO GROOTE SCHUUR HOSPITAL, TYGERBERG HOSPITAL AND RED CROSS WAR MEMORIAL CHILDREN'S HOSPITAL FOR A PERIOD OF THREE (3) YEARS

NAME OF BIDDER:

BID NUMBER: **CHTRV: PT17/2026**

CLOSING DATE AND TIME: **17 APRIL 2026 AT 11H00**
OFFERS SHALL BE VALID FOR **90** DAYS FROM CLOSING DATE OF BID

ITEM	DESCRIPTION OF PRODUCT	ESTIMATED QUANTITY & BID PRICE IN SA CURRENCY INCLUDING VAT								
		1 ST YEAR			2 ND YEAR			3 RD YEAR		
		QTY Each	Unit Price (ZAR)	Total (ZAR)	QTY Each	Unit Price (ZAR)	Total (ZAR)	QTY Each	Unit Price (ZAR)	Total (ZAR)
30.	External Fluid protection Filter with shut-off valve for Clinical Devices: Surgical / Suction / Aspiration Machines. (Vacuum guard): - plastic housing chamber with fluid filter inside - translucent housing allowing for fluid visualization - includes a 0.3-micron bacterial eliminating filter effective in removing 99.9% of pseudomonas - includes a ¼ in. (0.64 cm) Male x Female elbow for setting adaptability - Non-Sterile, Disposable, Single-use Function: prevents back flow of aerosols and fluids into the vacuum system of devices / consumables which do not contain an integrated shut-off valve. - see diagram 12 in Appendix A	250			100			100		

IMPORTANT: THE QUESTIONNAIRE BELOW MUST BE COMPLETED IN FULL BY REPLY TO EACH AND EVERY QUESTION.

No.	A. Brand name	B. Product/catalogue codes	C. Country of manufacture	D. State packaging offered
30.				

WCBD 3.1/2

PRICING SCHEDULE (PURCHASES) – CHTRV: PT17/2026: THE APPOINTMENT OF A SERVICE PROVIDER FOR THE SUPPLY AND DELIVERY OF PERFUSION AND CARDIOTHORACIC SURGERY REQUIREMENTS TO GROOTE SCHUUR HOSPITAL, TYGERBERG HOSPITAL AND RED CROSS WAR MEMORIAL CHILDREN'S HOSPITAL FOR A PERIOD OF THREE (3) YEARS

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		1 ST YEAR			2 ND YEAR			3 RD YEAR		
		QTY Each	Unit Price (ZAR)	Total (ZAR)	QTY Each	Unit Price (ZAR)	Total (ZAR)	QTY Each	Unit Price (ZAR)	Total (ZAR)
31.	Long aortic root needle / Cardioplegia needle (without vent): - aortic root cannula excluding vent line - radiopaque tip attached to clear PVC body - +/- 40cm length - standard tip with Stainless steel flow-guard introducer with protective cap over needle - 12 Ga, 9Fr	440			440			440		

IMPORTANT: THE QUESTIONNAIRE BELOW MUST BE COMPLETED IN FULL BY REPLY TO EACH AND EVERY QUESTION.

No.	A. Brand name	B. Product/catalogue codes	C. Country of manufacture	D. State packaging offered
31.				

WCBD 3.1/2

PRICING SCHEDULE (PURCHASES) – CHTRV: PT17/2026: THE APPOINTMENT OF A SERVICE PROVIDER FOR THE SUPPLY AND DELIVERY OF PERFUSION AND CARDIOTHORACIC SURGERY REQUIREMENTS TO GROOTE SCHUUR HOSPITAL, TYGERBERG HOSPITAL AND RED CROSS WAR MEMORIAL CHILDREN'S HOSPITAL FOR A PERIOD OF THREE (3) YEARS

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		QTY Each	Unit Price (ZAR)	Total (ZAR)	QTY Each	Unit Price (ZAR)	Total (ZAR)	QTY Each	Unit Price (ZAR)	Total (ZAR)
32.	Aortic Punch: - sharp, dual cutting edge, with conical tip - two handle lengths for better control and manoeuvrability - Single-packed, sterile: Size range: 2.5mm – 6.0mm									
32.1	2.5mm	62			42			42		
32.2	3.0mm	62			32			32		
32.3	3.5mm	62			32			32		
32.4	4.0mm	270			240			240		
32.5	4.5 mm	170			170			170		
32.6	4.8mm	80			80			80		
32.7	5.0mm	200			170			190		

IMPORTANT: THE QUESTIONNAIRE BELOW MUST BE COMPLETED IN FULL BY REPLY TO EACH AND EVERY QUESTION.

No.	A. Brand name	B. Product/catalogue codes	C. Country of manufacture	D. State packaging offered
32.1.				
32.2.				
32.3.				
32.4.				
32.5.				
32.6.				
32.7.				

WCBD 3.1/2

PRICING SCHEDULE (PURCHASES) – CHTRV: PT17/2026: THE APPOINTMENT OF A SERVICE PROVIDER FOR THE SUPPLY AND DELIVERY OF PERFUSION AND CARDIOTHORACIC SURGERY REQUIREMENTS TO GROOTE SCHUUR HOSPITAL, TYGERBERG HOSPITAL AND RED CROSS WAR MEMORIAL CHILDREN'S HOSPITAL FOR A PERIOD OF THREE (3) YEARS

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		QTY Each	Unit Price (ZAR)	Total (ZAR)	QTY Each	Unit Price (ZAR)	Total (ZAR)	QTY Each	Unit Price (ZAR)	Total (ZAR)
33.	Retrograde cardioplegia cannula: Three Types –									
33.1	- self-inflating balloon; textured balloon - ergonomic handle - 14Fr (4.7mm) - 27cm (10.6") length - Single-packed, sterile	500			500			500		
33.2	- 15 Fr (5.0mm) - 31.8 cm silicone encapsulated wire wounded body - smooth manual inflate cuff - integral stopcock - smooth cuff and syringe cuff inflation	500			500			500		
33.3	- 15 Fr (5.0mm) - 31.8 cm silicone encapsulated wire wounded body - smooth Preformed auto inflate cuffs with pressure monitoring lines - integral stopcock	350			350			350		

IMPORTANT: THE QUESTIONNAIRE BELOW MUST BE COMPLETED IN FULL BY REPLY TO EACH AND EVERY QUESTION.

No.	A. Brand name	B. Product/catalogue codes	C. Country of manufacture	D. State packaging offered
33.1.				
33.2.				
33.3.				

WCBD 3.1/2

PRICING SCHEDULE (PURCHASES) – CHTRV: PT17/2026: THE APPOINTMENT OF A SERVICE PROVIDER FOR THE SUPPLY AND DELIVERY OF PERFUSION AND CARDIOTHORACIC SURGERY REQUIREMENTS TO GROOTE SCHUUR HOSPITAL, TYGERBERG HOSPITAL AND RED CROSS WAR MEMORIAL CHILDREN'S HOSPITAL FOR A PERIOD OF THREE (3) YEARS.

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		QTY Each	Unit Price (ZAR)	Total (ZAR)	QTY Each	Unit Price (ZAR)	Total (ZAR)	QTY Each	Unit Price (ZAR)	Total (ZAR)
34.	Connectors: - PVC or similar bio-suitable material - barbed connections - sterile; single-packed Varying configurations as stipulated - Sizes in inches:									
34.1	3/8-3/8 straight	450			360			360		
34.2	3/8-3/8 straight with luer	450			360			360		
34.3	3/8-3/8-3/8 Y	550			480			500		
34.4	3/8-3/8-3/8 Y with luer	240			240			240		
34.5	1/2-1/2 straight	370			280			280		
34.6	1/2-1/2-1/2 Y	140			120			120		
34.7	1/2-3/8 straight	450			380			380		
34.8	1/4-1/4 straight	550			450			500		
34.9	1/4-1/4 straight with luer	650			600			650		
34.10	1/4-1/4-1/4 Y	470			420			470		
34.11	1/4-1/4-1/4 Y with luer	170			170			170		
34.12	3/8-1/4-1/4 Y	260			170			170		
34.13	3/8-1/4-1/4 Y with luer	170			140			140		
34.14	1/2-1/2-3/8 Y	120			120			120		
34.15	3/8-3/8-1/2 Y	700			700			700		
34.16	3/8-3/8-1/4	250			250			250		
34.17	1/4-3/16 straight	520			420			470		
34.18	3/16-3/16 straight	420			370			320		
34.19	3/16-3/16 straight with luer	270			270			270		
34.20	1/2-1/2-1/4	220			220			220		
34.21	3/8-1/4	500			450			500		
34.22	3/16-Y	140			140			140		

IMPORTANT: THE QUESTIONNAIRE BELOW MUST BE COMPLETED IN FULL BY REPLY TO EACH AND EVERY QUESTION.

No.	A. Brand name	B. Product/catalogue codes	C. Country of manufacture	D. State packaging offered
34.1.				
34.2.				
34.3.				
34.4.				
34.5.				
34.6.				
34.7.				
34.8.				
34.9.				
34.10.				
34.11.				
34.12.				
34.13.				
34.14.				
34.15.				
34.16.				
34.17.				
34.18.				
34.19.				
34.20.				
34.21.				
34.22.				

WCBD 3.1/2

PRICING SCHEDULE (PURCHASES) – CHTRV: PT17/2026: THE APPOINTMENT OF A SERVICE PROVIDER FOR THE SUPPLY AND DELIVERY OF PERFUSION AND CARDIOTHORACIC SURGERY REQUIREMENTS TO GROOTE SCHUUR HOSPITAL, TYGERBERG HOSPITAL AND RED CROSS WAR MEMORIAL CHILDREN'S HOSPITAL FOR A PERIOD OF THREE (3) YEARS.

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		QTY Each	Unit Price (ZAR)	Total (ZAR)	QTY Each	Unit Price (ZAR)	Total (ZAR)	QTY Each	Unit Price (ZAR)	Total (ZAR)
35.	Straight-tip aortic arterial cannula: - bevelled thin-walled tips attached to tapered cannula bodies - approx. 7 in (17.8 cm) overall length - connection site 3/8 inch (0.95 cm) with vented 3/8 inch connector - plug / cap on cannula included - single-packed, sterile									
35.1	18Fr with vented connector included	160			140			140		
35.2	20Fr with vented connector included	140			140			140		
35.3	22Fr with vented connector included	360			360			360		
35.4	24Fr with vented connector included	500			500			500		

IMPORTANT: THE QUESTIONNAIRE BELOW MUST BE COMPLETED IN FULL BY REPLY TO EACH AND EVERY QUESTION.

No.	A. Brand name	B. Product/catalogue codes	C. Country of manufacture	D. State packaging offered
35.1.				
35.2.				
35.3.				
35.4.				

WCBD 3.1/2

PRICING SCHEDULE (PURCHASES) – CHTRV: PT17/2026: THE APPOINTMENT OF A SERVICE PROVIDER FOR THE SUPPLY AND DELIVERY OF PERFUSION AND CARDIOTHORACIC SURGERY REQUIREMENTS TO GROOTE SCHUUR HOSPITAL, TYGERBERG HOSPITAL AND RED CROSS WAR MEMORIAL CHILDREN'S HOSPITAL FOR A PERIOD OF THREE (3) YEARS

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		QTY <i>Each</i>	Unit Price <i>(ZAR)</i>	Total <i>(ZAR)</i>	QTY <i>Each</i>	Unit Price <i>(ZAR)</i>	Total <i>(ZAR)</i>	QTY <i>Each</i>	Unit Price <i>(ZAR)</i>	Total <i>(ZAR)</i>
36.	Straight-tip aortic arterial cannula: - bevelled thin-walled tips attached to tapered cannula bodies - approx. 7 in (17.8 cm) overall length - connection site 3/8 inch - non-vented 3/8 in (0.95 cm) connector - plug / cap on cannula included - single-packed, sterile									
36.1	18 Fr with non-vented connector	120			120			120		
36.2	20 Fr with non-vented connector	100			100			100		
36.3	22 Fr with non-vented connector	300			300			300		
36.4	24 Fr with non-vented connector	300			300			300		

IMPORTANT: THE QUESTIONNAIRE BELOW MUST BE COMPLETED IN FULL BY REPLY TO EACH AND EVERY QUESTION.

No.	A. Brand name	B. Product/catalogue codes	C. Country of manufacture	D. State packaging offered
36.1				
36.2				
36.3				
36.4				

WCBD 3.1/2

PRICING SCHEDULE (PURCHASES) – CHTRV: PT17/2026: THE APPOINTMENT OF A SERVICE PROVIDER FOR THE SUPPLY AND DELIVERY OF PERFUSION AND CARDIOTHORACIC SURGERY REQUIREMENTS TO GROOTE SCHUUR HOSPITAL, TYGERBERG HOSPITAL AND RED CROSS WAR MEMORIAL CHILDREN'S HOSPITAL FOR A PERIOD OF THREE (3) YEARS

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		QTY Each	Unit Price (ZAR)	Total (ZAR)	QTY Each	Unit Price (ZAR)	Total (ZAR)	QTY Each	Unit Price (ZAR)	Total (ZAR)
37.	Angled Aortic arterial cannula: - +/- 30cm overall length - 45° tip - connection site 3/8 inch - one piece, kink resistant body - vented 3/8 in (0.95 cm) connector (where stipulated with easy-to-remove connector cap - single-packed, sterile									
37.1	18Fr with connector included	40			40			40		
37.2	20Fr with connector included	60			60			60		
37.3	22Fr with connector included	110			110			110		
37.4	24Fr with connector included	500			500			500		

IMPORTANT: THE QUESTIONNAIRE BELOW MUST BE COMPLETED IN FULL BY REPLY TO EACH AND EVERY QUESTION.

No.	A. Brand name	B. Product/catalogue codes	C. Country of manufacture	D. State packaging offered
37.1.				
37.2.				
37.3.				
37.4.				

WCBD 3.1/2

PRICING SCHEDULE (PURCHASES) – CHTRV: PT17/2026: THE APPOINTMENT OF A SERVICE PROVIDER FOR THE SUPPLY AND DELIVERY OF PERFUSION AND CARDIOTHORACIC SURGERY REQUIREMENTS TO GROOTE SCHUUR HOSPITAL, TYGERBERG HOSPITAL AND RED CROSS WAR MEMORIAL CHILDREN'S HOSPITAL FOR A PERIOD OF THREE (3) YEARS

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		QTY Eac h	Unit Price (ZAR)	Total (ZAR)	QTY Eac h	Unit Price (ZAR)	Total (ZAR)	QTY Eac h	Unit Price (ZAR)	Total (ZAR)
38.	Elongated Arterial Cannula (with vented 3/8-inch connector): - cannula with thin wall tips with elongated, one piece, kink resistant wire-wound body - includes blunt tip - includes introducer and hemostasis cap - depth markings and adjustable radiopaque suture ring - +/- 30,5cm length - single-packed, sterile									
38.1	12Fr	110			90			130		
38.2	14Fr	110			90			130		
38.3	16Fr	110			90			130		
38.4	18Fr	100			80			80		
38.5	20Fr	180			180			180		
38.6	22Fr	300			300			300		
38.7	24Fr	350			350			350		

IMPORTANT: THE QUESTIONNAIRE BELOW MUST BE COMPLETED IN FULL BY REPLY TO EACH AND EVERY QUESTION.

No.	A. Brand name	B. Product/catalogue codes	C. Country of manufacture	D. State packaging offered
38.1.				
38.2.				
38.3.				
38.4.				
38.5.				
38.6.				
38.7.				

WCBD 3.1/2

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		QTY Each	Unit Price (ZAR)	Total (ZAR)	QTY Each	Unit Price (ZAR)	Total (ZAR)	QTY Each	Unit Price (ZAR)	Total (ZAR)
39.	Elongated Arterial Cannula (with NON-vented 3/8-inch connector): - cannula with thin wall tips with elongated, one piece, kink resistant wire-wound body - includes blunt tip - includes introducer and hemostasis cap - depth markings and adjustable radiopaque suture ring - +/- 30,5cm length - single-packed, sterile									
39.1	12Fr	40			40			40		
39.2	14Fr	40			40			40		
39.3	16Fr	40			40			40		
39.4	18Fr	60			60			60		
39.5	20Fr	100			100			100		
39.6	22Fr	200			200			200		
39.7	24Fr	200			200			200		

IMPORTANT: THE QUESTIONNAIRE BELOW MUST BE COMPLETED IN FULL BY REPLY TO EACH AND EVERY QUESTION.

No.	A. Brand name	B. Product/catalogue codes	C. Country of manufacture	D. State packaging offered
39.1.				
39.2				
39.3.				
39.4.				
39.5.				
39.6.				
39.7.				

WCBD 3.1/2

PRICING SCHEDULE (PURCHASES) – CHTRV: PT17/2026: THE APPOINTMENT OF A SERVICE PROVIDER FOR THE SUPPLY AND DELIVERY OF PERFUSION AND CARDIOTHORACIC SURGERY REQUIREMENTS TO GROOTE SCHUUR HOSPITAL, TYGERBERG HOSPITAL AND RED CROSS WAR MEMORIAL CHILDREN'S HOSPITAL FOR A PERIOD OF THREE (3) YEARS

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40.	Arterial Cannula for Minimally Invasive Surgery (MICS) and / or Arterial Cannula for alternate / additional arterial cannulation, such as axillary and subclavian: - has an introducer with blunt tip configuration - has a lock feature reduces push-back of the introducer during insertion - has a vent cap to reduce back-bleed when no guidewire is used in the procedure - depth markings to aid in placement - single-packed, sterile Size range -									
40.1	16Fr	10			10			10		
40.2	18Fr	20			20			20		
40.3	20Fr	30			30			30		
40.4	22Fr	30			30			30		

IMPORTANT: THE QUESTIONNAIRE BELOW MUST BE COMPLETED IN FULL BY REPLY TO EACH AND EVERY QUESTION.

No.	A. Brand name	B. Product/catalogue codes	C. Country of manufacture	D. State packaging offered
40.1.				
40.2.				
40.3.				
40.4.				

WCBD 3.1/2

PRICING SCHEDULE (PURCHASES) – CHTRV: PT17/2026: THE APPOINTMENT OF A SERVICE PROVIDER FOR THE SUPPLY AND DELIVERY OF PERFUSION AND CARDIOTHORACIC SURGERY REQUIREMENTS TO GROOTE SCHUUR HOSPITAL, TYGERBERG HOSPITAL AND RED CROSS WAR MEMORIAL CHILDREN'S HOSPITAL FOR A PERIOD OF THREE (3) YEARS

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		QTY Each	Unit Price (ZAR)	Total (ZAR)	QTY Each	Unit Price (ZAR)	Total (ZAR)	QTY Each	Unit Price (ZAR)	Total (ZAR)
41.	Insertion kit for Arterial cannula for MICS and Femoral Arterial Cannula: percutaneous arterial introducer kit: - Kit must include: Size 11 scalpel 18 ga. Insertion needle 5 ml syringe Three dilators: 8 Fr./12 Fr./16 Fr 0.038-inch guidewire 180+ cm Hemostasis cap (optional) - single-packed, sterile	250			235			340		

IMPORTANT: THE QUESTIONNAIRE BELOW MUST BE COMPLETED IN FULL BY REPLY TO EACH AND EVERY QUESTION.

No.	A. Brand name	B. Product/catalogue codes	C. Country of manufacture	D. State packaging offered
41.				

WCBD 3.1/2

PRICING SCHEDULE (PURCHASES) – CHTRV: PT17/2026: THE APPOINTMENT OF A SERVICE PROVIDER FOR THE SUPPLY AND DELIVERY OF PERFUSION AND CARDIOTHORACIC SURGERY REQUIREMENTS TO GROOTE SCHUUR HOSPITAL, TYGERBERG HOSPITAL AND RED CROSS WAR MEMORIAL CHILDREN'S HOSPITAL FOR A PERIOD OF THREE (3) YEARS

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		QTY Each	Unit Price (ZAR)	Total (ZAR)	QTY Each	Unit Price (ZAR)	Total (ZAR)	QTY Each	Unit Price (ZAR)	Total (ZAR)
42.	Femoral Arterial or Jugular venous cannula with insertion kit: - wire-wound, kink-resistant venous cannula with tapered tip - marked at 5cm intervals to indicate insertion depth - includes kit for percutaneous insertion: components: introducer(s), guidewire and connector hub - terminates in 3/8 inch. (9.5 mm) barbed connector - single-packed, sterile Size Range –									
42.1	17 Fr	40			40			40		
42.2	21 Fr	50			50			50		

IMPORTANT: THE QUESTIONNAIRE BELOW MUST BE COMPLETED IN FULL BY REPLY TO EACH AND EVERY QUESTION.

No.	A. Brand name	B. Product/catalogue codes	C. Country of manufacture	D. State packaging offered
42.1.				
42.2.				

WCBD 3.1/2

PRICING SCHEDULE (PURCHASES) – CHTRV: PT17/2026: THE APPOINTMENT OF A SERVICE PROVIDER FOR THE SUPPLY AND DELIVERY OF PERFUSION AND CARDIOTHORACIC SURGERY REQUIREMENTS TO GROOTE SCHUUR HOSPITAL, TYGERBERG HOSPITAL AND RED CROSS WAR MEMORIAL CHILDREN'S HOSPITAL FOR A PERIOD OF THREE (3) YEARS

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		1 ST YEAR			2 ND YEAR			3 RD YEAR		
		QTY Each	Unit Price (ZAR)	Total (ZAR)	QTY Each	Unit Price (ZAR)	Total (ZAR)	QTY Each	Unit Price (ZAR)	Total (ZAR)
43.	Straight, single stage venous cannula: - one piece, kink resistant, wire-wound body with tapered, multi-port tip - +/- 12-15 inches (30.5 - 38.1 cm) overall length - connection site 3/8 in (0.95 cm) - single-packed, sterile Size Range -									
43.1	26Fr	260			220			240		
43.2	28Fr	460			400			420		
43.3	30Fr	500			440			460		
43.4	32Fr	600			540			560		
43.5	34Fr	300			400			400		
43.6	36Fr	300			300			300		

IMPORTANT: THE QUESTIONNAIRE BELOW MUST BE COMPLETED IN FULL BY REPLY TO EACH AND EVERY QUESTION.

No.	A. Brand name	B. Product/catalogue codes	C. Country of manufacture	D. State packaging offered
43.1.				
43.2.				
43.3.				
43.4.				
43.5.				
43.6.				

WCBD 3.1/2

PRICING SCHEDULE (PURCHASES) – CHTRV: PT17/2026: THE APPOINTMENT OF A SERVICE PROVIDER FOR THE SUPPLY AND DELIVERY OF PERFUSION AND CARDIOTHORACIC SURGERY REQUIREMENTS TO GROOTE SCHUUR HOSPITAL, TYGERBERG HOSPITAL AND RED CROSS WAR MEMORIAL CHILDREN'S HOSPITAL FOR A PERIOD OF THREE (3) YEARS

NAME OF BIDDER:

BID NUMBER: CHTRV: PT17/2026

CLOSING DATE AND TIME: **17 APRIL 2026 AT 11H00**

OFFERS SHALL BE VALID FOR **90** DAYS FROM CLOSING DATE OF BID

ITEM	DESCRIPTION OF PRODUCT	ESTIMATED QUANTITY & BID PRICE IN SA CURRENCY INCLUDING VAT								
		1 ST YEAR			2 ND YEAR			3 RD YEAR		
		QTY Each	Unit Price (ZAR)	Total (ZAR)	QTY Each	Unit Price (ZAR)	Total (ZAR)	QTY Each	Unit Price (ZAR)	Total (ZAR)
44.	Angled single stage venous cannulae: - one piece, kink resistant, wire-wound body with tapered, multi-port tip at a right angle - +/- 12-15 inches (30.5 - 38.1 cm) overall length - Connection site 3/8 in (0.95 cm) - single-packed, sterile Size Range -									
44.1	26Fr	30			30			30		
44.2	28Fr	40			40			40		
44.3	30Fr	80			80			80		
44.4	32Fr	120			120			120		
44.5	34Fr	120			120			120		
44.6	36Fr	120			120			120		
44.7	38Fr	50			50			50		
44.8	40Fr	50			50			50		

IMPORTANT: THE QUESTIONNAIRE BELOW MUST BE COMPLETED IN FULL BY REPLY TO EACH AND EVERY QUESTION.

No.	A. Brand name	B. Product/catalogue codes	C. Country of manufacture	D. State packaging offered
44.1.				
44.2.				
44.3.				
44.4.				
44.5.				
44.6.				
44.7.				
44.8.				

WCBD 3.1/2

PRICING SCHEDULE (PURCHASES) – CHTRV: PT17/2026: THE APPOINTMENT OF A SERVICE PROVIDER FOR THE SUPPLY AND DELIVERY OF PERFUSION AND CARDIOTHORACIC SURGERY REQUIREMENTS TO GROOTE SCHUUR HOSPITAL, TYGERBERG HOSPITAL AND RED CROSS WAR MEMORIAL CHILDREN'S HOSPITAL FOR A PERIOD OF THREE (3) YEARS

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		QTY Each	Unit Price (ZAR)	Total (ZAR)	QTY Each	Unit Price (ZAR)	Total (ZAR)	QTY Each	Unit Price (ZAR)	Total (ZAR)
45.	Dual Stage straight venous cannula: - one-piece, kink resistant, wire-reinforced body - tips must have multiple ports design to increase venous drainage - designed to resist against cannula wall collapse (wire wound) - 3/8 inch connection site - single-packed, sterile Size Range -									
45.1	29/37Fr	380			360			380		
45.2	36/46Fr	400			400			400		
45.3	29/29Fr	200			160			160		
45.4	34/46Fr	450			450			450		
45.5	32/40Fr with oval body	310			310			310		
45.6	32/40Fr with flat body	110			110			110		

IMPORTANT: THE QUESTIONNAIRE BELOW MUST BE COMPLETED IN FULL BY REPLY TO EACH AND EVERY QUESTION.

No.	A. Brand name	B. Product/catalogue codes	C. Country of manufacture	D. State packaging offered
45.1.				
45.2.				
45.3.				
45.4.				
45.5.				
45.6.				

WCBD 3.1/2

PRICING SCHEDULE (PURCHASES) – CHTRV: PT17/2026: THE APPOINTMENT OF A SERVICE PROVIDER FOR THE SUPPLY AND DELIVERY OF PERFUSION AND CARDIOTHORACIC SURGERY REQUIREMENTS TO GROOTE SCHUUR HOSPITAL, TYGERBERG HOSPITAL AND RED CROSS WAR MEMORIAL CHILDREN'S HOSPITAL FOR A PERIOD OF THREE (3) YEARS

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ITEM	DESCRIPTION OF PRODUCT	ESTIMATED QUANTITY & BID PRICE IN SA CURRENCY INCLUDING VAT								
		1 ST YEAR			2 ND YEAR			3 RD YEAR		
		QTY Each	Unit Price (ZAR)	Total (ZAR)	QTY Each	Unit Price (ZAR)	Total (ZAR)	QTY Each	Unit Price (ZAR)	Total (ZAR)
46.	Dual stage venous cannula with swirl tips and slotted atrial baskets: - kink-resistant, wire-wound bodies that feature depth markings - 15 in (38.1 cm) overall - non-vented 1/2 in (1.27 cm) connector Size Range -									
46.1	34/38 Fr (11.3/12.7 mm)	210			210			210		
46.2	34/38 Fr (11.3/12.7 mm) with Oval body	110			110			110		
46.3	34/48 Fr (11.3/12.7 mm) with Oval body	160			160			160		

IMPORTANT: THE QUESTIONNAIRE BELOW MUST BE COMPLETED IN FULL BY REPLY TO EACH AND EVERY QUESTION.

No.	A. Brand name	B. Product/catalogue codes	C. Country of manufacture	D. State packaging offered
46.1.				
46.2.				
46.3.				

WCBD 3.1/2

PRICING SCHEDULE (PURCHASES) – CHTRV: PT17/2026: THE APPOINTMENT OF A SERVICE PROVIDER FOR THE SUPPLY AND DELIVERY OF PERFUSION AND CARDIOTHORACIC SURGERY REQUIREMENTS TO GROOTE SCHUUR HOSPITAL, TYGERBERG HOSPITAL AND RED CROSS WAR MEMORIAL CHILDREN'S HOSPITAL FOR A PERIOD OF THREE (3) YEARS

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		QTY <i>Each</i>	Unit Price <i>(ZAR)</i>	Total <i>(ZAR)</i>	QTY <i>Each</i>	Unit Price <i>(ZAR)</i>	Total <i>(ZAR)</i>	QTY <i>Each</i>	Unit Price <i>(ZAR)</i>	Total <i>(ZAR)</i>
47.	Three stage venous cannula: - 15.5 in (39 cm) overall length - Non-vented 3/8 in (0.95 cm) connector Size 29/46/37 Fr (9.7/15.3/12.3 mm)	110			110			110		

IMPORTANT: THE QUESTIONNAIRE BELOW MUST BE COMPLETED IN FULL BY REPLY TO EACH AND EVERY QUESTION.

No.	A. Brand name	B. Product/catalogue codes	C. Country of manufacture	D. State packaging offered
47.				

WCBD 3.1/2

PRICING SCHEDULE (PURCHASES) – CHTRV: PT17/2026: THE APPOINTMENT OF A SERVICE PROVIDER FOR THE SUPPLY AND DELIVERY OF PERFUSION AND CARDIOTHORACIC SURGERY REQUIREMENTS TO GROOTE SCHUUR HOSPITAL, TYGERBERG HOSPITAL AND RED CROSS WAR MEMORIAL CHILDREN'S HOSPITAL FOR A PERIOD OF THREE (3) YEARS

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ITEM	DESCRIPTION OF PRODUCT	ESTIMATED QUANTITY & BID PRICE IN SA CURRENCY INCLUDING VAT								
		1 ST YEAR			2 ND YEAR			3 RD YEAR		
		QTY Each	Unit Price (ZAR)	Total (ZAR)	QTY Each	Unit Price (ZAR)	Total (ZAR)	QTY Each	Unit Price (ZAR)	Total (ZAR)
48.	Single stage right-angled metal tip venous cannula: - one-piece, kink resistant, wire-reinforced body - right-angled metal tip: beveled with multi-ports - body includes tip orientation line - terminates in 3/8-inch connection site - single-packed, sterile Size Range -									
48.1	16Fr	300			200			250		
48.2	18Fr	300			200			250		
48.3	20Fr	320			220			270		
48.4	22Fr	280			230			280		
48.5	24Fr	340			290			340		
48.6	28Fr	390			340			390		
48.7	31 Fr	320			270			370		

IMPORTANT: THE QUESTIONNAIRE BELOW MUST BE COMPLETED IN FULL BY REPLY TO EACH AND EVERY QUESTION.

No.	A. Brand name	B. Product/catalogue codes	C. Country of manufacture	D. State packaging offered
48.1.				
48.2.				
48.3.				
48.4.				
48.5.				
48.6.				
48.7.				

WCBD 3.1/2

PRICING SCHEDULE (PURCHASES) – CHTRV: PT17/2026: THE APPOINTMENT OF A SERVICE PROVIDER FOR THE SUPPLY AND DELIVERY OF PERFUSION AND CARDIOTHORACIC SURGERY REQUIREMENTS TO GROOTE SCHUUR HOSPITAL, TYGERBERG HOSPITAL AND RED CROSS WAR MEMORIAL CHILDREN'S HOSPITAL FOR A PERIOD OF THREE (3) YEARS

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		QTY Each	Unit Price (ZAR)	Total (ZAR)	QTY Each	Unit Price (ZAR)	Total (ZAR)	QTY Each	Unit Price (ZAR)	Total (ZAR)
49.	Insertion kit for venous cannula for MICS and femoral venous cannula: percutaneous venous introducer kit: Kit must include: - size 11 scalpel - 18 Ga. Insertion needle - 5 ml syringe - three dilators: 8 Fr./12 Fr./16 Fr - 0.038-inch guidewire 260+ cm - Hemostasis cap (optional) - single-packed, sterile	200			200			200		

IMPORTANT: THE QUESTIONNAIRE BELOW MUST BE COMPLETED IN FULL BY REPLY TO EACH AND EVERY QUESTION.

No.	A. Brand name	B. Product/catalogue codes	C. Country of manufacture	D. State packaging offered
49.				

WCBD 3.1/2

PRICING SCHEDULE (PURCHASES) – CHTRV: PT17/2026: THE APPOINTMENT OF A SERVICE PROVIDER FOR THE SUPPLY AND DELIVERY OF PERFUSION AND CARDIOTHORACIC SURGERY REQUIREMENTS TO GROOTE SCHUUR HOSPITAL, TYGERBERG HOSPITAL AND RED CROSS WAR MEMORIAL CHILDREN'S HOSPITAL FOR A PERIOD OF THREE (3) YEARS

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		QTY <i>Each</i>	Unit Price <i>(ZAR)</i>	Total <i>(ZAR)</i>	QTY <i>Each</i>	Unit Price <i>(ZAR)</i>	Total <i>(ZAR)</i>	QTY <i>Each</i>	Unit Price <i>(ZAR)</i>	Total <i>(ZAR)</i>
50.	Femoral venous cannula with insertion kit: - wire-wound, kink-resistant venous cannula with tapered tip - marked at 5cm intervals to indicate insertion depth - includes kit for percutaneous insertion: components: introducer(s), guidewire and connector hub - terminates in 3/8 inch. (9.5 mm) barbed connector - single-packed, sterile Size Range –									
50.1	17 Fr	40			35			40		
50.2	21Fr	40			35			40		
50.3	25Fr	35			30			45		

IMPORTANT: THE QUESTIONNAIRE BELOW MUST BE COMPLETED IN FULL BY REPLY TO EACH AND EVERY QUESTION.

No.	A. Brand name	B. Product/catalogue codes	C. Country of manufacture	D. State packaging offered
50.1.				
50.2.				
50.3.				

WCBD 3.1/2

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		1 ST YEAR			2 ND YEAR			3 RD YEAR		
		QTY Each	Unit Price (ZAR)	Total (ZAR)	QTY Each	Unit Price (ZAR)	Total (ZAR)	QTY Each	Unit Price (ZAR)	Total (ZAR)
51.	Single stage malleable venous cannula: - one-piece, kink resistant, wire-reinforced body - malleable design to accommodate surgeon shaping, angling and positioning - tapered multi-port tip - 3/8-inch connection site - single-packed, sterile Size Range –									
51.1	26Fr	110			110			110		
51.2	28Fr	310			310			310		
51.3	30Fr	310			310			310		
51.4	32Fr	310			310			310		
51.5	34Fr	210			210			210		

IMPORTANT: THE QUESTIONNAIRE BELOW MUST BE COMPLETED IN FULL BY REPLY TO EACH AND EVERY QUESTION.

No.	A. Brand name	B. Product/catalogue codes	C. Country of manufacture	D. State packaging offered
51.1				
51.2				
51.3				
51.4				
51.5				

WCBD 3.1/2

PRICING SCHEDULE (PURCHASES) – CHTRV: PT17/2026: THE APPOINTMENT OF A SERVICE PROVIDER FOR THE SUPPLY AND DELIVERY OF PERFUSION AND CARDIOTHORACIC SURGERY REQUIREMENTS TO GROOTE SCHUUR HOSPITAL, TYGERBERG HOSPITAL AND RED CROSS WAR MEMORIAL CHILDREN'S HOSPITAL FOR A PERIOD OF THREE (3) YEARS.

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		QTY Each	Unit Price (ZAR)	Total (ZAR)	QTY Each	Unit Price (ZAR)	Total (ZAR)	QTY Each	Unit Price (ZAR)	Total (ZAR)
52.	Adult Arterial ECMO Cannula: - polyurethane cannula body - wire-reinforced, thin walls - lockable introducer - depth marks to optimize insertion - biocompatible coating - approval of 30 days' application time - single-packed, sterile Size Range –									
52.1	13Fr	30			25			25		
52.2	15Fr	30			25			25		
52.3	17Fr	45			40			40		
52.4	19Fr	75			70			70		
52.5	21Fr	95			90			90		
52.6	23Fr	95			90			90		

IMPORTANT: THE QUESTIONNAIRE BELOW MUST BE COMPLETED IN FULL BY REPLY TO EACH AND EVERY QUESTION.

No.	A. Brand name	B. Product/catalogue codes	C. Country of manufacture	D. State packaging offered
52.1.				
52.2.				
52.3.				
52.4.				
52.5.				
52.6.				

WCBD 3.1/2

PRICING SCHEDULE (PURCHASES) – CHTRV: PT17/2026: THE APPOINTMENT OF A SERVICE PROVIDER FOR THE SUPPLY AND DELIVERY OF PERFUSION AND CARDIOTHORACIC SURGERY REQUIREMENTS TO GROOTE SCHUUR HOSPITAL, TYGERBERG HOSPITAL AND RED CROSS WAR MEMORIAL CHILDREN'S HOSPITAL FOR A PERIOD OF THREE (3) YEARS

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		1 ST YEAR			2 ND YEAR			3 RD YEAR		
		QTY Each	Unit Price (ZAR)	Total (ZAR)	QTY Each	Unit Price (ZAR)	Total (ZAR)	QTY Each	Unit Price (ZAR)	Total (ZAR)
53.	Percutaneous insertion kit for adult arterial ECMO cannula: - multi-dilators – 10-18Fr - 0.038inch 100cm J-tip guidewire - guidewire advancer - 18Ga needle - small blade - 10cc syringe - single-packed, sterile	110			110			110		

IMPORTANT: THE QUESTIONNAIRE BELOW MUST BE COMPLETED IN FULL BY REPLY TO EACH AND EVERY QUESTION.

No.	A. Brand name	B. Product/catalogue codes	C. Country manufacture of	D. State packaging offered
53.				

WCBD 3.1/2

PRICING SCHEDULE (PURCHASES) – CHTRV: PT17/2026: THE APPOINTMENT OF A SERVICE PROVIDER FOR THE SUPPLY AND DELIVERY OF PERFUSION AND CARDIOTHORACIC SURGERY REQUIREMENTS TO GROOTE SCHUUR HOSPITAL, TYGERBERG HOSPITAL AND RED CROSS WAR MEMORIAL CHILDREN'S HOSPITAL FOR A PERIOD OF THREE (3) YEARS

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		1 ST YEAR			2 ND YEAR			3 RD YEAR		
		QTY Each	Unit Price (ZAR)	Total (ZAR)	QTY Each	Unit Price (ZAR)	Total (ZAR)	QTY Each	Unit Price (ZAR)	Total (ZAR)
54.	Universal Vascular Access Kit with a selection of dilator sizes to accommodate varying patient anatomies: - compatible with single-lumen arterial and venous cannulae and jugular dual lumen catheters - Contents of one kit: * stepped flexible-tipped dilators that have a long tip that gradually tapers, incl. sizes 8/10Fr, 13Fr, 16Fr, 20Fr, 24Fr, 26Fr, and 28Fr. Dilators must be clearly marked and facilitate efficient insertion and removal * J-tip Guidewire 0.038 in (0.97 mm) x 71 in (180 cm) with depth mark increments * # 11 safety scalpel that locks into place with one-handed activation * 18 Gauge needle * 10cc syringe - kits single-packed, sterile, for single use	175			175			175		

IMPORTANT: THE QUESTIONNAIRE BELOW MUST BE COMPLETED IN FULL BY REPLY TO EACH AND EVERY QUESTION.

No.	A. Brand name	B. Product/catalogue codes	C. Country of manufacture	D. State packaging offered
54.				

WCBD 3.1/2

PRICING SCHEDULE (PURCHASES) – CHTRV: PT17/2026: THE APPOINTMENT OF A SERVICE PROVIDER FOR THE SUPPLY AND DELIVERY OF PERFUSION AND CARDIOTHORACIC SURGERY REQUIREMENTS TO GROOTE SCHUUR HOSPITAL, TYGERBERG HOSPITAL AND RED CROSS WAR MEMORIAL CHILDREN'S HOSPITAL FOR A PERIOD OF THREE (3) YEARS

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		1 ST YEAR			2 ND YEAR			3 RD YEAR		
		QTY Each	Unit Price (ZAR)	Total (ZAR)	QTY Each	Unit Price (ZAR)	Total (ZAR)	QTY Each	Unit Price (ZAR)	Total (ZAR)
55.	Adult venous ECMO cannula: - radiopaque markings to assist in catheter insertion and placement and check placement on X-ray - polyurethane cannula body - wire-reinforced, thin walls - lockable introducer - depth marks to optimize insertion - biocompatible coating - stop ring included - reinforced side holes - approval of 30 days' application time - single-packed, sterile - Size Range:									
55.1	19Fr	10			10			10		
55.2	21Fr	35			35			35		
55.3	23Fr	35			35			35		
55.4	25Fr	85			85			85		
55.5	27Fr	85			85			85		
55.6	29Fr	80			80			80		

IMPORTANT: THE QUESTIONNAIRE BELOW MUST BE COMPLETED IN FULL BY REPLY TO EACH AND EVERY QUESTION.

No.	A. Brand name	B. Product/catalogue codes	C. Country of manufacture	D. State packaging offered
55.1.				
55.2.				
55.3.				
55.4.				
55.5.				
55.6.				

WCBD 3.1/2

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		QTY <i>Each</i>	Unit Price <i>(ZAR)</i>	Total <i>(ZAR)</i>	QTY <i>Each</i>	Unit Price <i>(ZAR)</i>	Total <i>(ZAR)</i>	QTY <i>Each</i>	Unit Price <i>(ZAR)</i>	Total <i>(ZAR)</i>
56.	Percutaneous insertion kit for adult venous ECMO cannula: - multi-dilators – 10-18Fr - 0.038inch 200+cm J-tip guidewire - guidewire advancer - 18Ga needle - small blade - 10cc syringe - single-packed, sterile	110			110			110		

IMPORTANT: THE QUESTIONNAIRE BELOW MUST BE COMPLETED IN FULL BY REPLY TO EACH AND EVERY QUESTION.

No.	A. Brand name	B. Product/catalogue codes	C. Country of manufacture	D. State packaging offered
56.				

WCBD 3.1/2

PRICING SCHEDULE (PURCHASES) – CHTRV: PT17/2026: THE APPOINTMENT OF A SERVICE PROVIDER FOR THE SUPPLY AND DELIVERY OF PERFUSION AND CARDIOTHORACIC SURGERY REQUIREMENTS TO GROOTE SCHUUR HOSPITAL, TYGERBERG HOSPITAL AND RED CROSS WAR MEMORIAL CHILDREN'S HOSPITAL FOR A PERIOD OF THREE (3) YEARS

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		1 ST YEAR			2 ND YEAR			3 RD YEAR		
		QTY Each	Unit Price (ZAR)	Total (ZAR)	QTY Each	Unit Price (ZAR)	Total (ZAR)	QTY Each	Unit Price (ZAR)	Total (ZAR)
57.	Dual-lumen / Bi-caval (Veno-venous) adult ECMO cannula: - radiopaque markings to assist in catheter insertion and placement and check placement on X-ray - silicon and polyurethane cannula body - tapered introducer tip - wire-reinforced, thin walls - designed to reduce recirculation - introducer included - depth marks to optimize insertion - radiopaque - biocompatible coating - approval of 30 days' application time - state if percutaneous insertion kit is included or not - approx. 31cm length - 3/8" connection - single-packed, sterile Size range – (indicate if range is even numbers)									
57.1	13Fr	10			10			10		
57.2	15Fr	10			10			10		
57.3	17Fr	10			10			10		
57.4	19Fr	18			18			18		
57.5	21Fr	18			23			23		
57.6	23Fr	18			28			28		
57.7	25Fr	23			28			28		
57.8	27Fr	18			18			18		
57.9	29Fr	15			15			15		
57.10	31Fr	15			15			15		

IMPORTANT: THE QUESTIONNAIRE BELOW MUST BE COMPLETED IN FULL BY REPLY TO EACH AND EVERY QUESTION.

No.	A. Brand name	B. Product/catalogue codes	C. Country manufacture	of	D. State packaging offered
57.1.					
57.2.					
57.3.					
57.4.					
57.5.					
57.6.					
57.7.					
57.8.					
57.9.					
57.10.					

WCBD 3.1/2

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NAME OF BIDDER: BID NUMBER: **CHTRV: PT17/2026**
CLOSING DATE AND TIME: 17 APRIL 2026 **AT 11H00**
OFFERS SHALL BE VALID FOR **90** DAYS FROM CLOSING DATE OF BID

ITEM	DESCRIPTION OF PRODUCT	ESTIMATED QUANTITY & BID PRICE IN SA CURRENCY INCLUDING VAT								
		1 ST YEAR			2 ND YEAR			3 RD YEAR		
		QTY Each	Unit Price (ZAR)	Total (ZAR)	QTY Each	Unit Price (ZAR)	Total (ZAR)	QTY Each	Unit Price (ZAR)	Total (ZAR)
58.	Percutaneous insertion kit for dual-lumen adult ECMO cannula (if not included with the cannula): As corresponds with size of dual-lumen cannula selected - includes: - 18 Ga needle - multiple dilators – 10-34Fr (range could be available over 2-3 different Insertion Kit options) - 0.038" guidewire – 100-200cm (range could be available over 2-3 different Insertion Kit options) - blade - single-packed, sterile	15			15			15		

IMPORTANT: THE QUESTIONNAIRE BELOW MUST BE COMPLETED IN FULL BY REPLY TO EACH AND EVERY QUESTION.

No.	A. Brand name	B. Product/catalogue codes	C. Country of manufacture	D. State packaging offered
58.				

WCBD 3.1/2

PRICING SCHEDULE (PURCHASES) – CHTRV: PT17/2026: THE APPOINTMENT OF A SERVICE PROVIDER FOR THE SUPPLY AND DELIVERY OF PERFUSION AND CARDIOTHORACIC SURGERY REQUIREMENTS TO GROOTE SCHUUR HOSPITAL, TYGERBERG HOSPITAL AND RED CROSS WAR MEMORIAL CHILDREN'S HOSPITAL FOR A PERIOD OF THREE (3) YEARS

NAME OF BIDDER: BID NUMBER: **CHTRV: PT17/2026**
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		QTY Each	Unit Price (ZAR)	Total (ZAR)	QTY Each	Unit Price (ZAR)	Total (ZAR)	QTY Each	Unit Price (ZAR)	Total (ZAR)
59.	<p>Jugular Dual Lumen ECMO Cannula:</p> <ul style="list-style-type: none"> - radiopaque markers for improved visualization: visible under radiographic imaging, tantalum markers to aid in positioning the catheter; identify drainage sites, infusion port, catheter tip, and axial orientation of the port - elongated introducer tip and tapered catheter tip to ease the transition from introducer to catheter for smoother more confident insertion - enhancements in port placement, lumen design and tip geometry to enable higher flow rates at lower pressure drops, thus decreasing haemolysis and recirculation - catheter material must be strong, flexible and kink resistant - directional efficiency: Large infusion port, combined with radiopaque markers for placement accuracy, help ensure flow is directed toward the tricuspid valve & pulmonary artery - must include Proximal drainage tantalum marker at the proximal drainage holes - must include reinfusion port radiopaque marker at the reinfusion port - must include Distal drainage radiopaque markers at the distal drainage holes - must include a drainage tip radiopaque marker at the drainage tip - drainage and reinfusion ports should be designed to mimic the body native flow ratios to minimize recirculation while maintaining flow - features to keep catheter securely in place for ambulation and enhanced visualization to access that catheter is in position - catheter tip needs to be extended to assist with maintaining position aiding in deeper placement in the IVC, reducing chance of migration - insertion stylet must be included in the package to aid cannulation. - insertion length of cannula should range between 30-34 cm and it must include a 3/8" connector - Size Range: 									
59.1	24Fr	13			10			10		

59.2	28Fr	13			10			10		
59.3	30Fr	13			10			10		
59.4	32Fr	8			5			5		

IMPORTANT: THE QUESTIONNAIRE BELOW MUST BE COMPLETED IN FULL BY REPLY TO EACH AND EVERY QUESTION.

No.	A. Brand name	B. Product/catalogue codes	C. Country manufacture	of	D. State offered	packaging
59.1.						
59.2.						
59.3.						
59.4.						

WCBD 3.1/2

PRICING SCHEDULE (PURCHASES) – CHTRV: PT17/2026: THE APPOINTMENT OF A SERVICE PROVIDER FOR THE SUPPLY AND DELIVERY OF PERFUSION AND CARDIOTHORACIC SURGERY REQUIREMENTS TO GROOTE SCHUUR HOSPITAL, TYGERBERG HOSPITAL AND RED CROSS WAR MEMORIAL CHILDREN'S HOSPITAL FOR A PERIOD OF THREE (3) YEARS

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60.	<p>Multi-application cannula for minimally invasive, femoral-femoral and/or femoral-jugular ECMO:</p> <ul style="list-style-type: none"> - cannula introducer facilitates proper insertion and placement of the appropriate sized cannula within the vessel for cardiopulmonary bypass - cannulae are available in femoral venous, femoral arterial, and jugular venous configurations: Design and specifications: <p>i.) femoral arterial/ jugular venous cannula</p> <ul style="list-style-type: none"> * overall length - 31.8cm * tip length - 18cm * 3/8" vented connector * intended for internal jugular venous usage; internal jugular venous position offers enhanced return with high pressure flow rates and minimal pressure differences <p>ii.) multistage femoral venous cannula</p> <ul style="list-style-type: none"> * overall length 64.8cm -76.2cm * tip length 50-60cm * 3/8" non-vented connector * optimizes drainage of the entire circulation by accessing the IVC, atrium, and SVC * IVC/atrial junction position promotes efficient venous drainage. * depth markings to allow for visualizing the introducer's length beyond the tip of the cannula body * elongated taper to allow introducer to dilate the vessel over a longer distance during insertion. Overall tip length up to 60cm <p>iii. bi-caval femoral venous cannula</p> <ul style="list-style-type: none"> * overall length 76.2cm * tip length 60cm * bi-caval capability with optimized basket placement. * Size 27Fr and 29Fr models must enable right atrium occlusion and access <p>- Size Range:</p>									
60.1	15Fr	40			35			40		
60.2	17Fr	40			35			40		
60.3	19 Fr	65			60			65		
60.4	21 Fr	80			80			80		

60.5	23 Fr	80		80		80	
60.6	25 Fr	80		80		80	
60.7	27 Fr	75		75		75	
60.8	27 Fr	55		55		55	
60.9	29Fr	30		30		30	

IMPORTANT: THE QUESTIONNAIRE BELOW MUST BE COMPLETED IN FULL BY REPLY TO EACH AND EVERY QUESTION.

No.	A. Brand name	B. Product/catalogue codes	C. Country of manufacture	D. State packaging offered
60.1.				
60.2.				
60.3.				
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WCBD 3.1/2

PRICING SCHEDULE (PURCHASES) – CHTRV: PT17/2026: THE APPOINTMENT OF A SERVICE PROVIDER FOR THE SUPPLY AND DELIVERY OF PERFUSION AND CARDIOTHORACIC SURGERY REQUIREMENTS TO GROOTE SCHUUR HOSPITAL, TYGERBERG HOSPITAL AND RED CROSS WAR MEMORIAL CHILDREN'S HOSPITAL FOR A PERIOD OF THREE (3) YEARS.

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		QTY Each	Unit Price (ZAR)	Total (ZAR)	QTY Each	Unit Price (ZAR)	Total (ZAR)	QTY Each	Unit Price (ZAR)	Total (ZAR)
61.	Paediatric arterial ECMO cannula: - includes haemostasis cap and adjustable radiopaque suture ring - has a tapered solid-core and percutaneous-style introducer with cannula/tubing retention clip - implores a tapered percutaneous-style 0.025 mm guidewire - tip length: 10-11.5cm - Size Range:									
61.1	13Fr	10			10			10		
61.2	15Fr	10			10			10		
61.3	17Fr	10			10			10		
61.4	19 Fr	10			10			10		
61.5	21 Fr	10			10			10		
61.6	23 Fr	5			5			5		
61.7	25 Fr	5			5			5		
61.8	27Fr	0			0			0		
61.9	29Fr	0			0			0		

IMPORTANT: THE QUESTIONNAIRE BELOW MUST BE COMPLETED IN FULL BY REPLY TO EACH AND EVERY QUESTION.

No.	A. Brand name	B. Product/catalogue codes	C. Country of manufacture	D. State packaging offered
61.1.				
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WCBD 3.1/2

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62.	Paediatric venous ECMO cannula: - radiopaque markings to assist in catheter insertion and placement and check placement on X-ray - includes haemostasis cap and adjustable radiopaque suture ring - has a tapered solid-core and percutaneous-style introducer with cannula/tubing retention clip - has reinforced side holes which support smooth insertion - tip length: 10-11.5cm - Size Range:									
62.1	13 Fr	10			10			10		
62.2	15 Fr	10			10			10		
62.3	17 Fr	10			10			10		
62.4	19 Fr	10			10			10		
62.5	21 Fr	10			10			10		
62.6	23 Fr	10			10			10		
62.7	25 Fr	5			5			5		
62.8	29 Fr	0			0			0		

IMPORTANT: THE QUESTIONNAIRE BELOW MUST BE COMPLETED IN FULL BY REPLY TO EACH AND EVERY QUESTION.

No.	A. Brand name	B. Product/catalogue codes	C. Country of manufacture	D. State packaging offered
62.1.				
62.2.				
62.3.				
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62.5.				
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62.7.				
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WCBD 3.1/2

PRICING SCHEDULE (PURCHASES) –

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63.	Percutaneous Sheath Introducer for Distal Perfusion ECMO Cannula: - designed for flexible vascular access - kink-resistant sheath introducer - easy insertion and handling - visible radiopaque tip - designed for multiple vascular applications - coil-wire design to allow the sheath to flex at any point in any direction without kinking or losing support - tapered dilator to provide reach ability to the contralateral leg and Superficial Femoral Artery (SFA) - able to navigate tortuous anatomies - smooth transition between the sheath and dilator to help prevent peel-back - hydrophilic surface to help facilitate smooth insertion - suitable for renal, carotid and transeptal procedures - colour-coded for convenience - tri-cusped lubricated hemostasis valve to ease passage of catheters and other devices through the sheath and to facilitate catheter manipulation with minimal bleed-back - each CP Set must include: * one sheath with integral side port/ haemostasis valve and attached 3-way stopcock * one 17 3/4" (45 cm) long dual purpose "J" tip spring-wire guide in holder with tip straightener * short-length sheath set has .021 dia. and all others have .035" dia. wire guide * one vessel dilator with SnapLock™ Feature * one Obturator Cap * Size range from 5 Fr – 10 Fr and with varying sheath lengths: ranging from 11, 24, 45, 65 and 90 cm	105			50			50		

IMPORTANT: THE QUESTIONNAIRE BELOW MUST BE COMPLETED IN FULL BY REPLY TO EACH AND EVERY QUESTION.

No.	A. Brand name	B. Product/catalogue codes	C. Country of manufacture	D. State packaging offered
63.				

WCBD 3.1/2
PRICING SCHEDULE (PURCHASES) -

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		QTY <i>Each</i>	Unit Price <i>(ZAR)</i>	Total <i>(ZAR)</i>	QTY <i>Each</i>	Unit Price <i>(ZAR)</i>	Total <i>(ZAR)</i>	QTY <i>Each</i>	Unit Price <i>(ZAR)</i>	Total <i>(ZAR)</i>
64.	Cannulae Securing Band / Adhesive / Plaster / Tape / Tube (or similar): - suitable for securing ECMO / CPB and similar cannulae in position on a patient from 5–40 Fr, parallel to patient's skin, either at the exit site or distal to the exit site - medical grade and hypoallergenic adhesive that promotes skin integrity and protects the skin - design (e.g. hook-and-loop or adjustable clamping mechanism) that allows for repositioning of and access to the cannula after securement - keeps the cannula close to the skin while promoting patient comfort	85			50			50		
IMPORTANT: THE QUESTIONNAIRE BELOW MUST BE COMPLETED IN FULL BY REPLY TO EACH AND EVERY QUESTION.										
No.	A. Brand name	B. Product/catalogue codes		C. Country of manufacture		D. State packaging offered				
64.										

WCBD 3.1/2

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65.	Adult ECMO Cannula: - thin, kink resistant wall design to optimize flow rates - fingerlet-tip to create a no-step transition allowing for smooth insertion - biocompatible and biostable polyurethane/silicone co-polymer material - Able to be used for VA and VV (femoral-femoral or femoral-jugular cannulation) ECMO or ECLS - Return cannula: range up to 18 cm insertion length with side holes near tip - Drainage cannula: 50 or 55 cm lengths, to assist in targeted vascular locations. Depth Markings for visualizing insertion length. Smooth transitions with tapered tip design. Supports tracking over the guidewire, long-tapered introducer facilitates placement - Insertion length range from 10 - 61 cm French sizes 9 to 29									
65.1	9Fr	10			10			10		
65.2	11 Fr	10			10			10		
65.3	13 Fr	10			10			10		
65.4	15 Fr	10			10			10		
65.5	17 Fr	35			35			35		
65.6	19 Fr	40			40			40		
65.7	21 Fr	40			40			40		
65.8	23 Fr	35			30			30		
65.9	25 Fr	30			30			30		
65.10	27 Fr	20			20			20		
65.11	29 Fr	20			20			20		

No.	A. Brand name	B. Product/catalogue codes	C. Country of manufacture	D. State packaging offered
65.1.				
65.2.				
65.3.				
65.4.				
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65.7.				
65.8.				
65.9				
65.10.				
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66.	Intracoronary Shunt: - silicone body with tapered tips - radiopaque tips and tags - single-packed, sterile Size Range -									
66.1	1.00mm shunt and 14mm between the bulbs	55			55			55		
66.2	1.25mm shunt and 14mm between the bulbs	65			65			65		
66.3	1.50mm shunt and 14mm between the bulbs	65			65			65		
66.4	2.00mm shunt and 14mm between the bulbs	60			60			60		
66.5	2.25mm shunt and 14mm between the bulbs	60			60			60		
66.6	2.50mm shunt and 14mm between the bulbs	60			60			60		

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66.1.				
66.2.				
66.3.				
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		QTY <i>Each</i>	Unit Pric e (ZA R)	Total (ZAR)	QT Y Ea ch	Unit Price (ZAR)	Total (ZAR)	QT Y Ea ch	Unit Pric e (ZA R)	Total (ZAR)
67.	Coronary artery retraction clip: - single piece of stainless-steel wire - shaped in unique spring - coated with soft polymer - single-packed, sterile Two Sizes -									
67.1	3mm prong length	140			140			140		
67.2	5mm prong length	155			155			155		

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No.	A. Brand name	B. Product/catalogue codes	C. Country of manufacture	D. State packaging offered
67.1.				
67.2.				

WCBD 3.1/2

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		QT Y Ea ch	Unit Pric e (ZA R)	Total (ZAR)	QT Y Ea ch	Unit Price (ZAR)	Total (ZAR)	QT Y Ea ch	Unit Pric e (ZA R)	Total (ZAR)
68.	Stabilizers for off-pump coronary artery surgery: Two Types -									
68.1	Tissue Stabilizer - enhances visibility at the anastomotic site) - automatic pod spread for effective visualisation of the anastomotic site - secure arm for maximum stabilization - flexibility to enables unlimited positioning options - simple, secure, one-handed attachment of clamp to the retractor - surgeon-controlled - turret assembly	30			30			30		
68.2	Heart Positioner - enhances visibility at the anastomotic site and gives optimal access to vessels) - clamp design provides increased stability of the positioner on the retractor - ability to apply the retractor with a singlehanded technique allowing for ease of setup - multi-appendage silicone suction cup - malleable foot conforming to heart - vacuum tubing flexibility	25			25			25		

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68.1.				
68.2.				

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69.	Pigtail measuring catheter: - suitable for intravascular measurement - can also be used as a flush-catheter - 110cm length - size 5F (1.67mm) - 8 side holes - measuring length of 22 cm - 0.35 inch - up to a burst pressure of 1050PSI - flow rate of 12ml/sec - high radiopacity - single-packed, sterile	90			90			90		

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69.				

WCBD 3.1/2

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70.	Bovine Pericardial Patch: - intended for surgical use in cardiac and vascular surgery - sterile, single-packed - strong and pliable, yet not overly thick (+/- 0.5mm thickness) - biocompatible - stored in appropriate solution - preferably not require refrigerated storage – please state - preferably no rinsing required – please state Size options -									
70.1	2cm x 4cm or similar (please state)	10			10			10		
70.2	4cm x 5cm or similar (please state)	520			470			470		
70.3	10cm x 6cm or similar (please state)	420			370			370		
70.4	9cm x 15cm or similar (please state)	25			25			25		

IMPORTANT: THE QUESTIONNAIRE BELOW MUST BE COMPLETED IN FULL BY REPLY TO EACH AND EVERY QUESTION.

No.	A. Brand name	B. Product/catalogue codes	C. Country of manufacture	D. State packaging offered
70.1.				
70.2.				
70.3				
70.4				

WCBD 3.1/2

PRICING SCHEDULE (PURCHASES) – CHTRV: PT17/2026: THE APPOINTMENT OF A SERVICE PROVIDER FOR THE SUPPLY AND DELIVERY OF PERFUSION AND CARDIOTHORACIC SURGERY REQUIREMENTS TO GROOTE SCHUUR HOSPITAL, TYGERBERG HOSPITAL AND RED CROSS WAR MEMORIAL CHILDREN'S HOSPITAL FOR A PERIOD OF THREE (3) YEARS

NAME OF BIDDER:

BID NUMBER: **CHTRV: PT17/2026**

CLOSING DATE AND TIME: 17 APRIL 2026 **AT 11H00**

OFFERS SHALL BE VALID FOR **90** DAYS FROM CLOSING DATE OF BID

ITEM	DESCRIPTION OF PRODUCT	ESTIMATED QUANTITY & BID PRICE IN SA CURRENCY INCLUDING VAT								
		1 ST YEAR			2 ND YEAR			3 RD YEAR		
		QTY Each	Unit Price (ZAR)	Total (ZAR)	QTY Each	Unit Price (ZAR)	Total (ZAR)	QTY Each	Unit Price (ZAR)	Total (ZAR)
71.	Blood administration filter: - suitable for rapid transfusion of blood products into the CPB circuit - medical-grade outer plastic housing with 40um (forty micron) screen filter inside - 180 cm ² of total filter area (or close) - 1/4" connection site at bottom - standard tapered fluid administration spike at top compatible with most conventional blood bags - single-packed, sterile	220			220			220		

IMPORTANT: THE QUESTIONNAIRE BELOW MUST BE COMPLETED IN FULL BY REPLY TO EACH AND EVERY QUESTION.

No.	A. Brand name	B. Product/catalogue codes	C. Country of manufacture	D. State packaging offered
71.				

WCBD 3.1/2

PRICING SCHEDULE (PURCHASES) –

CHTRV: PT17/2026: THE APPOINTMENT OF A SERVICE PROVIDER FOR THE SUPPLY AND DELIVERY OF PERFUSION AND CARDIOTHORACIC SURGERY REQUIREMENTS TO GROOTE SCHUUR HOSPITAL, TYGERBERG HOSPITAL AND RED CROSS WAR MEMORIAL CHILDREN'S HOSPITAL FOR A PERIOD OF THREE (3) YEARS

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		QTY Each	Unit Price (ZAR)	Total (ZAR)	QTY Each	Unit Price (ZAR)	Total (ZAR)	QTY Each	Unit Price (ZAR)	Total (ZAR)
72.	Crystalloid-Colloid fluid administration filter: - suitable for rapid transfusion of crystalloid or colloid solutions into the CPB circuit - medical-grade outer plastic housing with 0,2um (0,2 micron) screen filter inside, capable of removing particulate debris, microbial contaminants and endotoxins in intravenous fluids - ¼" connection site at bottom - standard tapered fluid administration spike at top compatible with most conventional intravenous fluid bags - single-packed, sterile	220			220			220		

IMPORTANT: THE QUESTIONNAIRE BELOW MUST BE COMPLETED IN FULL BY REPLY TO EACH AND EVERY QUESTION.

No.	A. Brand name	B. Product/catalogue codes	C. Country of manufacture	D. State packaging offered
72.				

WCBD 3.1/2

PRICING SCHEDULE (PURCHASES) – CHTRV: PT17/2026: THE APPOINTMENT OF A SERVICE PROVIDER FOR THE SUPPLY AND DELIVERY OF PERFUSION AND CARDIOTHORACIC SURGERY REQUIREMENTS TO GROOTE SCHUUR HOSPITAL, TYGERBERG HOSPITAL AND RED CROSS WAR MEMORIAL CHILDREN'S HOSPITAL FOR A PERIOD OF THREE (3) YEARS

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		QTY Each	Unit Price (ZAR)	Total (ZAR)	QTY Each	Unit Price (ZAR)	Total (ZAR)	QTY Each	Unit Price (ZAR)	Total (ZAR)
73.	Heavy Tubing Clamps: - stainless Steel - serrated jaws - with tubing guard Two sizes -									
73.1	15cm length	85			85			85		
73.2	20cm length	85			85			85		

IMPORTANT: THE QUESTIONNAIRE BELOW MUST BE COMPLETED IN FULL BY REPLY TO EACH AND EVERY QUESTION.

No.	A. Brand name	B. Product/catalogue codes	C. Country of manufacture	D. State packaging offered
73.1.				
73.2.				

WCBD 3.1/2

PRICING SCHEDULE (PURCHASES) – CHTRV: PT17/2026: THE APPOINTMENT OF A SERVICE PROVIDER FOR THE SUPPLY AND DELIVERY OF PERFUSION AND CARDIOTHORACIC SURGERY REQUIREMENTS TO GROOTE SCHUUR HOSPITAL, TYGERBERG HOSPITAL AND RED CROSS WAR MEMORIAL CHILDREN'S HOSPITAL FOR A PERIOD OF THREE (3) YEARS

NAME OF BIDDER: BID NUMBER: CHTRV: PT17/2026
CLOSING DATE AND TIME: 17 APRIL 2026 AT 11H00 OFFERS SHALL BE VALID FOR 90 DAYS FROM CLOSING DATE OF BID

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		QTY Eac h	Unit Price (ZAR)	Total (ZAR)	QTY Eac h	Unit Price (ZAR)	Total (ZAR)	QTY Eac h	Unit Price (ZAR)	Total (ZAR)
74.	Oxygenators for cardiopulmonary bypass in children: - 5 "sizes" / "flow capabilities":									
74.1	Neonate: - hard-shell reservoir with heater-cooler compartment and membrane oxygenator all included - flow-compatibility from 0-800ml/minute - lower oxygenator priming volume in comparison to other models available for the same flow range (< 50ml is preferable) - biocompatible coating (specify) - VAVD – compatible; integrated positive pressure relief valve - manufacturer-determined trans-membrane pressure drop of less than ≤100mmHg at 50% of the maximum rated flow – Note: comparable options will be scrutinised and the lower TMP preferred - microporous / Hollow-fibre design - ¼-inch arterial outlet clearly visible with the oxygenator in situ in the holder Two Types with respect to arterial filter -									
74.1.1	Integrated arterial filter (40um – forty micron) design	205			205			305		
74.1.2	Non-integrated arterial filter design	165			165			215		
74.2	Infant: - hard-shell reservoir with heater-cooler compartment and membrane oxygenator all included. - flow-compatibility from 900ml/min - 2litres/minute - lower oxygenator priming volume in comparison to other models available for the same flow range (< 50ml is preferable) - biocompatible coating (specify) - VAVD – compatible; integrated positive pressure relief valve - manufacturer-determined trans-membrane pressure drop of less than ≤100mmHg at 50% of the maximum rated flow – Note: comparable options will be scrutinised and the lower TMP preferred - microporous / Hollow-fibre design - ¼-inch arterial outlet clearly									

	visible with the oxygenator in situ in the holder Two Types with respect to arterial filter -								
74.2.1	Integrated arterial filter (40um – forty micron) design	215			215			265	
74.2.2	Non-integrated arterial filter design	320			270			320	

74.3	Intermediate: - hard-shell reservoir with heater-cooler compartment and membrane oxygenator all included. - flow-compatibility from 2 – 3,5 litres/minute - lower oxygenator priming volume in comparison to other models available for the same flow range (< 100ml is preferable) - biocompatible coating (specify) - VAVD – compatible; integrated positive pressure relief valve - manufacturer-determined trans-membrane pressure drop of less than ≤100mmHg at 50% of the maximum rated flow – Note: comparable options will be scrutinised and the lower TMP preferred - microporous / Hollow-fibre design - ¼-inch arterial outlet clearly visible with the oxygenator in situ in the holder Two Types with respect to arterial filter -								
74.3.1	Integrated arterial filter (40um – forty micron) design	190			110			140	
74.3.2	Non-integrated arterial filter design	120			90			120	
74.4	Paediatric: - hardshell reservoir with heater-cooler compartment and membrane oxygenator all included. Flow-compatibility from 3 - 6 litres/minute - lower oxygenator priming volume in comparison to other models available for the same flow range (< 150ml is preferable) - biocompatible coating (specify) - VAVD – compatible; integrated positive pressure relief valve - manufacturer-determined trans-membrane pressure drop of less than ≤100mmHg at 50% of the maximum rated flow – Note: comparable options will be scrutinised and the lower TMP preferred - microporous / Hollow-fibre design - 3/8-inch arterial outlet clearly visible with the oxygenator in situ in the holder Two Types with respect to arterial filter -								
74.4.1	Integrated arterial filter (40um – forty micron) design	190			120			240	
74.4.2	Non-integrated arterial filter design	190			120			240	

Note to Bidders:

Please provide detailed product brochure AND a graph of manufacturer-determined trans-membrane pressure drop at various flows

IMPORTANT: THE QUESTIONNAIRE BELOW MUST BE COMPLETED IN FULL BY REPLY TO EACH AND EVERY QUESTION.

No.	A. Brand name	B. Product/catalogue codes	C. Country of manufacture	D. State packaging offered
74.1.1.				
74.1.2.				
74.2.1.				
74.2.2.				
74.3.1				
74.3.2.				
74.4.1.				
74.4.2.				

WCBD 3.1/2

PRICING SCHEDULE (PURCHASES) – CHTRV: PT17/2026: THE APPOINTMENT OF A SERVICE PROVIDER FOR THE SUPPLY AND DELIVERY OF PERFUSION AND CARDIOTHORACIC SURGERY REQUIREMENTS TO GROOTE SCHUUR HOSPITAL, TYGERBERG HOSPITAL AND RED CROSS WAR MEMORIAL CHILDREN'S HOSPITAL FOR A PERIOD OF THREE (3) YEARS

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		QT Y Ea ch	Unit Pric e (ZA R)	Total (ZAR)	QT Y Ea ch	Unit Price (ZAR)	Total (ZAR)	QT Y Ea ch	Unit Pric e (ZA R)	Total (ZAR)
75.	Paediatric Blood cardioplegia sets: Custom made as per RCWMCH and TBH requirements:									
75.1	Tri Cardioplegia System: Custom made as per RCWMCH requirements: - see diagram 2 under Appendix C - biocompatible coating (specify)	150			100			150		
75.2	Paediatric Cardioplegia set: Custom made as per TBH requirements: - see diagram 6 under appendix B	60			60			60		

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No.	A. Brand name	B. Product/catalogue codes	C. Country of manufacture	D. State packaging offered
75.1.				
75.2.				

WCBD 3.1/2

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76.	Custom Paediatric tubing packs: Custom made as per RXWMCH and TBH requirements									
76.1	RCWMCH Hemoc Pump Lines: - custom made as per RCWMCH requirements - see diagram 3 under Appendix C	100			50			100		
76.2	RCWMCH Infant tubing pack with arterial filter + hemoc: - custom made as per RCWMCH requirements - see diagram 4 under Appendix C	250			200			250		
76.3	RCWMCH Infant tubing pack without arterial filter + hemoc: - custom made as per RCWMCH requirements - see diagram 5 under Appendix C	80			80			80		
76.4	RCWMCH Intermediate tubing pack with arterial filter + hemoc: - custom made as per RCWMCH requirements - see diagram 6 under Appendix C	120			80			120		
76.5	RCWMCH Intermediate tubing pack without arterial filter + hemoc: - custom made as per RCWMCH requirements - see diagram 7 under Appendix C	80			80			80		
76.6	RCWMCH Paediatric tubing pack with arterial filter + hemoc: - custom made as per RCWMCH requirements - see diagram 8 under Appendix C	80			80			80		
76.7	RWMCH Paediatric tubing pack without arterial filter + hemoc: - custom made as per RCWMCH requirements - see diagram under Appendix C	50			50			50		

76.8	TBH Paediatric tubing pack: - custom made as per TBH requirements - see diagram 7 under Appendix B)	60			60			60		
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No.	A. Brand name	B. Product/catalogue codes	C. Country of manufacture	D. State packaging offered
76.1.				
76.2.				
76.3.				
76.4.				
76.5.				
76.6.				
76.7.				
76.8.				

WCBD 3.1/2

PRICING SCHEDULE (PURCHASES) – CHTRV: PT17/2026: THE APPOINTMENT OF A SERVICE PROVIDER FOR THE SUPPLY AND DELIVERY OF PERFUSION AND CARDIOTHORACIC SURGERY REQUIREMENTS TO GROOTE SCHUUR HOSPITAL, TYGERBERG HOSPITAL AND RED CROSS WAR MEMORIAL CHILDREN'S HOSPITAL FOR A PERIOD OF THREE (3) YEARS

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77.	Paediatric vent catheter: - non-vented ¼" connection on the end - PVC / silicone - includes malleable introducer - weighted, perforated soft tip - 10Fr (3.3mm)	310			260			360		

IMPORTANT: THE QUESTIONNAIRE BELOW MUST BE COMPLETED IN FULL BY REPLY TO EACH AND EVERY QUESTION.

No.	A. Brand name	B. Product/catalogue codes	C. Country of manufacture	D. State packaging offered
77.				

WCBD 3.1/2

PRICING SCHEDULE (PURCHASES) – CHTRV: PT17/2026: THE APPOINTMENT OF A SERVICE PROVIDER FOR THE SUPPLY AND DELIVERY OF PERFUSION AND CARDIOTHORACIC SURGERY REQUIREMENTS TO GROOTE SCHUUR HOSPITAL, TYGERBERG HOSPITAL AND RED CROSS WAR MEMORIAL CHILDREN'S HOSPITAL FOR A PERIOD OF THREE (3) YEARS

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		QT Y Ea ch	Unit Pric e (ZA R)	Total (ZAR)	QT Y Ea ch	Unit Price (ZAR)	Total (ZAR)	QT Y Ea ch	Unit Pric e (ZA R)	Total (ZAR)
78.	Paediatric Top sucker / Pericardial Sump: - spring-wound for optimal suction - weighted tip - 1/4" slip connector - 12 Fr (4.0mm)	210			160			160		

IMPORTANT: THE QUESTIONNAIRE BELOW MUST BE COMPLETED IN FULL BY REPLY TO EACH AND EVERY QUESTION.

No.	A. Brand name	B. Product/catalogue codes	C. Country of manufacture	D. State packaging offered
78.				

WCBD 3.1/2

PRICING SCHEDULE (PURCHASES) – CHTRV: PT17/2026: THE APPOINTMENT OF A SERVICE PROVIDER FOR THE SUPPLY AND DELIVERY OF PERFUSION AND CARDIOTHORACIC SURGERY REQUIREMENTS TO GROOTE SCHUUR HOSPITAL, TYGERBERG HOSPITAL AND RED CROSS WAR MEMORIAL CHILDREN'S HOSPITAL FOR A PERIOD OF THREE (3) YEARS

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		QTY Each	Unit Price (ZAR)	Total (ZAR)	QTY Each	Unit Price (ZAR)	Total (ZAR)	QTY Each	Unit Price (ZAR)	Total (ZAR)
79.	Arteriotomy Cannulae: - polyurethane tube with a bulb-shaped radiopaque tip connected to a female luer - 3.3cm length - fluted pool tip Two Sizes -									
79.1	2mm	160			140			180		
79.2	3mm	160			140			180		

IMPORTANT: THE QUESTIONNAIRE BELOW MUST BE COMPLETED IN FULL BY REPLY TO EACH AND EVERY QUESTION.

No.	A. Brand name	B. Product/catalogue codes	C. Country of manufacture	D. State packaging offered
79.1.				
79.2.				

WCBD 3.1/2

PRICING SCHEDULE (PURCHASES) – CHTRV: PT17/2026: THE APPOINTMENT OF A SERVICE PROVIDER FOR THE SUPPLY AND DELIVERY OF PERFUSION AND CARDIOTHORACIC SURGERY REQUIREMENTS TO GROOTE SCHUUR HOSPITAL, TYGERBERG HOSPITAL AND RED CROSS WAR MEMORIAL CHILDREN'S HOSPITAL FOR A PERIOD OF THREE (3) YEARS

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		1 ST YEAR			2 ND YEAR			3 RD YEAR		
		QTY Each	Unit Price (ZAR)	Total (ZAR)	QTY Each	Unit Price (ZAR)	Total (ZAR)	QTY Each	Unit Price (ZAR)	Total (ZAR)
80.	Paediatric Aortic Root Needle with Vent: - aortic root cannula and vent line - standard tip with flow-guard introducer 3 Sizes -									
80.1	18 Ga, 4Fr	340			290			290		
80.2	16Ga, 5Fr	160			160			160		
80.3	14Ga, 7Fr	160			160			160		

IMPORTANT: THE QUESTIONNAIRE BELOW MUST BE COMPLETED IN FULL BY REPLY TO EACH AND EVERY QUESTION.

No.	A. Brand name	B. Product/catalogue codes	C. Country of manufacture	D. State packaging offered
80.1.				
80.2.				
80.3.				

WCBD 3.1/2

PRICING SCHEDULE (PURCHASES) – CHTRV: PT17/2026: THE APPOINTMENT OF A SERVICE PROVIDER FOR THE SUPPLY AND DELIVERY OF PERFUSION AND CARDIOTHORACIC SURGERY REQUIREMENTS TO GROOTE SCHUUR HOSPITAL, TYGERBERG HOSPITAL AND RED CROSS WAR MEMORIAL CHILDREN'S HOSPITAL FOR A PERIOD OF THREE (3) YEARS

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81.	Paediatric Retrograde Cardioplegia cannula: - self-inflating balloon - textured balloon 3 Sizes -									
81.1	6Fr	20			20			20		
81.2	10Fr	20			20			20		
81.3	15Fr	30			30			30		

IMPORTANT: THE QUESTIONNAIRE BELOW MUST BE COMPLETED IN FULL BY REPLY TO EACH AND EVERY QUESTION.

No.	A. Brand name	B. Product/catalogue codes	C. Country of manufacture	D. State packaging offered
81.1.				
81.2.				
81.3.				

WCB D 3.1/2

PRICING SCHEDULE (PURCHASES) – CHTRV: PT17/2026: THE APPOINTMENT OF A SERVICE PROVIDER FOR THE SUPPLY AND DELIVERY OF PERFUSION AND CARDIOTHORACIC SURGERY REQUIREMENTS TO GROOTE SCHUUR HOSPITAL, TYGERBERG HOSPITAL AND RED CROSS WAR MEMORIAL CHILDREN'S HOSPITAL FOR A PERIOD OF THREE (3) YEARS

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		QTY Eac h	Unit Price (ZAR)	Total (ZAR)	QTY Eac h	Unit Price (ZAR)	Total (ZAR)	QTY Eac h	Unit Price (ZAR)	Total (ZAR)
82.	Straight-tip aortic arterial cannula: - bevelled, thin wall tips attached to tapered cannula bodies - vented connector - plug / cap on cannula included - adjustable haemostasis introducer system - depth markings - approx. 18-23cm length 6 Sizes - Connection site ¼ inch or 3/8 inch (as stipulated)									
82.1	8Fr (Connection site ¼ inch)	100			40			60		
82.2	10Fr (Connection site ¼ inch)	100			40			60		
82.3	12Fr (Connection site ¼ inch)	120			60			80		
82.4	14Fr (Connection site ¼ inch)	120			60			80		
82.5	16Fr (Connection site ¼ inch)	140			80			100		
82.6	16Fr (Connection site 3/8 inch)	140			80			100		

IMPORTANT: THE QUESTIONNAIRE BELOW MUST BE COMPLETED IN FULL BY REPLY TO EACH AND EVERY QUESTION.

No:	A. Brand name	B. Product/catalogue codes	C. Country of manufacture	D. State packaging offered
82.1.				
82.2.				
82.3.				
82.4.				
82.5.				
82.6.				

WCBD 3.1/2

PRICING SCHEDULE (PURCHASES) – CHTRV: PT17/2026: THE APPOINTMENT OF A SERVICE PROVIDER FOR THE SUPPLY AND DELIVERY OF PERFUSION AND CARDIOTHORACIC SURGERY REQUIREMENTS TO GROOTE SCHUUR HOSPITAL, TYGERBERG HOSPITAL AND RED CROSS WAR MEMORIAL CHILDREN'S HOSPITAL FOR A PERIOD OF THREE (3) YEARS

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		QTY Eac h	Unit Price (ZAR)	Total (ZAR)	QTY Eac h	Unit Price (ZAR)	Total (ZAR)	QTY Eac h	Unit Price (ZAR)	Total (ZAR)
83.	Angled Aortic arterial cannula: - 135° curved / angled tips with suture collar - tapered, one piece, kink resistant wire wound bodies - approx. 22cm length - ¼" or 3/16" connection site (size - dependent) - excluding connector Size range –									
83.1	6Fr (2.0mm)	120			100			100		
83.2	8Fr (2.6mm)	120			100			100		
83.3	9/10Fr (3.0 / 3.3mm)	120			100			100		
83.4	12Fr (3.8 / 4.0mm)	140			120			120		
83.5	14Fr (4.5mm)	140			120			120		
83.6	16Fr (5.3mm)	140			120			120		

IMPORTANT: THE QUESTIONNAIRE BELOW MUST BE COMPLETED IN FULL BY REPLY TO EACH AND EVERY QUESTION.

No.	A. Brand name	B. Product/catalogue codes	C. Country of manufacture	D. State packaging offered
83.1.				
83.2.				
83.3.				
83.4.				
83.5.				
83.6.				

WCBD 3.1/2

PRICING SCHEDULE (PURCHASES) – CHTRV: PT17/2026: THE APPOINTMENT OF A SERVICE PROVIDER FOR THE SUPPLY AND DELIVERY OF PERFUSION AND CARDIOTHORACIC SURGERY REQUIREMENTS TO GROOTE SCHUUR HOSPITAL, TYGERBERG HOSPITAL AND RED CROSS WAR MEMORIAL CHILDREN'S HOSPITAL FOR A PERIOD OF THREE (3) YEARS

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84.	Elongated arterial cannula: - cannula with thin wall tips with elongated, one piece, kink resistant wire-wound body - with introducer and hemostasis cap - depth markings and adjustable radiopaque suture ring - +/- 30,5cm length - includes blunt tip introducer without guide-wire - ¼" vented connector included 3 Sizes -									
84.1	6Fr	30			30			30		
84.2	8Fr	30			30			30		
84.3	10Fr	50			50			50		

IMPORTANT: THE QUESTIONNAIRE BELOW MUST BE COMPLETED IN FULL BY REPLY TO EACH AND EVERY QUESTION.

No.	A. Brand name	B. Product/catalogue codes	C. Country of manufacture	D. State packaging offered
84.1.				
84.2.				
84.3.				

WCBD 3.1/2

PRICING SCHEDULE (PURCHASES) – CHTRV: PT17/2026: THE APPOINTMENT OF A SERVICE PROVIDER FOR THE SUPPLY AND DELIVERY OF PERFUSION AND CARDIOTHORACIC SURGERY REQUIREMENTS TO GROOTE SCHUUR HOSPITAL, TYGERBERG HOSPITAL AND RED CROSS WAR MEMORIAL CHILDREN'S HOSPITAL FOR A PERIOD OF THREE (3) YEARS

NAME OF BIDDER:

BID NUMBER: **CHTRV: PT17/2026**

CLOSING DATE AND TIME: 17 APRIL 2026 AT 11H00
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		QT Y Ea ch	Unit Pric e (ZA R)	Total (ZAR)	QT Y Ea ch	Unit Price (ZAR)	Total (ZAR)	QT Y Ea ch	Unit Pric e (ZA R)	Total (ZAR)
85.	Arterial cannula for minimally invasive surgery (MICS) and / or Arterial cannula for alternate / additional arterial cannulation, such as axillary and subclavian: - has an introducer with blunt tip configuration - vent cap to reduce back-bleed when no guidewire is used in the procedure - depth markings to aid in placement Size range -									
85.1	8Fr	5			5			5		
85.2	10Fr	5			5			5		
85.3	12Fr	10			10			10		
85.4	14Fr	10			10			10		
85.5	16Fr	10			10			10		
85.6	18Fr	10			10			10		
85.7	20Fr	10			10			10		

IMPORTANT: THE QUESTIONNAIRE BELOW MUST BE COMPLETED IN FULL BY REPLY TO EACH AND EVERY QUESTION.

No.	A. Brand name	B. Product/catalogue codes	C. Country of manufacture	D. State packaging offered
85.1.				
85.2.				
85.3.				
85.4.				
85.5.				
85.6.				
85.7.				

WCBD 3.1/2

PRICING SCHEDULE (PURCHASES) – CHTRV: PT17/2026: THE APPOINTMENT OF A SERVICE PROVIDER FOR THE SUPPLY AND DELIVERY OF PERFUSION AND CARDIOTHORACIC SURGERY REQUIREMENTS TO GROOTE SCHUUR HOSPITAL, TYGERBERG HOSPITAL AND RED CROSS WAR MEMORIAL CHILDREN'S HOSPITAL FOR A PERIOD OF THREE (3) YEARS

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		QT Y Ea ch	Unit Pric e (ZA R)	Total (ZAR)	QT Y Ea ch	Unit Price (ZAR)	Total (ZAR)	QT Y Ea ch	Unit Pric e (ZA R)	Total (ZAR)
86.	Single stage right-angled metal Tip venous cannula: - one-piece, kink resistant, wire-reinforced body - right-angled metal tip: bevelled with multi-ports - body includes tip orientation line - 1/4-inch Connector 6 Sizes -									
86.1	12Fr	190			190			190		
86.2	14Fr	220			220			220		
86.3	16Fr	260			260			260		
86.4	18Fr	280			280			280		
86.5	20Fr	280			280			280		

IMPORTANT: THE QUESTIONNAIRE BELOW MUST BE COMPLETED IN FULL BY REPLY TO EACH AND EVERY QUESTION.

No.	A. Brand name	B. Product/catalogue codes	C. Country of manufacture	D. State packaging offered
86.1.				
86.2.				
86.3.				
86.4.				
86.5.				

WCBD 3.1/2

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		QT Y Ea ch	Unit Pric e (ZAR)	Total (ZAR)	QT Y Ea ch	Unit Price (ZAR)	Total (ZAR)	QT Y Ea ch	Unit Pric e (ZAR)	Tota l (ZAR)
87.	Venous cannula for minimally invasive surgery (MICS): - polyurethane thin-walled body with wire reinforcement - dilator can lock in full extended position for smooth insertion - radiopaque, tapered tip - ¼-inch connection site - 10-15cm length range Size range -									
87.1	8Fr	10			10			10		
87.2	10Fr	10			10			10		
87.3	12Fr	10			10			10		
87.4	14Fr	10			10			10		

IMPORTANT: THE QUESTIONNAIRE BELOW MUST BE COMPLETED IN FULL BY REPLY TO EACH AND EVERY QUESTION.

No.	A. Brand name	B. Product/catalogue codes	C. Country of manufacture	D. State packaging offered
87.1.				
87.2.				
87.3.				
87.4.				

WCBD 3.1/2

PRICING SCHEDULE (PURCHASES) – CHTRV: PT17/2026: THE APPOINTMENT OF A SERVICE PROVIDER FOR THE SUPPLY AND DELIVERY OF PERFUSION AND CARDIOTHORACIC SURGERY REQUIREMENTS TO GROOTE SCHUUR HOSPITAL, TYGERBERG HOSPITAL AND RED CROSS WAR MEMORIAL CHILDREN'S HOSPITAL FOR A PERIOD OF THREE (3) YEARS

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		QTY Each	Unit Price (ZAR)	Total (ZAR)	QTY Each	Unit Price (ZAR)	Total (ZAR)	QTY Each	Unit Price (ZAR)	Total (ZAR)
88.	Straight single stage venous cannula: - one piece, kink resistant, wire-wound body with tapered, multi-port tip - multiple port tip design - open lighthouse tip +/- 30 - 40 cm overall length - connection site 1/4-inch or 3/8-inch as stipulated Size range -									
88.1	12 Fr - 1/4" acceptance	240			240			240		
88.2	14 Fr - 1/4" acceptance	260			260			260		
88.3	16 Fr - 1/4" acceptance	300			300			300		
88.4	18 Fr - 1/4" acceptance	300			300			300		
88.5	18 Fr - 3/8" acceptance	300			300			300		
88.6	20 Fr - 1/4" acceptance	300			300			300		
88.7	20 Fr - 3/8" acceptance	300			300			300		
88.8	22 Fr - 1/4" acceptance	280			280			280		
88.9	22 Fr - 3/8" acceptance	280			280			280		
88.10	24 Fr - 1/4" acceptance	280			280			280		
88.11	24 Fr - 3/8" acceptance	300			300			300		
88.12	26 Fr - 3/8" acceptance	280			280			280		

IMPORTANT: THE QUESTIONNAIRE BELOW MUST BE COMPLETED IN FULL BY REPLY TO EACH AND EVERY QUESTION

No.	A. Brand name	B. Product/catalogue codes	C. Country of manufacture	D. State packaging offered
88.1.				
88.2.				
88.3.				
88.4.				
88.5.				
88.6.				
88.7.				
88.8.				
88.9.				
88.10.				
88.11.				
88.12.				

WCBD 3.1/2

PRICING SCHEDULE (PURCHASES) – CHTRV: PT17/2026: THE APPOINTMENT OF A SERVICE PROVIDER FOR THE SUPPLY AND DELIVERY OF PERFUSION AND CARDIOTHORACIC SURGERY REQUIREMENTS TO GROOTE SCHUUR HOSPITAL, TYGERBERG HOSPITAL AND RED CROSS WAR MEMORIAL CHILDREN'S HOSPITAL FOR A PERIOD OF THREE (3) YEARS

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		1 ST YEAR			2 ND YEAR			3 RD YEAR		
		QTY Each	Unit Price (ZAR)	Total (ZAR)	QTY Each	Unit Price (ZAR)	Total (ZAR)	QTY Each	Unit Price (ZAR)	Total (ZAR)
89.	Porous Vent Plugs (for arterial cannulae): - arterial cannula vent plug - porous - 1/4-inch	650			650			650		

IMPORTANT: THE QUESTIONNAIRE BELOW MUST BE COMPLETED IN FULL BY REPLY TO EACH AND EVERY QUESTION.

No.	A. Brand name	B. Product/catalogue codes	C. Country of manufacture	D. State packaging offered
89.				

WCBD 3.1/2

PRICING SCHEDULE (PURCHASES) – CHTRV: PT17/2026: THE APPOINTMENT OF A SERVICE PROVIDER FOR THE SUPPLY AND DELIVERY OF PERFUSION AND CARDIOTHORACIC SURGERY REQUIREMENTS TO GROOTE SCHUUR HOSPITAL, TYGERBERG HOSPITAL AND RED CROSS WAR MEMORIAL CHILDREN'S HOSPITAL FOR A PERIOD OF THREE (3) YEARS

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		QTY Each	Unit Price (ZAR)	Total (ZAR)	QTY Each	Unit Price (ZAR)	Total (ZAR)	QTY Each	Unit Price (ZAR)	Total (ZAR)
90.	Percutaneous insertion kit for paediatric venous ECMO cannula: - multi-dilators – 10-18Fr - 0.038inch J-tip guidewire +/- 60cm - guidewire advancer - needle - small blade - 10cc syringe	5			5			5		

IMPORTANT: THE QUESTIONNAIRE BELOW MUST BE COMPLETED IN FULL BY REPLY TO EACH AND EVERY QUESTION.

No.	A. Brand name	B. Product/catalogue codes	C. Country of manufacture	D. State packaging offered
90.				

WCBD 3.1/2

PRICING SCHEDULE (PURCHASES) – CHTRV: PT17/2026: THE APPOINTMENT OF A SERVICE PROVIDER FOR THE SUPPLY AND DELIVERY OF PERFUSION AND CARDIOTHORACIC SURGERY REQUIREMENTS TO GROOTE SCHUUR HOSPITAL, TYGERBERG HOSPITAL AND RED CROSS WAR MEMORIAL CHILDREN'S HOSPITAL FOR A PERIOD OF THREE (3) YEARS

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		QT Y Ea ch	Unit Pric e (ZA R)	Total (ZAR)	QT Y Ea ch	Unit Price (ZAR)	Total (ZAR)	QT Y Ea ch	Unit Pric e (ZA R)	Total (ZAR)
91.	Dual-lumen / Bi-caval (Venovenous) paediatric ECMO cannula: - radiopaque markings to assist in catheter insertion and placement and check placement on X-ray - tapered introducer tip - catheter tip reinforced - depth marks to optimize insertion - silicon and polyurethane materials - biocompatible - 11cm length - ¼-inch connection - approval of 30 days' application time - state if percutaneous insertion kit is included or not									
91.1	12Fr / 13Fr	5			5			5		
91.2	14Fr / 15Fr	5			5			5		
91.3	16Fr / 17Fr	5			5			5		
91.4	18Fr / 19Fr	5			5			5		

IMPORTANT: THE QUESTIONNAIRE BELOW MUST BE COMPLETED IN FULL BY REPLY TO EACH AND EVERY QUESTION.

No.	A. Brand name	B. Product/catalogue codes	C. Country of manufacture	D. State packaging offered
91.1.				
91.2.				
91.3.				
91.4.				

WCBD 3.1/2

PRICING SCHEDULE (PURCHASES) – CHTRV: PT17/2026: THE APPOINTMENT OF A SERVICE PROVIDER FOR THE SUPPLY AND DELIVERY OF PERFUSION AND CARDIOTHORACIC SURGERY REQUIREMENTS TO GROOTE SCHUUR HOSPITAL, TYGERBERG HOSPITAL AND RED CROSS WAR MEMORIAL CHILDREN'S HOSPITAL FOR A PERIOD OF THREE (3) YEARS

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		QTY Each	Unit Price (ZAR)	Total (ZAR)	QTY Each	Unit Price (ZAR)	Total (ZAR)	QTY Each	Unit Price (ZAR)	Total (ZAR)
92.	Percutaneous insertion kit for dual-lumen paediatric ECMO Cannula (if not included with cannula): As corresponds with size of Dual-lumen cannula selected, includes: - needle - multiple dilators – 12-22Fr (range could be available over 2-3 different insertion kit options) - 0.038" guidewire – 50-100cm (range could be available over 2-3 different insertion kit options) - blade	5			5			5		

IMPORTANT: THE QUESTIONNAIRE BELOW MUST BE COMPLETED IN FULL BY REPLY TO EACH AND EVERY QUESTION.

No.	A. Brand name	B. Product/catalogue codes	C. Country of manufacture	D. State packaging offered
92.				

WCBD 3.1/2

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93.	TBH Paediatric Hemoconcentrator Kit: - as per TBH requirements - see diagram 8 of Appendix B	100			100			100		

IMPORTANT: THE QUESTIONNAIRE BELOW MUST BE COMPLETED IN FULL BY REPLY TO EACH AND EVERY QUESTION.

No.	A. Brand name	B. Product/catalogue codes	C. Country of manufacture	D. State packaging offered
93.				

WCBD 3.1/2

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		QTY Each	Unit Price (ZAR)	Total (ZAR)	QTY Each	Unit Price (ZAR)	Total (ZAR)	QTY Each	Unit Price (ZAR)	Total (ZAR)
94.	S5 Stockert Heart-Lung Machine Disposable transducers:									
94.1	Sole proprietary Logical Dome with male/female luer lock - sterile, single-packed, single use	405			255			405		
94.2	Sole proprietary ArgoTrans transducer - sterile, single-packed, single use	50			50			50		

IMPORTANT: THE QUESTIONNAIRE BELOW MUST BE COMPLETED IN FULL BY REPLY TO EACH AND EVERY QUESTION.

No.	A. Brand name	B. Product/catalogue codes	C. Country of manufacture	D. State packaging offered
94.1.				
94.2.				

WCBD 3.1/2

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		QTY Each	Unit Price (ZAR)	Total (ZAR)	QTY Each	Unit Price (ZAR)	Total (ZAR)	QTY Each	Unit Price (ZAR)	Total (ZAR)
95.	S5 Stockert Heart-Lung Machine Disposable Level Sensor Pads:									
95.1	White level sensor pad: - single use, non-sterile - adhesive mounting strip that uses technology of high-frequency, electromagnetic waves in an electric oscillating circuit to read oxygenator blood level - capable of sensing through the polycarbonate plastic at a thickness range of 2-3 mm	650			650			650		
95.2	Green level sensor pad: - single use, non-sterile - adhesive mounting strip that uses technology of high-frequency, electromagnetic waves in an electric oscillating circuit to read oxygenator blood level - capable of sensing through the polycarbonate plastic at a thickness range of 2-4 mm	300			300			350		

IMPORTANT: THE QUESTIONNAIRE BELOW MUST BE COMPLETED IN FULL BY REPLY TO EACH AND EVERY QUESTION.

No.	A. Brand name	B. Product/catalogue codes	C. Country of manufacture	D. State packaging offered
95.1.				
95.2.				

WCBD 3.1/2

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		QT Y Ea ch	Unit Pric e (ZA R)	Total (ZAR)	QT Y Ea ch	Unit Price (ZAR)	Total (ZAR)	QT Y Ea ch	Unit Pric e (ZA R)	Total (ZAR)
96.	Sorin and Maquet Heater-Cooler Machines device and water disinfectant solutions and powders:									
96.1	Hydrogen peroxide 10 Vol (3%) 2.5 L	45			45			45		
96.2	Puristeril Plus 5L	15			15			15		
96.3	Chlorine powder (stipulate size)	25			25			25		
96.4	Citric acid powder (stipulate size)	10			10			10		

IMPORTANT: THE QUESTIONNAIRE BELOW MUST BE COMPLETED IN FULL BY REPLY TO EACH AND EVERY QUESTION.

No.	A. Brand name	B. Product/catalogue codes	C. Country of manufacture	D. State packaging offered
96.1.				
96.2.				
96.3.				
96.4.				

WCBD 3.1/2

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		QT Y Ea ch	Unit Pric e (ZA R)	Total (ZAR)	QT Y Ea ch	Unit Price (ZAR)	Total (ZAR)	QT Y Ea ch	Unit Pric e (ZA R)	Total (ZAR)
97.	Portable AED Defibrillator: - delivers defibrillation shocks to treat ventricular defibrillation and ventricular tachycardia									
97.A	Option to have device(s) placed at GSH / TBH / RCWMCH – please stipulate Y or N	Yes			No					
97.1	Disposable sole proprietary external defibrillator pads - - sole proprietary disposable external defibrillator pads - Internal paddle electrode with disposable pad adaptor cable and outside connector - Approximate Dimensions: 20cm length, 17 cm width, 4 cm height.	20 5			20 5			205		

IMPORTANT: THE QUESTIONNAIRE BELOW MUST BE COMPLETED IN FULL BY REPLY TO EACH AND EVERY QUESTION.

No.	A. Brand name	B. Product/catalogue codes	C. Country of manufacture	D. State packaging offered
97.1.				

WCBD 3.1/2

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		QTY Each	Unit Price (ZAR)	Total (ZAR)	QTY Each	Unit Price (ZAR)	Total (ZAR)	QTY Each	Unit Price (ZAR)	Total (ZAR)
98.	Jostra / Maquet Centrifugal Pump:									
98.1.	Sole Proprietary Disposable Rotaflow centrifugal dome: - compatible with Maquet-Jostraflo centrifugal pump - 3/8 inch size connections for adult use	10			10			10		

IMPORTANT: THE QUESTIONNAIRE BELOW MUST BE COMPLETED IN FULL BY REPLY TO EACH AND EVERY QUESTION.

No.	A. Brand name	B. Product/catalogue codes	C. Country of manufacture	D. State packaging offered
98.1.				

WCBD 3.1/2

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		QTY Each	Unit Price (ZAR)	Total (ZAR)	QTY Each	Unit Price (ZAR)	Total (ZAR)	QTY Each	Unit Price (ZAR)	Total (ZAR)
99.	Dual Chamber External Temporary Patient Pacemaker Device: - for temporary patient function - dual chamber: single and dual chamber pacing capability - mode capability: DDD, DOO, DDI, AAI, AOO, VVI, VOO - basic pacing rate: 30 – 200 ppm, upper rate of 80 – 230 ppm. rapid atrial pacing rate: 80 – 800 ppm - output amplitude - Atrial: 0.1 – 20 mA; Ventricular: 0.1 – 25 Ma - sensitivity - Atrial: 0.4 – 10 mV; Ventricular: - 0.8 – 20 mV. A-V Interval - Paced A-V (PAV): Auto 50 – 250, Manual 20 – 300; Sensed A-V (SAV): 50 – 25 - atrial refractory period: 150 – 500ms (PVARP); Atrial Refractory after an Atrial event equal to the AV interval Ventricular Blanking - Pace: 200 ms Sense: 120 ms. - low battery indicator									
99.A	Option to have device(s) placed at GSH / TBH / RCWMCH – please stipulate Y or N	Yes			No					
99.1	Patient Temporary Pacing Lead: - sole proprietary associated temporary pacing lead to externally connect to external patient temporary pacing wires of temporary pacing box (device) Two types -									
99.1.1	Atrial	105			155			155		
99.1.2	Ventricular	105			155			155		
99.2	Uni(mono)polar Temporary Myocardial Pacing Wires: - for temporary atrial and ventricular pacing - able to sense implant for a duration ≤ 7 days - single-packed, sterile - insulated multifilament conductor wire with distal discreet ring electrode and a coaxial conductor lead body - two separate wires: one end of wire stripped to have an electrode surface, terminating in an atraumatic myocardial curved needle, and the other wire terminating in a removable atraumatic chest needle - wire and needle thickness to be a 1:1 size ratio	1200			1200			1200		

<ul style="list-style-type: none"> - Needles NOT to be hollow - electrode: 0.2mm diameter, 50mm squared surface area - conductor: 0.2mm diameter, 610mm length (from break-away tip electrode) - conductor Resistance: 19 ohms, 0.86mm diameter, 23mm length - Material: electrodes - stainless steel; Needles - stainless steel; Conductor: stainless steel; Insulation - Polythylene (PE) 									
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99.3	<p>Bipolar Temporary Myocardial Pacing Wires:</p> <ul style="list-style-type: none"> - for temporary atrial and ventricular pacing - able to sense implant for a duration of 7 days or less - single-packed, sterile - insulated multifilament conductor wire with distal discreet ring electrode and a coaxial conductor lead body - one wire, crimped into conductor body, terminating in an atraumatic removable myocardial chest needle - conductor end wire to split into two parts - wire and needle thickness to be identical, i.e a 1:1 size ratio - needles NOT to be hollow - electrode: 0.2mm diameter, 50mm squared surface area - conductor: 0.2mm diameter, 610mm length (from break-away tip electrode) - conductor resistance: 19 ohms, 0.86mm diameter, 23mm length - material: electrodes - stainless steel; Needles - stainless steel; Conductor: stainless steel; Insulation - Polythylene (PE) 	900			900			900			
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IMPORTANT: THE QUESTIONNAIRE BELOW MUST BE COMPLETED IN FULL BY REPLY TO EACH AND EVERY QUESTION.

No.	A. Brand name	B. Product/catalogue codes	C. Country of manufacture	D. State packaging offered
99.1.1				
99.1.2.				
99.2.				
99.3.				

WCBD 3.1/2

PRICING SCHEDULE (PURCHASES) – CHTRV: PT17/2026: THE APPOINTMENT OF A SERVICE PROVIDER FOR THE SUPPLY AND DELIVERY OF PERFUSION AND CARDIOTHORACIC SURGERY REQUIREMENTS TO GROOTE SCHUUR HOSPITAL, TYGERBERG HOSPITAL AND RED CROSS WAR MEMORIAL CHILDREN'S HOSPITAL FOR A PERIOD OF THREE (3) YEARS

NAME OF BIDDER: BID NUMBER: **CHTRV: PT17/2026**

CLOSING DATE AND TIME: 17 APRIL 2026 **AT 11H00**
OFFERS SHALL BE VALID FOR **90** DAYS FROM CLOSING DATE OF BID

ITEM	DESCRIPTION OF PRODUCT	ESTIMATED QUANTITY & BID PRICE IN SA CURRENCY INCLUDING VAT								
		1 ST YEAR			2 ND YEAR			3 RD YEAR		
		QT Y Ea ch	Unit Pric e (ZA R)	Total (ZAR)	QT Y Ea ch	Unit Price (ZAR)	Total (ZAR)	QT Y Ea ch	Unit Pric e (ZA R)	Tota l (ZAR)
100.	Activated Clotting Time (ACT) device: - point of Care ACT device - suitable for use in cardiac surgery with cardiopulmonary bypass - high range ACT measurement - requires ≤ 1ml of blood for measurement - cuvette or tube-based									
100.A	Option to have device(s) placed at GSH / TBH / RCWMCH – please stipulate Y or N	Yes			No					
100.1	Sole proprietary associated tube / cuvette for ACT measurement	8500			8500			8500		
100.2	Sole proprietary quality control liquid or similar (if applicable)	20			20			20		

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100.1.				
100.2.				

WCBD 3.1/2

PRICING SCHEDULE (PURCHASES) – CHTRV: PT17/2026: THE APPOINTMENT OF A SERVICE PROVIDER FOR THE SUPPLY AND DELIVERY OF PERFUSION AND CARDIOTHORACIC SURGERY REQUIREMENTS TO GROOTE SCHUUR HOSPITAL, TYGERBERG HOSPITAL AND RED CROSS WAR MEMORIAL CHILDREN'S HOSPITAL FOR A PERIOD OF THREE (3) YEARS

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101.	In-line Monitoring for cardiopulmonary bypass Device: Must measure / calculate and display as many of the following parameters as possible in real-time: -pH -pO ₂ -pCO ₂ -Potassium (K) -Lactate -Base Excess (BE) -Standard Base Excess (SBE) -Venous saturation (SvO ₂) -Arterial saturation (SO ₂) -Oxygen delivery (DO ₂) -Oxygen consumption (VO ₂) -Oxygen extraction ratio (O ₂ ER) -Flow -Blood temperature -Hematocrit (Hct) -Hemoglobin (Hb)									
101.A	Option to have device(s) placed at GSH / TBH / RCWMCH – please stipulate Y or N	Yes			No					
101.1	Associated sole-proprietary disposables: - venous and / or arterial shunts / sensors - sterile, single-packed, sold per box	480			480			480		

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No.	A. Brand name	B. Product/catalogue codes	C. Country of manufacture	D. State packaging offered
101.1.				

WCBD 3:1/2

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		QTY Each	Unit Price (ZAR)	Total (ZAR)	QTY Each	Unit Price (ZAR)	Total (ZAR)	QTY Each	Unit Price (ZAR)	Total (ZAR)
102.	Cerebral Oxygenation Saturation / Oximeter Device: - provides continuous, real-time, site-specific, regional oxygen saturation (rSO2) - minimum of two channels with reusable sensor cables - non-invasive									
102.A	Option to have device(s) placed at GSH / TBH / RCWMCH – please stipulate Y or N	Yes					No			
102.1	Sole-proprietary disposable Adult sensor sticker for > 40Kg: - single-use	2400			2400			2400		
102.2	Sole-proprietary disposable Adult sensor sticker for < 40Kg: - single-use	1000			1000			1000		
102.3	Sole-proprietary disposable Infant-neonatal sensor sticker for < 5Kg: - single-use	900			900			900		

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No.	A. Brand name	B. Product/catalogue codes	C. Country of manufacture	D. State packaging offered
102.1.				
102.2.				
102.3.				

WCBD 3.1/2

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		QTY <i>Each</i>	Unit Price <i>(ZAR)</i>	Total <i>(ZAR)</i>	QTY <i>Each</i>	Unit Price <i>(ZAR)</i>	Total <i>(ZAR)</i>	QTY <i>Each</i>	Unit Price <i>(ZAR)</i>	Total <i>(ZAR)</i>
103.	Coronary Artery Graft Blood Flow Measurement Device: - uses ultrasound technology and is capable of: 1. epicardial imaging of coronary vessels, grafts and anastomoses 2. transit time flow measurement to check and confirm graft patency									
103.A	Option to have device(s) placed at GSH / TBH / RCWMCH – please stipulate Y or N	Yes				No				
103.1	Associated sole-proprietary disposable flow probes:									
103.1.1	Size 2mm	40			40			40		
103.1.2	Size 3mm	45			45			45		
103.1.3	Size 4mm	45			45			45		

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103.1.1.				
103.1.2.				
103.1.3.				

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		QTY Eac h	Unit Price (ZAR)	Total (ZAR)	QTY Eac h	Unit Price (ZAR)	Total (ZAR)	QTY Eac h	Unit Price (ZAR)	Total (ZAR)
104.	Blood-salvage / Cell-saving via Autotransfusion Device: - yields a very high Hematocrit post processing - has excellent supernatant removal - has excellent processing speed - internal suction source - smart suction technology advantageous									
104.A	Option to have device(s) placed at GSH / TBH / RCWMCH – please stipulate Y or N	Yes			No					
104.1	Associated sole-proprietary disposables:									
104.1.1	Complete kit	1250			1250			1250		
104.1.2	Reservoir (single)	450			450			450		
104.1.3	Suction line (single)	450			450			450		
104.1.4	Wash-kit (single) At least 2 (more is advantageous) different wash-bowl sizes, to optimize for procedure type and patient size OR alternative principles or technology that allow for optimizing smaller patients or procedures with less blood loss Specify sizes where applicable	450			450			450		

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No.	A. Brand name	B. Product/catalogue codes	C. Country of manufacture	D. State packaging offered
104.1.1				
104.1.2				
104.1.3				
104.1.4				

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105.	Cardiac ablation Device: - reusable electro-mechanical ablation system that utilizes both monopolar and bipolar radio frequency (RF) energy to ablate biological tissue in the treatment of arrhythmias during open heart surgery - enables treatment of deep tissue lesions - minimizes tissue charring - controllable by touchscreen and footswitch - provides visual and audible indications to signal the end of the ablation cycle									
105.A	Option to have device(s) placed at GSH / TBH / RCWMCH – please stipulate Y or N	Yes				No				
105.1	Associated sole-proprietary disposables:									
105.1.1	Bi-polar cardio-ablation pen	25			25			25		
105.1.2	Mono-polar cardio-ablation pen	25			25			25		
105.1.3	Mono-polar long-tip cardio-ablation pen (20cm shaft)	20			20			20		
105.1.4	Pulmonary Artery Isolator clamp/pen	25			25			25		

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No.	A. Brand name	B. Product/catalogue codes	C. Country of manufacture	D. State packaging offered
105.1.1.				
105.1.2.				
105.1.3.				
105.1.4				

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106.	Intra-Aortic Balloon Support Device: - provides mechanical cardiac support by means of counter-pulsation - clinically applicable over a wide range of patient conditions, including arrhythmias - must use fiber-optic technology										
106.A	Option to have device(s) placed at GSH / TBH / RCWMCH – please stipulate Y or N	Yes					No				
106.1	Associated sole-proprietary fiber-optic balloon catheters:										
106.1.1	Size 30cc (or comparable) 7-8Fr	25			25			25			
106.1.2	Size 40cc (or comparable) 7-8Fr	40			40			40			
106.1.3	Size 50cc (or comparable) 7-8Fr	40			40			40			
106.2	Associated sole-proprietary refill helium cylinder	15			15			15			

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No.	A. Brand name	B. Product/catalogue codes	C. Country of manufacture	D. State packaging offered
106.1.1.				
106.1.2.				
106.1.3.				
106.2.				

WCBD 3.1/2

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107.	ECMO Device with associated Heater Cooler Device: - easily transportable - battery backup or a backup pump in case of power failure - able to perform VA and VV ECMO procedure - measure and display at least these 3 pressures: - venous – (pre-oxygenator) - arterial – (post-oxygenator) - delta Pa. (difference between pre- and post Pa.) - measure and display patient parameters: SVO2, Hb and/or Hct and blood temperature - display both RPM and Flow Rate - include optional use of safety features and devices, such as bubble detection and alarm-alert - quick, easy setup in less than 10 minutes in preparing for use on a patient - low prime volume - heater cooler hoses must attach to oxygenator.									
107.A	Option to have device(s) placed at GSH / TBH / RCWMCH – please stipulate Y or N	Yes			No					
107.1	Associated sole-proprietary ECMO kits: - disposable, sterile, single-use - heparin coated - size range from neonate to adult									
107.1.1	0 - 0.8 L/min (or similar)	2			1			2		
107.1.2	0.8 – 2.4 L/min (or similar)	6			5			5		
107.1.3	2.4 – 4.5 L/min (or similar)	5			5			5		
107.1.4	1 – 7 L/min (or similar)	0			0			0		

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No.	A. Brand name	B. Product/catalogue codes	C. Country of manufacture	D. State packaging offered
107.1.1.				
107.1.2.				
107.1.3.				
107.1.4.				

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108a.	Left Atrial Clip (Closure) Device: - easy-to-hold design with malleable shaft - sealed left atrial appendage orifice should result in a smooth endothelial tissue surface - should be non-piercing - must provide atraumatic exclusion of the left atrial appendage - measuring device for appropriate size selection should be included.										
108a.A	Option to have device(s) placed at GSH / TBH / RCWMCH – please stipulate Y or N	Yes					No				
108b.	Associated sole-proprietary Atrial Clips: Size range -										
108b.1	35mm	10			10			10			
108b.2	40mm	10			10			10			
108b.3	45mm	10			10			10			
108b.4	50mm	10			10			10			

IMPORTANT: THE QUESTIONNAIRE BELOW MUST BE COMPLETED IN FULL BY REPLY TO EACH AND EVERY QUESTION.

No.	A. Brand name	E. Product/catalogue codes	F. Country of manufacture	G. State packaging offered
108b.1.				
108b.2.				
108b.3.				
108b.4.				

WCBD 3.1/2

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		QTY Eac h	Unit Price (ZAR)	Total (ZAR)	QTY Each	Unit Price (ZAR)	Total (ZAR)	QTY Eac h	Unit Price (ZAR)	Total (ZAR)
109.1	Ligation Clip Reusable Applier Device(s): - used to deliver metal ligating clips - for use on tubular structures or vessels - has grooves on the inside jaw surfaces of the applier to increase in-jaw clip security - 2 different types of Appliers: i.) multiple clip appliers for single patient use in open procedures, sizes small, medium, large. ii. multi-patient use single clip applier in open procedures, sizes small, medium, large.									
109.1A	Option to have device(s) placed at GSH / TBH / RCWMCH – please stipulate Y or N	Yes			No					
109.1.1	Associated sole-proprietary Titanium disposable clips: - designed for secure fixation on the structure and increased resistance to dislodgment of a formed clip - clips compatible with both open and endoscopic single clip appliers - range of sizes (as below or similar) - colour coded by size - specify number per box if more than one option - sterile, single use									
109.1.1.1	<u>Small:</u> Clip aperture - 3.0mm; closed clip length – 3.63mm	520			520			520		
109.1.1.2	<u>Medium:</u> Clip aperture - 4.0mm; closed clip length – 5.33mm	520			520			520		
109.1.1.3	<u>Medium-Large:</u> Clip aperture - 6.4mm; closed clip length – 8.99mm	510			510			510		
109.1.1.4	<u>Large:</u> Clip aperture - 7.5mm; closed clip length – 12.26mm	5			5			5		
109.2	Disposable Ligation Clip Applier Device with associated Clips: - device used to deliver metal ligating clips - for use on tubular structures or vessels - can be used in open procedures - single patient use, disposable, sterile - different sizes (as below or similar)									
109.2.1	<u>Small:</u> Clip aperture - 3.0mm; closed clip length – 3.63mm	20			20			20		
109.2.2	<u>Medium:</u> Clip aperture - 4.0mm; closed clip length – 5.33mm	20			20			20		
109.2.3	<u>Medium-Large:</u> Clip aperture - 6.4mm; closed clip length – 8.99mm	10			10			10		
109.2.4	<u>Large:</u> Clip aperture - 7.5mm; closed clip length – 12.26mm	5			5			5		

IMPORTANT: THE QUESTIONNAIRE BELOW MUST BE COMPLETED IN FULL BY REPLY TO EACH AND EVERY QUESTION.

No.	A. Brand name	B. Product/catalogue codes	C. Country of manufacture	D. State packaging offered
109.1.1.1.				
109.1.1.2.				
109.1.1.3.				
109.1.1.4.				
109.2.1.				
109.2.2.				
109.2.3.				
109.2.4.				

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PRICING SCHEDULE (PURCHASES) – CHTRV: PT17/2026: THE APPOINTMENT OF A SERVICE PROVIDER FOR THE SUPPLY AND DELIVERY OF PERFUSION AND CARDIOTHORACIC SURGERY REQUIREMENTS TO GROOTE SCHUUR HOSPITAL, TYGERBERG HOSPITAL AND RED CROSS WAR MEMORIAL CHILDREN'S HOSPITAL FOR A PERIOD OF THREE (3) YEARS

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110.	Cryoablation Device: - uses cryoprecipitate technology to provide long lasting pain relief for patients by (cold) ablation of peripheral intercostal nerves - non-sterile, reusable device which delivers cryogenic energy, namely nitrous oxide (N2O), to single-use disposable cryo-ablation probes - system includes cryo "box" (machine) and accessories: N2O gas cylinder, N2O gas line hose with filter canister set, N2O exhaust hose, cylinder heater band, power cord, integral tube set, and footswitch - provides controlled lesion forming temperatures below -40°C, with operating ranges between -50°C to -70°C - includes Freeze and Defrost operation modes (or similar)									
110A	Option to have device(s) placed at GSH / TBH / RCWMCH – please stipulate Y or N	Yes			No					
110.1	Associated sole-proprietary disposables: - sterile, single use Cryoablation probes									
110.1.1	8mm – - bendable distal shaft - 8mm ball tip - available in 11-inch and 17-inch probe sizes - double wall vacuum insulation - active defrost	115			115			115		
110.1.2	10mm - bendable distal shaft - 10mm ball tip - available in 11-inch and 17-inch probe sizes - double wall vacuum insulation - active defrost	110			110			110		

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No.	A. Brand name	B. Product/catalogue codes	C. Country of manufacture	D. State packaging offered
110.1.1.				
110.1.2.				

WCBD 3.1/2

PRICING SCHEDULE (PURCHASES) – CHTRV: PT17/2026: THE APPOINTMENT OF A SERVICE PROVIDER FOR THE SUPPLY AND DELIVERY OF PERFUSION AND CARDIOTHORACIC SURGERY REQUIREMENTS TO GROOTE SCHUUR HOSPITAL, TYGERBERG HOSPITAL AND RED CROSS WAR MEMORIAL CHILDREN'S HOSPITAL FOR A PERIOD OF THREE (3) YEARS

NAME OF BIDDER:	BID NUMBER: CHTRV: PT17/2026
CLOSING DATE AND TIME: 17 APRIL 2026 AT 11H00	OFFERS SHALL BE VALID FOR 90 DAYS FROM CLOSING DATE OF BID

ITEM	DESCRIPTION OF PRODUCT	ESTIMATED QUANTITY & BID PRICE IN SA CURRENCY INCLUDING VAT								
		1 ST YEAR			2 ND YEAR			3 RD YEAR		
		QTY Each	Unit Price (ZAR)	Total (ZAR)	QTY Each	Unit Price (ZAR)	Total (ZAR)	QTY Each	Unit Price (ZAR)	Total (ZAR)
111.	Portable Diathermy Device: - capable of using 2 separate diathermy pens simultaneously									
111A	Option to have device(s) placed at GSH / TBH / RCWMCH – please stipulate Y or N	Yes			No					
111.1	Associated sole-proprietary disposables: - sterile, single use diathermy pens. 2 types -									
111.1.1	Standard dual-mode electro-surgical pen: i. coagulation mode for hemostasis ii. cutting mode for cutting tissue - slim, tapered ergonomic design - slip-proof handle - switch button for smooth activation - coated preloaded electrode blade	850			850			850		
111.1.2	Surgeon finger control pen with 3 modes	50			50			50		

IMPORTANT: THE QUESTIONNAIRE BELOW MUST BE COMPLETED IN FULL BY REPLY TO EACH AND EVERY QUESTION.

No.	A. Brand name	B. Product/catalogue codes	C. Country of manufacture	D. State packaging offered
111.1.1.				
111.1.2.				

WCBD 3.1/2

PRICING SCHEDULE (PURCHASES) – CHTRV: PT17/2026: THE APPOINTMENT OF A SERVICE PROVIDER FOR THE SUPPLY AND DELIVERY OF PERFUSION AND CARDIOTHORACIC SURGERY REQUIREMENTS TO GROOTE SCHUUR HOSPITAL, TYGERBERG HOSPITAL AND RED CROSS WAR MEMORIAL CHILDREN'S HOSPITAL FOR A PERIOD OF THREE (3) YEARS

NAME OF BIDDER: BID NUMBER: **CHTRV: PT17/2026**
CLOSING DATE AND TIME: 17 APRIL 2026 **AT 11H00**
OFFERS SHALL BE VALID FOR **90** DAYS FROM CLOSING DATE OF BID

ITEM	DESCRIPTION OF PRODUCT	ESTIMATED QUANTITY & BID PRICE IN SA CURRENCY INCLUDING VAT									
		1 ST YEAR			2 ND YEAR			3 RD YEAR			
		QTY Each	Unit Price (ZAR)	Total (ZAR)	QTY Each	Unit Price (ZAR)	Total (ZAR)	QTY Each	Unit Price (ZAR)	Total (ZAR)	
112.	Endoscopic Vein Harvesting Device: - specialized device / hardware equipment intended for minimally invasive harvesting of the saphenous vein and radial artery, primarily for coronary artery bypass grafting (CABG) procedures										
112A	Option to have device(s) placed at GSH / TBH / RCWMCH – please stipulate Y or N Note: If yes, please include device brochure	Yes					No				
112.1	Associated sole-proprietary consumable: - sterile, single use, disposable										
112.1.1	Endoscopic vessel harvesting set: - full kit / set for one procedure, incl. items such as harvesting cannula, harvesting tool, trocar, dissection tool, CO2 insufflation piece, syringes and related endoscope consumable items	70			70			70			

IMPORTANT: THE QUESTIONNAIRE BELOW MUST BE COMPLETED IN FULL BY REPLY TO EACH AND EVERY QUESTION.

No.	A. Brand name	B. Product/catalogue codes	C. Country of manufacture	D. State packaging offered
112.1.1.				

5.	<p><u>SAMPLES</u></p> <p>The department reserves the right to request samples from a bidder during the evaluation process. Should a sample be requested, the bidder will be required to deliver the sample to the address specified, within the timeframe communicated in writing by the Department. Failure to submit the requested sample within the stipulated timeframe will result in the bid being disqualified. The offer will not be considered for further evaluation.</p>	
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Appendix A: GSH Custom Drawings

1. Diagram 1: HTK-Blood cardioplegia system
2. Diagram 2: Adult haemoconcentrator set
3. Diagram 3: 3/8" AV loop with venous adapter
4. Diagram 4: 3/8-1/2" AV loop with venous adapter
5. Diagram 5: Gravity / heart transplant cardioplegia kit
6. Diagram 6: GSH LVAD centrifugal pack
7. Diagram 7: Adult tubing pack with arterial filter
8. Diagram 8: Adult tubing pack without arterial filter
9. Diagram 9: Perfadex Kit
10. Diagram 10: Basic femoral cannulation dissection pack
11. Diagram 11: Transducer protector
12. Diagram 12: Vacuum guard / protector

Diagram 2: Adult haemoconcentrator set

Note: entire circuit bio-coated. The tubing to be PVC Shore 65 A and sterile.

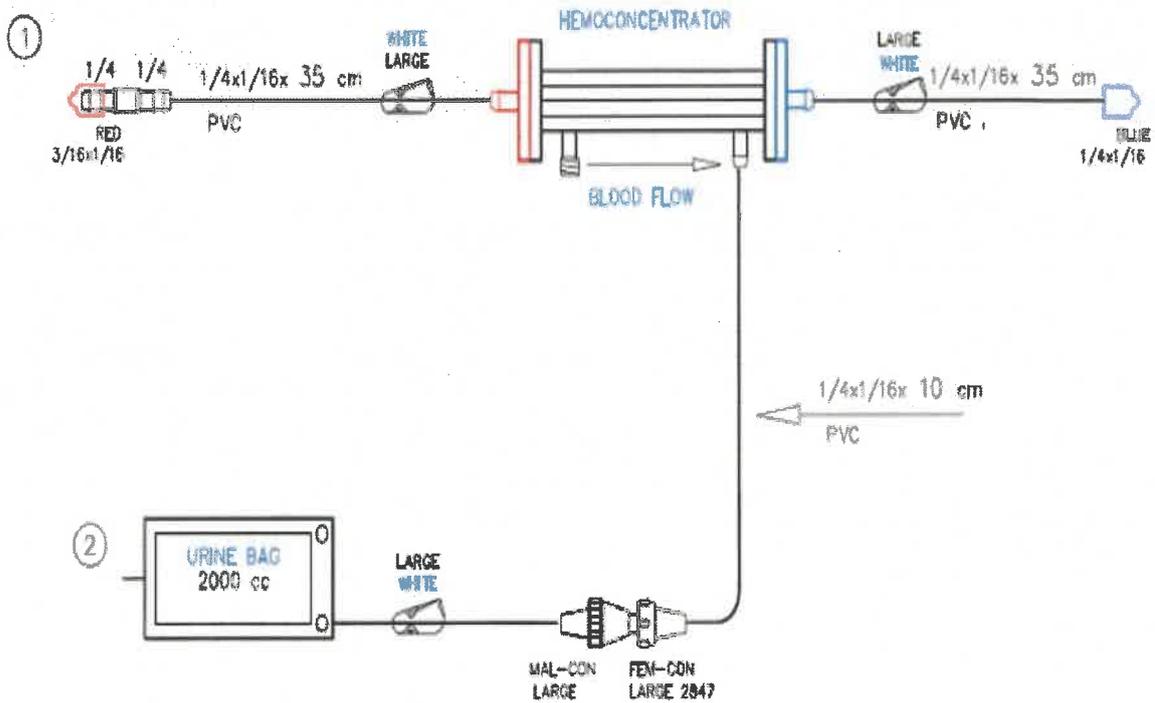


Diagram 3: 3/8-3/8" AV Loop with venous adapter

Note: entire circuit bio-coated. The AV loop is to be PVC Shore 65 A and coiled in such a way that it does not spiral tightly in on itself; a deeper tray is acceptable to facilitate this. Sterile.

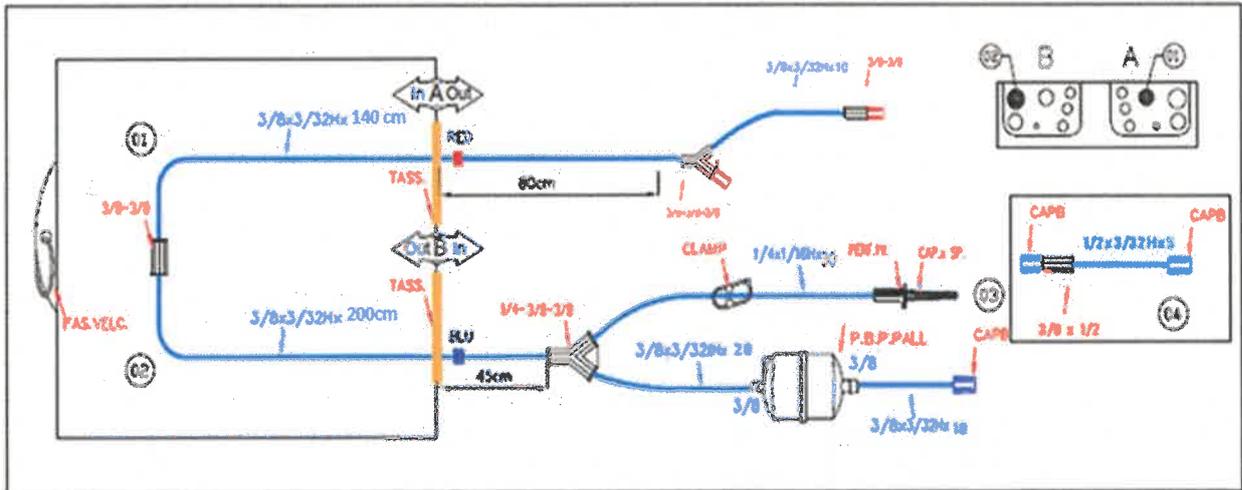


Diagram 4: 3/8-1/2" AV Loop with venous adapter

Note: entire circuit bio-coated. The AV loop is to be PVC Shore 65 A and coiled in such a way that it does not spiral tightly in on itself; a deeper tray is acceptable to facilitate this. Sterile

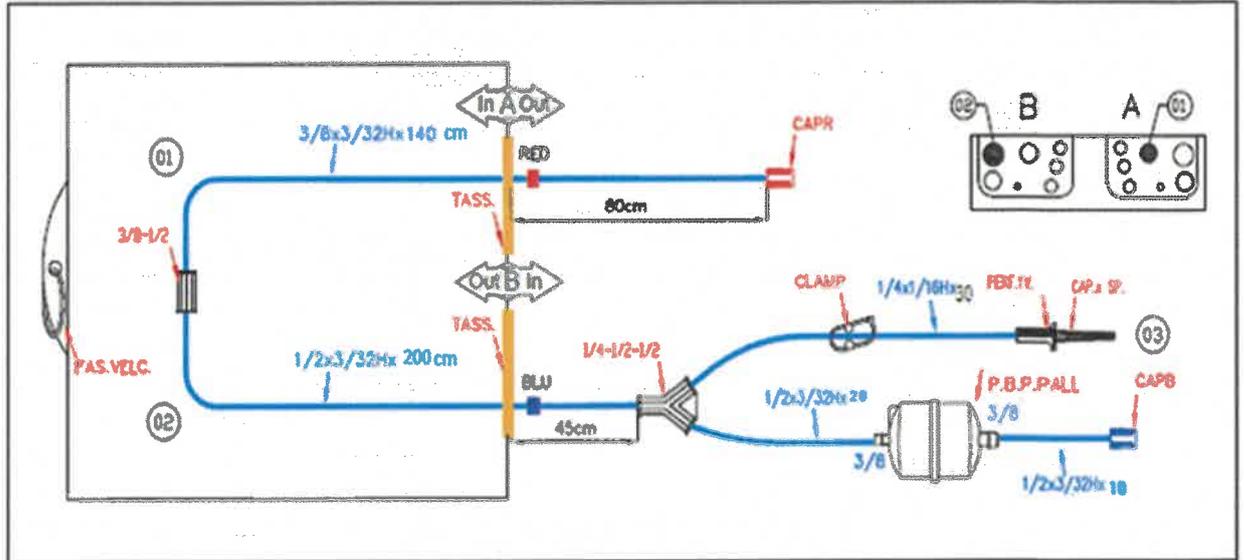


Diagram 5: Gravity cardioplegia line

Note: entire circuit bio-coated. All tubing to be PVC of 65-70 Shore A. Sterile

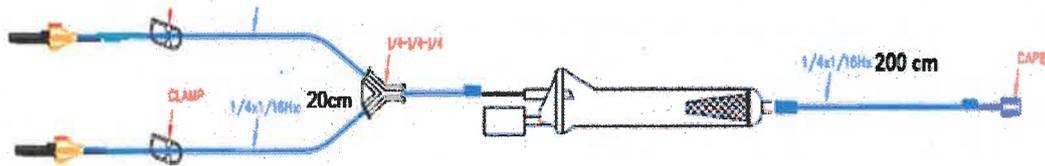


Diagram 6: Centrifugal pack

Note: entire circuit bio-coated. All tubing to be PVC of 65-70 Shore A. Sterile

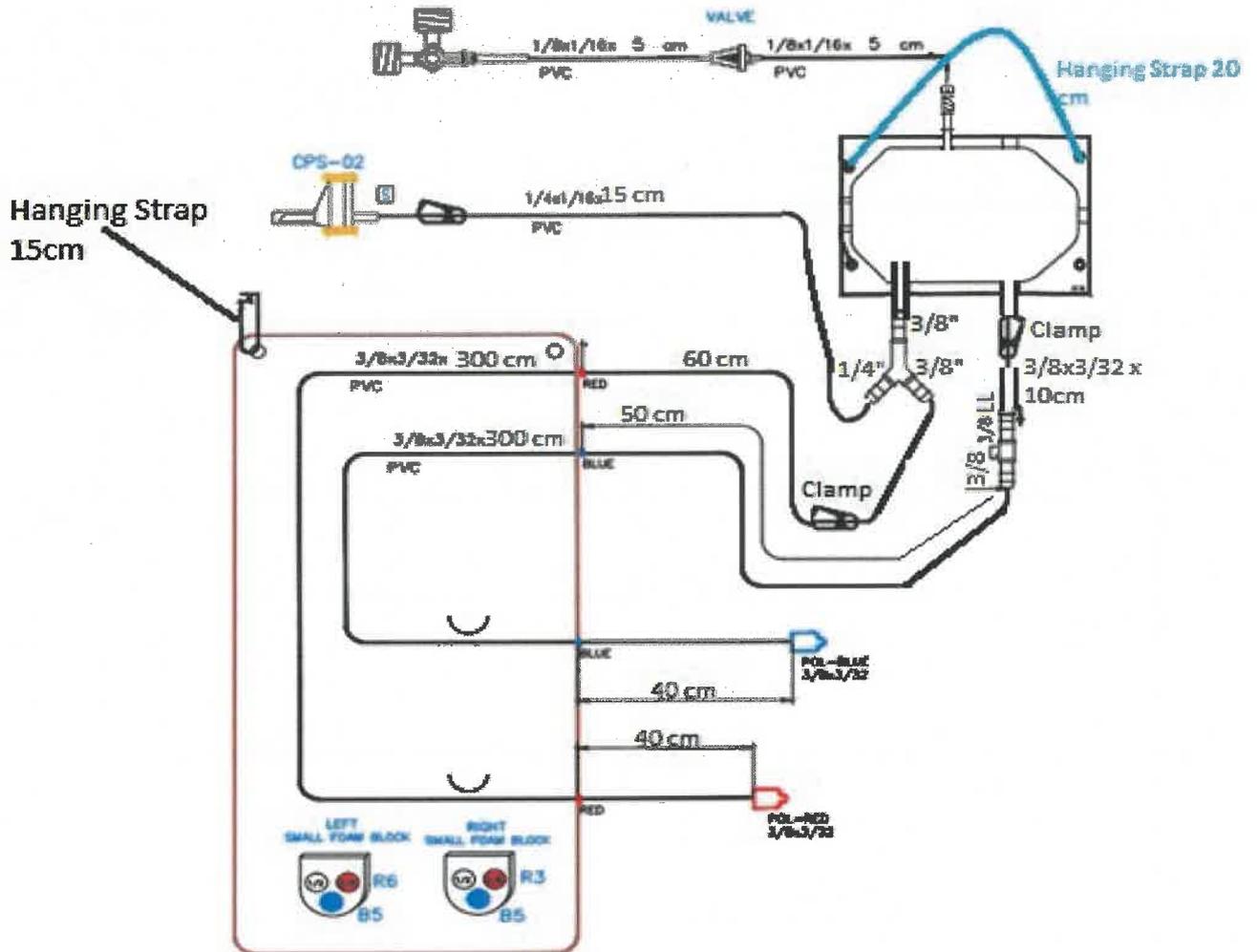


Diagram 7: Adult tubing pack with arterial filter

Note: entire circuit bio-coated. All tubing to be PVC of 65-70 Shore A, unless stipulated as Silicone – in which case to be of Rehau type (or equivalent) 60 Shore A. The AV loop is to be PVC Shore 65 A and coiled in such a way that it does not spiral tightly in on itself; a deeper tray is acceptable to facilitate this. Sterile

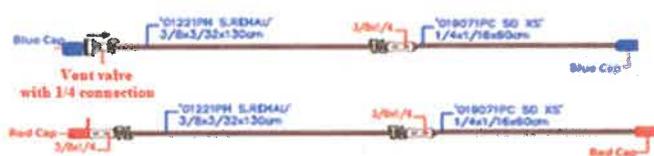
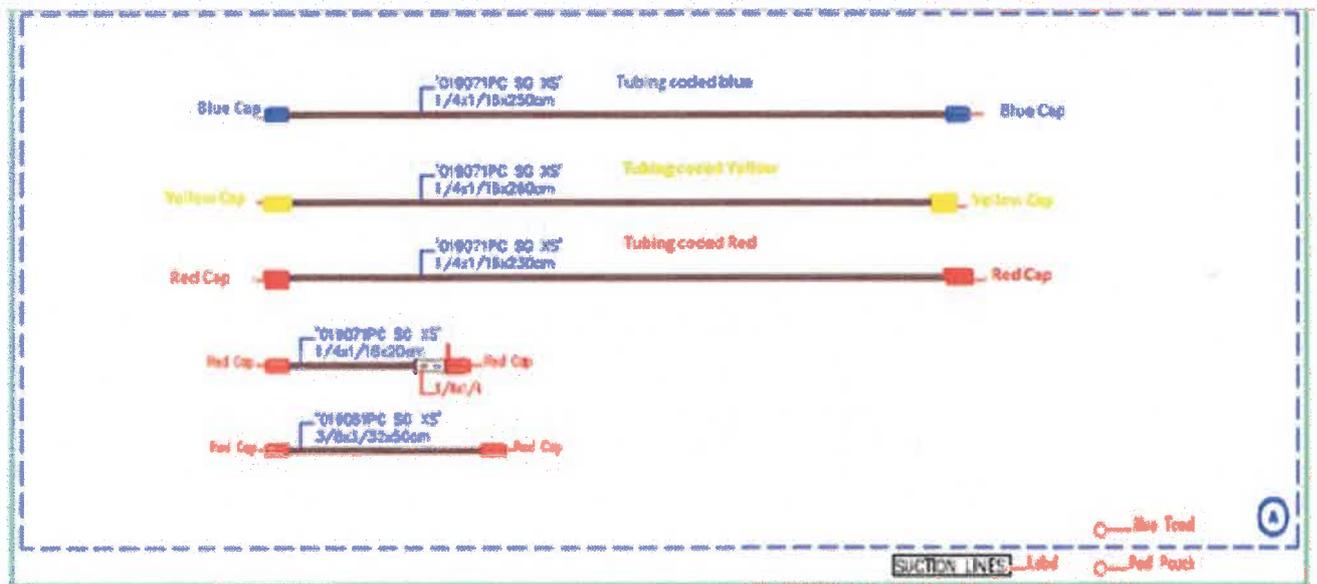
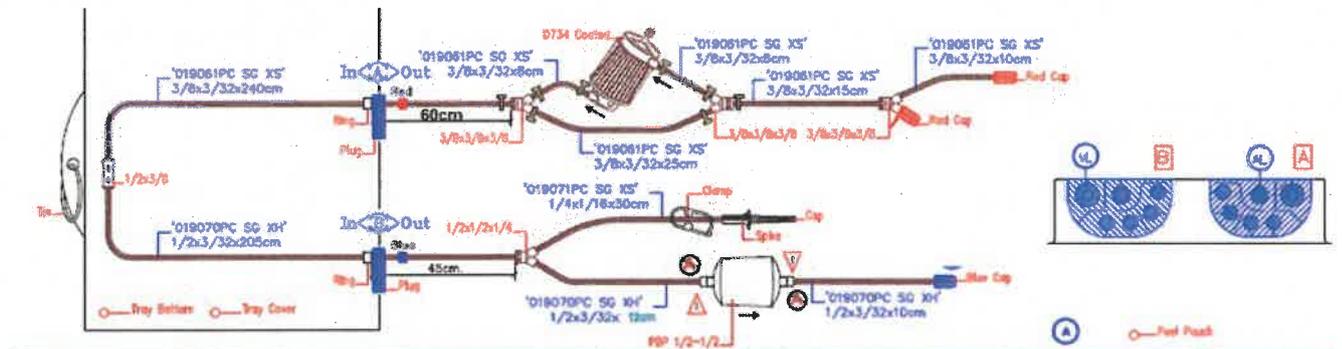
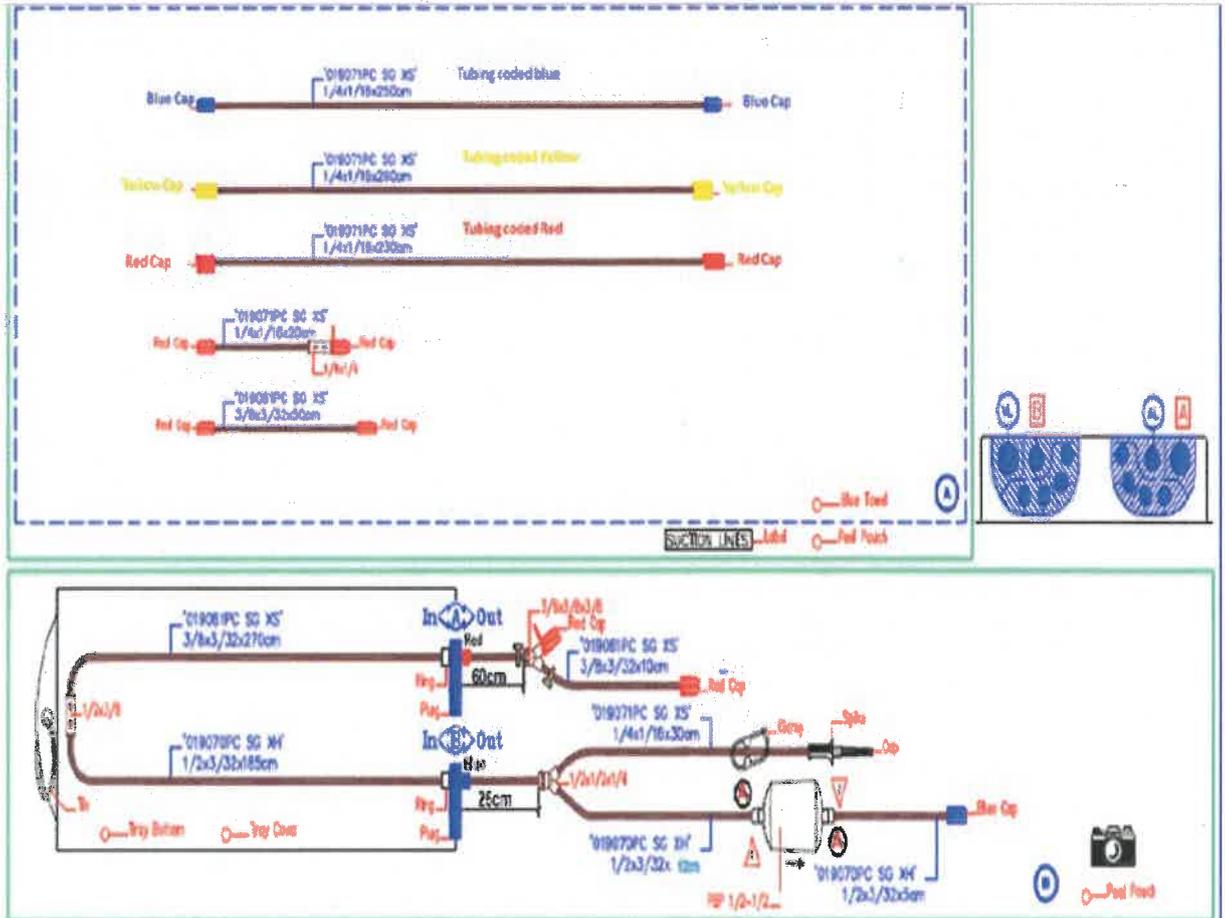


Diagram 8: Adult tubing pack without arterial filter

Note: entire circuit bio-coated. All tubing to be PVC of 65-70 Shore A, unless stipulated as Silicone – in which case to be of Rehau type (or equivalent) 60 Shore A. The AV loop is to be PVC Shore 65 A and coiled in such a way that it does not spiral tightly in on itself; a deeper tray is acceptable to facilitate this. Sterile



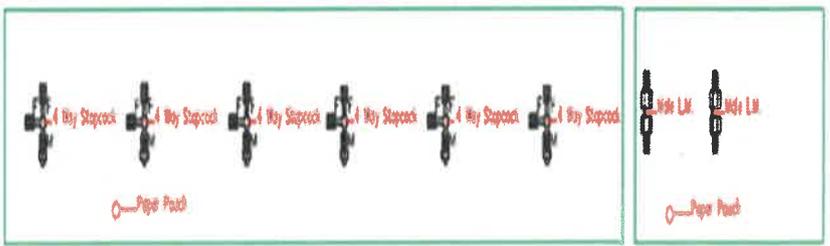
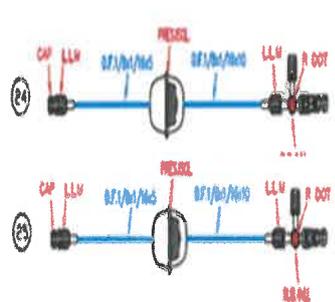
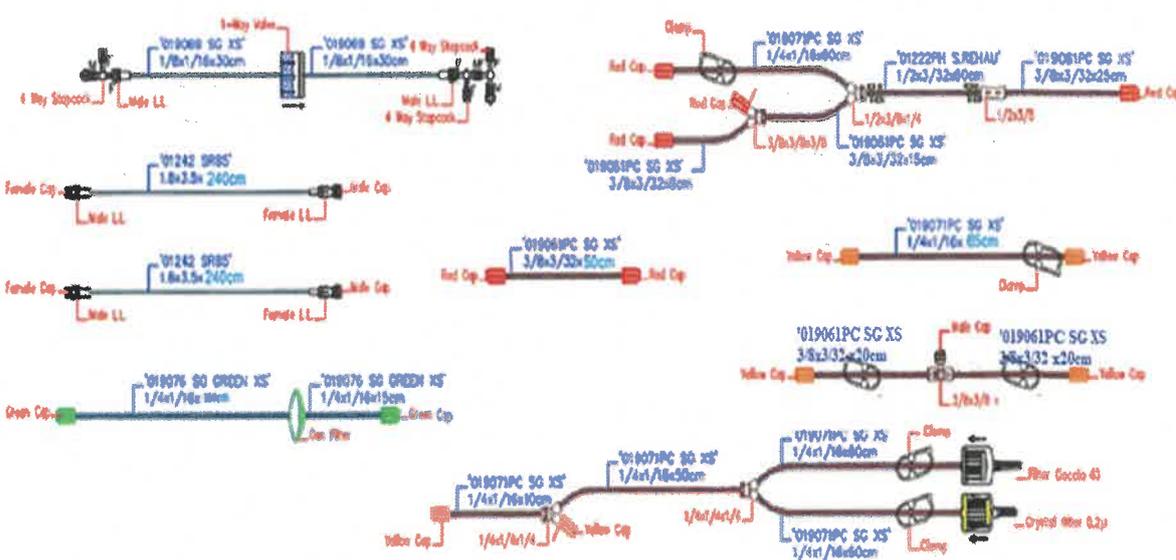


Diagram 9: Perfadex kit

Note: entire circuit bio-coated. All tubing to be PVC of 65-70 Shore A. Sterile

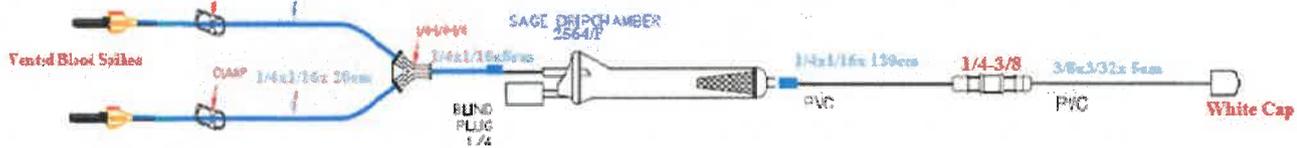


Diagram 10: Basic femoral cannulation dissection kit

Note: entire circuit bio-coated. All tubing to be PVC of 65-70 Shore A. Sterile

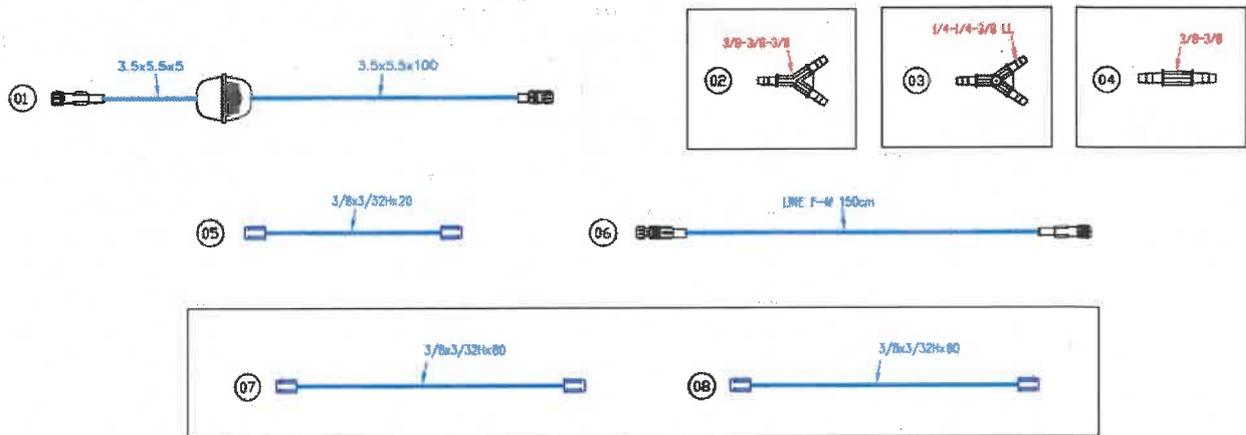


Diagram 11: Transducer Protector

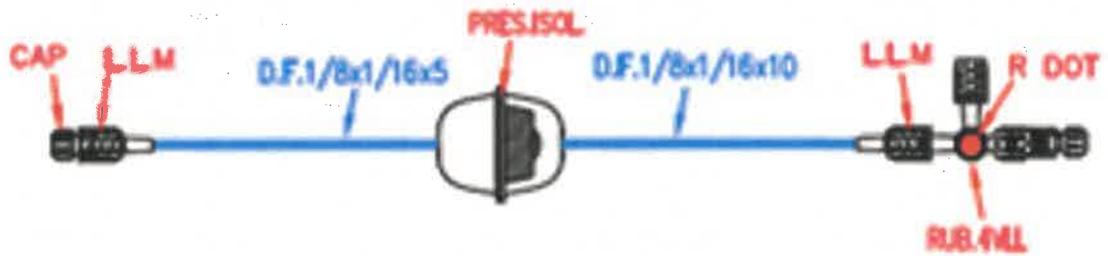


Diagram 12: Vacuum Guard / Protector



Appendix B: TBH Custom Drawings

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Diagram 1: Adult Blood Cardioplegia System

Note: Entire circuit must be bio-coated. All tubing to be PVC of 65-70 Shore A, unless stipulated as silicone which has to be of Rehau type (or equivalent). Cable ties should be added to all pre-connections. Blocks around figures indicate sterile individual packaging.

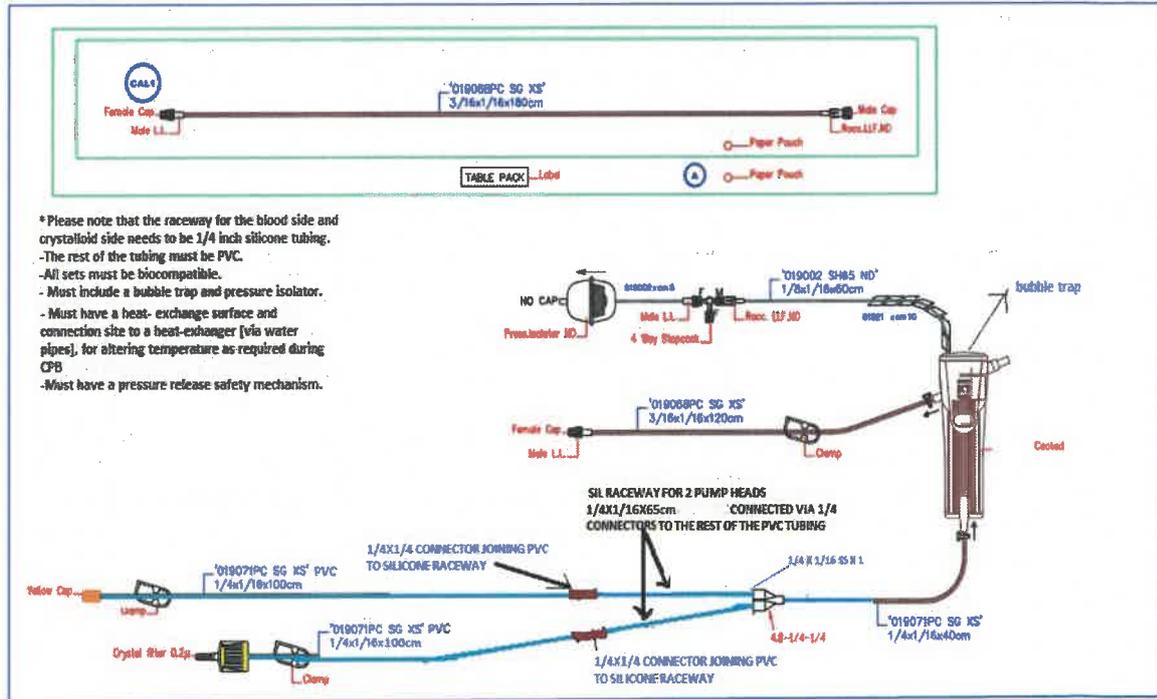


Diagram 2: Adult Hemoconcentrator Pack

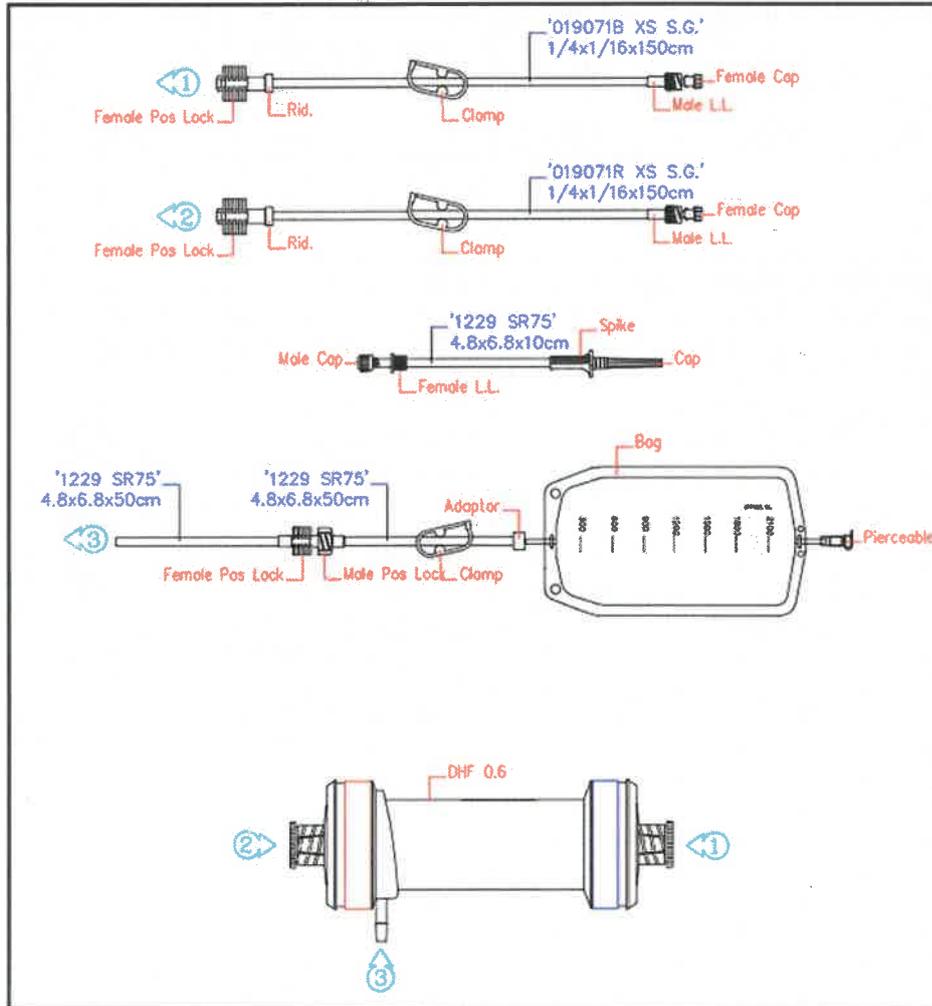


Diagram 3: Adult 3/8-inch AV Loop

Note: Should be bio-coated. Tubing to be PVC with a 65-70 Shore A. Sterile

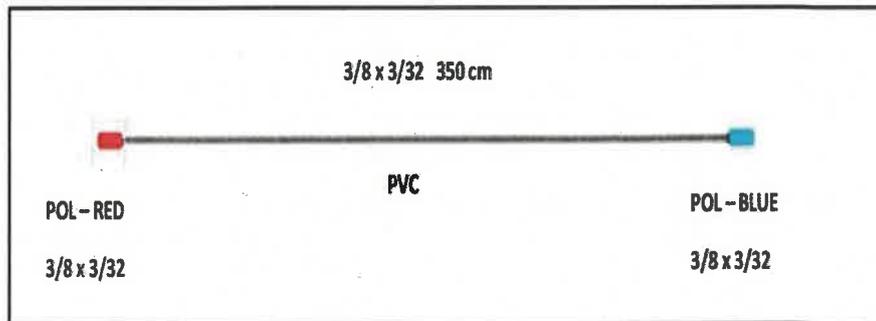


Diagram 5: Adult Tubing Pack with Arterial Filter

Note: Entire circuit must be bio-coated. All tubing to be PVC of 65-70 Shore A, unless stipulated as silicone which has to be of Rehau type (or equivalent). Cable ties should be added to all pre-connections. Blocks around figures indicate sterile individual packaging.

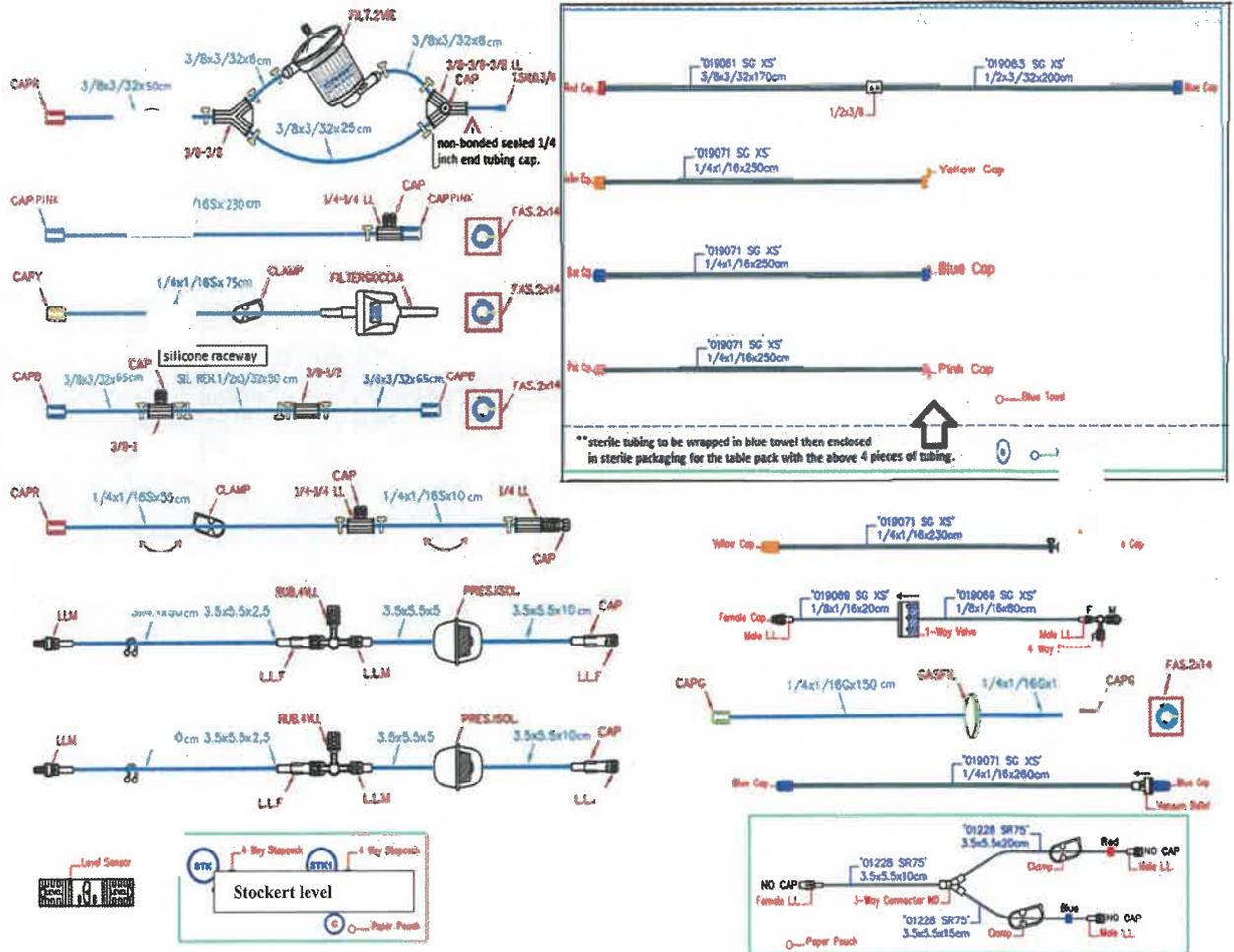


Diagram 6: Paediatric Cardioplegia Set

Note: Entire circuit must be bio-coated. All tubing to be PVC of 65-70 Shore A, unless stipulated as silicone which has to be of Rehau type (or equivalent). Cable ties should be added to all pre-connections. Blocks around figures indicate sterile individual packaging.

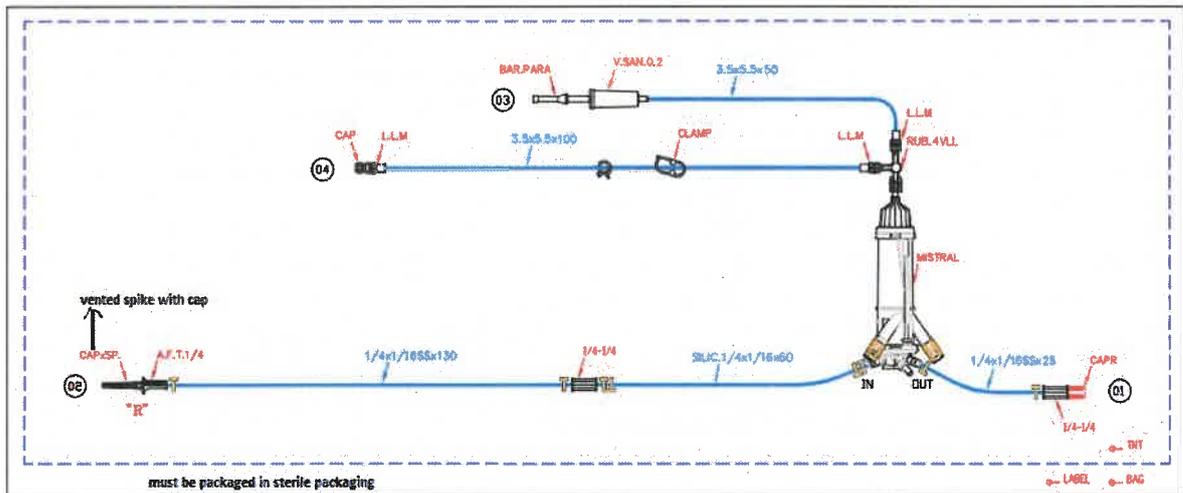


Diagram 7: Paediatric Tubing Pack

Note: Entire circuit must be bio-coated. All tubing to be PVC of 65-70 Shore A, unless stipulated as silicone which has to be of Rehau type (or equivalent). Cable ties should be added to all pre-connections. Blocks around figures indicate sterile individual packaging.

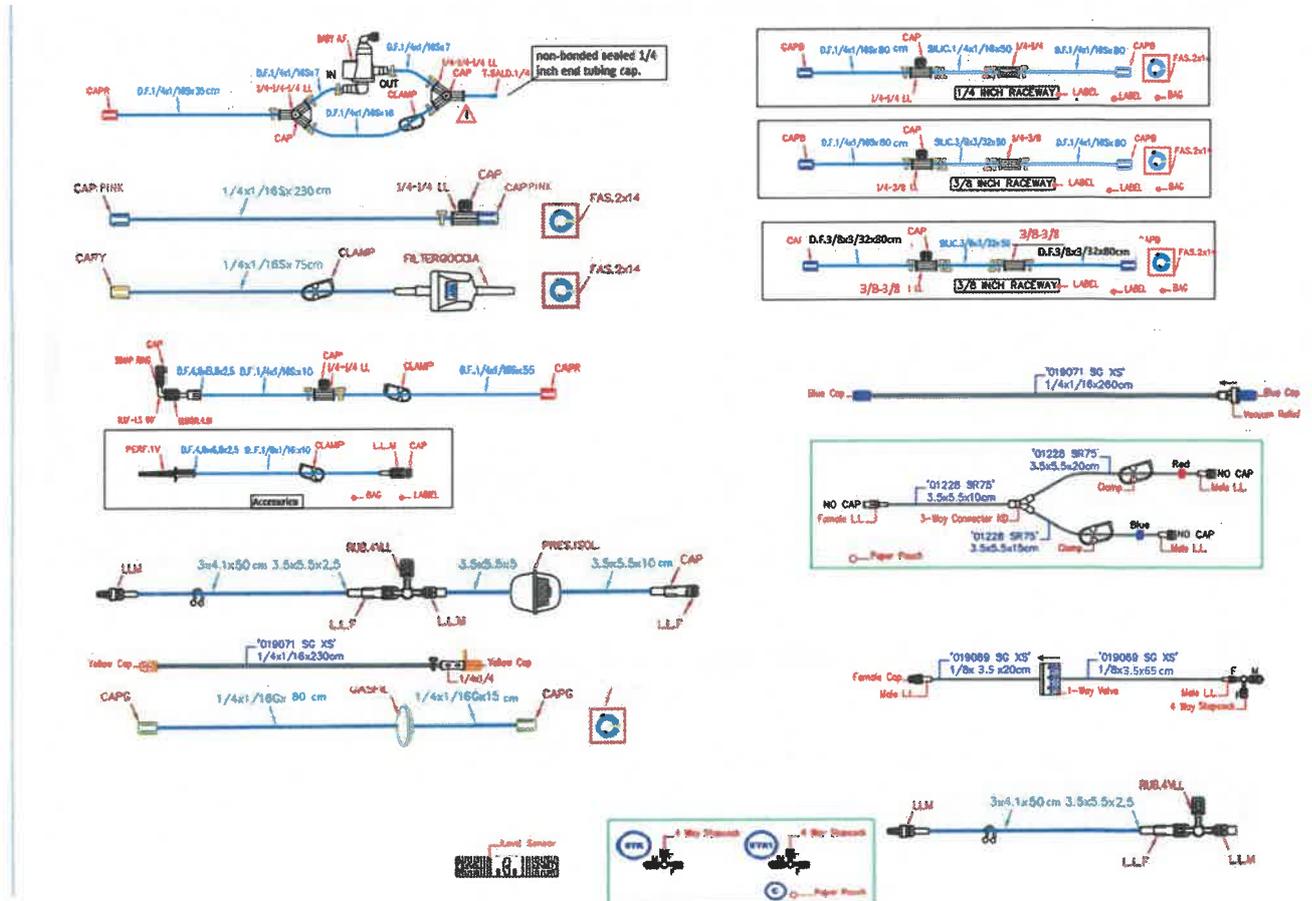


Table pack on the following page. Table pack tubing to be wrapped in a blue towel then enclosed in sterile packaging and included inside the tubing pack.
 Sterile Table pack to be included in the Paediatric Tubing Pack. Note: must be bio-coated. All tubing to be PVC of 65-70 Shore A.

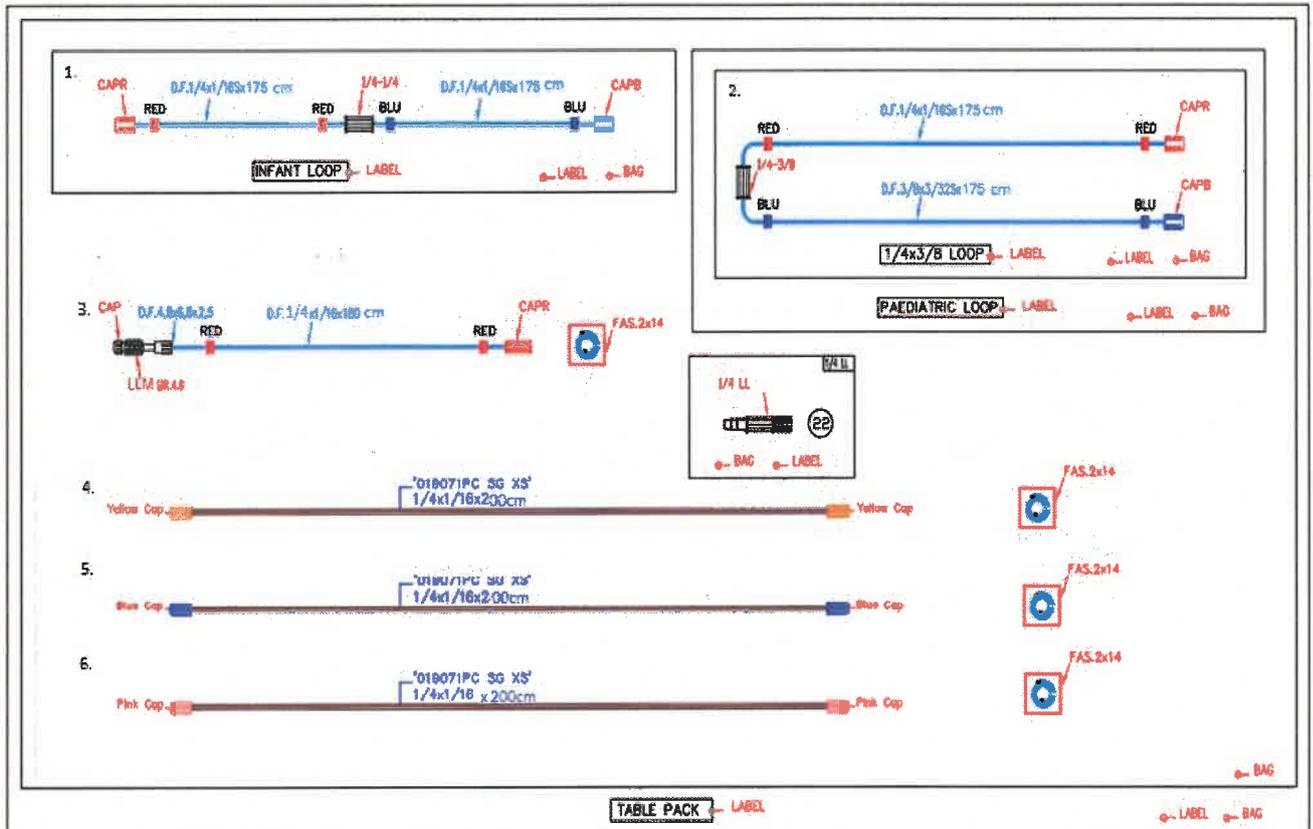
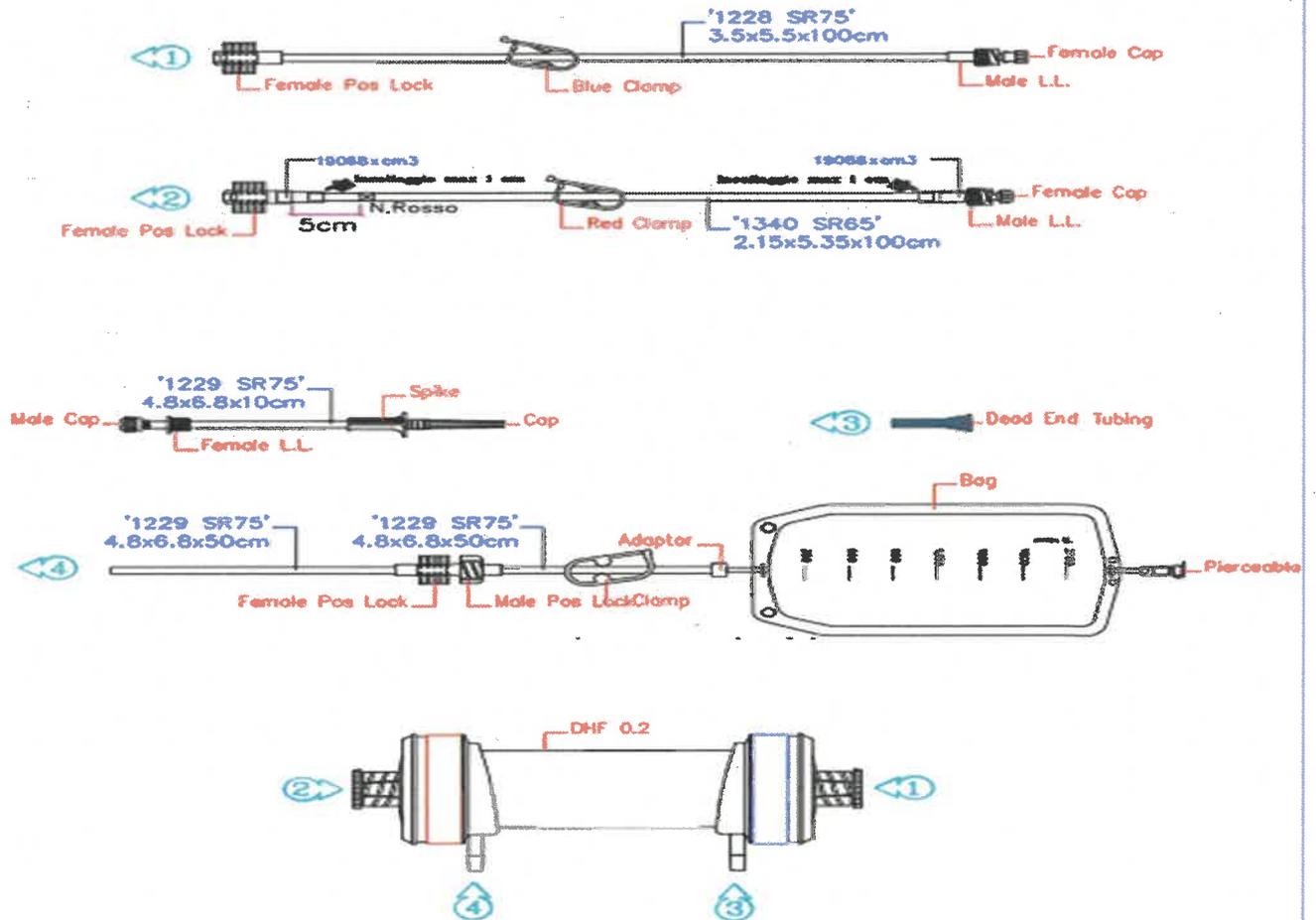


Diagram 8: Paediatric hemoconcentrator pack



Appendix C: RCWMCH Custom Drawings

1. Diagram 1: Customised 4:1 Blood Cardioplegia Pack
2. Diagram 2: Tri Cardioplegia System
3. Diagram 3: Haemocon Pump Lines
4. Diagram 4: Infant tubing pack with arterial filter + hemoconcentrator
5. Diagram 5: Infant tubing pack without arterial filter + hemoconcentrator
6. Diagram 6: Intermediate tubing pack with arterial filter + hemoconcentrator
7. Diagram 7: Intermediate tubing pack without arterial filter + hemoconcentrator
8. Diagram 8: Paediatric tubing pack with arterial filter + hemoconcentrator
9. Diagram 9: Paediatric tubing pack without arterial filter + hemoconcentrator

Diagram 2: Tri Cardioplegia System

Note: entire circuit bio-coated. All tubing to be PVC of 65-70 Shore A, unless stipulated as Silicone – in which case to be of Rehau type (or equivalent) 60 Shore A. Sterile

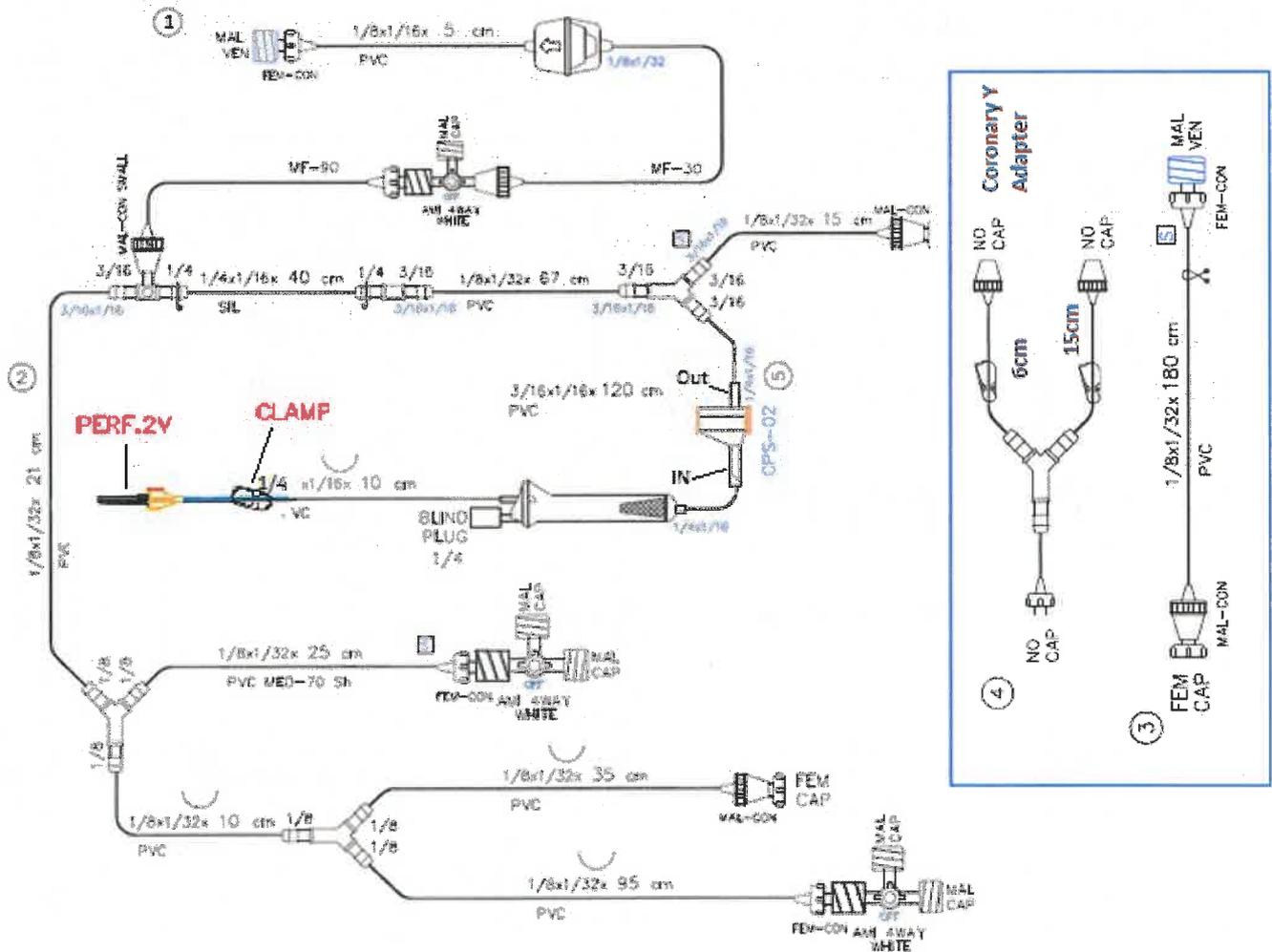
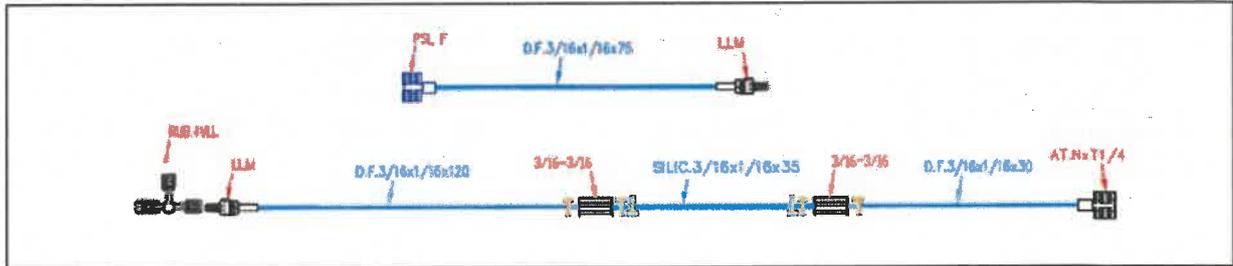


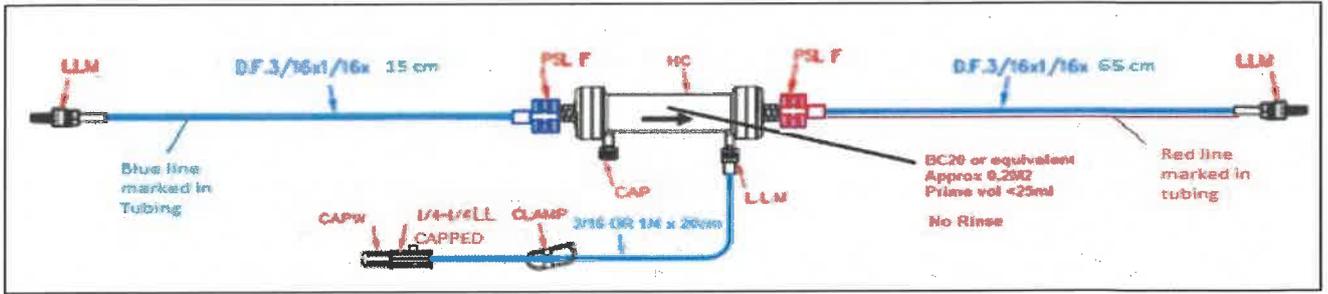
Diagram 3: Haemocon Pump Lines

Note: entire circuit bio-coated. All tubing to be PVC of 65-70 Shore A, unless stipulated as Silicone – in which case to be of Rehau type (or equivalent) 60 Shore A. Sterile.

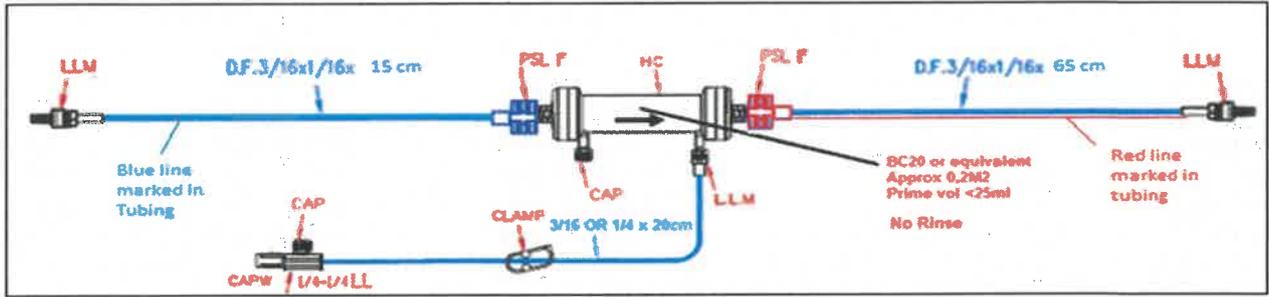
NOTE: lines must have universality to connect to any brand of haemoconcentrator



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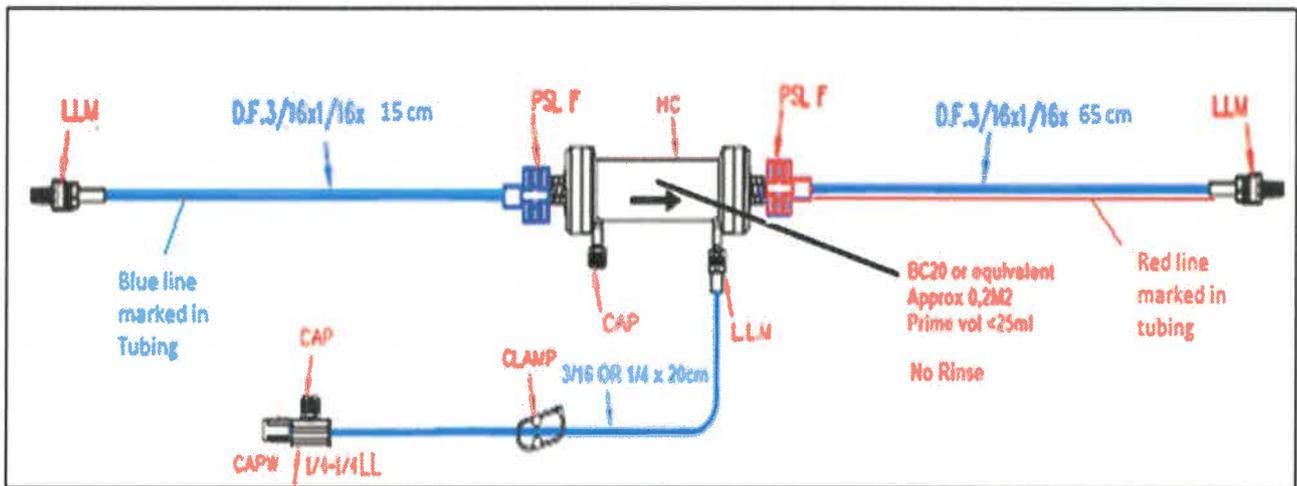
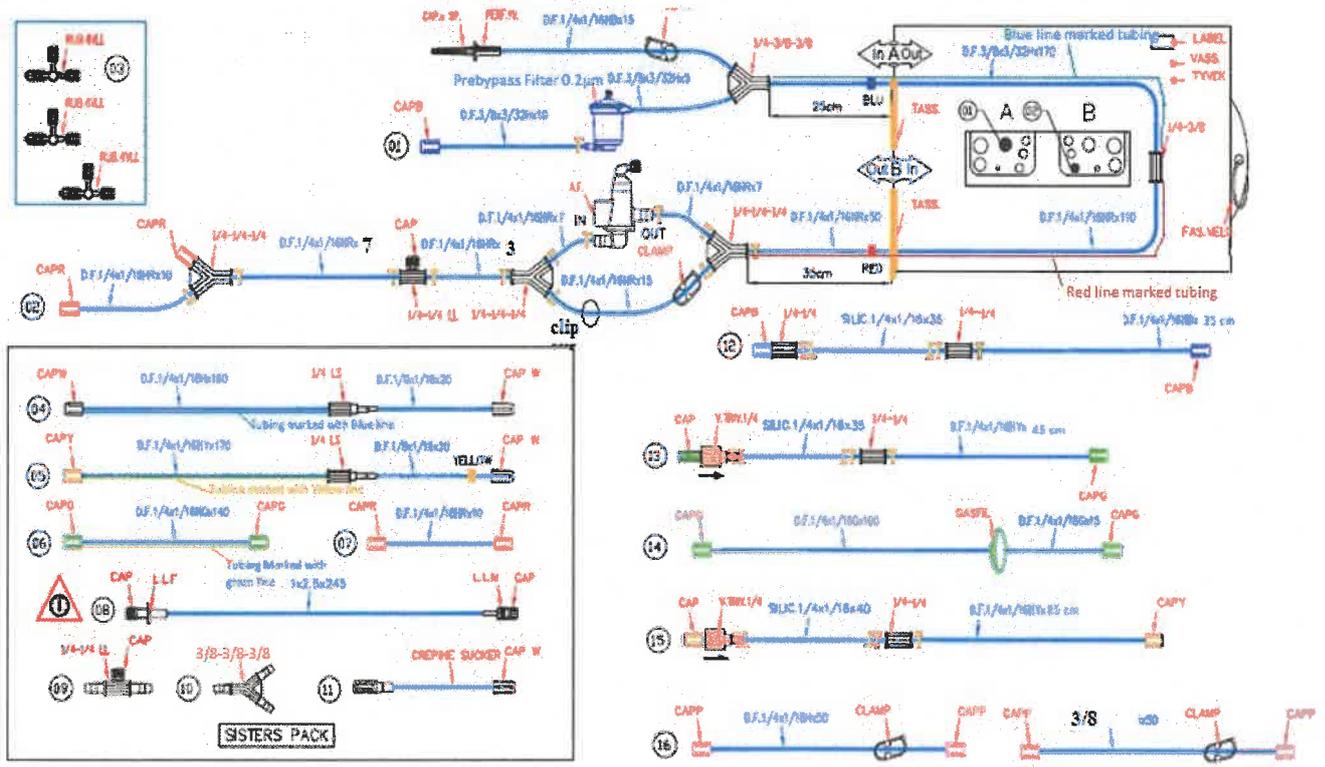
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Diagram 6: Intermediate tubing pack with arterial filter + hemoconcentrator

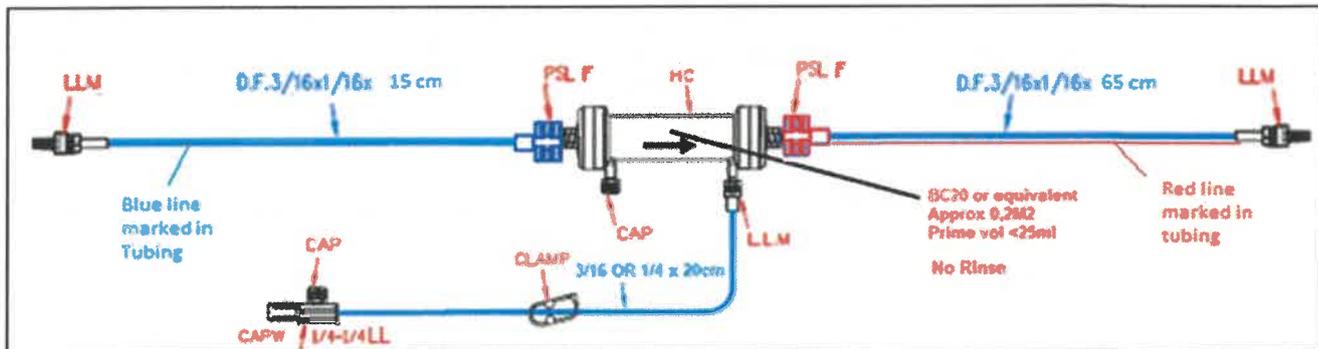
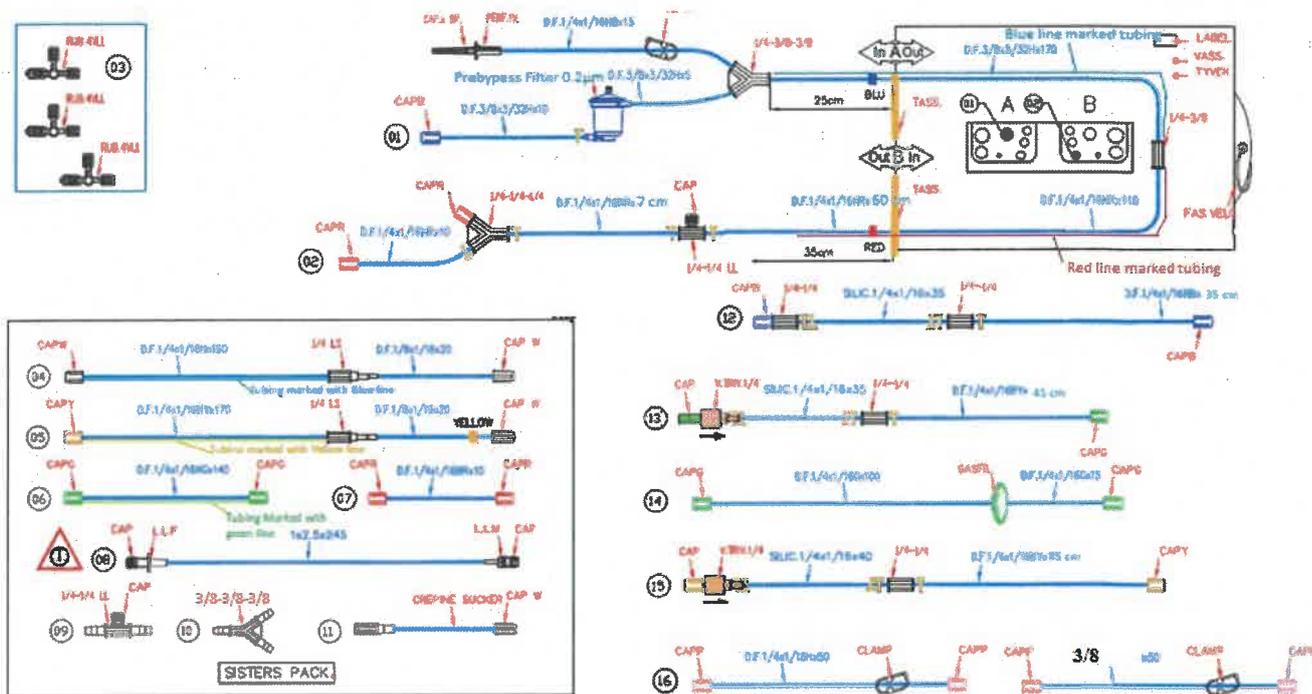
Note: entire circuit bio-coated. All tubing to be PVC of 65-70 Shore A, unless stipulated as Silicone – in which case to be of Rehau type (or equivalent) 60 Shore A. The AV loop is to be PVC Shore 65 A and coiled in such a way that it does not spiral tightly in on itself; a deeper tray is acceptable to facilitate this.



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Diagram 7: Intermediate tubing pack without arterial filter + hemoconcentrator

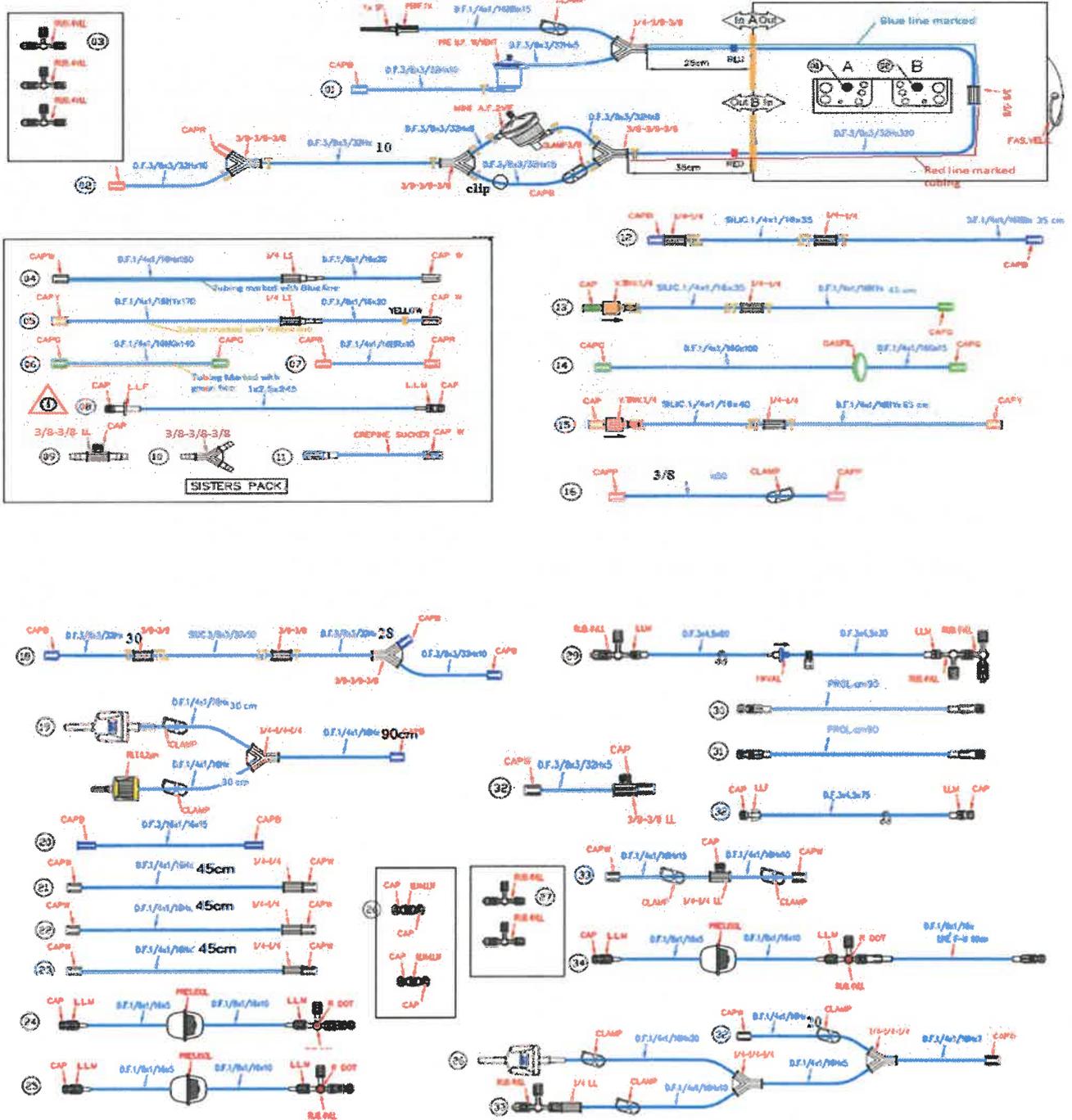
Note: entire circuit bio-coated. All tubing to be PVC of 65-70 Shore A, unless stipulated as Silicone – in which case to be of Rehau type (or equivalent) 60 Shore A. The AV loop is to be PVC Shore 65 A and coiled in such a way that it does not spiral tightly in on itself; a deeper tray is acceptable to facilitate this.



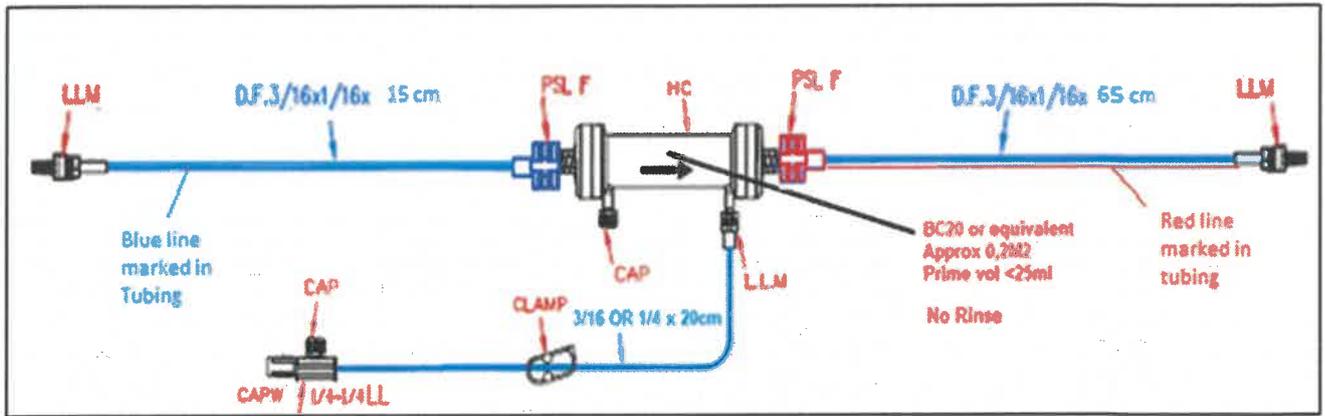
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Diagram 8: Paediatric tubing pack with arterial filter + Haemoconcentrator

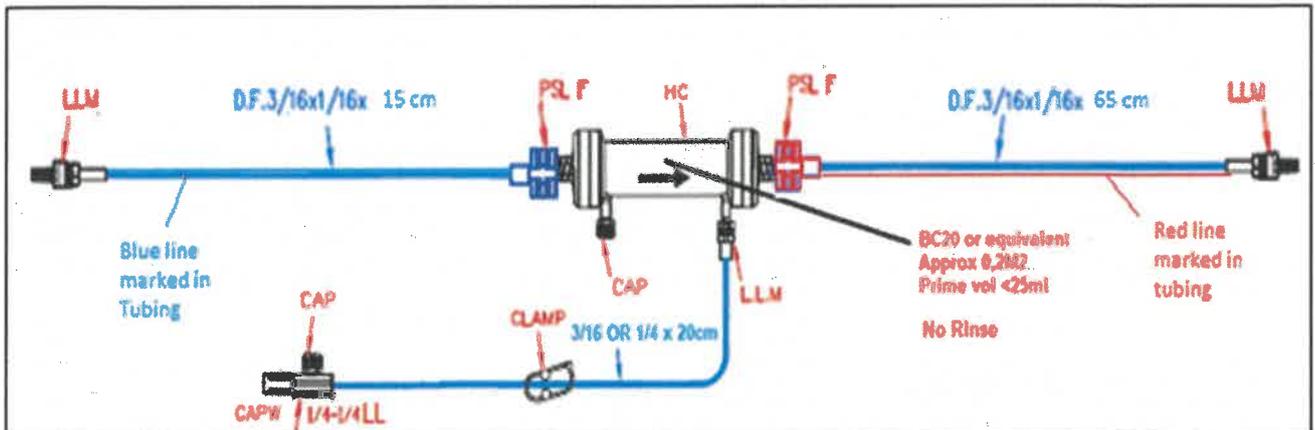
Note: entire circuit bio-coated. All tubing to be PVC of 65-70 Shore A, unless stipulated as Silicone – in which case to be of Rehau type (or equivalent) 60 Shore A. The AV loop is to be PVC Shore 65 A and coiled in such a way that it does not spiral tightly in on itself; a deeper tray is acceptable to facilitate this.



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DEFINITION OF PRICING STRUCTURES

For the purpose of this bid the following explanations are provided:

- 1. **Firm prices**
- 1.1 **Firm prices** are prices which are only subject to **adjustments in accordance with the actual increase or decrease** resulting from the changes, imposition or abolition of customs or excise duty and any other duty, levy, or tax which is binding upon the contractor in terms of a law or regulation and has a demonstrable influence on the prices of any supplies, for the execution of the contract.

The following two pricing structures will also be considered as firm prices:

- 1.2 **Firm prices linked to fixed period adjustments**, i.e two tier prices (firm 1st and firm 2nd year prices), only subject to the variables indicated in the above paragraph.
- 1.3 **Firm prices subject to rate of exchange fluctuations** - claim shall be made within 60 days of delivery. (It is compulsory that the table below be completed for prices subject to rate of exchange variations). The Bill of entry, confirmation of the amount remitted abroad, and supplier invoice must accompany all claims.

Note: Any advantage due to a more profitable exchange rate must be passed on to the Province.

Please furnish full particulars of your financial institution, state the currencies used in the conversion of the prices of the items to South African currency, which portion of the price is subject to rate of exchange variations and the amounts remitted abroad.

PARTICULARS OF FINANCIAL INSTITUTION	ITEM NO	PRICE	CURRENCY	RATE OF EXCHANG	PORTION OF PRICE SUBJECT TO ROE	AMOUNT IN FOREIGN CURRENCY REMITTED ABROAD
				ZAR=		
				ZAR=		
				ZAR=		
				ZAR=		
				ZAR=		
				ZAR=		

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2.2 In cases where prices are subject to the **escalation formula**, the next table **must** be completed.

IN THIS CATEGORY PRICE ESCALATIONS WILL ONLY BE CONSIDERED IN TERMS OF THE FOLLOWING:

$$Pa = (1 - V)Pt \left(D1 \frac{R1t}{R1o} + D2 \frac{R2t}{R2o} + D3 \frac{R3t}{R3o} + \dots Dn \frac{Rnt}{Rno} \right) + VPt$$

Where:

- Pa = The new escalated price to be calculated.
- (1-V) Pt = 85% of the original bid price. **Note that Pt must always be the original bid price and not an escalated price.**
- D1, D2 total = Each factor of the bid price e.g. labour, transport, clothing, footwear, etc. The total of the various factors D1, D2 etc. must add up to 100%.
- R1t, R2t = Index figure obtained from new index (depends on the number of factors used).
- R1o, R2o = Index figure at time of bidding.
- VPt = 15% of the original bid price. This portion of the bid price remains firm i.e. it is not subject to any price escalations.

3. THE FOLLOWING INDEX/INDICES WAS USED TO CALCULATE THE BID PRICE:

Index.....	Dated.....	Index.....	Dated.....
Index.....	Dated.....	Index.....	Dated.....
Index.....	Dated.....	Index.....	Dated.....

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DECLARATION OF INTEREST, BIDDERS' PAST SCM PRACTICES AND INDEPENDENT BID DETERMINATION

This registration form must be completed annually. Should the information herein declared change in the course of the year or before the next renewal or in relation to any bid, quotation or contract, it is the entity's responsibility to advise the institution in writing of the change of such details.

1. To give effect to the requirements of the Western Cape Provincial Treasury Instructions, 2019: Supply Chain Management (Goods and Services), Public Finance Management Act (PFMA) Supply Chain Management (SCM) Instruction No. 3 of 2021/2022 - SBD 4 Declaration of Interest, Section 4 (1)(b)(iii) of the Competition Act No. 89 of 1998 as amended together with its associated regulations, the Prevention and Combating of Corrupt Activities Act No 12 of 2004 and regulations pertaining to the tender defaulters register, Paragraph 16A9 of the National Treasury Regulations and/or any other applicable legislation.
2. Any person (natural or juristic) may make an offer or offers in terms of this invitation to bid. In line with the principles of transparency, accountability, impartiality, and ethics as enshrined in the Constitution of the Republic of South Africa and further expressed in various pieces of legislation, it is required for the bidder to make this declaration in respect of the details required hereunder.
3. All prospective bidders intending to do business with the institution must be registered on the Central Supplier Database (CSD) and the Western Cape Supplier Evidence Bank (WCSEB) if they wish to do business with the Western Cape Government (WCG) via the Electronic Procurement Solution (EPS).
4. The status of enterprises and persons listed on the National Treasury's Register for Tender Defaulters will be housed on the ePS. Institutions may not under any circumstances procure from enterprises and persons listed on the Database of Tender Defaulters.
5. The status of suppliers listed on the National Treasury's Database of Restricted Suppliers will be housed on the ePS; however, it remains incumbent on institutions to check the National Treasury Database of Restricted Suppliers before the conclusion of any procurement process. For suppliers listed as restricted, institutions must apply due diligence and risk assessment before deciding to proceed with procurement from any such supplier.
6. **Definitions**
"Bid" means a bidder's response to an institution's invitation to participate in a procurement process which may include a bid, price quotation or proposal;
"Bid rigging (or collusive bidding)" occurs when businesses, that would otherwise be expected to compete, secretly conspire to raise prices or lower the quality of goods and / or services for purchasers who wish to acquire goods and / or services through a bidding process. Bid rigging is, therefore, an agreement between competitors;

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“Business interest” means -

- (a) a right or entitlement to share in profits, revenue or assets of an entity;
- (b) a real or personal right in property;
- (c) a right to remuneration or any other private gain or benefit;
- (d) or includes any interest contemplated in paragraphs (a), (b) or (c) acquired through an intermediary and any potential interest in terms of any of those paragraphs;

“Consortium or Joint Venture” means an association of persons for the purpose of combining their expertise, property, capital, efforts, skill and knowledge in an activity for the execution of a contract;

“Controlling interest” means, the power, by one person or a group of persons holding the majority of the equity of an enterprise, alternatively, the person/s having the deciding vote or power to influence or to direct the course and decisions of the enterprise;

“Corruption” – General offences of corruption are defined in the Combating of Corrupt Activities Act, 2004 (Act No 12 of 2004) as:

Any person who directly or indirectly-

- (a) Accepts or agrees or offers to accept a gratification from any other person, whether for the benefit of himself or herself or for the benefit of another person; or
- (b) Gives or agrees or offers to give to any person any gratification, whether for the benefit of that other person or for the benefit of another person, in order to act personally or by influencing another person so to act, in a manner-
 - (i) That amounts to the-
 - (aa) illegal, dishonest, unauthorised, incomplete or biased or
 - (bb) misuse or selling or information or material acquired in the course or the exercise, carrying out or performance of any powers, duties or functions arising out of a constitutional, statutory, contractual or any other legal obligation;
 - (ii) That amounts to-
 - (aa) the abuse of a position of authority;
 - (bb) a breach of trust; or
 - (cc) the violation of a legal duty or a set of rules;
 - (iii) Designed to achieve an unjustified result or;
 - (iv) That amounts to any other unauthorised or improper inducement to do or not to do anything, is guilty of the offence of corruption

“CSD” means the Central Supplier Database maintained by National Treasury;

"Employee", in relation to –

- (a) a department, means a person contemplated in section 8 of the Public Service Act, but excludes a person appointed in terms of section 12A of the Act; and
- (b) a public entity, means a person employed by the public entity;

"Entity" means any –

- (a) association of persons, whether or not incorporated or registered in terms of any law, including a company, corporation, trust, partnership, close corporation, joint venture or consortium; or
- (b) sole proprietorship;

"Entity conducting business with the Institution" means an entity that contracts or applies or tenders for the sale, lease or supply of goods or services to the Province;

"Family member" means a person's -

- (a) spouse; or
- (b) child, parent, brother or sister, whether such a relationship results from birth, marriage or adoption or some other legal arrangement (as the case may be);

"Intermediary" means a person through whom an interest is acquired, and includes a representative or agent or any other person who has been granted authority to act on behalf of another person;

"Institution" means -

a provincial department or provincial public entity listed in Schedule 3C of the Act;

"Provincial Government Western Cape (PGWC)" means -

- (a) the Institution of the Western Cape, and
- (b) a provincial public entity;

"RWOEE" means -

Remunerative Work Outside the Employee's Employment;

"Spouse" means a person's -

- (a) partner in marriage or civil union according to legislation;
- (b) partner in a customary union according to indigenous law; or
- (c) partner with whom he or she cohabits and who is publicly acknowledged by the person as his or her life partner, or permanent companion.

4. Regulation 13 (c) of the Public Service Regulations (PSR) 2016, effective 1 February 2017, prohibits any employee from conducting business with an organ of state, or holding a directorship in a public or

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private company doing business with an organ of state unless the employee is a director (in an official capacity) of a company listed in schedules 2 and 3 of the Public Finance Management Act.

(a) Therefore, by 31 January 2017 all employees who are conducting business with an organ of state should either have:

- (i) resigned as an employee of the government institution or;
- (ii) cease conducting business with an organ of state or;
- (iii) resign as a director/shareholder/owner/member of an entity that conducts business with an organ of state.

5. Any legal person, or their family members, may make an offer or offers in terms of this invitation to bid. In view of potential conflict of interest, in the event that the resulting bid, or part thereof, be awarded to family members or persons employed by an organ of state, it is required that the bidder or his/her authorised representative declare his/her position in relation to the evaluating/adjudicating authority where the bidder is employed by the Institution.
6. The bid of any bidder may be disregarded if that bidder or any of its directors have abused the institution's supply chain management system; committed fraud or any other improper conduct in relation to such system; or failed to perform on any previous contract.
7. Section 4 (1) (b) (iii) of the Competitions Act No. 89 of 1998, as amended, prohibits an agreement between, or concerted practice by firms, or a decision by an association of firms, if it is between parties in a horizontal relationship and if it involves collusive bidding (or bid rigging). Collusive bidding is a prohibition *per se*, meaning that it cannot be justified on any grounds.
8. Treasury Regulation 16A9 prescribes that accounting officers and accounting authorities must take all reasonable steps to prevent abuse of the supply chain management system and authorizes accounting officers and accounting authorities to:
 - (a) disregard the bid of any bidder if that bidder, or any of its directors have abuse the institution's supply chain management system and or committed fraud or any other improper conduct in relation to such system.
 - (b) cancel a contract awarded to a supplier of goods and services if the supplier committed any corrupt or fraudulent act during the bidding process or the execution of that contract.
9. Communication between partners in a joint venture or consortium will not be construed as collusive bidding.

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10. In addition and without prejudice to any other remedy provided to combat any restrictive practices related to bids and contracts, bids that are suspicious will be reported to the Competition Commission for investigation and possible imposition of administrative penalties in terms of section 59 of the Competitions Act, No 89 of 1998 and/or may be reported to the National Prosecuting Authority (NPA) for criminal investigation and/or may be restricted from conducting business with the public sector for a period not exceeding ten (10) years in terms of the Prevention and Combating of Corrupt Activities Act, No 12 of 2004 or any other applicable legislation.

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SECTION A: DETAILS OF THE ENTITY		
A1.	CSD Registration Number	MAAA
A2.	Name of the Entity	
A3.	Entity registration number (where applicable)	
A4.	Entity Type	
A5.	Tax Reference Number	

Full details of directors, shareholder, member, partner, trustee, sole proprietor or any persons with a right or entitlement to share in profits, revenue or assets of an entity, must be disclosed in the Table A below.

TABLE A

FULL NAME	DESIGNATION Where a director is a shareholder, both should be confirmed	IDENTITY NO	PERSONAL TAX REF NO	% INTEREST IN ENTITY

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SECTION B: DECLARATION OF THE BIDDER'S INTEREST

The Supply Chain Management system of an institution must, irrespective of the procurement process followed, prohibit any award to an employee of state, who either individually or as a director of a public or private company or a member of a close corporation, seek to conduct business with the WCG, unless such employee is in an official capacity as director or a company listed in Schedule 2 or 3 of the PFMA as prescribed by the Public Service Regulation 13(c).

Furthermore, an employee employed by an organ of state conducting remunerative work outside public enterprise should first obtain necessary approval (RWOEE), failure to submit proof of such authority, where applicable, may result in the disciplinary action.

<p>B1.</p>	<p>Are any persons listed in Table A identified on the CSD as employees of an organ of state? (If yes, refer to Public Service Circular EIM 1/2016 to exercise the listed actions)</p>	<p>NO</p>	<p>YES</p>
<p>B2.</p>	<p>Are any employees of the entity also employees of an organ of state? (If yes, complete Table B and attached their approved "RWOEE")</p>	<p>NO</p>	<p>YES</p>
<p>B3.</p>	<p>Are any family members of the persons listed in Table A employees of an organ of state? (If yes, complete Table B)</p>	<p>NO</p>	<p>YES</p>

Details of persons (family members) connected to or employees of an organ of state should be disclosed in Table B below.

TABLE B

<p>FULL NAME OF INSTITUTION EMPLOYEE</p>	<p>IDENTITY NO</p>	<p>DEPARTMENT / ENTITY OF EMPLOYMENT</p>	<p>DESIGNATION /RELATIONSHIP TO BIDDER</p>	<p>INSTITUTION EMPLOYEE NO/PERSAL NO (Indicate if not known)</p>

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SECTION C: PERFORMANCE MANAGEMENT AND BIDDER'S PAST SUPPLY CHAIN MANAGEMENT PRACTICES

To enable the prospective bidder to provide evidence of past and current performance with the Institution.

C1.	Did the entity conduct business with the Institution in the last twelve months? <i>(If yes, complete Table C)</i>	NO	YES
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TABLE C

Complete the table below to the maximum of the last 5 contracts.

NAME OF CONTRACTOR	PROVINCIAL DEPT/ PROVINCIAL ENTITY	TYPE OF SERVICES OR COMMODITY	CONTRACT/ ORDER NO	PERIOD OF CONTRACT	VALUE OF CONTRACT

C3.	Is the entity or its principals listed on the National Database as companies or persons prohibited from doing business with the public sector?	NO	YES
C4.	Is the entity or its principals listed on the National Treasury Register for Tender Defaulters in terms of section 29 of the Prevention and Combating of Corrupt Activities Act, (No. 12 of 2004)? <i>To access this Register, enter the National Treasury's website, www.treasury.gov.za, click on the icon "Register for Tender Defaulters" or</i>	NO	YES

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	submit your written request for a hard copy of the Register to facsimile number (012) 3265445.		
C5.	If you replied yes to C3 or C4, were you informed in writing about the listing on the database of restricted suppliers or Register for Tender Defaulters by National Treasury?	N/A	NO YES
C6.	Was the entity or persons listed in Table A convicted for fraud or corruption during the past five years in a court of law, including a court outside the Republic of South Africa?	NO	YES
C7	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?	NO	YES

SECTION D: DULY AUTHORISED REPRESENTATIVE TO DEPOSE TO AFFIDAVIT

The form should be signed by a duly authorised representative of the entity before a commissioner of oaths.

I, _____ hereby swear/affirm;

- i that the information disclosed above is true and accurate;
- ii that I have read and understand the content of the document;
- iii. that I have arrived at the accompanying bid independently from, and without consultation, communication, agreement or arrangement with any competitor.
- iii that the entity undertakes to independently arrive at any offer at any time to the Institution without any consultation, communication, agreement or arrangement with any competitor. In addition, that there will be no consultations, communications, agreements or arrangements with any competitor regarding the quality, quantity, specifications, prices, including methods, factors or formulas used to calculate prices, market allocation, the intention or decision to submit or not to submit the bid, bidding with the intention not to win the bid and conditions or delivery particulars of the products or services to which this bid invitation relates;
- iv that the entity or its representative is aware of and undertakes not to disclose the terms of any bid, formal or informal, directly or indirectly, to any competitor, prior to the date and time of the official bid opening or of the awarding of the contract; and
- v. that there have been no consultations, communications, agreements or arrangements made with any official of the procuring institution in relation to this procurement process prior to and during the bidding process except to provide clarification on the bid submitted where so

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required by the institution; and that my entity was not involved in the drafting of the specifications or terms of reference for this bid.

DULY AUTHORISED REPRESENTATIVE'S SIGNATURE

1. I certify that before administering the oath/affirmation, I asked the deponent the following questions and wrote down his/her answers in his/her presence:

1.1 Do you know and understand the contents of the declaration? **ANSWER:** _____

1.2 Do you have any objection to taking the prescribed oath? **ANSWER:** _____

1.3 Do you consider the prescribed oath to be binding on your conscience?
ANSWER: _____

1.4 Do you want to make an affirmation? **ANSWER:** _____

2. I certify that the deponent has acknowledged that he/she knows and understands the contents of this declaration, which was sworn to/affirmed before me and the deponent's signature/thumbprint/mark was place thereon in my presence.

Commissioner of Oaths:

Full Name and Surname: _____

Signature of commissioner of Oaths

Designation (rank) _____ ex officio: Republic of South Africa

Date: _____

Place: _____

Business Address: _____

This document must be signed and submitted together with your bid

THE NATIONAL INDUSTRIAL PARTICIPATION PROGRAMME

INTRODUCTION

The National Industrial Participation (NIP) Programme, which is applicable to all government procurement contracts that have an imported content, became effective on 1 September 1996. The NIP policy and guidelines were fully endorsed by Cabinet on 30 April 1997. In terms of the Cabinet decision, all state and parastatal purchases / lease contracts (for goods, works and services) entered into after this date, are subject to the NIP requirements. NIP is obligatory and therefore must be complied with. The Industrial Participation Secretariat (IPS) of the Department of Trade, Industry and Competition (DTIC) is charged with the responsibility of administering the programme.

1. PILLARS OF THE PROGRAMME

- 1.1 The NIP obligation is benchmarked on the imported content of the contract. Any contract having an imported content equal to or exceeding US \$10 million will have an NIP obligation. This threshold of US \$10 million can be reached as follows:
- (i) Any single contract with imported content exceeding US \$10 million;
or
 - (ii) Multiple contracts for the same goods, works or services each with imported content exceeding US \$3 million awarded to one seller over a 2-year period which in total exceeds US \$10 million;
or
 - (iii) A contract with a renewable clause, where should the option be exercised the total value of the imported content will exceed US \$10 million.
or
 - (iv) Multiple suppliers of the same goods, works or services under the same contract, where the value of the imported content of each allocation is equal to or exceeds US \$3 million worth of goods, works or services to the same government institution, which in total over a two (2) year period exceeds US \$10 million.
- 1.2 The NIP obligation applicable to suppliers in respect of sub-paragraphs 1.1 (a) to 1.1 (c) above will amount to 30% of the imported content whilst suppliers in respect of paragraph 1.1 (d) shall incur 30% of the total NIP obligation on a *pro-rata* basis.

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1.3 To satisfy the NIP obligation, the DTIC would negotiate and conclude agreements such as investments, joint ventures, sub-contracting, licensee production, export promotion, sourcing arrangements and research and development (R & D) with partners or suppliers.

1.4 A period of seven years has been identified as the time frame in which to discharge the obligation.

2. REQUIREMENTS OF THE DEPARTMENT OF TRADE, INDUSTRY AND COMPETITION

2.1 In order to ensure effective implementation of the programme, successful bidders (contractors) are required to, immediately after the award of a contract that is in excess of **R10 million** (ten million Rands), submit details of such a contract to the DTIC for reporting purposes.

2.2 The purpose for reporting details of contracts in excess of the amount of R10 million (ten million Rands) is to cater for multiple contracts of the same goods, works or services; renewable contracts and multiple suppliers for the same goods, works or services under the same contract as provided for in paragraphs 1.1. (b) to 1.1. (d) above.

2.3 For bids above R10 million, accounting officer's authorities are required to obtain clearance from the Department of Trade and Industry regarding the National Industrial participation Programme prior to the award of any bid in excess of R10 million (ten million rands).

3. BID SUBMISSION AND CONTRACT REPORTING REQUIREMENTS OF BIDDERS AND SUCCESSFUL BIDDERS (CONTRACTORS)

3.1 Bidders are required to sign and submit this Standard Bidding Document (SBD5) together with the bid on the closing date and time.

3.2 In order to accommodate multiple contracts for the same goods, works or services; renewable contracts and multiple suppliers for the same goods, works or services under the same contracts as indicated in sub-paragraphs 1.1 (b) to 1.1 (d) above and to enable the DTIC in determining the NIP obligation, successful bidders (contractors) are required, immediately after being officially notified about any successful bid with a value in excess of R10 million (ten million Rands), to contact and furnish the DTIC with the following information:

- Bid / contract number
- Description of the goods, works or services.
- Date on which the contract was accepted.
- Name, address and contact details of the government institution.
- Value of the contract.
- Imported content.
- Imported content of the contract, if possible

3.3 The information required in paragraph 3.2 above must be sent to the Department of Trade, Industry and Competition, Private Bag X 84, Pretoria, 0001 for the attention of Mr Elias Malapane within five

(5) working days after award of the contract. Mr Malapane may be contacted on telephone (012) 394 1401. Facsimile (012) 394 2401 or e-mail at Elias@thedti.gov.za for further details about the programme.

4. PROCESS TO SATISFY THE NIP OBLIGATION

4.1 Once the successful bidder (contractor) has made contact with and furnished the DTIC with the information required, the following steps will be followed:

- (a) The contractor and the DTIC will determine the NIP obligation;
- (b) The contractor and the DTIC will sign the NIP obligation agreement;
- (c) The contractor will submit a performance guarantee to the DTIC;
- (d) The contractor will submit a business concept for consideration and approval by the DTIC;
- (e) Upon approval of the business concept by the DTIC, the contractor will submit detailed business plans outlining the business concepts;
- (f) The contractor will implement the business plans; and
- (g) The contractor will submit bi-annual progress reports on approved plans to the DTIC.

4.2 The NIP obligation agreement is between the DTIC and the successful bidder (contractor) and, therefore, does not involve the purchasing institution.

Bid Number	Closing Date
Name of bidder	
Postal address	
.....	
Signature	Name (in print)
Date	

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PREFERENCE POINTS CLAIM FORM IN TERMS OF THE PREFERENTIAL PROCUREMENT REGULATIONS 2022 AND IN TERMS OF THE WESTERN CAPE GOVERNMENTS INTERIM STRATEGY AS IT RELATES TO PREFERENCE POINTS

This preference form must form part of all bids 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 (TENDERERS) MUST STUDY THE GENERAL CONDITIONS, DEFINITIONS AND DIRECTIVES APPLICABLE IN RESPECT OF THE TENDER, PREFERENTIAL PROCUREMENT REGULATIONS, 2022 AND THE BROAD BASED BLACK ECONOMIC EMPOWERMENT ACT AND THE CODES OF GOOD PRACTICE

1. DEFINITIONS

- 1.1 **"acceptable tender"** means any tender which, in all respects, complies with the specifications and conditions of tender as set out in the tender document.
- 1.2 **"affidavit"** is a type of verified statement or showing, or in other words, it contains a verification, meaning it is under oath or penalty of perjury, and this serves as evidence to its veracity and is required for court proceedings.
- 1.3 **"all applicable taxes"** includes value-added tax, pay as you earn, income tax, unemployment insurance fund contributions and skills development levies;
- 1.4 **"B-BBEE"** means broad-based black economic empowerment as defined in section 1 of the Broad-Based Black Economic Empowerment Act;
- 1.5 **"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;
- 1.6 **"bid"** means a written offer on the official bid documents or invitation of price quotations and "tender" is the act of bidding /tendering;
- 1.7 **"Code of Good Practice"** means the generic codes or the sector codes as the case may be;
- 1.8 **"consortium or joint venture"** means an association of persons for the purpose of combining their expertise, property, capital, efforts, skill and knowledge in an activity for the execution of a contract
- 1.9 **"contract"** means the agreement that results from the acceptance of a bid by an organ of state;
- 1.10 **"EME"** is an Exempted Micro Enterprise with an annual total revenue of R10 million or less.

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- 1.11 **"Firm price"** means the price that is only subject to adjustments in accordance with the actual increase or decrease resulting from the change, imposition, or abolition of customs or excise duty and any other duty, levy, or tax, which, in terms of the law or regulation, is binding on the contractor and demonstrably has an influence on the price of any supplies, or the rendering costs of any service, for the execution of the contract;
- 1.12 **"Large Enterprise"** is any enterprise with an annual total revenue above R50 million;
- 1.13 **"non-firm prices"** means all prices other than "firm" prices;
- 1.14 **"person"** includes a juristic person;
- 1.15 **"price" means an amount of money tendered for goods or services, and** includes all applicable taxes less all unconditional discounts;
- 1.16 **"proof of B-BBEE status level contributor"** means-
- (a) The B-BBEE status level certificate issued by an authorized body or person;
 - (b) An affidavit as prescribed in terms of the B-BBEE Codes of Good Practice; or
 - (c) Any other requirement prescribed in terms of the Broad- Based Black Economic Empowerment Act.
- 1.17 **QSE** is a Qualifying Small Enterprise with an annual total revenue between R10 million and R50 million;
- 1.18 **"rand value"** means the total estimated value of a contract in Rand, calculated at the time of bid invitation, and includes all applicable taxes;
- 1.19 **"sub-contract"** means the primary contractor's assigning, leasing, making out work to, or employing, another person to support such primary contractor in the execution of part of a project in terms of the contract.
- 1.20 **"tender"** means a written offer in the form determined by an organ of state in response to an invitation to provide or services through price quotations, competitive tendering process or any other method envisaged in legislation;
- 1.21 **"tender for income-generating contracts"** means a written offer in the form determined by an organ of state in response to an invitation for the origination of income-generating contracts through any method envisaged in legislation that will result in a legal agreement between the organ of state and a third party that produces revenue for the organ of state, and includes, but is not limited to, leasing and disposal of assets and concession contracts, excluding direct sales and disposal of assets through public auctions;
- 1.22 **"the Act"** means the Preferential Procurement Policy Framework Act, 2000 (Act No. 5 of 2000);
- 1.23 **"the Regulations"** means the Preferential Procurement Regulations, 2022;

- 1.24 “**total revenue**” bears the same meaning assigned to this expression in the Codes of Good Practice on Black Economic Empowerment, issued in terms of section 9(1) of the Broad-Based Black Economic Empowerment Act and promulgated in the *Government Gazette on 11 October 2013*;
- 1.25 “**trust**” means the arrangement through which the property of one person is made over or bequeathed to a trustee to administer such property for the benefit of another person; and
- 1.26 “**trustee**” means any person, including the founder of a trust, to whom property is bequeathed in order for such property to be administered for the benefit of another person.

2. GENERAL CONDITIONS

- 2.1 The following preference point systems are applicable to all bids:
- the 80/20 system for requirements with a Rand value of up to R50 000 000 (all applicable taxes included); and
 - the 90/10 system for requirements with a Rand value above R50 000 000 (all applicable taxes included);
- 2.2 Preference point system for this bid:
- (a) The value of this bid is estimated to **not exceed** R50 000 000 (all applicable taxes included) and therefore the **80/20** preference point system shall be applicable.
- 2.3 Preference points for this bid (even in the case of a tender for income-generating contracts) shall be awarded for:
- (a) Price; and
- (b) B-BBEE Status Level of contribution.
- 2.4 The maximum points for this bid are allocated as follows:

	Points	Points
Price	80	90
B-BBEE STATUS LEVEL OF CONTRIBUTOR	20	10
Total points for Price and B-BBEE must not exceed	100	100

- 2.5 Failure on the part of a bidder to fill in, sign this form and submit in the circumstances prescribed in the Codes of Good Practice either a B-BBEE Verification Certificate issued by a Verification Agency accredited by the South African Accreditation System (SANAS) or an affidavit confirming annual total revenue and level of black ownership together with the bid or an affidavit issued by Companies Intellectual Property Commission, will be interpreted to mean that preference points for B-BBEE status level of contribution are not claimed.

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2.6 The organ of state reserves the right to require of a bidder, either before a bid is adjudicated or at any time subsequently, to substantiate any claim in regard to preferences, in any manner required by the Organ of State

3. ADJUDICATION USING A POINT SYSTEM

3.1 Subject to Section 2 (1) (f) of the Preferential Procurement Policy Framework Act, 2000, the **bidder obtaining the highest number of total points** will be awarded the contract.

3.2 A tenderer must submit proof of its B-BBEE status level of contributor in order to claim points for B-BBEE.

3.3 A tenderer failing to submit proof of B-BBEE status level of contributor or is a non-compliant contributor to B-BBEE will not be disqualified but will only score:

(a) points out of 80 for price; and

(b) 0 points out of 20 for B-BBEE

3.4 Points scored must be rounded off to the nearest 2 decimal places.

3.5 In the event that two or more bids have scored equal total points, the successful bid must be the one scoring the highest number of preference points for B-BBEE.

3.6 As per section 2 (1) (f) of the Preferential Procurement Policy Framework Act, 2000, the contract may be awarded to a bidder other than the one scoring the highest number of total points based on objective criteria in addition to those contemplated in paragraph (d) and (e) of the Act that justifies the award to another tenderer provided that it has been stipulated upfront in the tendering conditions.

3.7 Should two or more bids be equal in all respects; the award shall be decided by the drawing of lots.

4. FORMULAE FOR PROCUREMENT OF GOODS AND SERVICES

4.1 POINTS AWARDED FOR PRICE

4.1.1 THE 80/20 OR 90/10 PREFERENCE POINT SYSTEM

A maximum of 80 or 90 points is allocated for price on the following basis:

80/20	or	90/10
$P_s = 80\left\{1 - \frac{P_t - P_{min}}{P_{min}}\right\}$	or	$P_s = 90\left\{1 - \frac{P_t - P_{min}}{P_{min}}\right\}$

Where

P_s = Points scored for price of bid under consideration

P_t = Price of tender under consideration

P_{min} = Price of lowest acceptable tender

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5. FORMULAE FOR DISPOSAL OR LEASING OF STATE ASSETS AND INCOME GENERATING PROCUREMENT 5.1 POINTS AWARDED FOR PRICE

5.1 A maximum of 80 or 90 points is allocated for price on the following basis:

maximum of 80 or 90 points is allocated for price on the following basis:

$$\begin{array}{ccc}
 \mathbf{80/20} & \text{or} & \mathbf{90/10} \\
 P_s = 80\left\{1 + \frac{P_t - P_{max}}{P_{max}}\right\} & \text{or} & P_s = 90\left\{1 + \frac{P_t - P_{max}}{P_{max}}\right\}
 \end{array}$$

Where

P_s = Points scored for price of bid under consideration

P_t = Price of tender under consideration

P_{max} = Price of highest acceptable tender

6. POINTS AWARDED FOR B-BBEE STATUS LEVEL OF CONTRIBUTION

6.1 In terms of WCG interim strategy, 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 (90/10 system)	Number of Points (80/20 system)
1	10	20
2	9	18
3	6	14
4	5	12
5	4	8
6	3	6
7	2	4
8	1	2
Non-compliant contributor	0	0

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- 6.2 An **EME** must submit a valid, originally certified affidavit confirming annual turnover and level of black ownership or an affidavit issued by Companies Intellectual Property Commission
- 6.3 A **QSE that is less than 51% (50% or less) black owned** must be verified in terms of the QSE scorecard issued via Government Gazette and submit a valid, original or a legible certified copy of a B-BBEE Verification Certificate issued by SANAS.
- 6.4 A **QSE that is at least 51% black owned (51% or higher)** must submit a valid, originally certified affidavit confirming turnover and level of black ownership as well as declare its empowering status or an affidavit issued by Companies Intellectual Property Commission.
- 6.5 A **large enterprise** must submit a valid, original or originally certified copy of a B-BBEE Verification Certificate issued by a verification agency accredited by SANAS.
- 6.6 A trust, consortium or joint venture, will qualify for points for their B-BBEE status level as a legal entity, provided that the entity submits their B-BBEE status level certificate.
- 6.7 A trust, consortium or joint venture (including unincorporated consortia and joint ventures) must submit a consolidated B-BBEE status level verification certificate for every separate tender.
- 6.8 Tertiary institutions and public entities will be required to submit their B-BBEE status level certificates in terms of the specialized scorecard contained in the B-BBEE Codes of Good Practice.

7. BID DECLARATION

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

B-BBEE STATUS LEVEL OF CONTRIBUTION CLAIMED IN TERMS OF PARAGRAPH 6

B-BBEE Status Level of Contribution..... = *(maximum of 20 points)*

(Points claimed in respect of paragraph 7.1 must be in accordance with the table reflected in paragraph 6.1 and must be substantiated by means of a B-BBEE certificate issued by a Verification Agency accredited by SANAS or an affidavit confirming annual total revenue and level of black ownership in terms of the relevant sector code applicable to the tender.

8. SUB-CONTRACTING

8.1 Will any portion of the contract be sub-contracted? YES / NO *(delete which is not applicable)*

8.1.1 If yes, indicate:

(i) what percentage of the contract will be subcontracted?%

(ii) the name of the sub-contractor?

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- (iii) the B-BBEE status level of the sub-contractor?
- (iv) whether the sub-contractor is an EME or QSE? **YES / NO** (delete which is not applicable)

8.1.2 Sub-contracting relates to a **particular** contract and if sub-contracting is applicable, the bidder to state in their response to a particular RFQ that a portion of that contract will be sub-contracted.

9. DECLARATION WITH REGARD TO COMPANY/FIRM

- 9.1 Name of company/ entity:
- 9.2 VAT registration number:
- 9.3 Company Registration number:

9.4 TYPE OF COMPANY/ FIRM

- Partnership/ Joint Venture/ Consortium
- One-person business/ sole propriety
- Close corporation
- Public Company
- Personal Liability Company
- (Pty) Limited
- Non-Profit Company
- State Owned Company

[SELECT APPLICABLE ONE]

9.5 *I/we, the undersigned, who is / are duly authorised to do so on behalf of the company/firm, certify that the points claimed, based on the B-BBEE status level of contribution indicated in paragraph 7 above, qualifies the company/ firm for the preference(s) shown and I / we acknowledge that:*

- (a) *The Western Cape Government reserves the right to audit the B-BBEE status claim submitted by the bidder.*
- (b) *As set out in Section 130 of the B-BBEE Act as amended, any misrepresentation constitutes a criminal offence. A person commits an offence if that person knowingly:*
 - (i) *misrepresents or attempts to misrepresent the B-BBEE status of an enterprise;*
 - (ii) *provides false information or misrepresents information to a B-BBEE Verification Professional in order to secure a particular B-BBEE status or any benefit associated with compliance to the B-BBEE Act;*

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SIGNATURE(S) OF THE BIDDER(S):

DATE:

ADDRESS:
.....
.....
.....

WITNESSES:

1.

2.

SWORN AFFIDAVIT – B-BBEE QUALIFYING SMALL ENTERPRISE

I, the undersigned,

Full name & Surname	
Identity number	

I hereby declare under oath as follows:

- The contents of this statement are to the best of my knowledge a true reflection of the facts.
- I am a member / director / owner of the following enterprise and am duly authorised to act on its behalf:

Enterprise Name	
Trading Name	
Registration Number	
Enterprise Address	

3. I hereby declare under oath that:

- The enterprise is _____% black owned;
- The enterprise is _____% black woman owned;
- Based on the management accounts and other information available on the _____ financial year, the income did not exceed R50,000,000.00 (fifty million rands);
- The entity is an Empowering Supplier in terms of Clause 3.3 (a) or (b) or (c) or (d) or as amended 3.3 (e) (**select one**) _____ of the **DTIC** Codes of Good Practice.
- Please confirm on the table below the B-BBEE level contributor, **by ticking the applicable box.**

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100% black owned	Level One (135% B-BBEE procurement recognition)	
More than 51% black owned	Level Two (125% B-BBEE procurement recognition)	
(a) At least 25% of cost of sales, (excluding labour costs and depreciation) must be procurement from local producers or suppliers in South Africa; for the services industry include labour costs but capped at 15%,	(b) Job Creation – 50% of jobs created are for black people, provided that the number of black employees in the immediate prior verified B-BBEE measurement is maintained	
(c) At least 25% transformation of raw material / beneficiation which include local manufacturing, production and /or assembly, and/ or packaging	(d) At least 12 days per annum of productivity deployed in assisting QSE and EME beneficiaries to increase their operation or financial capacity	
(e) At least 85% of labour costs should be paid to South African employees by service industry entities.		

4. I know and understand the contents of this affidavit and I have no objection to take the prescribed oath and consider the oath binding on my conscience and on the owners of the enterprise which I represent in this matter.
5. The sworn affidavit will be valid for a period of 12 months from the date signed by commissioner.

Deponent Signature: _____

Date: _____

Commissioner of Oaths

Signature & stamp

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CHECKLIST FOR BID

The presence of incomplete and/or unsigned and/or absent documents from bid offers have become an unfortunate tendency since the inception of new bid forms in January 2004.

It has become increasingly noticeable that bidders are unaware of the importance of the various bid documents. The finalisations of bids are significantly delayed by the Department's resultant efforts to obtain the information/signatures/absent documents.

The purpose of this checklist is to:

- highlight all critical documents that constitute a complete bid and provide some general instructions for their completion,
- provide bidders with a final opportunity to ensure that all these critical documents are PROPERLY COMPLETED and INCLUDED in their final offer, and
- enable this office to verify that bidders have attempted to ensure that all required documents in their offer have been completed/signed/included.

Please read this checklist in conjunction with the content of the relevant form in each case.

Note: Bidders should mark the relevant boxes under the heading " Bidders" with X, please. The Boxes under "Health" will be used to verify replies at this office. Bidders must complete this checklist and include it in their bid documents, please.

Bidder	
Yes	No

*The **Special Conditions** of bid document provides general instructions regarding critical aspects of the bid process including the provision of samples, testing and inspection of products, statement of supplies, quantities required, delivery rates, provision of prices, use of price increase formulae, payment and negotiations.*

Have you indicated whether your delivery period is firm, whether your bid price will remain firm in all respects for the duration of the contract and whether your prices will be subject to exchange rate variations by circling YES or NO in the relevant paragraphs?

Have you indicated your delivery rate per week and month and discounts offered on individual orders of various values by completing the relevant paragraphs?

WCBD 1 constitutes the formalization of the bidder's bid and **failure to complete and sign it in full may render the bid invalid.**

Form **WCBD 1, INVITATION TO BID:** Have you completed all aspects of this form FULLY, including the YES/NO questions? Have you provided a SIGNATURE and

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indication of the signatory's capacity? Did you remember to include your B-BEE status level verification certificate?		
WCBD 3 forms constitute a bidder's offer for a product/service. Bidders must ONLY include completed WCBD 3 forms for products/services on which they have made ACTUAL offers (i.e., bidders should NOT include blank WCBD 3 forms in their offer, please).		
Form WCBD 3.1 : Have you provided your company name, bid, number, BID PRICE including VAT and ensured that you have quoted for the correct unit of supply? Have you completed the questionnaire under the table with your prices in full?		
FIRM prices - Form WCBD 3.1/2 : Have you furnished all information regarding prices subject to <u>rate of exchange variations</u> in the table provided?		
NON-FIRM prices – Form WCBD 3.1/2 : Have you furnished all information regarding prices subject to <u>proven adjustments</u> in the table provided and included as annexures all other relevant details?		
Amended WCBD 6.1 has two purposes. Firstly, it is an introduction to terms and definitions used to explain the use of a points system to recommend bids. This form also contains formulae for calculations used during points adjudications.		
Secondly Amended WCBD 6.1 is used by bidders to claim points for being classified as B-BBEE contributor. Bidders are required to provide an original or a certified copy of a B-BBEE certificate issued by a verification body accredited by SANAS.		
Have you read and SIGNED the declaration in paragraph 9.8, provided TWO WITNESS SIGNATURES and your company address?		
Have you completed the Sworn Affidavit – BBEE Qualifying Small Enterprise?		

Other general instructions:

The *General Conditions of Contract* is intended to draw special attention to general conditions applicable to government bids, contracts and orders and to ensure that bidders are familiar with the rights and obligations of all parties involved in doing business with Government. **Bidders must not include the General Conditions of Contract in their bid offers, please.**

Bidders are advised against including bulky product brochures, extensive company profiles and empowerment initiatives in their bid offers **unless they are requested specifically elsewhere in the bid documents or have a direct influence on the bidder's offer.**

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GENERAL CONDITIONS OF CONTRACT

The purpose of this document is to:

Draw special attention to certain general conditions applicable to government bids, contracts and orders; and

To ensure that clients be familiar with regard to the rights and obligations of all parties involved in doing business with government.

In this document words in the singular also mean in the plural and vice versa and words in the masculine also mean in the feminine and neuter.

The General Conditions of Contract will form part of all bid documents and may not be amended.

Special Conditions of Contract (SCC) relevant to a specific bid, should be compiled separately for every bid (if applicable) and will supplement the General Conditions of Contract. Whenever there is a conflict, the provisions in the SCC shall prevail.

General Conditions of Contract	
1. Definitions	1. The following terms shall be interpreted as indicated:
	1.1 "Closing time" means the date and hour specified in the bidding documents for the receipt of bids.
	1.2 "Contract" means the written agreement entered into between the purchaser and the supplier, as recorded in the contract form signed by the parties, including all attachments and appendices thereto and all documents incorporated by reference therein.
	1.3 "Contract price" means the price payable to the supplier under the contract for the full and proper performance of his contractual obligations.
	1.4 "Corrupt practice" means the offering, giving, receiving, or soliciting of anything of value to influence the action of a public official in the procurement process or in contract execution.
	1.5 "Countervailing duties" are imposed in cases where an enterprise abroad is subsidized by its government and encouraged to market its products internationally.
	1.6 "Country of origin" means the place where the goods were mined, grown or produced or from which the services are supplied. Goods are produced when, through manufacturing, processing or substantial and major assembly of components, a commercially recognized new product results that is substantially different in basic characteristics or in purpose or utility from its components.
	1.7 "Day" means calendar day.
	1.8 "Delivery" means delivery in compliance of the conditions of the contract or order.
	1.9 "Delivery ex stock" means immediate delivery directly from stock actually on hand.

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	<p>1.10 "Delivery into consignees store or to his site" means delivered and unloaded in the specified store or depot or on the specified site in compliance with the conditions of the contract or order, the supplier bearing all risks and charges involved until the supplies are so delivered and a valid receipt is obtained.</p>
	<p>1.11 "Dumping" occurs when a private enterprise abroad market its goods on own initiative in the RSA at lower prices than that of the country of origin and which have the potential to harm the local industries in the RSA.</p>
	<p>1.12 "Force majeure" means an event beyond the control of the supplier and not involving the supplier's fault or negligence and not foreseeable. Such events may include, but is not restricted to, acts of the purchaser in its sovereign capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions and freight embargoes.</p>
	<p>1.13 "Fraudulent practice" means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of any bidder, and includes collusive practice among bidders (prior to or after bid submission) designed to establish bid prices at artificial non-competitive levels and to deprive the bidder of the benefits of free and open competition.</p>
	<p>1.14 "GCC" means the General Conditions of Contract.</p>
	<p>1.15 "Goods" means all of the equipment, machinery, and/or other materials that the supplier is required to supply to the purchaser under the contract.</p>
	<p>1.16 "Imported content" means that portion of the bidding price represented by the cost of components, parts or materials which have been or are still to be imported (whether by the supplier or his subcontractors) and which costs are inclusive of the costs abroad, plus freight and other direct importation costs such as landing costs, dock dues, import duty, sales duty or other similar tax or duty at the South African place of entry as well as transportation and handling charges to the factory in the</p>

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	Republic where the supplies covered by the bid will be manufactured.
	1.17 "Local content" means that portion of the bidding price which is not included in the imported content provided that local manufacture does take place.
	1.18 "Manufacture" means the production of products in a factory using labour, materials, components and machinery and includes other related value-adding activities.
	1.19 "Order" means an official written order issued for the supply of goods or works or the rendering of a service.
	1.20 "Project site," where applicable, means the place indicated in bidding documents.
	1.21 "Purchaser" means the organization purchasing the goods.
	1.22 "Republic" means the Republic of South Africa.
	1.23 "SCC" means the Special Conditions of Contract.
	1.24 "Services" means those functional services ancillary to the supply of the goods, such as transportation and any other incidental services, such as installation, commissioning, provision of technical assistance, training, catering, gardening, security, maintenance and other such obligations of the supplier covered under the contract.
	1.25 "Written" or "in writing" means handwritten in ink or any form of electronic or mechanical writing.
2. Application	2.1 These general conditions are applicable to all bids, contracts and orders including bids for functional and professional services, sales, hiring, letting and the granting or acquiring of rights, but excluding immovable property, unless otherwise indicated in the bidding documents.
	2.2 Where applicable, special conditions of contract are also laid down to cover specific supplies, services or works.
	2.3 Where such special conditions of contract are in conflict with

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	these general conditions, the special conditions shall apply.
3. General	3.1 Unless otherwise indicated in the bidding documents, the purchaser shall not be liable for any expense incurred in the preparation and submission of a bid. Where applicable a non-refundable fee for documents may be charged.
	3.2 With certain exceptions, invitations to bid are only published in the Government Tender Bulletin. The Government Tender Bulletin may be obtained directly from the Government Printer, Private Bag X85, Pretoria 0001, or accessed electronically from www.treasury.gov.za
4. Standards	4.1 The goods supplied shall conform to the standards mentioned in the bidding documents and specifications.
5. Use of contract documents and information; inspection.	5.1 The supplier shall not, without the purchaser's prior written consent, disclose the contract, or any provision thereof, or any specification, plan, drawing, pattern, sample, or information furnished by or on behalf of the purchaser in connection therewith, to any person other than a person employed by the supplier in the performance of the contract. Disclosure to any such employed person shall be made in confidence and shall extend only so far as may be necessary for purposes of such performance.
	5.2 The supplier shall not, without the purchaser's prior written consent, make use of any document or information mentioned in GCC clause 5.1 except for purposes of performing the contract.
	5.3 Any document, other than the contract itself mentioned in GCC clause 5.1 shall remain the property of the purchaser and shall be returned (all copies) to the purchaser on completion of the supplier's performance under the contract if so required by the purchaser.
	5.4 The supplier shall permit the purchaser to inspect the supplier's records relating to the performance of the supplier and to have them audited by auditors appointed by the purchaser, if so required by the purchaser.

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<p>6. Patent rights</p>	<p>6.1 The supplier shall indemnify 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.</p>
<p>7. Performance security</p>	<p>7.1 Within thirty (30) days of receipt of the notification of contract award, the successful bidder shall furnish to the purchaser the performance security of the amount specified in SCC.</p> <p>7.2 The proceeds of the performance security shall be payable to the purchaser as compensation for any loss resulting from the supplier's failure to complete his obligations under the contract.</p> <p>7.3 The performance security shall be denominated in the currency of the contract, or in a freely convertible currency acceptable to the purchaser and shall be in one of the following forms:</p> <p>(a) a bank guarantee or an irrevocable letter of credit issued by a reputable bank located in the purchaser's country or abroad, acceptable to the purchaser, in the form provided in the bidding documents or another form acceptable to the purchaser; or a cashier's or certified cheque.</p> <p>7.4 The performance security will be discharged by the purchaser and returned to the supplier not later than thirty (30) days following the date of completion of the supplier's performance obligations under the contract, including any warranty obligations, unless otherwise specified in SCC.</p>
<p>8. Inspections, tests and analyses</p>	<p>8.1 All pre-bidding testing will be for the account of the bidder.</p> <p>8.2 If it is a bid condition that supplies to be produced or services to be rendered should at any stage during production or execution or on completion be subject to inspection, the premises of the bidder or contractor shall be open, at all reasonable hours, for inspection by a representative of the Department or an organization acting on behalf of the Department.</p> <p>8.3 If there are no inspection requirements indicated in the bidding documents and no mention is made in the contract, but during the contract period it is decided that inspections shall be carried</p>

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	<p>out, the purchaser shall itself make the necessary arrangements, including payment arrangements with the testing authority concerned.</p>
	<p>8.4 If the inspections, tests and analyses referred to in clauses 8.2 and 8.3 show the supplies to be in accordance with the contract requirements, the cost of the inspections, tests and analyses shall be defrayed by the purchaser.</p>
	<p>8.5 Where the supplies or services referred to in clauses 8.2 and 8.3 do not comply with the contract requirements, irrespective of whether such supplies or services are accepted or not, the cost in connection with these inspections, tests or analyses shall be defrayed by the supplier</p>
	<p>8.6 Supplies and services which are referred to in clauses 8.2 and 8.3 and which do not comply with the contract requirements may be rejected.</p>
	<p>8.7 Any contract supplies may on or after delivery be inspected, tested or analyzed and may be rejected if found not to comply with the requirements of the contract. Such rejected supplies shall be held at the cost and risk of the supplier who shall, when called upon, remove them immediately at his own cost and forthwith substitute them with supplies which do comply with the requirements of the contract. Failing such removal, the rejected supplies shall be returned at the suppliers cost and risk. Should the supplier fail to provide the substitute supplies forthwith, the purchaser may, without giving the supplier further opportunity to substitute the rejected supplies, purchase such supplies as may be necessary at the expense of the supplier.</p>
	<p>8.8 The provisions of clauses 8.4 to 8.7 shall not prejudice the right of the purchaser to cancel the contract on account of a breach of the conditions thereof, or to act in terms of Clause 23 of GCC.</p>
9. Packing	<p>9.1 The supplier shall provide such packing of the goods as is required to prevent their damage or deterioration during transit to their final destination, as indicated in the contract. The packing shall be sufficient to withstand, without limitation, rough handling</p>

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	<p>during transit and exposure to extreme temperatures, salt and precipitation during transit, and open storage. Packing, case size and weights shall take into consideration, where appropriate, the remoteness of the goods' final destination and the absence of heavy handling facilities at all points in transit.</p>
	<p>9.2 The packing, marking, and documentation within and outside the packages shall comply strictly with such special requirements as shall be expressly provided for in the contract, including additional requirements, if any, specified in SCC, and in any subsequent instructions ordered by the purchaser.</p>
10. Delivery and documents	<p>10.1 Delivery of the goods shall be made by the supplier in accordance with the terms specified in the contract. The details of shipping and/or other documents to be furnished by the supplier are specified in SCC</p>
	<p>10.2 Documents to be submitted by the supplier are specified in SCC</p>
11. Insurance	<p>11.1 The goods supplied under the contract shall be fully insured in a freely convertible currency against loss or damage incidental to manufacture or acquisition, transportation, storage and delivery in the manner specified in the SCC.</p>
12. Transportation	<p>12.1 Should a price other than an all-inclusive delivered price be required, this shall be specified in the SCC.</p>
13. Incidental services	<p>13.1 The supplier may be required to provide any or all of the following services, including additional services, if any, specified in SCC:</p>
	<p>(a) performance or supervision of on-site assembly and/or commissioning of the supplied goods;</p>
	<p>(b) furnishing of tools required for assembly and/or maintenance of the supplied goods</p>
	<p>(c) furnishing of a detailed operations and maintenance manual for each appropriate unit of the supplied goods;</p>
	<p>(d) performance or supervision or maintenance and/or repair of the supplied goods, for a period of time agreed by the parties, provided that this service shall not relieve the</p>

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	<p>supplier of any warranty obligations under this contract; and</p> <p>(e) training of the purchaser's personnel, at the supplier's plant and/or on-site, in assembly, start-up, operation, maintenance, and/or repair of the supplied goods.</p> <p>13.2 Prices charged by the supplier for incidental services, if not included in the contract price for the goods, shall be agreed upon in advance by the parties and shall not exceed the prevailing rates charged to other parties by the supplier for similar services.</p>
<p>14. Spare parts</p>	<p>14.1 As specified in SCC, the supplier may be required to provide any or all of the following materials, notifications, and information pertaining to spare parts manufactured or distributed by the supplier:</p> <p>(a) such spare parts as the purchaser may elect to purchase from the supplier, provided that this election shall not relieve the supplier of any warranty obligations under the contract; and</p> <p>(b) in the event of termination of production of the spare parts:</p> <p>(i) Advance notification to the purchaser of the pending termination, in sufficient time to permit the purchaser to procure needed requirements; and</p> <p>(ii) following such termination, furnishing at no cost to the purchaser, the blueprints, drawings, and specifications of the spare parts, if requested</p>
<p>15. Warranty</p>	<p>15.1 The supplier warrants that the goods supplied under the contract are new, unused, of the most recent or current models, and that they incorporate all recent improvements in design and materials unless provided otherwise in the contract. The supplier further warrants that all goods supplied under this contract shall have no defect, arising from design, materials, or workmanship (except when the design and/or material is required by the purchaser's specifications) or from any act or omission of the supplier, that may develop under normal use of the supplied goods in the</p>

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	<p>conditions prevailing in the country of final destination.</p> <p>15.2 This warranty shall remain valid for twelve (12) months after the goods, or any portion thereof as the case may be, have been delivered to and accepted at the final destination indicated in the contract, or for eighteen (18) months after the date of shipment from the port or place of loading in the source country, whichever period concludes earlier, unless specified otherwise in SCC.</p> <p>15.3 The purchaser shall promptly notify the supplier in writing of any claims arising under this warranty.</p> <p>15.4 Upon receipt of such notice, the supplier shall, within the period specified in SCC and with all reasonable speed, repair or replace the defective goods or parts thereof, without costs to the purchaser.</p> <p>15.5 If the supplier, having been notified, fails to remedy the defect(s) within the period specified in SCC, the purchaser may proceed to take such remedial action as may be necessary, at the supplier's risk and expense and without prejudice to any other rights which the purchaser may have against the supplier under the contract.</p>
16. Payment	<p>16.1 The method and conditions of payment to be made to the supplier under this contract shall be specified in SCC.</p> <p>16.2 The supplier shall furnish the purchaser with an invoice accompanied by a copy of the delivery note and upon fulfillment of other obligations stipulated in the contract.</p> <p>16.3 Payments shall be made promptly by the purchaser, but in no case later than thirty (30) days after submission of an invoice or claim by the supplier.</p> <p>16.4 Payment will be made in Rand unless otherwise stipulated in SCC.</p>
17. Prices	<p>17.1 Prices charged by the supplier for goods delivered and services performed under the contract shall not vary from the prices quoted by the supplier in his bid, with the exception of any price adjustments authorized in SCC or in the purchaser's request for</p>

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	bid validity extension, as the case may be.
18. Contract amendments	18.1 No variation in or modification of the terms of the contract shall be made except by written amendment signed by the parties concerned.
19. Assignment	19.1 The supplier shall not assign, in whole or in part, its obligations to perform under the contract, except with the purchaser's prior written consent.
20. Subcontracts	20.1 The supplier shall notify the purchaser in writing of all subcontracts awarded under this contract if not already specified in the bid. Such notification, in the original bid or later, shall not relieve the supplier from any liability or obligation under the contract.
21. Delays in the supplier's performance	21.1 Delivery of the goods and performance of services shall be made by the supplier in accordance with the time schedule prescribed by the purchaser in the contract.
	21.2 If at any time during performance of the contract, the supplier or its subcontractor(s) should encounter conditions impeding timely delivery of the goods and performance of services, the supplier shall promptly notify the purchaser in writing of the fact of the delay, its likely duration and its cause(s). As soon as practicable after receipt of the supplier's notice, the purchaser shall evaluate the situation and may at his extend the supplier's time for performance, with or without the imposition of penalties, in which case the extension shall be ratified by the parties by amendment of contract.
	21.3 No provision in a contract shall be deemed to prohibit the obtaining of supplies or services from a national department, provincial department, or a local authority.
	21.4 The right is reserved to procure outside of the contract small quantities or to have minor essential services executed if an emergency arises, the supplier's point of supply is not situated at or near the place where the supplies are required, or the supplier's services are not readily available.

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	<p>21.5 Except as provided under GCC Clause 25, a delay by the supplier in the performance of its delivery obligations shall render the supplier liable to the imposition of penalties, pursuant to GCC Clause 22, unless an extension of time is agreed upon pursuant to GCC Clause 21.2 without the application of penalties.</p>
	<p>21.6 Upon any delay beyond the delivery period in the case of a supplies contract, the purchaser shall, without canceling the contract, be entitled to purchase supplies of a similar quality and up to the same quantity in substitution of the goods not supplied in conformity with the contract and to return any goods delivered later at the supplier's expense and risk, or to cancel the contract and buy such goods as may be required to complete the contract and without prejudice to his other rights, be entitled to claim damages from the supplier.</p>
<p>22. Penalties</p>	<p>22.1 Subject to GCC Clause 25, 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. The purchaser may also consider termination of the contract pursuant to GCC Clause 23.</p>
<p>23. Termination for default</p>	<p>23.1 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:</p> <ul style="list-style-type: none"> (a) if the supplier fails to deliver any or all of the goods within the period(s) specified in the contract, or within any extension thereof granted by the purchaser pursuant to GCC Clause 21.2; b) if the Supplier fails to perform any other obligation(s) under the contract; or (c) if the supplier, in the judgment of the purchaser, has engaged in corrupt or fraudulent practices in competing for

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	<p>or in executing the contract.</p>
<p>24. Anti-dumping and countervailing duties and rights</p>	<p>23.2 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. However, the supplier shall continue performance of the contract to the extent not terminated.</p> <p>24.1 When, after the date of bid, provisional payments are required, or anti-dumping or countervailing duties are imposed, or the amount of a provisional payment or anti-dumping or countervailing right is increased in respect of any dumped or subsidized import, the State is not liable for any amount so required or imposed, or for the amount of any such increase. When, after the said date, such a provisional payment is no longer required or any such anti-dumping or countervailing right is abolished, or where the amount of such provisional payment or any such right is reduced, any such favourable difference shall on demand be paid forthwith by the contractor to the State or the State may deduct such amounts from moneys (if any) which may otherwise be due to the contractor in regard to supplies or services which he delivered or rendered, or is to deliver or render in terms of the contract or any other contract or any other amount which may be due to him</p>
<p>25. Force Majeure</p>	<p>25.1 Notwithstanding the provisions of GCC Clauses 22 and 23, the supplier shall not be liable for forfeiture of its performance security, damages, or termination for default if and to the extent that his delay in performance or other failure to perform his obligations under the contract is the result of an event of force majeure.</p> <p>25.2 If a force majeure situation arises, the supplier shall promptly notify the purchaser in writing of such condition and the cause thereof. Unless otherwise directed by the purchaser in writing, the supplier shall continue to perform its obligations under the contract as far as is reasonably practical and shall seek all reasonable alternative means for performance not prevented by the force</p>

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	majeure event.
26. Termination for insolvency	26.1 The purchaser may at any time terminate the contract by giving written notice to the supplier if the supplier becomes bankrupt or otherwise insolvent. In this event, termination will be without compensation to the supplier, provided that such termination will not prejudice or affect any right of action or remedy which has accrued or will accrue thereafter to the purchaser.
27. Settlement of disputes	27.1 If any dispute or difference of any kind whatsoever arises between the purchaser and the supplier in connection with or arising out of the contract, the parties shall make every effort to resolve amicably such dispute or difference by mutual consultation.
	27.2 If, after thirty (30) days, the parties have failed to resolve their dispute or difference by such mutual consultation, then either the purchaser or the supplier may give notice to the other party of his intention to commence with mediation. No mediation in respect of this matter may be commenced unless such notice is given to the other party.
	27.3 Should it not be possible to settle a dispute by means of mediation, it may be settled in a South African court of law.
	27.4 Mediation proceedings shall be conducted in accordance with the rules of procedure specified in the SCC.
	27.5 Notwithstanding any reference to mediation and/or court proceedings herein,
	(a) the parties shall continue to perform their respective obligations under the contract unless they otherwise agree; and (b) the purchaser shall pay the supplier any monies due the supplier.
28. Limitation of liability	28.1 Except in cases of criminal negligence or willful misconduct, and in the case of infringement pursuant to Clause 6;
	(a) the supplier shall not be liable to the purchaser, whether in

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	<p>contract, tort, or otherwise, for any indirect or consequential loss or damage, loss of use, loss of production, or loss of profits or interest costs, provided that this exclusion shall not apply to any obligation of the supplier to pay penalties and/or damages to the purchaser; and</p>
	<p>(b) the aggregate liability of the supplier to the purchaser, whether under the contract, in tort or otherwise, shall not exceed the total contract price, provided that this limitation shall not apply to the cost of repairing or replacing defective equipment.</p>
<p>29. Governing language</p>	<p>29.1 The contract shall be written in English. All correspondence and other documents pertaining to the contract that is exchanged by the parties shall also be written in English.</p>
<p>30. Applicable law</p>	<p>30.1 The contract shall be interpreted in accordance with South African laws, unless otherwise specified in SCC.</p>
<p>31. Notices</p>	<p>31.1 Every written acceptance of a bid shall be posted to the supplier concerned by registered or certified mail and any other notice to him shall be posted by ordinary mail to the address furnished in his bid or to the address notified later by him in writing and such posting shall be deemed to be proper service of such notice</p>
	<p>31.2 Every written acceptance of a bid shall be posted to the supplier concerned by registered or certified mail and any other notice to him shall be posted by ordinary mail to the address furnished in his bid or to the address notified later by him in writing and such posting shall be deemed to be proper service of such notice</p>
	<p>31.2 The time mentioned in the contract documents for performing any act after such aforesaid notice has been given, shall be reckoned from the date of posting of such notice.</p>
<p>32. Taxes and duties</p>	<p>32.1 A foreign supplier shall be entirely responsible for all taxes, stamp duties, license fees, and other such levies imposed outside the purchaser's country.</p>
	<p>32.2 A local supplier shall be entirely responsible for all taxes, duties, license fees, etc., incurred until delivery of the contracted goods</p>

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	to the purchaser.
	32.3 No contract shall be concluded with any bidder whose tax matters are not in order. Prior to the award of a bid the Department must be in possession of a tax clearance certificate, submitted by the bidder. This certificate must be an original issued by the South African Revenue Services.
33. National Industrial Participation (NIP) Programme	33.1 The NIP Programme administered by the Department of Trade and Industry shall be applicable to all contracts that are subject to the NIP obligation.
34 Prohibition of Restrictive practices	34.1 In terms of section 4 (1) (b) (iii) of the Competition Act No. 89 of 1998, as amended, an agreement between, or concerted practice by, firms, or a decision by an association of firms, is prohibited if it is between parties in a horizontal relationship and if a bidder (s) is / are or a contractor(s) was / were involved in collusive bidding (or bid rigging).
	34.2 If a bidder(s) or contractor(s), based on reasonable grounds or evidence obtained by the purchaser, has / have engaged in the restrictive practice referred to above, the purchaser may refer the matter to the Competition Commission for investigation and possible imposition of administrative penalties as contemplated in the Competition Act No. 89 of 1998.
	34.3 If a bidder(s) or contractor(s), has / have been found guilty by the Competition Commission of the restrictive practice referred to above, the purchaser may, in addition and without prejudice to any other remedy provided for, invalidate the bid(s) for such item(s) offered, and / or terminate the contract in whole or part, and / or restrict the bidder(s) or contractor(s) from conducting business with the public sector for a period not exceeding ten (10) years and / or claim damages from the bidder(s) or contractor(s) concerned.

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