



**JAWAHARLAL INSTITUTE OF POST GRADUATE MEDICAL
EDUCATION & RESEARCH (JIPMER)**



GOVERNMENT OF INDIA

(An Institution of National Importance under Ministry of Health & Family Welfare) Dhanvantri
Nagar, Puducherry-605006

**OPEN TENDER
ENQUIRY DOCUMENT
FOR
RATE CONTRACT
FOR
SUPPLY OF CONSUMABLES/NON-CONSUMABLES
FOR
DEPARTMENT OF
CARDIOTHORACIC AND VASCULAR SURGERY**

(This document consisting of **102** pages)

**JIPMER,
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SECTION-I

JAWAHARLAL INSTITUTE OF POSTGRADUATE MEDICAL EDUCATION AND RESEARCH PUDUCHERRY – 6

(Institution of National Importance under the Ministry of Health & Family Welfare,
Govt. of India)

Purchase Section

No. JIP/PUR6(1)/OeT/CTVS/2021-22

Dated: 06.08.2021

NOTICE INVITING e-TENDER (e-NIT)

Sub: Supply of Consumables / Non-Consumables

E- tenders are invited from eligible and qualified domestic manufacturer's or their distributors for the RATE CONTRACT for supply of CONSUMABLES/NON-CONSUMABLES for the Department of **CARDIOTHORACIC AND VASCULAR SURGERY** for 2021– 22.

1. Scope of work: Supply of consumables/non-consumables for the Department of CTVS
2. Value of tender: Approximate Cost **Rs. 1,00,00,000**
3. Tender timelines:
 - i. Opening date & time for download of Tender document: **06.00 PM on 06.08.2021**
 - ii. Last date for receipt of pre-bid queries: **07.00 PM on 10.08.2021**
 - iii. Pre-bid queries can be made through e-mail to: **ctvsjipmer@gmail.com**
 - iv. Opening date & time for submission of online bids: **09.00 AM on 14.08.2021**
 - v. Closing date & time for submission of online bids **06.00 PM on 04.09.2021**
 - vi. Date and Time of opening of online bids for Technical evaluation: **11.00 AM on 06.09.2021**
 - vii. Date & time of opening of Price Bid: To be intimated later.
4. Earnest Money Deposit/Bid Security: Bid security declaration must be submitted by all bidders.
5. Tender Processing Fee (Non-refundable): **Rs. 590 (including 18% GST) shall be paid through SBI collect only.**
<https://www.onlinesbi.com/sbicollect/icollecthome.htm>
6. Interested bidders are advised to download the complete Tender Enquiry document from the websites **www.jipmer.edu.in** or **<https://eprocure.gov.in/eprocure/app>** for complete details.
7. The prospective bidders must register with the E-procurement system of **<https://eprocure.gov.in/eprocure/app>**. Special Instructions to the bidders for the e-submission of the bids online through this eProcurement Portal on completion of the registration process is given in **<https://eprocure.gov.in/eprocure/app>**, the bidders will be provided user ID and password upon enrollment. In order to submit the bids

electronically, bidders are required to have a valid Class 3 Digital Signature Certificate (signing and encryption/ decryption certificates).

8. Bidders are requested to read the bidders help document on e-tender web site link before proceeding for bidding.
9. Post receipt of User ID & Password, Bidders can log on for downloading & uploading tender document.
10. The bidders shall submit the required bid security declaration (as per G.I.T clause 2) before the due date and time mentioned above.
11. The online submission of tender(s) can only be done through **<https://eprocure.gov.in/eprocure/app>**
12. Bidders shall ensure that their tender(s), complete in all respects, are submitted online through **<https://eprocure.gov.in/eprocure/app>** e-portal (as described above) only.
13. Prospective bidders are advised to browse the above websites regularly before submission of their bids as any further amendments will be published in these websites only.

Asst. Officer in Charge
Purchase Section,
For
Director,
JIPMER, Puducherry

Section-II

SCHEDULE OF REQUIREMENTS AND SPECIFICATIONS

LIST OF ITEMS REQUIRED

1. Scope of work : Supply of Consumables/ Non-Consumables for the department of **CARDIOTHORACIC AND VASCULAR SURGERY** as detailed below

Sl. No.	Item Description	Quantity	Units
1.000	<p>Perfusion Technological Consumables-Abbreviations Used MSA - Membrane surface Area, BFR - Blood Flow rate SPV - Static Priming Volume, CVR - Cardiotomy venous reservoir. PV - Priming volume, BHPSC - Biocompatible hydrophilic polymer surface coating, HE - Heat Exchanger. SS - Stainless Steel SPR - Sample to be Provided</p>		
1.001	<p>Membrane Oxygenator- Large Adult - Type A MSA = 1.7 to1.8m², Max. BFR = 8L/min, SPV ≤ 220ml, CVR ≥ 4500ml, Surface must be coated, Primary Pack should be labelled. Holder & Temperature probe to be supplied. SPR</p>	20	Nos
1.002	<p>Membrane Oxygenator- Large Adult - Type B MSA = 1.4 to 1.8m², Max BFR =6 L/min, SPV ≤ 185ml, CVR ≥ 4500ml Coated Surface -Polyurethane HE, Primary Pack should be labelled. Holder & Temperature probe to be supplied. SPR</p>	40	Nos
1.003	<p>Membrane Oxygenator- Large Adult - Type C MSA = 1.4 to1.8m², Max BFR = 6 L/min, SPV ≤ 185ml, CVR ≥ 4500ml, Integrated Arterial filter, Surface must be coated, Polyurethane HE, Primary Pack should be labelled. Holder & Temperature probe to be supplied. SPR</p>	160	Nos
1.004	<p>Membrane Oxygenator- Small Adult - Type A MSA=1.3 to 1.5 m², Max BFR= 5 L/min, SPV ≤ 175ml, CVR ≥ 4000ml. Biocompatible surface coating preferable. Stainles Steel HE, Primary Pack should be labelled. Holder & Temperature probe to be supplied. SPR</p>	60	Nos
1.005	<p>Membrane Oxygenator- Small Adult - Type B MSA = 1.3 to1.5 m², Max BFR =5L /min,SPV ≤ 295ml, CVR ≥ 4000ml. Integrated arterial filter, SS-HE, Primary Pack should be labelled. Holder & Temperature probe to be supplied. SPR</p>	120	Nos

1.006	<p>Membrane Oxygenator- Small Adult - Type C MSA= 1.5m², Max BFR= 4 L/min, SPV ≤ 135 ml, Hard shell reservoir capacity 3000-3200ml, Metal HE. Primary Pack should be labelled. Holder & Temperature probe to be supplied. SPR</p>	20	Nos
1.007	<p>Membrane Oxygenator- Pediatric - Type A MSA ≤ 1.1m², Max. BFR 2.8 to3.5L/min, SPV ≤ 130ml, CVR ≥ 2500ml, SS- HE integrated with oxygenator. Primary Pack should be labelled. Holder & Temperature probe to be supplied. SPR</p>	50	Nos
1.008	<p>Membrane Oxygenator - Pediatric - Type B MSA ≤ 0.8m², Max BFR 2.1 -2.8 L /min, SPV≤ 100ml, CVR ≤ 1500ml, SS-HE integrated with oxygenator. Primary Pack should be labelled. Holder & Temperature probe to be supplied. SPR</p>	50	Nos
1.009	<p>Membrane Oxygenator-Pediatric - Type C MSA ≤ 0.67m², Max BFR = 2 L/min, SPV ≤ 48ml. Integrated HE of Terephthalate (PET) Primary Pack should be labelled. Holder & Temperature probe to be supplied. SPR</p>	75	Nos
1.010	<p>Membrane Oxygenator- Infant MSA ≤ 0.5m², Max BFR = 1.5 L /min, SPV ≤ 43ml, Integrated SS-HE. Biocompatible hydrophilic polymer surface coating . Primary Pack should be labelled. Holder & Temperature probe to be supplied. SPR</p>	35	Nos
1.011	<p>Membrane Oxygenator- Neonate MSA ≤ 0.35m², Max BFR= 1 L /min, SPV ≤ 38ml, integrated SS-HE , Coated surface. Primary Pack should be labelled. Holder & Temperature probe to be supplied. SPR</p>	15	Nos
1.012	<p>Membrane Oxygenator- Dual Chamber CVR integrated with arterial filter MSA = 1.6 to 1.85m², Max BFR -7 L/min, SPV ≤ 350ml, Coated surface, Two-step lipid-leukocytes depletion CVR, Primary Pack should be labelled. Holder & Temperature probe to be supplied. SPR</p>	10	Nos
1.013	<p>ECMO Oxygenator -Adult MSA ≥1.8m², Max BFR= 7 L/min, SPV ≤ 250 ml. CVR=4 Lit, Diffusion membrane material Polymethyl pentene. Primary Pack should be labelled. Holder & Temperature probe to be supplied. SPR</p>	2	Nos

1.014	<p>ECMO Oxygenator - Small Adult MSA $\geq 1.2\text{m}^2$, Max BFR= 5L/min, SPV ≤ 150 ml. CVR=3 Lit</p> <p>Diffusion membrane material Polymethyl pentene. Primary Pack should be labelled. Holder & Temperature probe to be supplied. SPR</p>	2	Nos
1.015	<p>ECMO Oxygenator-Pediatric MSA $\geq 0.67\text{m}^2$, Max BFR up to 4L/min, SPV ≤ 90 ml. CVR=2.5 Lit</p> <p>Diffusion membrane material Polymethyl pentene Primary Pack should be labelled. Holder & Temperature probe to be supplied. SPR</p>	2	Nos
1.016	<p>ECMO Oxygenator -Neonate MSA $\geq 0.69\text{m}^2$, Max BFR=1.5 L/min, SPV ≤ 95ml. CVR = 1.5 Lit.</p> <p>Diffusion membrane material Polymethyl pentene. Primary Pack should be labelled. Holder & Temperature probe to be supplied. SPR</p>	1	Nos
1.017	<p>ECMO oxygenator with circuit for multipurpose use - ADULT TYPE 1 MSA $\geq 1.8\text{m}^2$, Max BFR= 7L/min , SPV ≤ 250 ml, RF-32 or Flo Pump32 centrifugal Pump Head, Diiffusion membrane of Polymethylpentene. Primary Pack should be labelled. Holder & Temperature probe to be supplied. SPR</p>	2	Nos
1.018	<p>ECMO oxygenator with circuit for multipurpose use -ADULT TYPE 2 MSA $\geq 1.8\text{m}^2$, Max BFR= 7 L/min, SPV ≤ 250 ml, Vaned Impeller design of pump head - Diffusion membrane material Polymethylpentene, - 3/8 inch inlet & outlet with housing to fit the centrifugal console of APS-I (Terumo) & SORIN S5 (CP5), Primary Pack should be labelled. Holder & Temperature probe to be supplied. SPR</p>	2	Nos
1.019	<p>ECMO oxygenator with circuit for multipurpose use - SMALL ADULT TYPE 1 MSA $\geq 1.5\text{m}^2$, Max BFR= 5L/min , SPV ≤ 200 ml, RF-32 or Flo Pump32 centrifugal Pump Head, Diffusion membrane material Polymethylpentene , Primary Pack should be labelled. Holder & Temperature probe to be supplied. SPR</p>	1	Nos
1.020	<p>ECMO oxygenator with circuit for multipurpose use - SMALL ADULT TYPE 2 MSA $\geq 1.5\text{m}^2$, Max BFR= 5L/min, SPV ≤ 200 ml, Vaned Impeller design pump head, Diffusion membrane material Polymethylpentene , 3/8 inch inlet & outlet with housing to fit the centrifugal console of APS-I (Terumo) & SORIN S5 (CP5) Primary Pack should be labelled. Holder & Temperature probe to be supplied. SPR</p>	1	Nos

1.021	<p>ECMO oxygenator with circuit for multipurpose use - PEDIATRIC TYPE 1</p> <p>MSA $\geq 0.69\text{m}^2$, Max BFR = 1.5L/min, SPV ≤ 90 ml. 'RF-32 or FloPump32' centrifugal Pump Head, Polymethylpentene membrane, Primary Pack should be labelled. Holder & Temperature probe to be supplied. SPR</p>	MSA	1	Nos
1.022	<p>ECMO oxygenator with circuit for multipurpose use - PEDIATRIC TYPE 2</p> <p>MSA $\geq 0.69\text{m}^2$, Max BFR= 1.5L/min, SPV ≤ 90 ml. Vaned Impeller design pump head, Polymethylpentene membrane, 3/8 or 1/4 inch inlet & outlet with housing to fit the centrifugal console of APS-I (Terumo) & SORINS5(CP5). Primary Pack should be labelled. Holder & Temperature probe to be supplied. SPR</p>	MSA \geq	1	Nos
1.023	<p>Hemofilter- Big Adult</p> <p>MSA $\leq 1.4\text{m}^2$, PV ≤ 80 ml, To be supplied with tubing set & collection bag & a suitable holder Primary Pack should be labelled. SPR</p>		20	Nos
1.024	<p>Hemofilter- Adult</p> <p>MSA = 1.1m^2, PV ≤ 71 ml, To be supplied with tubing set & collection bag & a suitable holder Primary Pack should be labelled. SPR</p>		50	Nos
1.025	<p>Hemofilter- Small Adult</p> <p>MSA $\leq 0.71\text{m}^2$, PV ≤ 65 ml, To be supplied with tubing set & collection bag & a suitable holder Primary Pack should be labelled. SPR</p>		150	Nos
1.026	<p>Hemofilter -Pediatric</p> <p>MSA $\leq 0.3\text{m}^2$, PV ≤ 35 ml, supplied with tubing set & collection bag & a suitable holder Primary Pack should be labelled. SPR</p>	To be	30	Nos
1.027	<p>Hemofilter-Infant</p> <p>MSA $\leq 0.1\text{m}^2$, PV ≤ 20 ml, To be supplied with tubing set & collection bag & a suitable holder Primary Pack should be labelled. SPR</p>	MSA	30	Nos

1.028	<p>Arterial filter - Adult Max BFR=7 L/min, SPV ≤ 125 ml, Pore size-37µm, Blood port= 3/8 inch Bypass loop & 3-way with one-way valve purge line & a suitable holder - to be supplied. Primary Pack should be labelled. SPR</p>	5	Nos
1.029	<p>Arterial filter - Small Adult Max BFR=4L/min, SPV ≤ 80 ml, Pore size-37µm, Blood port= 3/8 inch Bypass loop & 3-way with one-way valve purge line & a suitable holder - to be supplied. Primary Pack should be labelled. SPR</p>	5	Nos
1.030	<p>Arterial filter - Pediatric Max BFR=2.5 L/min, SPV ≤ 40 ml, Pore size-32µm, Blood port=1/4 inch. Bypass loop & 3way with one-way valve purge line & a suitable holder - to be supplied. Primary Pack should be labelled. SPR</p>	1	Nos
1.031	<p>Custom pack -Adult - tubing set for CPB as per JIPMER 2020 Circuit. (contact CTVS dept for Figures)</p>	220	Nos
1.032	<p>Custom pack -Small Adult -tubing set for CPB as per JIPMER 2020 Circuit. (contact CTVS dept for Figures)</p>	200	Nos
1.033	<p>Custom pack -Pediatric tubing set for CPB as per JIPMER 2020 Circuit. (contact CTVS dept for Figures)</p>	175	Nos
1.034	<p>Custom pack -Neonatal tubing set for CPB as per JIPMER 2020 Circuit. (contact CTVS dept for Figures)</p>	50	Nos

1.035	ECMO Adult tubing set Custom pack as per the JIPMER 2020 circuit. Primary Pack should be labelled. SPR . (contact CTVS dept for Figures)	2	Nos
1.036	ECMO Pediatric tubing set Custom pack as per the JIPMER 2020 circuit. Primary Pack should be labelled. SPR . (contact CTVS dept for Figures)	2	Nos
1.037	Cardio plegia delivery system (CPDS) - Reservoir Type Minimum 2-L Reservoir capacity with at least 4 x 1/4" ports with holder Primary Pack should be labelled. . SPR	5	Nos
1.038	Cardio plegia delivery system (CPDS) - 4:1 type PV ≤ 30ml, Max BFR ≥ 2.5 L/min with 3-way with purge line. Preferably with grooved stainless steel HE & 150 µm polyester screen filter. Primary Pack should be labelled. Holder to be supplied. SPR	650	Nos
1.039	Centrifugal pump head - Adult type 1 Vaned Impeller design, 3/8 "inlet & outlet with housing to fit the centrifugal console of heart lung machine of APS-I (Terumo – Sarns) & SORIN S5 (CP5).SPR	20	Nos
1.040	Centrifugal pump head - Adult Type 2 Priming Volume ≤ 32ml, 3/8 inch inlet & outlet with housing to fit the centrifugal console of Rotaflow (Maquet). The pump head should be without a metal shaft or seal .SPR	10	Nos
1.041	Centrifugal pump head - Pediatric Type 1 Vaned Impeller design, 1/4" inlet & outlet with housing to fit the centrifugal console of heart lung machine of APS-I (Terumo–Sarns) & SORIN S5 (CP5). SPR	10	Nos
1.042	Centrifugal pump head - Pediatric Type 2 1/4" inlet & outlet with housing to fit the centrifugal console of Rotaflow (Maquet). The pump head should be without a metal shaft or seal . SPR	5	Nos
1.043	Intra Aortic balloon (compatible with Arrow IABP machine)-30 cc To be supplied with suitable conectors and the kit for femoral insertion of the balloon.	2	Nos
1.044	Intra Aortic balloon (compatible with Arrow IABP machine) 34 / 35 cc To be supplied with suitable conectors and the kit for femoral insertion of the balloon.	10	Nos

1.045	Intra Aortic balloon (compatible with Arrow IABP machine)- 40 cc To be supplied with suitable connectors and the kit for femoral insertion of the balloon.	15	Nos
1.046	Intra Aortic balloon (compatible with Arrow IABP machine)- 50 cc To be supplied with suitable connectors and the kit for femoral insertion of the balloon.	1	Nos
1.047	Pressure transducers - Single type for heart lung machine Sarns Heart Lung machine and APS-I with 200 cm pressure line & a pressure cable suitable for the device and the machine has to be supplied free of cost with every 100 transducers purchased - SPR	600	Nos
1.048	Straight connectors with female luer lock - Disposable, Sterile, transparent - made up of high quality plastic suitable for cardio- pulmonary bypass circuit with female luer lock. SPR Size A - 3/16" x 3/16" .	1	Nos
1.049	Straight connectors with female luer lock - Disposable, Sterile, transparent - made up of high quality plastic suitable for cardio- pulmonary bypass circuit with female luer lock. SPR Size B - 1/4" x 1/4" ..	1	Nos
1.050	Straight connectors with female luer lock - Disposable, Sterile, transparent - made up of high quality plastic suitable for cardio- pulmonary bypass circuit with female luer lock. SPR Size C - 3/8" x 3/8" .	20	Nos
1.051	Straight connectors with female luer lock - Disposable, Sterile, transparent - made up of high quality plastic suitable for cardio- pulmonary bypass circuit with female luer lock. SPR Size D - 1/4" x 3/8" .	10	Nos
1.052	Straight connectors with female luer lock - Disposable, Sterile, transparent - made up of high quality plastic suitable for cardio- pulmonary bypass circuit with female luer lock. SPR Size E - 3/8" x 1/2" .	25	Nos
1.053	Y connectors with female luer lock - Disposable, Sterile, transparent - made up of high quality plastic suitable for cardio- pulmonary bypass circuit with female luer lock. SPR Size A - 3/16" x 3/16" x 3/16"	1	Nos
1.054	Y connectors with female luer lock - Disposable, Sterile, transparent - made up of high quality plastic suitable for cardio- pulmonary bypass circuit with female luer lock. SPR Size B - 3/16" x 1/4" x 1/4"	1	Nos

1.055	Y connectors with female luer lock - Disposable, Sterile, transparent - made up of high quality plastic suitable for cardio- pulmonary bypass circuit with female luer lock. SPR Size C - 1/4" x 1/4" x 1/4"	25	Nos
1.056	Y connectors with female luer lock - Disposable, Sterile, transparent - made up of high quality plastic suitable for cardio- pulmonary bypass circuit with female luer lock. SPR Size D - 1/4" x 1/4" x 3/8"	1	Nos
1.057	Y connectors with female luer lock - Disposable, Sterile, transparent - made up of high quality plastic suitable for cardio- pulmonary bypass circuit with female luer lock. SPR Size E - 3/8" x 3/8" x 3/8"	1	Nos
1.058	Y connectors with female luer lock - Disposable, Sterile, transparent - made up of high quality plastic suitable for cardio- pulmonary bypass circuit with female luer lock. SPR Size F - 3/8" x 3/8" x 1/4"	20	Nos
1.059	Y connectors with female luer lock - Disposable, Sterile, transparent - made up of high quality plastic suitable for cardio- pulmonary bypass circuit with female luer lock. SPR Size G - 1/2"x 3/8"x 3/8"	1	Nos
1.060	Y connectors with female luer lock - Disposable, Sterile, transparent - made up of high quality plastic suitable for cardio- pulmonary bypass circuit with female luer lock. SPR Size H - 3/16" x 1/4" x 3/8"	1	Nos
1.061	HTK type - single shot cardioplegiaHistidine – Tryptophan – Ketoglutarate (HTK) type. cardioplegic solution for myocardial protection for at least 3 hours after a single shot of cardioplegia. 1 litre	20	Nos
1.062	HTK type - single shot cardioplegiaHistidine – Tryptophan – Ketoglutarate (HTK) type. cardioplegic solution for myocardial protection for at least 3 hours after a single shot of cardioplegia. 0.5 litre	10	Nos
1.063	Multiple perfusion adapter set with 4 legs (3 long +1 short leg) with individual tubing clamps for simultaneous perfusion of venous grafts and aortic root - with female luer inlet & male luer outlets preferably with length of- at least 10" (refer fig.) SPR.	1	Nos
1.064	Minimally invasive vascular access Kit for femoral arterial cannulation for CPB or ECMO with Scalpel (#11), Seldinger Needle (18G) Stepped vessel dilator - 8 F/10 F, 12 F/14 F & 16 F/18 F, Guidewire - 0.038" (0.965-mm) - 100 cm long -for cannulation - SPR	25	Nos

1.065	Minimally invasive vascular access kit for femoral venous Cannulation for CPB or ECMO With Scalpel (#11), Seldinger Needle (18G) Stepped vessel dilator - 8 F/10 F, 12 F/14 F and 16 F/18 F, Guidewire - 0.038" (0.965-mm) - 180 cm long- SPR	25	Nos
1.066	Minimally invasive Vascular access Kit for jugular venous Cannulation for CPB or ECMO With Scalpel (#11), Seldinger Needle (18G) Stepped vessel dilator - 8 F/10 F, 12 F/14 F Guidewire - 0.025" (0.535-mm) - 60 cm long-for cannulation SPR	10	Nos
1.067	Dual lumen catheter 13 F for venovenous ECMO with Insertion kit having 100 cm guidewire , suitable Seldindinger puncture needle. SPR	1	Nos
1.068	Dual lumen catheter 16 F for venovenous ECMO with Insertion kit having 100 cm guidewire , suitable Seldindinger puncture needle. SPR	1	Nos
1.069	Dual lumen catheter 19 F for venovenous ECMO with Insertion kit having 100 cm guidewire , suitable Seldindinger puncture needle. SPR	1	Nos
1.070	Dual lumen catheter 20 F for venovenous ECMO with Insertion kit having 210 cm guidewire , suitable Seldindinger puncture needle. SPR	1	Nos
1.071	Dual lumen catheter 23 F for venovenous ECMO with Insertion kit having 210 cm guidewire , suitable Seldindinger puncture needle. SPR	1	Nos
1.072	Dual lumen catheter 27 F for venovenous ECMO with Insertion kit having 210 cm guidewire , suitable Seldindinger puncture needle. SPR	1	Nos
1.073	Dual lumen catheter 31 F for venovenous ECMO with Insertion kit having 210 cm guidewire , suitable Seldindinger puncture needle. SPR	1	Nos
1.074	Aortic / arterial Perfusion Cannula plain type with Straight tip 8F Overall length of at least 7 inches with transparent body with tapering contour, tip orientation line and tip guard preferably with vented type connector - SPR	5	Nos
1.075	Aortic / arterial Perfusion Cannula plain type with Straight tip 10F Overall length of at least 7 inches with transparent body with tapering contour, tip orientation line and tip guard preferably with vented type connector - SPR	10	Nos

1.076	Aortic / arterial Perfusion Cannula plain type with Straight tip 12F Overall length of at least 7 inches with transparent body with tapering contour, tip orientation line and tip guard preferably with vented type connector - SPR	20	Nos
1.077	Aortic / arterial Perfusion Cannula plain type with Straight tip 14F Overall length of at least 7 inches with transparent body with tapering contour, tip orientation line and tip guard preferably with vented type connector - SPR	30	Nos
1.078	Aortic / arterial Perfusion Cannula plain type with Straight tip 16F Overall length of at least 7 inches with transparent body with tapering contour, tip orientation line and tip guard preferably with vented type connector - SPR	20	Nos
1.079	Aortic / arterial Perfusion Cannula plain type with Straight tip 18F Overall length of at least 7 inches with transparent body with tapering contour, tip orientation line and tip guard preferably with vented type connector - SPR	20	Nos
1.080	Aortic / arterial Perfusion Cannula plain type with Straight tip 20F Overall length of at least 7 inches with transparent body with tapering contour, tip orientation line and tip guard preferably with vented type connector - SPR	100	Nos
1.081	Aortic / arterial Perfusion Cannula plain type with Straight tip 22F Overall length of at least 7 inches with transparent body with tapering contour, tip orientation line and tip guard preferably with vented type connector - SPR	200	Nos
1.082	Aortic / arterial Perfusion Cannula plain type with Straight tip 24F Overall length of at least 7 inches with transparent body with tapering contour, tip orientation line and tip guard preferably with vented type connector - SPR	25	Nos
1.083	Aortic /arterial Perfusion Cannula -Angled (45 deg) wirewound - Size 20F - Overall at least 12 inches with transparent & wirewound body, angled (45 deg) bevelled tip with side holes, tip orientation line and tip guard preferably with vented type connector - SPR	1	Nos
1.084	Aortic /arterial Perfusion Cannula -Angled (45 deg) wirewound - Size 22F - Overall at least 12 inches with transparent & wirewound body, angled (45 deg) bevelled tip with side holes, tip orientation line and tip guard preferably with vented type connector - SPR	1	Nos

1.085	Aortic /arterial Perfusion Cannula -Angled (45 deg) wirewound - Size 24F - Overall at least 12 inches with transparent & wirewound body, angled (45 deg) bevelled tip with side holes, tip orientation line and tip guard preferably with vented type connector - SPR	1	Nos
1.086	Elongated Aortic /arterial Perfusion Cannula - Pediatric Size 6F - With elongated thin walled tip - vented type - depth markings - overall at least 9 inch long with introducer preferably with guide wire -SPR	1	Nos
1.087	Elongated Aortic /arterial Perfusion Cannula - Pediatric Size 8F - With elongated thin walled tip - vented type - depth markings - overall at least 9 inch long with introducer preferably with guide wire -SPR	25	Nos
1.088	Elongated Aortic /arterial Perfusion Cannula - Pediatric Size 10F - With elongated thin walled tip - vented type - depth markings - overall at least 9 inch long with introducer preferably with guide wire -SPR	35	Nos
1.089	Elongated Aortic /arterial Perfusion Cannula - Pediatric Size 12F - With elongated thin walled tip - vented type - depth markings - overall at least 9 inch long with introducer preferably with guide wire -SPR	35	Nos
1.090	Elongated Aortic /arterial Perfusion Cannula - Pediatric Size 14F - With elongated thin walled tip - vented type - depth markings - overall at least 9 inch long with introducer preferably with guide wire -SPR	25	Nos
1.091	Elongated Aortic /arterial Perfusion Cannula - Pediatric Size 16F - With elongated thin walled tip - vented type - depth markings - overall at least 9 inch long with introducer preferably with guide wire -SPR	25	Nos
1.092	Elongated Aortic /arterial Perfusion Cannula - Adult Size 18F - with thin walled vented type tip, introducer & depth markings, radioopaque adjustable suture collar - overall length of at least 12 inch long preferably with guidewire. SPR	10	Nos
1.093	Elongated Aortic /arterial Perfusion Cannula - Adult Size 20F - with thin walled vented type tip, introducer & depth markings, radioopaque adjustable suture collar -overall length of at least 12 inch long preferably with guidewire. SPR	30	Nos
1.094	Elongated Aortic /arterial Perfusion Cannula - Adult Size 22F - with thin walled vented type tip, introducer & depth markings, radioopaque adjustable suture collar -overall length of at least 12 inch long preferably with guidewire. SPR	30	Nos

1.095	Elongated Aortic /arterial Perfusion Cannula - Adult Size 24F - with thin walled vented type tip, introducer & depth markings, radioopaque adjustable suture collar -overall length of at least 12 inch long preferably with guidewire. SPR	1	Nos
1.096	Venous Return Cannula - single stage -- straight 12F multiport tapered tip with kink resistant wirewound body- over all length of at least 12 inch long - SPR	10	Nos
1.097	Venous Return Cannula - single stage -- straight 14F multiport tapered tip with kink resistant wirewound body- over all length of at least 12 inch long - SPR	15	Nos
1.098	Venous Return Cannula - single stage -- straight 16F multiport tapered tip with kink resistant wirewound body- over all length of at least 12 inch long - SPR	15	Nos
1.099	Venous Return Cannula - single stage -- straight 18F multiport tapered tip with kink resistant wirewound body- over all length of at least 12 inch long - SPR	15	Nos
1.100	Venous Return Cannula - single stage -- straight 20F multiport tapered tip with kink resistant wirewound body- over all length of at least 12 inch long - SPR	20	Nos
1.101	Venous Return Cannula - single stage -- straight 22F multiport tapered tip with kink resistant wirewound body- over all length of at least 12 inch long - SPR	20	Nos
1.102	Venous Return Cannula - single stage -- straight 24F multiport tapered tip with kink resistant wirewound body- over all length of at least 12 inch long - SPR	30	Nos
1.103	Venous Return Cannula - single stage -- straight 26F multiport tapered tip with kink resistant wirewound body- over all length of at least 12 inch long - SPR	30	Nos
1.104	Venous Return Cannula - single stage -- straight 28F multiport tapered tip with kink resistant wirewound body- over all length of at least 12 inch long - SPR	100	Nos
1.105	Venous Return Cannula - single stage -- straight 30F multiport tapered tip with kink resistant wirewound body- over all length of at least 12 inch long - SPR	120	Nos

1.106	Venous Return Cannula - single stage -- straight 32F multiport tapered tip with kink resistant wirewound body- over all length of at least 12 inch long - SPR	120	Nos
1.107	Venous Return Cannula - single stage -- straight 34F multiport tapered tip with kink resistant wirewound body- over all length of at least 12 inch long - SPR	10	Nos
1.108	Venous Return Cannula - single stage -- straight 36F multiport tapered tip with kink resistant wirewound body- over all length of at least 12 inch long - SPR	1	Nos
1.109	Venous Return Cannula - single stage -- straight 38F multiport tapered tip with kink resistant wirewound body- over all length of at least 12 inch long - SPR	1	Nos
1.110	Venous Return Cannula - single stage -- right angled metal 10F multiport tip with kink resistant wirewound body- tip orientation line over all length of at least 14 inch long - SPR	10	Nos
1.111	Venous Return Cannula - single stage -- right angled metal 12F multiport tip with kink resistant wirewound body- tip orientation line over all length of at least 14 inch long - SPR	30	Nos
1.112	Venous Return Cannula - single stage -- right angled metal 14F multiport tip with kink resistant wirewound body- tip orientation line over all length of at least 14 inch long - SPR	30	Nos
1.113	Venous Return Cannula - single stage -- right angled metal 16F multiport tip with kink resistant wirewound body- tip orientation line over all length of at least 14 inch long - SPR	30	Nos
1.114	Venous Return Cannula - single stage -- right angled metal 18F multiport tip with kink resistant wirewound body- tip orientation line over all length of at least 14 inch long - SPR	15	Nos
1.115	Venous Return Cannula - single stage -- right angled metal 20F multiport tip with kink resistant wirewound body- tip orientation line over all length of at least 14 inch long - SPR	20	Nos

1.116	Venous Return Cannula - single stage -- right angled metal 22F multiport tip with kink resistant wirewound body- tip orientation line over all length of at least 14 inch long - SPR	20	Nos
1.117	Venous Return Cannula - single stage -- right angled metal 24F multiport tip with kink resistant wirewound body- tip orientation line over all length of at least 14 inch long - SPR	5	Nos
1.118	Venous Return Cannula - single stage -- right angled metal 26F multiport tip with kink resistant wirewound body- tip orientation line over all length of at least 14 inch long - SPR	1	Nos
1.119	Venous Return Cannula - single stage -- right angled metal 28F multiport tip with kink resistant wirewound body- tip orientation line over all length of at least 14 inch long - SPR	1	Nos
1.120	Venous Return Cannula-Cuffed single stage - 37F - wirewound body at least 35 cm long with inflatable cuff - SPR	1	Nos
1.121	Venous return cannula -Two Stage flat body- 28/36F - thin walled - with multi-ported tips & atrial basket - wirewound with depth markings with overall length of at least 38 cm - SPR	5	Nos
1.122	Venous return cannula -Two Stage flat body- 29/29F - thin walled - with multi-ported tips & atrial basket - wirewound with depth markings with overall length of at least 38 cm - SPR	1	Nos
1.123	Venous return cannula -Two Stage flat body- 29/37F - thin walled - with multi-ported tips & atrial basket - wirewound with depth markings with overall length of at least 38 cm - SPR	5	Nos
1.124	Venous return cannula -Two Stage flat body- 32/40F - thin walled - with multi-ported tips & atrial basket - wirewound with depth markings with overall length of at least 38 cm - SPR	5	Nos
1.125	Venous return cannula -Two Stage flat body- 36/46F - thin walled - with multi-ported tips & atrial basket - wirewound with depth markings with overall length of at least 38 cm - SPR	50	Nos

1.126	Venous return cannula -Two Stage flat body- 34/46F - thin walled - with multi-ported tips & atrial basket - wirewound with depth markings with overall length of at least 38 cm - SPR	50	Nos
1.127	Venous return cannula -Two Stage flat body- 36/51F - thin walled - with multi-ported tips & atrial basket - wirewound with depth markings with overall length of at least 38 cm - SPR	1	Nos
1.128	Venous return cannula -three Stage -Oval body- 29/29/29 F - thin walled - with multi-ported tips & atrial basket - wirewound with depth markings with overall length of at least 38 cm - SPR	2	Nos
1.129	Venous return cannula -three Stage -Oval body- 29/46/37 F - thin walled - with multi-ported tips & atrial basket - wirewound with depth markings with overall length of at least 38 cm - SPR	1	Nos
1.130	Femoral Arterial Perfusion cannula (Pediatric) - 8F with depth marking, introducer with central lumen - SPR	1	Nos
1.131	Femoral Arterial Perfusion cannula (Pediatric) - 10F with depth marking, introducer with central lumen - SPR	1	Nos
1.132	Femoral Arterial Perfusion cannula (Pediatric) - 12F with depth marking, introducer with central lumen - SPR	2	Nos
1.133	Femoral Arterial Perfusion cannula (Pediatric) - 14F with depth marking, introducer with central lumen - SPR	2	Nos
1.134	Femoral Arterial Perfusion cannula (Adult) - 15F or 16F - with overall length of at least 30 cm with depth marking, introducer, preferably with central lumen & suitable guidewire (.038“) and vented connector - SPR	2	Nos
1.135	Femoral Arterial Perfusion cannula (Adult) - 17F or 18F - with overall length of at least 30 cm with depth marking, introducer, preferably with central lumen & suitable guidewire (.038“) and vented connector - SPR	20	Nos

1.136	Femoral Arterial Perfusion cannula (Adult) - 19F or 20F - with overall length of at least 30 cm with depth marking, introducer, preferably with central lumen & suitable guidewire (.038") and vented connector - SPR	20	Nos
1.137	Femoral Arterial Perfusion cannula (Adult) - 21F or 22F - with overall length of at least 30 cm with depth marking, introducer, preferably with central lumen & suitable guidewire (.038") and vented connector - SPR	20	Nos
1.138	Femoral Arterial Perfusion cannula (Adult) - 23F or 24F - with overall length of at least 30 cm with depth marking, introducer, preferably with central lumen & suitable guidewire (.038") and vented connector - SPR	5	Nos
1.139	Femoral Arterial Perfusion cannula (Adult) - 25F or 26F - with overall length of at least 30 cm with depth marking, introducer, preferably with central lumen & suitable guidewire (.038") and vented connector - SPR	1	Nos
1.140	Femoral Venous Perfusion cannula (Pediatric) - 8F - with Wire wound body,introducer & depth marking & overall length of at least 19 cm- SPR	2	Nos
1.141	Femoral Venous Perfusion cannula (Pediatric) - 10F - with Wire wound body,introducer & depth marking & overall length of at least 19 cm- SPR	2	Nos
1.142	Femoral Venous Perfusion cannula (Pediatric) - 12F - with Wire wound body,introducer & depth marking & overall length of at least 19 cm- SPR	2	Nos
1.143	Femoral Venous Perfusion cannula (Pediatric) - 14F - with Wire wound body,introducer & depth marking & overall length of at least 19 cm- SPR	2	Nos
1.144	Femoral Venous Perfusion cannula (Adult) -15F-or 16 F with multiple side holes, wire wound body, introducer & depth marking preferably with length of at least 50 cm - SPR	2	Nos
1.145	Femoral Venous Perfusion cannula (Adult) -17F-or 18 F with multiple side holes, wire wound body, introducer & depth marking preferably with length of at least 50 cm - SPR	4	Nos

1.146	Femoral Venous Perfusion cannula (Adult) -19F-or 20 F with multiple side holes, wire wound body, introducer & depth marking preferably with length of at least 50 cm - SPR	20	Nos
1.147	Femoral Venous Perfusion cannula (Adult) -21F-or 22 F with multiple side holes, wire wound body, introducer & depth marking preferably with length of at least 50 cm - SPR	20	Nos
1.148	Femoral Venous Perfusion cannula (Adult) -23F-or 24 F with multiple side holes, wire wound body, introducer & depth marking preferably with length of at least 50 cm - SPR	20	Nos
1.149	Femoral Venous Perfusion cannula (Adult) -25F-or 26 F with multiple side holes, wire wound body, introducer & depth marking preferably with length of at least 50 cm - SPR	10	Nos
1.150	Femoral Venous Perfusion cannula (Adult) -27F-or 28 F with multiple side holes, wire wound body, introducer & depth marking preferably with length of at least 50 cm - SPR	5	Nos
1.151	Femoral Venous Perfusion cannula (Adult) -29 F or 30F with multiple side holes, wire wound body, introducer & depth marking preferably with length of at least 50 cm - SPR	1	Nos
1.152	Cardio-plegic Cannula-Antegrade 3F (18G) with introducer needle, standard tip preferably with side holes - SPR	10	Nos
1.153	Cardio-plegic Cannula-Antegrade 4F with introducer needle, standard tip preferably with side holes - SPR	15	Nos
1.154	Cardio-plegic Cannula-Antegrade 5F (16G) with introducer needle, standard tip preferably with side holes - SPR	10	Nos

1.155	Cardio-plegic Cannula-Antegrade 6F or 7F (14G) with introducer needle, standard tip preferably with side holes - SPR	10	Nos
1.156	Cardio-plegic Cannula-Antegrade 8F or 9F (12G) with introducer needle, standard tip preferably with side holes - SPR	1	Nos
1.157	Cardio-plegic Cannula-Antegrade 11F with introducer needle, standard tip preferably with side holes - SPR	1	Nos
1.158	Cardioplegic Cannula-Antegrade with side limb - 4F with introducer needle, standard tip preferably with side holes and a side limb for venting - SPR	10	Nos
1.159	Cardioplegic Cannula-Antegrade with side limb - 5F (16G) with introducer needle, standard tip preferably with side holes and a side limb for venting - SPR	100	Nos
1.160	Cardioplegic Cannula-Antegrade with side limb - 6F or 7F (14G) with introducer needle, standard tip preferably with side holes and a side limb for venting - SPR	75	Nos
1.161	Cardioplegic Cannula-Antegrade with side limb - 8F or 9F (12G) with introducer needle, standard tip preferably with side holes and a side limb for venting - SPR	20	Nos
1.162	Cardioplegic Cannula-Antegrade with side limb - 11F with introducer needle, standard tip preferably with side holes and a side limb for venting - SPR	1	Nos
1.163	Cardioplegia cannula -Minimally Invasive Antegrade type with introducer needle with standard tip with a length of at least 30 cm- SPR	25	Nos
1.164	Cardioplegia cannula - Flexible Left Coronary Ostial straight tip type with soft silicone bulb /balloon of 12F (4mm) & tip of 2.1 mm -SPR	3	Nos

1.165	Cardioplegia cannula - Flexible Left Coronary Ostial straight tip type with soft silicone bulb /balloon of 15F (5mm) & tip of 2.1 mm-SPR	5	Nos
1.166	Cardioplegia cannula - Flexible Left Coronary Ostial straight tip type with soft silicone bulb /balloon of 18F (6mm) & tip of 3 mm-SPR	3	Nos
1.167	Cardioplegia cannula - Flexible Left Coronary Ostial straight tip type with soft silicone bulb /balloon of 21F (7mm) & tip of 3 mm-SPR	2	Nos
1.168	Cardioplegia cannula - Flexible Left Coronary Ostial straight tip type with soft silicone bulb /balloon of 24F (8mm) & tip of 3.5 mm-SPR	1	Nos
1.169	Cardioplegia cannula - Flexible Coronary Ostial right angled type with soft silicone bulb /balloon of 12F (4mm) & tip of 2.1 mm-SPR	3	Nos
1.170	Cardioplegia cannula - flexible Coronary Ostial right angled type with soft silicone bulb /balloon of 15F (5mm) & tip of 2.1 mm-SPR	5	Nos
1.171	Cardioplegia cannula - flexible Coronary Ostial right angled type with soft silicone bulb /balloon of 18F (6mm) & tip of 3 mm-SPR	3	Nos
1.172	Cardioplegia cannula - flexible Coronary Ostial right angled type with soft silicone bulb /balloon of 21F (7mm) & tip of 3 mm-SPR	2	Nos
1.173	Cardioplegia cannula - Flexible Coronary Ostial right angled type with soft silicone bulb /balloon of 24F (8mm) & tip of 3.5 mm-SPR	1	Nos
1.174	Cardioplegia cannula - Flexible Coronary Ostial Tapering type with soft self-inflating balloon - tip tapering from 27F (9mm) to 8F (2.7mm) and body encapsulated with malleable wire- SPR	5	Nos
1.175	Cardioplegia cannula - Rigid left Coronary Ostial type - 45 deg angled basket tip -10F (3.3mm) SPR	3	Nos

1.176	Cardioplegia cannula - Rigid left Coronary Ostial type - 45 deg angled basket tip - 12F (4mm) SPR	10	Nos
1.177	Cardioplegia cannula - Rigid left Coronary Ostial type - 45 deg angled basket tip -14F (4.7 mm)- SPR	10	Nos
1.178	Cardioplegia cannula - Rigid Right Coronary Ostial type -80-90 deg angled basket tip -10F (3.3mm) SPR	3	Nos
1.179	Cardioplegia cannula - Rigid Right Coronary Ostial type -80-90 deg angled basket tip - 12F (4mm) SPR	10	Nos
1.180	Cardioplegia cannula - Rigid Right Coronary Ostial type -80-90 deg angled basket tip -14F (4.7 mm)- SPR	10	Nos
1.181	Retrograde cardioplegia cannula (Coronary sinus) with Solid Stylet 13F - with auto-inflatable cuff & integral stop cock for pressure monitoring - Preferably wirewound body - SPR	10	Nos
1.182	Retrograde cardioplegia cannula (Coronary sinus) with Solid Stylet 15F - with auto-inflatable cuff & integral stop cock for pressure monitoring - Preferably wirewound body - SPR	10	Nos
1.183	Cardiac suction tip- (Mini sucker) soft flexible tapered tip - 9F (3mm) - with angled shaft - SPR	75	Nos
1.184	Cardiac suction tip- (Mini sucker) soft flexible tapered tip - 12F (3mm) - with angled shaft - SPR	100	Nos
1.185	Intra-cardiac suction tip- Rigid - 20F (6.7mm) fluted pool tip - with 16F (5.3mm) - angled metal shaft at least 15 cm long - SPR	15	Nos

1.186	Frazier tip- suction - Small & short 6F tip & shaft - about 7.5cm long - SPR	10	Nos
1.187	Frazier tip- suction - Small & long 6F tip & shaft - about 15cm long - SPR	20	Nos
1.188	Frazier tip- suction - Large -10 F tip & shaft - about 10 cm long - SPR	20	Nos
1.189	Intracardiac / pericardial sump suction Type 1: 20 F tip with metal weighted perforated pool tip & flexible tubing at least 30 cm long - SPR	10	Nos
1.190	Intracardiac / pericardial sump suction Type 2: 12 F tip with metal weighted perforated pool tip & flexible tubing at least 30 cm long - SPR	10	Nos
1.191	Intracardiac / pericardial sump suction Type 3: 20 F tip with spring encased fluted pool tip & flexible tubing at least 30 cm long terminating into a 1/4" connector - SPR	10	Nos
1.192	Left Heart Vent Catheter (type 1) PVC tip with malleable body 10F (3.3 mm) with vented connector - SPR	50	Nos
1.193	Left Heart Vent Catheter (type 1) PVC tip with malleable body 13F (4.3 mm) with vented connector - SPR	50	Nos
1.194	Left Heart Vent Catheter (type 1) PVC tip with malleable body 15F (5 mm) with vented connector - SPR	50	Nos
1.195	Left Heart Vent Catheter (type2) Silicone tip with malleable introducer 16F (5.3 mm)- SPR	50	Nos

1.196	Left Heart Vent Catheter (type2) Silicone tip with malleable introducer 20F (6.7 mm)- SPR	50	Nos
1.197	Left atrial pressure monitoring catheter - 3F (1mm) = 20 G set of at least 50 cm long with depth markings, attached to a female luer, peelaway needle tip and a self adhesive anchoring collar for securing the catheter at the desired location - SPR.	25	Nos
1.198	Left atrial pressure monitoring catheter - 4F (1.43mm) = 17 G set of at least 50 cm long with depth markings, attached to a female luer, peelaway needle tip and a self adhesive anchoring collar for securing the catheter at the desired location - SPR.	25	Nos
1.199	Left atrial pressure monitoring catheter - 5F (1.7mm) = 15 G set of at least 50 cm long with depth markings, attached to a female luer, peelaway needle tip and a self adhesive anchoring collar for securing the catheter at the desired location - SPR.	25	Nos
1.200	Disposable Yankur suction cannula with transparent connecting tube of at least 1 meter long	200	Nos
1.201	Red rubber latex catheters - 8F for vessel snugging - High quality and tension resistant body - at least 16" long overall. -SPR	50	Nos
1.202	Red rubber latex catheters - 8F for vessel snugging - High quality and tension resistant body - at least 16" long overall. -SPR	50	Nos
1.203	Red rubber latex catheters - 10F for vessel snugging - High quality and tension resistant body - at least 16" long overall. -SPR	100	Nos
1.204	Red rubber latex catheters - 12F for vessel snugging - High quality and tension resistant body - at least 16" long overall. -SPR	50	Nos

1.205	Red rubber latex catheters - 14F for vessel snugging - High quality and tension resistant body - at least 16" long overall. -SPR	50	Nos
1.206	Red rubber latex catheters - 16F for vessel snugging - High quality and tension resistant body - at least 16" long overall. -SPR	50	Nos
1.207	Vascular tourniquet (Snugger) set Adult (7" long) for open heart surgery - color coded 4 tubes with one snare- for snugging the purse string sutures during open heart procedures - SPR	500	Nos
1.208	Vascular tourniquet (Snugger) set Pediatric (6" long) for open heart surgery - color coded 4 tubes with one snare- for snugging the purse string sutures during open heart procedures - SPR	250	Nos
1.209	Silicone vessel (vascular) loop - Large size sterile medical grade radioopaque silicone loop 2 to 2.5 mm wide , < 1.2 mm thick & at least 40 cm long. for encircling the blood vessels during dissection. To be available in at least 3-4 colors (in each size) - preferably individual loop packed in a separate foil. The cost of a single loop will be taken for comparison purpose and hence the number of loops present in a single pack needs to be mentioned -SPR	50	Nos
1.210	Silicone vessel (vascular) loop - Small size sterile medical grade radioopaque silicone loop 1 to 1.3 mm wide, < 1 mm thick & at least 40 cm long. for encircling the blood vessels during dissection. To be available in at least 3-4 colors (in each size) - preferably individual loop packed in a separate foil. The cost of a single loop will be taken for comparison purpose and hence the number of loops present in a single pack needs to be mentioned -SPR	50	Nos
1.211	Silicone vessel (vascular) loop - Tiny size sterile medical grade radioopaque silicone loop 0.5 mm wide, < 0.4 mm thick & at least 40 cm long. for encircling the blood vessels during dissection. To be available in at least 3-4 colors (in each size) - preferably individual loop packed in a separate foil. The cost of a single loop will be taken for comparison purpose and hence the number of loops present in a single pack needs to be mentioned -SPR	50	Nos
1.212	Air-cushioned - Silicone vessel (vascular) loop with needle - medical grade silicone loop with hollow interior for the air-cushion effect - with the maximum diameter of the loop less than 1.3 mm (thickness) and at least 25 cm long - SPR	10	Nos

1.213	Temporary Epi-myocardial Pacing wire - Adult type - at least 60 cm long for intraoperative placement during cardiac surgery- Incorporating a straight cutting needle of at least 60 mm long with 'breakaway' feature enabling the remaining butt to be used as a connecting plug to the Pace maker. The other end of the wire should have 25 to 27 mm tapercut 1/2 circle needle -SPR	600	Nos
1.214	Temporary Epi-myocardial Pacing wire - Pediatric type - at least 60 cm long for intraoperative placement during cardiac surgery- Incorporating a straight cutting needle of at least 60 mm long with 'breakaway' feature enabling the remaining butt to be used as a connecting plug to the Pace maker. The other end of the wire should have 16 to 18 mm tapercut 1/2 circle needle -SPR	300	Nos
1.215	Sternal closure polymer bands Sterile bands (of less than 5 mm width) made of biocompatible & MRI compatible poly-ether-ether-ketone polymer substance in a pack of 5 bands - These bands must be amenable for being cut open with standard wire cutters in case of sternal re-entry procedures.	50	Nos
1.216	Coronary shunts (silicon type) 1 mmm - for intra-operative use for CABG (Coronary Artery Bypass Graft) – with beveled & bulbed tips –with 14 mm long & clear shaft. SPR	20	Nos
1.217	Coronary shunts (silicon type) 1.25 mmm - for intra-operative use for CABG (Coronary Artery Bypass Graft) – with beveled & bulbed tips –with 14 mm long & clear shaft. SPR	50	Nos
1.218	Coronary shunts (silicon type) 1.5 mmm - for intra-operative use for CABG (Coronary Artery Bypass Graft) – with beveled & bulbed tips –with 14 mm long & clear shaft. SPR	50	Nos
1.219	Coronary shunts (silicon type) 1.75 mmm - for intra-operative use for CABG (Coronary Artery Bypass Graft) – with beveled & bulbed tips –with 14 mm long & clear shaft. SPR	50	Nos

1.220	Coronary shunts (silicon type) 2 mm - for intra-operative use for CABG (Coronary Artery Bypass Graft) – with beveled & bulbed tips –with 14 mm long & clear shaft. SPR	50	Nos
1.221	Disposable Aortic -Vascular Punch 2.5 to 2.8 mm - with smooth telescoping movement & adequate finger grip mechanism. SPR	10	Nos
1.222	Disposable Aortic -Vascular Punch 3 mm - with smooth telescoping movement & adequate finger grip mechanism. SPR	50	Nos
1.223	Disposable Aortic -Vascular Punch 3.5 mm - with smooth telescoping movement & adequate finger grip mechanism. SPR	50	Nos
1.224	Disposable Aortic -Vascular Punch 4 mm - with smooth telescoping movement & adequate finger grip mechanism. SPR	25	Nos
1.225	Angled Disposable Bull Dog Type Vascular clamp- Type A with clamping pressure of 10-15G used for CABG. . Should be radiopaque & light weight with atraumatic jaw types - SPR .	50	Nos
1.226	Angled Disposable Bull Dog Type Vascular clamp- Type B with clamping pressure of 20-25G used for CABG. . Should be radiopaque & light weight with atraumatic jaw types - SPR .	50	Nos
1.227	Angled Disposable Bull Dog Type Vascular clamp- Type C with clamping pressure of 75-80G used for CABG. . Should be radiopaque & light weight with atraumatic jaw types - SPR .	50	Nos
1.228	Angled Disposable Bull Dog Type Vascular clamp- Type D with clamping pressure of 165-175G used for CABG. . Should be radiopaque & light weight with atraumatic jaw types - SPR .	50	Nos

1.229	Suction based Cardiac Stabilizer - Retracting arm unit type (Octopus like) for OPCAB (off pump coronary artery bypass). The retracting arms unit should have surgeon controlled pod-spread, allowance for multiple device positions including pods-up, pods-down and pods-to-the-side applications, one-handed engagement of clamp and turret assembly.	20	Nos
1.230	Suction based Cardiac Stabilizer - Apex positioner (Starfish like) for OPCAB (off pump coronary artery bypass). Should enhance lifting the apex of the heart and fixing to any position.	20	Nos
1.231	Mist blowing device for OPCAB (off pump coronary artery bypass). With fluid/gas mixing technology creating a consistent, predictable blood clearing mist. On/off control in hand-piece - Malleable shaft - Specialized nozzle, utilizing a micro-orifice for fluid delivery and a separate orifice for gas delivery - SPR	20	Nos
1.232	Vessel cannula - 3 mm tip - with stepped contour - transparent body & a female luer at one end for checking the patency and leak in the harvested grafts - length about 5 cm SPR. transparent body & a female luer at one end for checking the patency and leak in the harvested grafts - length about 5 cm SPR.	150	Nos
1.233	Vessel cannula - 2 mm tip - with stepped contour - transparent body & a female luer at one end for checking the patency and leak in the harvested grafts - length about 5 cm SPR. transparent body & a female luer at one end for checking the patency and leak in the harvested grafts - length about 5 cm SPR.	150	Nos
1.234	IMA (Internal Mammary Arterial) cannula -1mm - with bulb shaped tip for checking patency of the artery	20	Nos
1.235	Arteriotomy cannula - 2 mm with polyurethane tube with a bulb shaped tip connected to a winged female luer about 5 cm long - SPR	20	Nos
1.236	Custom made Elastic Stockings for lower limbs with suitable applier - made up of a mix of cotton, polyamide & elastane. (Quote only the price of a single stocking not of a pair) for patients after venous harvest or with varicose veins - SPR	100	Nos

2.000	<p>Valves General Instructions</p> <p>The valves have to be supplied on consignment basis such that - a stock of one valve in each size should be made available in the user area (CTVS-OT) and after the utilization of a valve of particular size, the same has to be replaced to fill the stock by the firm who supplied the valve. The information of utilization of the valve has to be conveyed to the supplier by the storekeeper who in turn will be informed by the SNO of CTVS OT.</p>		
2.237	<p>Tilting Disc Aortic valve 18/19 mm. The valve should be rotatable after seating. Valve to be supplied with the suitable holder. Two sets of valve sizer & valve tester have to be supplied with suitable trays (irrespective of the number of valves purchased) for the year</p>	30	Nos
2.238	<p>Tilting Disc Aortic valve 20/21 mm. The valve should be rotatable after seating. Valve to be supplied with the suitable holder. Two sets of valve sizer & valve tester have to be supplied with suitable trays (irrespective of the number of valves purchased) for the year</p>	70	Nos
2.239	<p>Tilting Disc Aortic valve 22/23 mm. The valve should be rotatable after seating. Valve to be supplied with the suitable holder. Two sets of valve sizer & valve tester have to be supplied with suitable trays (irrespective of the number of valves purchased) for the year</p>	40	Nos
2.240	<p>Tilting Disc Aortic valve 24/25 mm. The valve should be rotatable after seating. Valve to be supplied with the suitable holder. Two sets of valve sizer & valve tester have to be supplied with suitable trays (irrespective of the number of valves purchased) for the year</p>	15	Nos
2.241	<p>Tilting Disc Mitral valve 25/26 mm. The valve should be rotatable after seating. Valve to be supplied with the suitable holder. Two sets of valve sizer & valve tester have to be supplied with suitable trays (irrespective of the number of valves purchased) for the year</p>	50	Nos
2.242	<p>Tilting Disc Mitral valve 27/28 mm. The valve should be rotatable after seating. Valve to be supplied with the suitable holder. Two sets of valve sizer & valve tester have to be supplied with suitable trays (irrespective of the number of valves purchased) for the year</p>	100	Nos
2.243	<p>Tilting Disc Mitral valve 29/30 mm. The valve should be rotatable after seating. Valve to be supplied with the suitable holder. Two sets of valve sizer & valve tester have to be supplied with suitable trays (irrespective of the number of valves purchased) for the year</p>	50	Nos

2.244	Tilting Disc Mitral valve 31/32 mm. The valve should be rotatable after seating. Valve to be supplied with the suitable holder. Two sets of valve sizer & valve tester have to be supplied with suitable trays (irrespective of the number of valves purchased) for the year	20	Nos
2.245	Bileaflet Aortic valve 16/17 mm To be supplied with the suitable holder, sizer and leaflet tester have to be supplied along with the valve. Purchase will be made individually whenever necessary on SOS basis (Consignment mode).	1	Nos
2.246	Bileaflet Aortic valve 18/19 mm To be supplied with the suitable holder, sizer and leaflet tester have to be supplied along with the valve. Purchase will be made individually whenever necessary on SOS basis (Consignment mode).	1	Nos
2.247	Bileaflet Aortic valve 20/21 mm To be supplied with the suitable holder, sizer and leaflet tester have to be supplied along with the valve. Purchase will be made individually whenever necessary on SOS basis (Consignment mode).	1	Nos
2.248	Bileaflet Aortic valve 22/23 mm To be supplied with the suitable holder, sizer and leaflet tester have to be supplied along with the valve. Purchase will be made individually whenever necessary on SOS basis (Consignment mode).	1	Nos
2.249	Bileaflet Aortic valve 24/25 mm To be supplied with the suitable holder, sizer and leaflet tester have to be supplied along with the valve. Purchase will be made individually whenever necessary on SOS basis (Consignment mode).	1	Nos
2.250	Bileaflet Aortic valve 26/27 mm To be supplied with the suitable holder, sizer and leaflet tester have to be supplied along with the valve. Purchase will be made individually whenever necessary on SOS basis (Consignment mode).	1	Nos
2.251	Bileaflet Mitral valve 16/17 mm To be supplied with the suitable holder, sizer and leaflet tester have to be supplied along with the valve. Purchase will be made individually whenever necessary on SOS basis (Consignment mode).	1	Nos
2.252	Bileaflet Mitral valve 18/19 mm To be supplied with the suitable holder, sizer and leaflet tester have to be supplied along with the valve. Purchase will be made individually whenever necessary on SOS basis (Consignment mode).	1	Nos
2.253	Bileaflet Mitral valve 20/21 mm To be supplied with the suitable holder, sizer and leaflet tester have to be supplied along with the valve. Purchase will be made individually whenever necessary on SOS basis (Consignment mode).	1	Nos

2.254	Bileaflet Mitral valve 22/23 mm To be supplied with the suitable holder, sizer and leaflet tester have to be supplied along with the valve. Purchase will be made individually whenever necessary on SOS basis (Consignment mode).	1	Nos
2.255	Bileaflet Mitral valve 24/25 mm To be supplied with the suitable holder, sizer and leaflet tester have to be supplied along with the valve. Purchase will be made individually whenever necessary on SOS basis (Consignment mode).	1	Nos
2.256	Bileaflet Mitral valve 26/27 mm To be supplied with the suitable holder, sizer and leaflet tester have to be supplied along with the valve. Purchase will be made individually whenever necessary on SOS basis (Consignment mode).	1	Nos
2.257	Bileaflet Mitral valve 28/29 mm To be supplied with the suitable holder, sizer and leaflet tester have to be supplied along with the valve. Purchase will be made individually whenever necessary on SOS basis (Consignment mode).	1	Nos
2.258	Bileaflet Mitral valve 30/31 mm To be supplied with the suitable holder, sizer and leaflet tester have to be supplied along with the valve. Purchase will be made individually whenever necessary on SOS basis (Consignment mode).	1	Nos
2.259	Bovine pericardial stented bioprosthetic aortic valve 19/20 mm of the Latest generation technology of the quoted brand with lowest profile height & lowest stent base. With suture markers & contoured and compliant sewing ring with the smallest possible diameter. To be supplied with holder & sizer set. Purchase will be made individually whenever necessary - S.O.S. on consignment basis (i.e different sizes are brought for a procedure - payment will be effected for the size utilized - the other size valves will be returned)	1	Nos
2.260	Bovine pericardial stented bioprosthetic aortic valve 21/22 mm of the Latest generation technology of the quoted brand with lowest profile height & lowest stent base. With suture markers & contoured and compliant sewing ring with the smallest possible diameter. To be supplied with holder & sizer set. Purchase will be made individually whenever necessary - S.O.S. on consignment basis (i.e different sizes are brought for a procedure - payment will be effected for the size utilized - the other size valves will be returned)	1	Nos

2.261	<p>Bovine pericardial stented bioprosthetic aortic valve 23/24 mm of the Latest generation technology of the quoted brand with lowest profile height & lowest stent base.</p> <p>With suture markers & contoured and compliant sewing ring with the smallest possible diameter.</p> <p>To be supplied with holder & sizer set. Purchase will be made individually whenever necessary - S.O.S. on consignment basis (i.e different sizes are brought for a procedure - payment will be effected for the size utilized - the other size valves will be returned)</p>	1	Nos
2.262	<p>Bovine pericardial stented bioprosthetic aortic valve 25/26 mm of the Latest generation technology of the quoted brand with lowest profile height & lowest stent base.</p> <p>With suture markers & contoured and compliant sewing ring with the smallest possible diameter.</p> <p>To be supplied with holder & sizer set. Purchase will be made individually whenever necessary - S.O.S. on consignment basis (i.e different sizes are brought for a procedure - payment will be effected for the size utilized - the other size valves will be returned)</p>	1	Nos
2.263	<p>Bovine pericardial stented bioprosthetic aortic valve 27/28 mm of the Latest generation technology of the quoted brand with lowest profile height & lowest stent base. With suture markers & contoured and compliant sewing ring with the smallest possible diameter.</p> <p>To be supplied with holder & sizer set. Purchase will be made individually whenever necessary - S.O.S. on consignment basis (i.e different sizes are brought for a procedure - payment will be effected for the size utilized - the other size valves will be returned)</p>	1	Nos
2.264	<p>Bovine pericardial stented bioprosthetic aortic valve 29/30 mm of the Latest generation technology of the quoted brand with lowest profile height & lowest stent base. With suture markers & contoured and compliant sewing ring with the smallest possible diameter.</p> <p>To be supplied with holder & sizer set. Purchase will be made individually whenever necessary - S.O.S. on consignment basis (i.e different sizes are brought for a procedure - payment will be effected for the size utilized - the other size valves will be returned)</p>	1	Nos
2.265	<p>Bovine pericardial stented bioprosthetic Mitral valve 25/26 mm of the Latest generation technology of the quoted brand with low profile supra-annular fit valve with asymmetric design to position the posterior strut away from LV wall. To be supplied with holder & sizer set. Purchase will be made individually whenever necessary - S.O.S. on consignment basis (i.e different sizes are brought for a procedure - payment will be effected for the size utilized - the other size valves will be returned)</p>	1	Nos
2.266	<p>Bovine pericardial stented bioprosthetic Mitral valve 27/28 mm of the Latest generation technology of the quoted brand with low profile supra-annular fit valve with asymmetric design to position the posterior strut away from LV wall. To be supplied with holder & sizer set. Purchase will be made individually whenever necessary - S.O.S. on consignment basis (i.e different sizes are brought for a procedure - payment will be effected for the size utilized - the other size valves will be returned)</p>	1	Nos

2.267	<p>Bovine pericardial stented bioprosthetic Mitral valve 29/30 mm of the Latest generation technology of the quoted brand with low profile supra-annular fit valve with asymmetric design to position the posterior strut away from LV wall. To be supplied with holder & sizer set. Purchase will be made individually whenever necessary - S.O.S. on consignment basis (i.e different sizes are brought for a procedure - payment will be effected for the size utilized - the other size valves will be returned)</p>	1	Nos
2.268	<p>Bovine pericardial stented bioprosthetic Mitral valve 31/32 mm of the Latest generation technology of the quoted brand with low profile supra-annular fit valve with asymmetric design to position the posterior strut away from LV wall. To be supplied with holder & sizer set. Purchase will be made individually whenever necessary - S.O.S. on consignment basis (i.e different sizes are brought for a procedure - payment will be effected for the size utilized - the other size valves will be returned)</p>	1	Nos
2.269	<p>Bovine pericardial stented bioprosthetic Mitral valve 33/34 mm of the Latest generation technology of the quoted brand with low profile supra-annular fit valve with asymmetric design to position the posterior strut away from LV wall. To be supplied with holder & sizer set. Purchase will be made individually whenever necessary - S.O.S. on consignment basis (i.e different sizes are brought for a procedure - payment will be effected for the size utilized - the other size valves will be returned)</p>	1	Nos
2.270	<p>Porcine stented bioprosthetic aortic valve 19/20 mm of the Latest generation technology of the quoted brand with lowest profile height & lowest stent base. With suture markers & contoured and compliant sewing ring with the smallest possible diameter. To be supplied with holder & sizer set. Purchase will be made individually whenever necessary - S.O.S. on consignment basis (i.e different sizes are brought for a procedure - payment will be effected for the size utilized - the other size valves will be returned)</p>	1	Nos
2.271	<p>Porcine stented bioprosthetic aortic valve 21/22 mm of the Latest generation technology of the quoted brand with lowest profile height & lowest stent base. With suture markers & contoured and compliant sewing ring with the smallest possible diameter. To be supplied with holder & sizer set. Purchase will be made individually whenever necessary - S.O.S. on consignment basis (i.e different sizes are brought for a procedure - payment will be effected for the size utilized - the other size valves will be returned)</p>	1	Nos
2.272	<p>Porcine stented bioprosthetic aortic valve 23/24 mm of the Latest generation technology of the quoted brand with lowest profile height & lowest stent base. With suture markers & contoured and compliant sewing ring with the smallest possible diameter. To be supplied with holder & sizer set. Purchase will be made individually whenever necessary - S.O.S. on consignment basis (i.e different sizes are brought for a procedure - payment will be effected for the size utilized - the other size valves will be returned)</p>	1	Nos

2.273	<p>Porcine stented bioprosthetic aortic valve 25/26 mm of the Latest generation technology of the quoted brand with lowest profile height & lowest stent base. With suture markers & contoured and compliant sewing ring with the smallest possible diameter.</p> <p>To be supplied with holder & sizer set. Purchase will be made individually whenever necessary - S.O.S. on consignment basis (i.e different sizes are brought for a procedure - payment will be effected for the size utilized - the other size valves will be returned)</p>	1	Nos
2.274	<p>Porcine stented bioprosthetic aortic valve 27/28 mm of the Latest generation technology of the quoted brand with lowest profile height & lowest stent base. With suture markers & contoured and compliant sewing ring with the smallest possible diameter.</p> <p>To be supplied with holder & sizer set. Purchase will be made individually whenever necessary - S.O.S. on consignment basis (i.e different sizes are brought for a procedure - payment will be effected for the size utilized - the other size valves will be returned)</p>	1	Nos
2.275	<p>Porcine stented bioprosthetic aortic valve 29/30 mm of the Latest generation technology of the quoted brand with lowest profile height & lowest stent base. With suture markers & contoured and compliant sewing ring with the smallest possible diameter.</p> <p>To be supplied with holder & sizer set. Purchase will be made individually whenever necessary - S.O.S. on consignment basis (i.e different sizes are brought for a procedure - payment will be effected for the size utilized - the other size valves will be returned)</p>	1	Nos
2.276	<p>Porcine stented bioprosthetic Mitral valve 25/26 mm of the Latest generation technology of the quoted brand with low profile with asymmetric design to position the posterior strut away from LV wall. To be supplied with holder & sizer set. Purchase will be made individually whenever necessary - S.O.S. on consignment basis (i.e different sizes are brought for a procedure - payment will be effected for the size utilized - the other size valves will be returned)</p>	1	Nos
2.277	<p>Porcine stented bioprosthetic Mitral valve 27/28 mm of the Latest generation technology of the quoted brand with low profile with asymmetric design to position the posterior strut away from LV wall.</p> <p>To be supplied with holder & sizer set. Purchase will be made individually whenever necessary - S.O.S. on consignment basis (i.e different sizes are brought for a procedure - payment will be effected for the size utilized - the other size valves will be returned)</p>	1	Nos
2.278	<p>Porcine stented bioprosthetic Mitral valve 29/30 mm of the Latest generation technology of the quoted brand with low profile with asymmetric design to position the posterior strut away from LV wall.</p> <p>To be supplied with holder & sizer set. Purchase will be made individually whenever necessary - S.O.S. on consignment basis (i.e different sizes are brought for a procedure - payment will be effected for the size utilized - the other size valves will be returned)</p>	1	Nos

2.279	<p>Porcine stented bioprosthetic Mitral valve 31/32 mm of the Latest generation technology of the quoted brand with low profile with asymmetric design to position the posterior strut away from LV wall.</p> <p>To be supplied with holder & sizer set. Purchase will be made individually whenever necessary - S.O.S. on consignment basis (i.e different sizes are brought for a procedure - payment will be effected for the size utilized - the other size valves will be returned)</p>	1	Nos
2.280	<p>Porcine stented bioprosthetic Mitral valve 33/34 mm of the Latest generation technology of the quoted brand with low profile with asymmetric design to position the posterior strut away from LV wall. To be supplied with holder & sizer set. Purchase will be made individually whenever necessary - S.O.S. on consignment basis (i.e different sizes are brought for a procedure - payment will be effected for the size utilized - the other size valves will be returned)</p>	1	Nos
2.281	<p>Stentless bioprosthetic conduit aortic root with valve - 19/20 mm for Bentall Operation.</p> <p>To be supplied with holder & sizer set. Purchase will be made individually whenever necessary - S.O.S. on consignment basis (i.e different sizes are brought for a procedure - payment will be effected for the size utilized - the other size valves will be returned)</p>	1	Nos
2.282	<p>Stentless bioprosthetic conduit aortic root with valve - 21/22 mm for Bentall Operation.</p> <p>To be supplied with holder & sizer set. Purchase will be made individually whenever necessary - S.O.S. on consignment basis (i.e different sizes are brought for a procedure - payment will be effected for the size utilized - the other size valves will be returned)</p>	1	Nos
2.283	<p>Stentless bioprosthetic conduit aortic root with valve - 23/24 mm for Bentall Operation.</p> <p>To be supplied with holder & sizer set. Purchase will be made individually whenever necessary - S.O.S. on consignment basis (i.e different sizes are brought for a procedure - payment will be effected for the size utilized - the other size valves will be returned)</p>	1	Nos

2.284	<p>Stentless bioprosthetic conduit aortic root with valve - 25/26 mm for Bentall Operation.</p> <p>To be supplied with holder & sizer set. Purchase will be made individually whenever necessary - S.O.S. on consignment basis (i.e different sizes are brought for a procedure - payment will be effected for the size utilized - the other size valves will be returned)</p>	1	Nos
2.285	<p>Stentless bioprosthetic conduit aortic root with valve - 27/28 mm for Bentall Operation.</p> <p>To be supplied with holder & sizer set. Purchase will be made individually whenever necessary - S.O.S. on consignment basis (i.e different sizes are brought for a procedure - payment will be effected for the size utilized - the other size valves will be returned)</p>	1	Nos
2.286	<p>Stentless bioprosthetic conduit aortic root with valve - 29/30 mm for Bentall Operation.</p> <p>To be supplied with holder & sizer set. Purchase will be made individually whenever necessary - S.O.S. on consignment basis (i.e different sizes are brought for a procedure - payment will be effected for the size utilized - the other size valves will be returned)</p>	1	Nos
2.287	<p>Bioprosthetic valved conduit (bovine jugular) for Right ventricular to pulmonary arterial conduit. Valve size : 12/13 mm.</p> <p>Purchase will be made individually whenever necessary - S.O.S. on consignment basis (i.e different sizes are brought for a procedure - payment will be effected for the size utilized - the other size will be returned)</p>	1	Nos

2.288	<p>Bioprosthetic valved conduit (bovine jugular) for Right ventricular to pulmonary arterial conduit. Valve size : 14/15 mm.</p> <p>Purchase will be made individually whenever necessary - S.O.S. on consignment basis (i.e different sizes are brought for a procedure - payment will be effected for the size utilized - the other size will be returned)</p>	1	Nos
2.289	<p>Bioprosthetic valved conduit (bovine jugular) for Right ventricular to pulmonary arterial conduit. Valve size : 16/17 mm.</p> <p>Purchase will be made individually whenever necessary - S.O.S. on consignment basis (i.e different sizes are brought for a procedure - payment will be effected for the size utilized - the other size will be returned)</p>	1	Nos
2.290	<p>Bioprosthetic valved conduit (bovine jugular) for Right ventricular to pulmonary arterial conduit. Valve size : 18/19 mm.</p> <p>Purchase will be made individually whenever necessary - S.O.S. on consignment basis (i.e different sizes are brought for a procedure - payment will be effected for the size utilized - the other size will be returned)</p>	1	Nos
2.291	<p>Bioprosthetic valved conduit (bovine jugular) for Right ventricular to pulmonary arterial conduit. Valve size : 20/21 mm.</p> <p>Purchase will be made individually whenever necessary - S.O.S. on consignment basis (i.e different sizes are brought for a procedure - payment will be effected for the size utilized - the other size will be returned)</p>	1	Nos

2.292	<p>Prosthetic Composite Aortic Valved Conduits with valve size 18/19 mm for Bental operation.</p> <p>Should be incorporated with prosthetic bileaflet valve mounted on to collagen impregnated synthetic tube grafts.</p> <p>Should be supplied with valve holder, valve sizer & cauterizing loop for creating perforation in the graft. Purchase will be made individually whenever necessary - S.O.S. on consignment basis (i.e different sizes are brought for a procedure - payment will be effected for the size utilized - the other size will be returned) .</p> <p>Only 1 number in each size will be in the shelf and purchased as a set during teh first purchase - as a stock for emergency</p>	1	Nos
2.293	<p>Prosthetic Composite Aortic Valved Conduits with valve size 20/21 mm for Bental operation.</p> <p>Should be incorporated with prosthetic bileaflet valve mounted on to collagen impregnated synthetic tube grafts. Should be supplied with valve holder, valve sizer & cauterizing loop for creating perforation in the graft.</p> <p>Purchase will be made individually whenever necessary - S.O.S. on consignment basis (i.e different sizes are brought for a procedure - payment will be effected for the size utilized - the other size will be returned) .</p> <p>Only 1 number in each size will be in the shelf and purchased as a set during teh first purchase - as a stock for emergency</p>	2	Nos
2.294	<p>Prosthetic Composite Aortic Valved Conduits with valve size 22/23 mm for Bental operation. Should be incorporated with prosthetic bileaflet valve mounted on to collagen impregnated synthetic tube grafts. Should be supplied with valve holder, valve sizer & cauterizing loop for creating perforation in the graft. Purchase will be made individually whenever necessary - S.O.S. on consignment basis (i.e different sizes are brought for a procedure - payment will be effected for the size utilized - the other size will be returned) .</p> <p>Only 1 number in each size will be in the shelf and purchased as a set during teh first purchase - as a stock for emergency</p>	3	Nos
2.295	<p>Prosthetic Composite Aortic Valved Conduits with valve size 24/25 mm for Bental operation. Should be incorporated with prosthetic bileaflet valve mounted on to collagen impregnated synthetic tube grafts. Should be supplied with valve holder, valve sizer & cauterizing loop for creating perforation in the graft. Purchase will be made individually whenever necessary - S.O.S. on consignment basis (i.e different sizes are brought for a procedure - payment will be effected for the size utilized - the other size will be returned) .</p> <p>Only 1 number in each size will be in the shelf and purchased as a set during teh first purchase - as a stock for emergency</p>	3	Nos

2.296	<p>Prosthetic Composite Aortic Valved Conduits with valve size 26/27 mm for Bental operation. Should be incorporated with prosthetic bileaflet valve mounted on to collagen impregnated synthetic tube grafts. Should be supplied with valve holder, valve sizer & cauterizing loop for creating perforation in the graft. Purchase will be made individually whenever necessary - S.O.S. on consignment basis (i.e different sizes are brought for a procedure - payment will be effected for the size utilized - the other size will be returned) . Only 1 number in each size will be in the shelf and purchased as a set during teh first purchase - as a stock for emergency</p>	2	Nos
2.297	<p>Prosthetic Composite Aortic Valved Conduits with valve size 28/29 mm for Bental operation. Should be incorporated with prosthetic bileaflet valve mounted on to collagen impregnated synthetic tube grafts. Should be supplied with valve holder, valve sizer & cauterizing loop for creating perforation in the graft. Purchase will be made individually whenever necessary - S.O.S. on consignment basis (i.e different sizes are brought for a procedure - payment will be effected for the size utilized - the other size will be returned) . Only 1 number in each size will be in the shelf and purchased as a set during teh first purchase - as a stock for emergency</p>	1	Nos
2.298	<p>Ophthalmic cautery - sterile , disposable & battery operated for making perfect holes in the prosthetic vascular grafts</p>	30	Nos
2.299	<p>Annuloplasty complete ring for mitral valve. Size : 23/24 mm Near anatomical contour with asymmetric remodelling design. Should be supplied with suitable holder & sizer. Purchase will be made individually whenever necessary - S.O.S.on consignment basis (i.e different sizes are brought for a procedure - payment will be effected for the size utilized - the other size will be returned) . A set of one number in each size will be purchase at first and remain in the shelf for emergency.</p>	2	Nos
2.300	<p>Annuloplasty complete ring for mitral valve. Size : 25/26 mm Near anatomical contour with asymmetric remodelling design. Should be supplied with suitable holder & sizer. Purchase will be made individually whenever necessary - S.O.S.on consignment basis (i.e different sizes are brought for a procedure - payment will be effected for the size utilized - the other size will be returned) . A set of one number in each size will be purchase at first and remain in the shelf for emergency.</p>	2	Nos

2.301	<p>Annuloplasty complete ring for mitral valve. Size : 27/28 mm Near anatomical contour with asymmetric remodelling design. Should be supplied with suitable holder & sizer.</p> <p>Purchase will be made individually whenever necessary - S.O.S.on consignment basis (i.e different sizes are brought for a procedure - payment will be effected for the size utilized - the other size will be returned) .</p> <p>A set of one number in each size will be purchase at first and remain in the shelf for emergency.</p>	3	Nos
2.302	<p>Annuloplasty complete ring for mitral valve. Size : 29/30 mm Near anatomical contour with asymmetric remodelling design.</p> <p>Should be supplied with suitable holder & sizer. Purchase will be made individually whenever necessary - S.O.S.on consignment basis (i.e different sizes are brought for a procedure - payment will be effected for the size utilized - the other size will be returned) .</p> <p>A set of one number in each size will be purchase at first and remain in the shelf for emergency.</p>	3	Nos
2.303	<p>Annuloplasty complete ring for mitral valve. Size : 31/32 mm Near anatomical contour with asymmetric remodelling design. Should be supplied with suitable holder & sizer.</p> <p>Purchase will be made individually whenever necessary - S.O.S.on consignment basis (i.e different sizes are brought for a procedure - payment will be effected for the size utilized - the other size will be returned) .</p> <p>A set of one number in each size will be purchase at first and remain in the shelf for emergency.</p>	2	Nos
2.304	<p>Annuloplasty complete ring for mitral valve. Size : 33/34 mm Near anatomical contour with asymmetric remodelling design. Should be supplied with suitable holder & sizer. Purchase will be made individually whenever necessary - S.O.S.on consignment basis (i.e different sizes are brought for a procedure - payment will be effected for the size utilized - the other size will be returned) . A set of one number in each size will be purchase at first and remain in the shelf for emergency.</p>	2	Nos
2.305	<p>Annuloplasty complete ring for mitral valve. Size : 35/36 mm</p> <p>Near anatomical contour with asymmetric remodelling design. Should be supplied with suitable holder & sizer.</p> <p>Purchase will be made individually whenever necessary - S.O.S.on consignment basis (i.e different sizes are brought for a procedure - payment will be effected for the size utilized - the other size will be returned) .</p> <p>A set of one number in each size will be purchase at first and remain in the shelf for emergency.</p>	1	Nos
2.306	<p>Annuloplasty ring for Tricuspid valve incomplete ring type - (largest inner diameter being: 25/26 mm.</p> <p>Near anatomical contour with downward angle at septal end.</p> <p>Should be supplied with suitable holder & sizer .</p> <p>Purchase will be made individually whenever necessary - S.O.S. on consignment basis (i.e different sizes are brought for a procedure - payment will be effected for the size utilized - the other size will be returned) A set of one number in each size will be purchase at first and remain in the shelf for emergency.</p>	1	Nos

2.307	<p>Annuloplasty ring for Tricuspid valve incomplete ring type - (largest inner diameter being: 27/28 mm. Near anatomical contour with downward angle at septal end. Should be supplied with suitable holder & sizer . Purchase will be made individually whenever necessary - S.O.S. on consignment basis (i.e different sizes are brought for a procedure - payment will be effected for the size utilized - the other size will be returned) A set of one number in each size will be purchase at first and remain in the shelf for emergency.</p>	2	Nos
2.308	<p>Annuloplasty ring for Tricuspid valve incomplete ring type - (largest inner diameter being: 29/30 mm. Near anatomical contour with downward angle at septal end. Should be supplied with suitable holder & sizer . Purchase will be made individually whenever necessary - S.O.S. on consignment basis (i.e different sizes are brought for a procedure - payment will be effected for the size utilized - the other size will be returned) A set of one number in each size will be purchase at first and remain in the shelf for emergency.</p>	3	Nos
2.309	<p>Annuloplasty ring for Tricuspid valve incomplete ring type - (largest inner diameter being: 31/32 mm. Near anatomical contour with downward angle at septal end. Should be supplied with suitable holder & sizer . Purchase will be made individually whenever necessary - S.O.S. on consignment basis (i.e different sizes are brought for a procedure - payment will be effected for the size utilized - the other size will be returned) A set of one number in each size will be purchase at first and remain in the shelf for emergency.</p>	3	Nos
2.310	<p>Annuloplasty ring for Tricuspid valve incomplete ring type - (largest inner diameter being: 33/34 mm. Near anatomical contour with downward angle at septal end. Should be supplied with suitable holder & sizer . Purchase will be made individually whenever necessary - S.O.S. on consignment basis (i.e different sizes are brought for a procedure - payment will be effected for the size utilized - the other size will be returned) A set of one number in each size will be purchase at first and remain in the shelf for emergency.</p>	2	Nos
2.311	<p>Annuloplasty ring for Tricuspid valve incomplete ring type - (largest inner diameter being: 35/36 mm. Near anatomical contour with downward angle at septal end. Should be supplied with suitable holder & sizer . Purchase will be made individually whenever necessary - S.O.S. on consignment basis (i.e different sizes are brought for a procedure - payment will be effected for the size utilized - the other size will be returned) A set of one number in each size will be purchase at first and remain in the shelf for emergency.</p>	1	Nos
2.312	<p>Annuloplasty ring for Tricuspid valve incomplete ring type - (largest inner diameter being: 37/38 mm. Near anatomical contour with downward angle at septal end. Should be supplied with suitable holder & sizer . Purchase will be made individually whenever necessary - S.O.S. on consignment basis (i.e different sizes are brought for a procedure - payment will be effected for the size utilized - the other size will be returned) A set of one number in each size will be purchase at first and remain in the shelf for emergency.</p>	1	Nos

2.313	<p>Annuloplasty ring for Tricuspid valve incomplete ring type - (largest inner diameter being: 39/40 mm. Near anatomical contour with downward angle at septal end. Should be supplied with suitable holder & sizer . Purchase will be made individually whenever necessary - S.O.S. on consignment basis (i.e different sizes are brought for a procedure - payment will be effected for the size utilized - the other size will be returned) A set of one number in each size will be purchase at first and remain in the shelf for emergency.</p>	1	Nos
2.314	<p>Suture guide / Suture-grip / Suture-organizer of Gabbay Frater mechanism for heart vlave operationsCurved profile with capacity to hold at least 8 paired sutures with positional numbering labelled in a guide with fixation ports. Each sterile pack should contain 3 such guides.</p>	20	Nos
2.315	Arterial embolectomy caztheter 2F x 60 cm - enclosed in a rigid case - SPR	50	Nos
2.316	Arterial embolectomy caztheter 3F x 80 cm - enclosed in a rigid case - SPR	100	Nos
2.317	Arterial embolectomy caztheter 5F x 80 cm - enclosed in a rigid case - SPR	100	Nos
2.318	Arterial embolectomy caztheter 7F x 80 cm - enclosed in a rigid case - SPR	100	Nos
2.319	PTFE vascular tube grafts 3 mm - at least 10 cm long (peferably thin walled)	2	Nos
2.320	PTFE vascular tube grafts 3.5 mm - at least 10 cm long (peferably thin walled)	3	Nos
2.321	PTFE vascular tube grafts 4 mm - at least 10 cm long (peferably thin walled)	3	Nos
2.322	PTFE vascular tube grafts 4.5 mm- at least 10 cm long (peferably thin walled)	2	Nos

2.323	PTFE vascular tube grafts 5 mm - at least 10 cm long (preferably thin walled)	2	Nos
2.324	PTFE vascular tube grafts 6 mm - at least 10 cm long	3	Nos
2.325	PTFE vascular tube grafts 7 mm - at least 10 cm long	3	Nos
2.326	PTFE vascular tube grafts 8 mm - at least 10 cm long	3	Nos
2.327	PTFE vascular tube grafts 6 mm - at least 30 cm long	2	Nos
2.328	PTFE vascular tube grafts 7 mm - at least 30 cm long	2	Nos
2.329	PTFE vascular tube grafts 8 mm - at least 30 cm long	2	Nos
2.330	PTFE vascular tube grafts 12 mm - at least 30 cm long	2	Nos
2.331	PTFE vascular tube grafts 14 mm - at least 30 cm long	2	Nos
2.332	PTFE vascular tube grafts 16 mm - at least 30 cm long	2	Nos
2.333	PTFE vascular tube grafts 18 mm - at least 30 cm long	2	Nos
2.334	PTFE vascular tube grafts 20 mm - at least 30 cm long	2	Nos
2.335	PTFE vascular tube grafts 22 mm - at least 30 cm long	2	Nos
2.336	PTFE vascular tube grafts 24 mm - at least 30 cm long	2	Nos
2.337	PTFE vascular tube grafts 5 mm - at least 50cm long	1	Nos

2.338	PTFE vascular tube grafts 6 mm - at least 50cm long	1	Nos
2.339	PTFE vascular tube grafts 7 mm - at least 50cm long	1	Nos
2.340	PTFE vascular tube grafts 8 mm - at least 50cm long	1	Nos
2.341	PTFE vascular tube grafts - with external support (ringed) 6 mm - at least 70cm long	2	Nos
2.342	PTFE vascular tube grafts - with external support (ringed) 7 mm - at least 70cm long	2	Nos
2.343	PTFE vascular tube grafts - with external support (ringed) 8 mm - at least 70cm long	2	Nos
2.344	Axillo-bifemoral PTFE vascular tube grafts - 8 mm diameter & length of 90 cm plus 50 cm . Purchase will be made individually whenever necessary - S.O.S.	sos	Nos
2.345	Cuffed ePTFE graft with trim line of 4-6 mm x 60 cm - for ananstamosis with the small receipient vessel of size - 3mm & less. Preferably with in-built antiplatelet / antithrombotic mechanism.	2	Nos
2.346	Cuffed ePTFE graft with trim line of 4-6 mm x 90 cm - for ananstamosis with the small receipient vessel of size - 3mm & less. Preferably with in-built antiplatelet / antithrombotic mechanism.	2	Nos
2.347	AV access ePTFE graft - 6mm x 40 cm designed specially for for creating AV fistual creation for hemodialysis. The graft should be able to withstand multiple needle punctures without bleeding after the needle is removed.	3	Nos
2.348	Collagen Impregnated Polyester Straight Tube grafts with crimps - 15 cm long - Dia: 6 mm	3	Nos

2.349	Collagen Impregnated Polyester Straight Tube grafts with crimps - 15 cm long - Dia: 7 mm	3	Nos
2.350	Collagen Impregnated Polyester Straight Tube grafts with crimps - 15 cm long - Dia: 8 mm	3	Nos
2.351	Collagen Impregnated Polyester Straight Tube grafts with crimps - 15 cm long - Dia: 10 mm	3	Nos
2.352	Collagen Impregnated Polyester Straight Tube grafts with crimps - 15 cm long - Dia: 12 mm	3	Nos
2.353	Collagen Impregnated Polyester Straight Tube grafts with crimps - 15 cm long - Dia: 14 mm	3	Nos
2.354	Collagen Impregnated Polyester Straight Tube grafts with crimps - 15 cm long - Dia: 16 mm	3	Nos
2.355	Collagen Impregnated Polyester Straight Tube grafts with crimps - 15 cm long - Dia: 18 mm	3	Nos
2.356	Collagen Impregnated Polyester Straight Tube grafts with crimps - 15 cm long - Dia: 20 mm	3	Nos
2.357	Collagen Impregnated Polyester Straight Tube grafts with crimps - 15 cm long - Dia: 22 mm	3	Nos
2.358	Collagen Impregnated Polyester Straight Tube grafts with crimps - 15 cm long - Dia: 24 mm	3	Nos
2.359	Collagen Impregnated Polyester Straight Tube grafts with crimps - 15 cm long - Dia: 26 mm	3	Nos

2.360	Collagen Impregnated Polyester Straight Tube grafts with crimps - 15 cm long - Dia: 28 mm	3	Nos
2.361	Collagen Impregnated Polyester Straight Tube grafts with crimps - 15 cm long - Dia: 30 mm	3	Nos
2.362	Collagen Impregnated Polyester Straight Tube grafts with crimps - 15 cm long - Dia: 32 mm	3	Nos
2.363	Collagen Impregnated Polyester Straight Tube grafts with crimps - 15 cm long - Dia: 34 mm	1	Nos
2.364	Collagen Impregnated Polyester Straight Tube grafts with crimps - 15 cm long - Dia: 36 mm	1	Nos
2.365	Collagen Impregnated Polyester Straight Tube grafts with crimps - 30 cm long - Dia: 6 mm	5	Nos
2.366	Collagen Impregnated Polyester Straight Tube grafts with crimps - 30 cm long - Dia: 7 mm	5	Nos
2.367	Collagen Impregnated Polyester Straight Tube grafts with crimps - 30 cm long - Dia: 8 mm	5	Nos
2.368	Collagen Impregnated Polyester Straight Tube grafts with crimps - 30 cm long - Dia: 10 mm	2	Nos
2.369	Collagen Impregnated Polyester Straight Tube grafts with crimps - 30 cm long - Dia: 12 mm	2	Nos
2.370	Collagen Impregnated Polyester Straight Tube grafts with crimps - 30 cm long - Dia: 14 mm	2	Nos

2.371	Collagen Impregnated Polyester Straight Tube grafts with crimps - 30 cm long - Dia: 16 mm	2	Nos
2.372	Collagen Impregnated Polyester Straight Tube grafts with crimps - 30 cm long - Dia: 18 mm	2	Nos
2.373	Collagen Impregnated Polyester Straight Tube grafts with crimps - 30 cm long - Dia: 20 mm	2	Nos
2.374	Collagen Impregnated Polyester Straight Tube grafts with crimps - 30 cm long - Dia: 22 mm	2	Nos
2.375	Collagen Impregnated Polyester Straight Tube grafts with crimps - 30 cm long - Dia: 24 mm	2	Nos
2.376	Collagen Impregnated Polyester Straight Tube grafts with crimps - 30 cm long - Dia: 26 mm	2	Nos
2.377	Collagen Impregnated Polyester Straight Tube grafts with crimps - 30 cm long - Dia: 28 mm	2	Nos
2.378	Collagen Impregnated Polyester Straight Tube grafts with crimps - 30 cm long - Dia: 30 mm	2	Nos
2.379	Collagen Impregnated Polyester Straight Tube grafts with crimps - 30 cm long - Dia: 32 mm	2	Nos
2.380	Collagen Impregnated Polyester Straight Tube grafts with crimps - 30 cm long - Dia: 34 mm	1	Nos
2.381	Collagen Impregnated Polyester Straight Tube grafts with crimps - 30 cm long - Dia: 36 mm	1	Nos
2.382	Collagen Impregnated Polyester Straight Tube grafts with crimps - 30 cm long - Dia: 6 mm	1	Nos

2.383	Collagen Impregnated Polyester Straight Tube grafts with crimps - 30 cm long - Dia: 6 mm	1	Nos
2.384	Collagen Impregnated Polyester Straight Tube grafts with crimps - 60 cm long - Dia: 6 mm	1	Nos
2.385	Collagen Impregnated Polyester Straight Tube grafts with crimps - 60 cm long - Dia: 7 mm	1	Nos
2.386	Collagen Impregnated Polyester Straight Tube grafts with crimps - 60 cm long - Dia: 8 mm	1	Nos
2.387	Collagen Impregnated Polyester Straight Tube grafts with crimps - 60 cm long - Dia: 10 mm	1	Nos
2.388	Collagen Impregnated Polyester Straight Tube grafts with crimps - 60 cm long - Dia: 12 mm	1	Nos
2.389	Collagen Impregnated Polyester Straight Tube grafts with crimps - 60 cm long - Dia: 14 mm	1	Nos
2.390	Collagen Impregnated Polyester Straight Tube grafts with crimps - 60 cm long - Dia: 16 mm	1	Nos
2.391	Collagen Impregnated Polyester Straight Tube grafts with crimps - 60 cm long - Dia: 18 mm	1	Nos
2.392	Collagen Impregnated Polyester Straight Tube grafts with crimps - 60 cm long - Dia: 20 mm	1	Nos

2.393	Collagen Impregnated Polyester Straight Tube grafts with crimps - 60 cm long - Dia: 22 mm	1	Nos
2.394	Collagen Impregnated Polyester Straight Tube grafts with crimps - 60 cm long - Dia: 24 mm	1	Nos
2.395	Collagen Impregnated Polyester Straight Tube grafts with crimps - 60 cm long - Dia: 26 mm	1	Nos
2.396	Collagen Impregnated Polyester Straight Tube grafts with crimps - 60 cm long - Dia: 28 mm	1	Nos
2.397	Collagen Impregnated Polyester Straight Tube grafts with crimps - 60 cm long - Dia: 30 mm	1	Nos
2.398	Collagen Impregnated Polyester Straight Tube grafts with crimps - 90 cm long - Dia: 6 mm	1	Nos
2.399	Collagen Impregnated Polyester Straight Tube grafts with crimps - 90 cm long - Dia: 7 mm	1	Nos
2.400	Collagen Impregnated Polyester Straight Tube grafts with crimps - 90 cm long - Dia: 10 mm	1	Nos
2.401	Collagen Impregnated Polyester Straight Tube grafts with crimps - 90 cm long - Dia: 12 mm	1	Nos
2.402	Collagen Impregnated Polyester Straight Tube grafts with crimps - 90 cm long - Dia: 14 mm	1	Nos

2.403	Collagen Impregnated Polyester Straight Tube grafts with crimps - 90 cm long - Dia: 16 mm	1	Nos
2.404	Collagen Impregnated - Woven Polyester Bifurcated Tube grafts (with Y limbs) with crimps - 40 to 50 cm long and size (diameter) of limbs : 12 mm x 6 mm	4	Nos
2.405	Collagen Impregnated - Woven Polyester Bifurcated Tube grafts (with Y limbs) with crimps - 40 to 50 cm long and size (diameter) of limbs : 14 mm x 7 mm	4	Nos
2.406	Collagen Impregnated - Woven Polyester Bifurcated Tube grafts (with Y limbs) with crimps - 40 to 50 cm long and size (diameter) of limbs : 16 mm x 8 mm	4	Nos
2.407	Collagen Impregnated - Woven Polyester Bifurcated Tube grafts (with Y limbs) with crimps - 40 to 50 cm long and size (diameter) of limbs : 18 mm x 9 mm	3	Nos
2.408	Collagen Impregnated - Woven Polyester Bifurcated Tube grafts (with Y limbs) with crimps - 40 to 50 cm long and size (diameter) of limbs : 20 mm x 10 mm	2	Nos
2.409	Polyester fiber suture / ligature 5 mm x at least 40 cm (for Pulmonary arterial banding) SPR	10	Nos
2.410	ePTFE Sutures for valve repairs Double armed – 90 cm with Taper point 3/8 circle needles – preferably with needle to suture ratio nearer to or equivalent to 1:1. in terms of tensile strength suture : the size : 4-0 (Cost of each foil has to be quoted, In case of quoting the cost for a box, the no.of suture foils in each box should be mentioned)	20	Nos
2.411	ePTFE Sutures for valve repairs Double armed – 90 cm with Taper point 3/8 circle needles – preferably with needle to suture ratio nearer to or equivalent to 1:1. in terms of tensile strength suture : the size : 5-0 (Cost of each foil has to be quoted, In case of quoting the cost for a box, the no.of suture foils in each box should be mentioned)	20	Nos

2.412	<p>ePTFE Sutures for valve repairs Double armed –90 cm with Taper point 3/8 circle needles – preferably with needle to suture ratio nearer to or equivalent to 1:1. in terms of tensile strength suture : the size : 6-0 (Cost of each foil has to be quoted, In case of quoting the cost for a box, the no.of suture foils in each box should be mentioned)</p>	10	Nos
2.413	<p>Polybutester suture With polytribolate coating with the property of needle hole self-sealing for vascular anastamoses. Size 7-0 x 60 cm with 3'8 circle 8mm needle (Cost of each foil has to be quoted, In case of quoting the cost for a box, the no.of suture foils in each box should be mentioned)</p>	120	Nos
2.414	<p>Polyester patch - Type A (Woven fabric) - 0.25 mm thick. - 5cm x 10 cm Preferably collagen coated. The brochure containing the necessary details on the dimensions and the material of the fabric has to be submitted. The specification for thickness has to be adhered whereas the length or width can exceed the specified.</p>	10	Nos
2.415	<p>Polyester patch - Type A (Woven fabric) - 0.25 mm thick. - 10cm x 10 cm Preferably collagen coated. The brochure containing the necessary details on the dimensions and the material of the fabric has to be submitted. The specification for thickness has to be adhered whereas the length or width can exceed the specified.</p>	10	Nos
2.416	<p>Polyester patch - Type A (Woven fabric) - 0.25 mm thick. - 15cm x 15 cm Preferably collagen coated. The brochure containing the necessary details on the dimensions and the material of the fabric has to be submitted. The specification for thickness has to be adhered whereas the length or width can exceed the specified.</p>	10	Nos
2.417	<p>Polyester patch - Type B (Woven fabric) - 0.36 mm thick. 6 mm x 76 mm- Preferably collagen coated. The brochure containing the necessary details on the dimensions and the material of the fabric has to be submitted. The specification for thickness has to be adhered whereas the length or width can exceed the specified.</p>	10	Nos

2.418	Polyester patch - Type B (Woven fabric) - 0.36 mm thick. 8 mm x 76 mm- Preferably collagen coated. The brochure containing the necessary details on the dimensions and the material of the fabric has to be submitted. The specification for thickness has to be adhered whereas the length or width can exceed the specified.	5	Nos
2.419	Polyester patch - Type B (Woven fabric) - 0.36 mm thick. 8 mm x 152 mm- Preferably collagen coated. The brochure containing the necessary details on the dimensions and the material of the fabric has to be submitted. The specification for thickness has to be adhered whereas the length or width can exceed the specified.	5	Nos
2.420	Polyester patch - Type B (Woven fabric) - 0.36 mm thick. 25 mm x 76 mm- Preferably collagen coated. The brochure containing the necessary details on the dimensions and the material of the fabric has to be submitted. The specification for thickness has to be adhered whereas the length or width can exceed the specified.	10	Nos
2.421	Polyester patch - Type B (Woven fabric) - 0.36 mm thick. 25 mm x 152 mm- Preferably collagen coated. The brochure containing the necessary details on the dimensions and the material of the fabric has to be submitted. The specification for thickness has to be adhered whereas the length or width can exceed the specified.	10	Nos
2.422	Polyester patch - Type C (Woven fabric) - 0.44 mm thick. 25 mm x 50 mm- Preferably collagen coated. The brochure containing the necessary details on the dimensions and the material of the fabric has to be submitted. The specification for thickness has to be adhered whereas the length or width can exceed the specified.	10	Nos
2.423	Polyester patch - Type C (Woven fabric) - 0.44 mm thick. 25 mm x 100 mm- Preferably collagen coated. The brochure containing the necessary details on the dimensions and the material of the fabric has to be submitted. The specification for thickness has to be adhered whereas the length or width can exceed the specified.	10	Nos

2.424	Polyester patch - Type C (Woven fabric) - 0.44 mm thick. 50 mm x 50 mm- Preferably collagen coated. The brochure containing the necessary details on the dimensions and the material of the fabric has to be submitted. The specification for thickness has to be adhered whereas the length or width can exceed the specified.	10	Nos
2.425	Polyester patch - Type C (Woven fabric) - 0.44 mm thick. 75 mm x 75 mm- Preferably collagen coated. The brochure containing the necessary details on the dimensions and the material of the fabric has to be submitted. The specification for thickness has to be adhered whereas the length or width can exceed the specified.	5	Nos
2.426	Polyester patch - Type C (Woven fabric) - 0.44 mm thick. 100 mm x 100 mm- Preferably collagen coated. The brochure containing the necessary details on the dimensions and the material of the fabric has to be submitted. The specification for thickness has to be adhered whereas the length or width can exceed the specified.	5	Nos
2.427	Polyester patch - Type D (Woven fabric) - 0.61 - 0.65 mm thick - Size: 6 mm x 75 mm- The brochure containing the necessary details on the dimensions and the material of the fabric has to be submitted. The specification for thickness has to be adhered whereas the length or width can exceed the specified.	5	Nos
2.428	Polyester patch - Type D (Woven fabric) - 0.61 - 0.65 mm thick - Size: 10 mm x 140 mm- The brochure containing the necessary details on the dimensions and the material of the fabric has to be submitted. The specification for thickness has to be adhered whereas the length or width can exceed the specified.	5	Nos
2.429	Polyester patch - Type D (Woven fabric) - 0.61 - 0.65 mm thick - Size: 20 mm x 140 mm- The brochure containing the necessary details on the dimensions and the material of the fabric has to be submitted. The specification for thickness has to be adhered whereas the length or width can exceed the specified.	5	Nos

2.430	Polyester patch - Type D (Woven fabric) - 0.61 - 0.65 mm thick - Size: 25mm x 50 mm- The brochure containing the necessary details on the dimensions and the material of the fabric has to be submitted. The specification for thickness has to be adhered whereas the length or width can exceed the specified.	5	Nos
2.431	Polyester patch - Type D (Woven fabric) - 0.61 - 0.65 mm thick - Size: 25 mm x 75 mm- The brochure containing the necessary details on the dimensions and the material of the fabric has to be submitted. The specification for thickness has to be adhered whereas the length or width can exceed the specified.	5	Nos
2.432	Polyester patch - Type D (Woven fabric) - 0.61 - 0.65 mm thick - Size: 25 mm x 100 mm- The brochure containing the necessary details on the dimensions and the material of the fabric has to be submitted. The specification for thickness has to be adhered whereas the length or width can exceed the specified.	5	Nos
2.433	Polyester patch - Type D (Woven fabric) - 0.61 - 0.65 mm thick - Size: 25 mm x 150 mm- The brochure containing the necessary details on the dimensions and the material of the fabric has to be submitted. The specification for thickness has to be adhered whereas the length or width can exceed the specified.	5	Nos
2.434	Polyester patch - Type D (Woven fabric) - 0.61 - 0.65 mm thick - Size: 50 mm x 50 mm- The brochure containing the necessary details on the dimensions and the material of the fabric has to be submitted. The specification for thickness has to be adhered whereas the length or width can exceed the specified.	5	Nos
2.435	Polyester patch - Type D (Woven fabric) - 0.61 - 0.65 mm thick - Size: 50 mm x 75 mm- The brochure containing the necessary details on the dimensions and the material of the fabric has to be submitted. The specification for thickness has to be adhered whereas the length or width can exceed the specified.	5	Nos

2.436	Polyester patch - Type D (Woven fabric) - 0.61 - 0.65 mm thick - Size: 50 mm x 150 mm- The brochure containing the necessary details on the dimensions and the material of the fabric has to be submitted. The specification for thickness has to be adhered whereas the length or width can exceed the specified.	5	Nos
2.437	Polyester patch - Type D (Woven fabric) - 0.61 - 0.65 mm thick - Size: 75 mm x 75 mm- The brochure containing the necessary details on the dimensions and the material of the fabric has to be submitted. The specification for thickness has to be adhered whereas the length or width can exceed the specified.	5	Nos
2.438	Polyester patch - Type D (Woven fabric) - 0.61 - 0.65 mm thick - Size: 100 mm x 100 mm- The brochure containing the necessary details on the dimensions and the material of the fabric has to be submitted. The specification for thickness has to be adhered whereas the length or width can exceed the specified.	5	Nos
2.439	Polyester patch - Type E (Double velour - Woven fabric) - 0.46 mm thick - Size : 25mm x 152 mm Preferably collagen coated. The brochure containing the necessary details on the dimensions and the material of the fabric has to be submitted. The specification for thickness has to be adhered whereas the length or width can exceed the specified.	10	Nos
2.440	Polyester patch - Type E (Double velour - Woven fabric) - 0.46 mm thick - Size : 51mm x 76 mm Preferably collagen coated. The brochure containing the necessary details on the dimensions and the material of the fabric has to be submitted. The specification for thickness has to be adhered whereas the length or width can exceed the specified.	10	Nos
2.441	Polyester patch - Type E (Double velour - Woven fabric) - 0.46 mm thick - Size : 51mm x 152 mm Preferably collagen coated. The brochure containing the necessary details on the dimensions and the material of the fabric has to be submitted. The specification for thickness has to be adhered whereas the length or width can exceed the specified.	10	Nos

2.442	Polyester patch - Type F (Double velour - knitted fabric) - 0.76 mm thick. Size: 6 mm x 76 mm. Preferably collagen coated. The brochure containing the necessary details on the dimensions and the material of the fabric has to be submitted. The specification for thickness has to be adhered whereas the length or width can exceed the specified.	2	Nos
2.443	Polyester patch - Type F (Double velour - knitted fabric) - 0.76 mm thick. Size: 6 mm x 122 mm. Preferably collagen coated. The brochure containing the necessary details on the dimensions and the material of the fabric has to be submitted. The specification for thickness has to be adhered whereas the length or width can exceed the specified.	2	Nos
2.444	Polyester patch - Type F (Double velour - knitted fabric) - 0.76 mm thick. Size: 8 mm x 76 mm. Preferably collagen coated. The brochure containing the necessary details on the dimensions and the material of the fabric has to be submitted. The specification for thickness has to be adhered whereas the length or width can exceed the specified.	2	Nos
2.445	Polyester patch - Type F (Double velour - knitted fabric) - 0.76 mm thick. Size: 8 mm x 152 mm. Preferably collagen coated. The brochure containing the necessary details on the dimensions and the material of the fabric has to be submitted. The specification for thickness has to be adhered whereas the length or width can exceed the specified.	2	Nos
2.446	Polyester patch - Type F (Double velour - knitted fabric) - 0.76 mm thick. Size: 25 mm x 76 mm. Preferably collagen coated. The brochure containing the necessary details on the dimensions and the material of the fabric has to be submitted. The specification for thickness has to be adhered whereas the length or width can exceed the specified.	2	Nos
2.447	Polyester patch - Type F (Double velour - knitted fabric) - 0.76 mm thick. Size: 25 mm x 152 mm. Preferably collagen coated. The brochure containing the necessary details on the dimensions and the material of the fabric has to be submitted. The specification for thickness has to be adhered whereas the length or width can exceed the specified.	2	Nos
2.448	Polyester patch - Type F (Double velour - knitted fabric) - 0.76 mm thick. Size: 50 mm x 15 mm. Preferably collagen coated. The brochure containing the necessary details on the dimensions and the material of the fabric has to be submitted. The specification for thickness has to be adhered whereas the length or width can exceed the specified.	2	Nos

2.449	Polyester patch - Type F(Double velour - knitted fabric) - 0.76 mm thick. Size: 60 mm x 30 mm. Preferably collagen coated. The brochure containing the necessary details on the dimensions and the material of the fabric has to be submitted. The specification for thickness has to be adhered whereas the length or width can exceed the specified.	2	Nos
2.450	Polyester patch - Type F(Double velour - knitted fabric) - 0.76 mm thick. Size: 70 mm x 15 mm. Preferably collagen coated. The brochure containing the necessary details on the dimensions and the material of the fabric has to be submitted. The specification for thickness has to be adhered whereas the length or width can exceed the specified.	2	Nos
2.451	Polyester patch - Type F (Double velour - knitted fabric) - 0.76 mm thick. Size: 80 mm x 40 mm. Preferably collagen coated. The brochure containing the necessary details on the dimensions and the material of the fabric has to be submitted. The specification for thickness has to be adhered whereas the length or width can exceed the specified.	2	Nos
2.452	Polyester patch - Type F (Double velour - knitted fabric) - 0.76 mm thick. Size: 100 mm x 15 mm. Preferably collagen coated. The brochure containing the necessary details on the dimensions and the material of the fabric has to be submitted. The specification for thickness has to be adhered whereas the length or width can exceed the specified.	2	Nos
2.453	Polyester patch - Type F (Double velour - knitted fabric) - 0.76 mm thick. Size: 120 mm x 40 mm. Preferably collagen coated. The brochure containing the necessary details on the dimensions and the material of the fabric has to be submitted. The specification for thickness has to be adhered whereas the length or width can exceed the specified.	2	Nos
2.454	Polyester patch - Type F (Double velour - knitted fabric) - 0.76 mm thick. Size: 120 mm x 80 mm. Preferably collagen coated. The brochure containing the necessary details on the dimensions and the material of the fabric has to be submitted. The specification for thickness has to be adhered whereas the length or width can exceed the specified.	2	Nos
2.455	Polyester patch - Type G (Double velour - knitted fabric) -1.5 mm thick - 25 mm x 50 mm as used for closure of large VSD. The brochure containing the necessary details on the dimensions and the material of the fabric has to be submitted. The specification for thickness has to be adhered whereas the length or width can exceed the specified.	2	Nos

2.456	Polyester patch - Type G (Double velour - knitted fabric) -1.5 mm thick - 25 mm x 100 mm as used for closure of large VSD. The brochure containing the necessary details on the dimensions and the material of the fabric has to be submitted. The specification for thickness has to be adhered whereas the length or width can exceed the specified.	2	Nos
2.457	Polyester patch - Type G (Double velour - knitted fabric) -1.5 mm thick - 50 mm x 50 mm as used for closure of large VSD. The brochure containing the necessary details on the dimensions and the material of the fabric has to be submitted. The specification for thickness has to be adhered whereas the length or width can exceed the specified.	2	Nos
2.458	Polyester patch - Type G (Double velour - knitted fabric) -1.5 mm thick - 50 mm x 100 mm as used for closure of large VSD. The brochure containing the necessary details on the dimensions and the material of the fabric has to be submitted. The specification for thickness has to be adhered whereas the length or width can exceed the specified.	2	Nos
2.459	Polyester patch - Type G (Double velour - knitted fabric) -1.5 mm thick - 100 mm x 100 mm as used for closure of large VSD. The brochure containing the necessary details on the dimensions and the material of the fabric has to be submitted. The specification for thickness has to be adhered whereas the length or width can exceed the specified.	2	Nos
2.460	PET (polyethylene Terephthalate) patch about 8 mm x 75 mm - aldehyde-free. Gel coated. The brochure containing the necessary details on the dimensions and the material of the fabric has to be submitted.	2	Nos
2.461	PET (polyethylene Terephthalate) patch about 25 mm x 76 mm - aldehyde-free. Gel coated. The brochure containing the necessary details on the dimensions and the material of the fabric has to be submitted.	2	Nos
2.462	PET (polyethylene Terephthalate) patch about 25 mm x 152mm - aldehyde-free. Gel coated. The brochure containing the necessary details on the dimensions and the material of the fabric has to be submitted.	2	Nos

2.463	<p>PET (polyethylene Terephthalate) patch about 50 mm x 76 mm - aldehyde-free. Gel coated. The brochure containing the necessary details on the dimensions and the material of the fabric has to be submitted.</p>	2	Nos
2.464	<p>PET (polyethylene Terephthalate) patch about 50 mm x 152 mm - aldehyde-free. Gel coated. The brochure containing the necessary details on the dimensions and the material of the fabric has to be submitted.</p>	2	Nos
2.465	<p>ePTFE Trilaminar patch - Type A. (0.3 mm thick) - 20 mm x 30 mm Made up of triple layers (ePTFE layers with middle layer of thermoplastic fluopolymer with elastic property). The brochure containing the necessary details on the dimensions and the material of the fabric has to be submitted. The specification for thickness has to be adhered whereas the length or width can exceed the specified.</p>	2	Nos
2.466	<p>ePTFE Trilaminar patch - Type A. (0.3 mm thick) - 20 mm x 75 mm Made up of triple layers (ePTFE layers with middle layer of thermoplastic fluopolymer with elastic property). The brochure containing the necessary details on the dimensions and the material of the fabric has to be submitted. The specification for thickness has to be adhered whereas the length or width can exceed the specified.</p>	2	Nos
2.467	<p>ePTFE Trilaminar patch - Type A. (0.3 mm thick) - 15 mm x 20 mm Made up of triple layers (ePTFE layers with middle layer of thermoplastic fluopolymer with elastic property). The brochure containing the necessary details on the dimensions and the material of the fabric has to be submitted. The specification for thickness has to be adhered whereas the length or width can exceed the specified.</p>	2	Nos

2.468	ePTFE Trilaminar patch - Type A. (0.3 mm thick) - 8 mm x 30 mm Made up of triple layers (ePTFE layers with middle layer of thermoplastic fluopolymer with elastic property). The brochure containing the necessary details on the dimensions and the material of the fabric has to be submitted. The specification for thickness has to be adhered whereas the length or width can exceed the specified.	2	Nos
2.469	ePTFE Trilaminar patch - Type A. (0.3 mm thick) - 6 mm x 75mm Made up of triple layers (ePTFE layers with middle layer of thermoplastic fluopolymer with elastic property). The brochure containing the necessary details on the dimensions and the material of the fabric has to be submitted. The specification for thickness has to be adhered whereas the length or width can exceed the specified.	2	Nos
2.470	ePTFE Trilaminar patch - Type A. (0.3 mm thick) - 8 mm x 75mm Made up of triple layers (ePTFE layers with middle layer of thermoplastic fluopolymer with elastic property). The brochure containing the necessary details on the dimensions and the material of the fabric has to be submitted. The specification for thickness has to be adhered whereas the length or width can exceed the specified.	2	Nos
2.471	ePTFE Trilaminar patch - Type A. (0.3 mm thick) - 10 mm x 75mm Made up of triple layers (ePTFE layers with middle layer of thermoplastic fluopolymer with elastic property). The brochure containing the necessary details on the dimensions and the material of the fabric has to be submitted. The specification for thickness has to be adhered whereas the length or width can exceed the specified.	2	Nos
2.472	ePTFE Trilaminar patch - Type A. (0.3 mm thick) - 20 mm x 90mm Made up of triple layers (ePTFE layers with middle layer of thermoplastic fluopolymer with elastic property). The brochure containing the necessary details on the dimensions and the material of the fabric has to be submitted. The specification for thickness has to be adhered whereas the length or width can exceed the specified.	2	Nos

2.473	ePTFE Trilaminar patch - Type B. (0.5 mm thick) - 8mm x 75mm Made up of triple layers (ePTFE layers with middle layer of thermoplastic fluropolymer with elastic property). The brochure containing the necessary details on the dimensions and the material of the fabric has to be submitted. The specification for thickness has to be adhered whereas the length or width can exceed the specified.	2	Nos
2.474	ePTFE Trilaminar patch - Type B. (0.5 mm thick) - 10 mm x 90 mm Made up of triple layers (ePTFE layers with middle layer of thermoplastic fluropolymer with elastic property). The brochure containing the necessary details on the dimensions and the material of the fabric has to be submitted. The specification for thickness has to be adhered whereas the length or width can exceed the specified.	2	Nos
2.475	ePTFE Trilaminar patch - Type B. (0.5 mm thick) - 25mm x 150mm Made up of triple layers (ePTFE layers with middle layer of thermoplastic fluropolymer with elastic property). The brochure containing the necessary details on the dimensions and the material of the fabric has to be submitted. The specification for thickness has to be adhered whereas the length or width can exceed the specified.	2	Nos
2.476	ePTFE Trilaminar patch - Type B. (0.5 mm thick) - 30mm x 30mm Made up of triple layers (ePTFE layers with middle layer of thermoplastic fluropolymer with elastic property). The brochure containing the necessary details on the dimensions and the material of the fabric has to be submitted. The specification for thickness has to be adhered whereas the length or width can exceed the specified.	5	Nos
2.477	ePTFE Trilaminar patch - Type B. (0.5 mm thick) - 30mm x 60mm Made up of triple layers (ePTFE layers with middle layer of thermoplastic fluropolymer with elastic property). The brochure containing the necessary details on the dimensions and the material of the fabric has to be submitted. The specification for thickness has to be adhered whereas the length or width can exceed the specified.	10	Nos

2.478	ePTFE Trilaminar patch - Type B. (0.5 mm thick) - 50mm x 75mm Made up of triple layers (ePTFE layers with middle layer of thermoplastic fluopolymer with elastic property). The brochure containing the necessary details on the dimensions and the material of the fabric has to be submitted. The specification for thickness has to be adhered whereas the length or width can exceed the specified.	2	Nos
2.479	ePTFE patch - Type C (0.4 mm thick) - 10 mm x 90 mm The brochure containing the necessary details on the dimensions and the material of the fabric has to be submitted. The specification for thickness has to be adhered whereas the length or width can exceed the specified.	1	Nos
2.480	ePTFE patch - Type C (0.4 mm thick) - 20 mm x 90 mm The brochure containing the necessary details on the dimensions and the material of the fabric has to be submitted. The specification for thickness has to be adhered whereas the length or width can exceed the specified.	2	Nos
2.481	ePTFE patch - Type C (0.4 mm thick) - 30 mm x 60 mm The brochure containing the necessary details on the dimensions and the material of the fabric has to be submitted. The specification for thickness has to be adhered whereas the length or width can exceed the specified.	5	Nos
2.482	ePTFE patch - Type D (0.58 to 0.62 mm thick) 30 mm x 30 mm The brochure containing the necessary details on the dimensions and the material of the fabric has to be submitted. The specification for thickness has to be adhered whereas the length or width can exceed the specified.	2	Nos
2.483	ePTFE patch - Type D (0.58 to 0.62 mm thick) 50 mm x 75 mm The brochure containing the necessary details on the dimensions and the material of the fabric has to be submitted. The specification for thickness has to be adhered whereas the length or width can exceed the specified.	2	Nos
2.484	ePTFE patch - Type D (0.58 to 0.62 mm thick) 25 mm x 150 mm The brochure containing the necessary details on the dimensions and the material of the fabric has to be submitted. The specification for thickness has to be adhered whereas the length or width can exceed the specified.	2	Nos
2.485	ePTFE patch - Type D (0.58 to 0.62 mm thick) 50 mm x 150 mm The brochure containing the necessary details on the dimensions and the material of the fabric has to be submitted. The specification for thickness has to be adhered whereas the length or width can exceed the specified.	2	Nos

2.486	ePTFE patch - Type D (0.58 to 0.62 mm thick) 100 mm x 150 mm The brochure containing the necessary details on the dimensions and the material of the fabric has to be submitted. The specification for thickness has to be adhered whereas the length or width can exceed the specified.	2	Nos
2.487	PTFE patch (0.9 mm thick) 50 mm x100 mm for outflow tract. The brochure containing the necessary details on the dimensions and the material of the fabric has to be submitted. The specification for thickness has to be adhered whereas the length or width can exceed the specified.	2	Nos
2.488	PTFE patch (0.9 mm thick) 100 mm x100 mm for outflow tract. The brochure containing the necessary details on the dimensions and the material of the fabric has to be submitted. The specification for thickness has to be adhered whereas the length or width can exceed the specified.	2	Nos
2.489	PTFE patch (0.9 mm thick) 150 mm x150 mm for outflow tract. The brochure containing the necessary details on the dimensions and the material of the fabric has to be submitted. The specification for thickness has to be adhered whereas the length or width can exceed the specified.	2	Nos
2.490	Polyester Felt 1.65 mm thick - 150mm x 150 mm The brochure containing the necessary details on the dimensions and the material of the fabric has to be submitted. The specification for thickness has to be adhered whereas the length or width can exceed the specified.	5	Nos
2.491	PTFE Felts - 1.65 mm thick 12 mm x 100 mm	2	Nos
2.492	PTFE Felts - 1.65 mm thick 25 mm x 25 mm	2	Nos
2.493	PTFE Felts - 1.65 mm thick 25 mm x 100 mm	2	Nos
2.494	PTFE Felts - 1.65 mm thick 25 mm x 150 mm	2	Nos

2.495	PTFE Felts - 1.65 mm thick 50 mm x 50 mm	2	Nos
2.496	PTFE Felts - 1.65 mm thick 100 mm x 100 mm	2	Nos
2.497	PTFE Felts - 1.65 mm thick 150 mm x 150 mm	2	Nos
2.498	PTFE Felt with low porosity - 1.85 mm thick - 25 mm x 25 mm (for aortic graft anastamotic line augmentation). The brochure containing the necessary details on the dimensions and the material of the fabric has to be submitted. The specification for thickness has to be adhered whereas the length or width can exceed the specified.	2	Nos
2.499	PTFE Felt with low porosity -1.85 mm thick - 100 mmx 100 mm (for aortic graft anastamotic line augmentation). The brochure containing the necessary details on the dimensions and the material of the fabric has to be submitted. The specification for thickness has to be adhered whereas the length or width can exceed the specified.	2	Nos
2.500	PTFE Felt with low porosity -1.85 mm thick - 150mm x150 mm (for aortic graft anastamotic line augmentation). The brochure containing the necessary details on the dimensions and the material of the fabric has to be submitted. The specification for thickness has to be adhered whereas the length or width can exceed the specified.	2	Nos
2.501	Tissue engineered pericardial patch 4 cm x 4 cm with intact extracellular matrix devoid of bovine cells -treated with anticalcification technology without Gluteraldehyde treatment - non-cytotoxic ,non-antigenic, nonthrombogenic, flexible & ultrathin (2 to 5mm thick) with good suturability with at least 1 year shelf life.	2	Nos
2.502	Tissue engineered pericardial patch 6 cm x 6 cm with intact extracellular matrix devoid of bovine cells -treated with anticalcification technology without Gluteraldehyde treatment - non-cytotoxic ,non-antigenic, nonthrombogenic, flexible & ultrathin (2 to 5mm thick) with good suturability with at least 1 year shelf life.	2	Nos

2.503	Tissue engineered pericardial patch 8 cm x 8 cm with intact extracellular matrix devoid of bovine cells -treated with anticalcification technology without Gluteraldehyde treatment - non-cytotoxic ,non-antigenic, nonthrombogenic, flexible & ultrathin (2 to 5mm thick) with good suturability with at least 1 year shelf life.	5	Nos
2.504	Tissue engineered pericardial patch 10cm x 10 cm with intact extracellular matrix devoid of bovine cells -treated with anticalcification technology without Gluteraldehyde treatment - non-cytotoxic ,non-antigenic, nonthrombogenic, flexible & ultrathin (2 to 5mm thick) with good suturability with at least 1 year shelf life.	5	Nos
2.505	PTFE pledgets Thickness x breadth & length : 0.5mm x 3 mm x 3 mm For vascular and cardiac sutures - Specify the number of pledgets in a pack and the rate of the pack clearly. SPR	200	Nos
2.506	PTFE pledgets Thickness x breadth & length : 1 mm x 3 mm x 3 mm For vascular and cardiac sutures - Specify the number of pledgets in a pack and the rate of the pack clearly. SPR	200	Nos
2.507	PTFE pledgets Thickness x breadth & length : 1 mm x 3 mm x 6 mm For vascular and cardiac sutures - Specify the number of pledgets in a pack and the rate of the pack clearly. SPR	200	Nos
2.508	PTFE pledgets Thickness x breadth & length : 1.5mm x 3 mm x 3 mm For vascular and cardiac sutures - Specify the number of pledgets in a pack and the rate of the pack clearly. SPR	200	Nos
2.509	PTFE pledgets Thickness x breadth & length : 1.5mm x 3 mm x 6 mm For vascular and cardiac sutures - Specify the number of pledgets in a pack and the rate of the pack clearly. SPR	200	Nos
2.510	PTFE FELT pledgets Thickness x breadth & length : 1.65 mm x 4.8mm x 6 mm For vascular and cardiac sutures - Specify the number of pledgets in a pack and the rate of the pack clearly. SPR	200	Nos

2.511	PTFE FELT pledgets Thickness x breadth & length : 1.65 mm x 6 mm x 6 mm For vascular and cardiac sutures - Specify the number of pledgets in a pack and the rate of the pack clearly. SPR	20	Nos
2.512	Topical hemostatic : Fibrinogen- human thrombin- aprotinin - in prefilled syringes applicator with a total volume of 10 ml in a pack. SPR	20	Nos
2.513	Topical hemostatic : Polyethylene glycol - 4 ml for raw surfaces of lung for hemostatic and also for preventing air leak and also preventive usage in cardiac / vascular suture lines	20	Nos
2.514	Topical hemostatic - Albumin glutar-aldehyde glue -Total volume of 10ml per pack contained in the prefilled syringes and forming a strong but flexible layer of seal- compatible to fix the separated layers of dissected aorta. To be provided with suitable applicator for focused local application.	20	Nos
2.515	Topical bio-absorbable hemostatic: Non-oxidative cellulose 5 x 5 cm - hemostatic acting by non--oxidative chemical reaction using cellulose as a substance.	20	Nos

2.516	<p>Tracheal stents (fully covered) - Straight type. Should have radioopaque markers at both the ends. The purchase will be done as when needed on SOS basis (Consignment mode) in which case, a set of various sizes of stents to be brought on the day of procedure and after the usage the rest of the stents can be taken back. The various available sizes and length may be mentioned while quoting. The most commonly used two sizes will be purchased at first as an emergency stock and the rest of the purchase will be by consignment mode. Size ordered will be based on the patient's condition</p>	1	Nos
2.517	<p>Tracheal stents (fully covered) - Bifurcated Y type Should have radioopaque markers at all the three ends. The purchase will be done as when needed on SOS basis (Consignment mode) in which case, a set of various sizes of stents to be brought on the day of procedure and after the usage the rest of the stents can be taken back. The various available sizes and length may be mentioned while quoting. The most commonly used two sizes will be purchased at first as an emergency stock and the rest of the purchase will be by consignment mode. Size ordered will be based on the patient's condition</p>	1	Nos
2.518	<p>Bronchial stents (fully covered) - Straight type. Should have radioopaque markers at both the ends. The purchase will be done as when needed on SOS basis (Consignment mode) in which case, a set of various sizes of stents to be brought on the day of procedure and after the usage the rest of the stents can be taken back. The various available sizes and length may be mentioned while quoting. The most commonly used two sizes will be purchased at first as an emergency stock and the rest of the purchase will be by consignment mode. Size ordered will be based on the patient's condition</p>	1	Nos
2.519	<p>Guidewire for deploying the tracheal stent - the selection will be based on the compatibility with the brand selected for the Tracheal stent .</p>	2	Nos

2.520	Thoracic aortic stent grafts - Straight type : To be supplied with the suitable delivery system with smallest possible catheter outer diameter. The stent should be MRI compatible. The purchase will be done as when needed, in which case, a set of various sizes of stents to be brought on the day of surgery and after the usage the rest of the stents can be taken back - i.e consignment mode . The various available sizes and length may be mentioned while quoting . (Size ordered will be based on the patient's condition)	sos	Nos
2.521	Thoracic aortic stent grafts - Bifurcated Y type : To be supplied with the suitable delivery system with smallest possible catheter outer diameter. The stent should be MRI compatible. The purchase will be done as when needed, in which case, a set of various sizes of stents to be brought on the day of surgery and after the usage the rest of the stents can be taken back - i.e consignment mode . The various available sizes and length may be mentioned while quoting . (Size ordered will be based on the patient's condition)	sos	Nos
2.522	Sterile Guidewire suitable to fit 16G needle - for Seldinger technique - with minimum length of 50 cm - SPR	50	Nos
2.523	Sterile Guidewire suitable to fit 18G needle - for Seldinger technique - with minimum length of 50 cm - SPR	100	Nos
2.524	Sterile Guidewire suitable to fit 20G needle - for Seldinger technique - with minimum length of 50 cm - SPR	20	Nos
2.525	Sterile Guidewire suitable to fit 22G needle - for Seldinger technique - with minimum length of 50 cm - SPR	20	Nos
2.526	Sterile Guidewire - 0.038 inch for femoral vessel cannulation	50	Nos

2.527	Femoral puncture needle - 16G - for Seldinger technique - at least 180 -200 cm long. SPR.	50	Nos
2.528	CABG drape kit with 9 components: (Totally 15+1 parts in a pack) Go through the link for detailed specifications: https://docs.google.com/document/d/1yOTEiRccpX3apBvgbX438OyfICTzx77sPLQ3Xk4ZapA/edit	200	Nos
2.529	General open heart drape kit containing the following components. (Totally 10+1 parts in a pack) Go through the link for detailed specifications: https://docs.google.com/document/d/1_H3eESdoj0TiCagChls5BVnMXGQf3lW9PTYpavhcKE/edit?usp=sharing	500	Nos
2.530	Sternal Wound Dressing Pad - Sterile adhesive polyurethane film with absorbent pad, 20 x 10 cm - SPR	500	Nos
2.531	Montogomer T-type Silicon tracheostomy tube - SPR	10	Nos
2.532	Double lumen endotracheal tube (DLET) - Left sided- 26F Transparent Double lumen cuffed endobronchial tube having smooth gliding surface radioopaque line & sensitive pilot balloons with separate color coding for bronchial and tracheal lumens and balloons. (SPR for for any one size)	5	Nos
2.533	Double lumen endotracheal tube (DLET) - Left sided- 28F Transparent Double lumen cuffed endobronchial tube having smooth gliding surface radioopaque line & sensitive pilot balloons with separate color coding for bronchial and tracheal lumens and balloons. (SPR for for any one size)	5	Nos
2.534	Double lumen endotracheal tube (DLET) - Left sided- 32F Transparent Double lumen cuffed endobronchial tube having smooth gliding surface radioopaque line & sensitive pilot balloons with separate color coding for bronchial and tracheal lumens and balloons. (SPR for for any one size)	5	Nos

2.535	Double lumen endotracheal tube (DLET) - Left sided- 35F Transparent Double lumen cuffed endobronchial tube having smooth gliding surface radioopaque line & sensitive pilot balloons with separate color coding for bronchial and tracheal lumens and balloons. (SPR for for any one size)	5	Nos
2.536	Double lumen endotracheal tube (DLET) - Left sided- 37F Transparent Double lumen cuffed endobronchial tube having smooth gliding surface radioopaque line & sensitive pilot balloons with separate color coding for bronchial and tracheal lumens and balloons. (SPR for for any one size)	5	Nos
2.537	Double lumen endotracheal tube (DLET) - Left sided- 39F Transparent Double lumen cuffed endobronchial tube having smooth gliding surface radioopaque line & sensitive pilot balloons with separate color coding for bronchial and tracheal lumens and balloons. (SPR for for any one size)	5	Nos
2.538	Double lumen endotracheal tube (DLET) - Left sided- 41F Transparent Double lumen cuffed endobronchial tube having smooth gliding surface radioopaque line & sensitive pilot balloons with separate color coding for bronchial and tracheal lumens and balloons. (SPR for for any one size)	5	Nos
2.539	Double lumen endotracheal tube (DLET) - Right sided- 26F Transparent Double lumen cuffed endobronchial tube having smooth gliding surface radioopaque line & sensitive pilot balloons with separate color coding for bronchial and tracheal lumens and balloons. (SPR for for any one size)	5	Nos
2.540	Double lumen endotracheal tube (DLET) - Right sided- 28F Transparent Double lumen cuffed endobronchial tube having smooth gliding surface radioopaque line & sensitive pilot balloons with separate color coding for bronchial and tracheal lumens and balloons. (SPR for for any one size)	5	Nos
2.541	Double lumen endotracheal tube (DLET) - Right sided- 32F Transparent Double lumen cuffed endobronchial tube having smooth gliding surface radioopaque line & sensitive pilot balloons with separate color coding for bronchial and tracheal lumens and balloons. (SPR for for any one size)	5	Nos

2.542	Double lumen endotracheal tube (DLET) - Right sided- 35F Transparent Double lumen cuffed endobronchial tube having smooth gliding surface radioopaque line & sensitive pilot balloons with separate color coding for bronchial and tracheal lumens and balloons. (SPR for for any one size)	5	Nos
2.543	Double lumen endotracheal tube (DLET) -Right sided- 37F Transparent Double lumen cuffed endobronchial tube having smooth gliding surface radioopaque line & sensitive pilot balloons with separate color coding for bronchial and tracheal lumens and balloons. (SPR for for any one size)	5	Nos
2.544	Double lumen endotracheal tube (DLET) - Right sided- 39F Transparent Double lumen cuffed endobronchial tube having smooth gliding surface radioopaque line & sensitive pilot balloons with separate color coding for bronchial and tracheal lumens and balloons. (SPR for for any one size)	5	Nos
2.545	Double lumen endotracheal tube (DLET) -Right sided- 41F Transparent Double lumen cuffed endobronchial tube having smooth gliding surface radioopaque line & sensitive pilot balloons with separate color coding for bronchial and tracheal lumens and balloons. (SPR for for any one size)	5	Nos
2.546	Endo-bronchial blockers - with balloon - Ardnt type - For one lung ventilation - Wire loop guide and suitable adapter for bronchoscope.	20	Nos
2.547	Endo-bronchial blockers - with balloon -Cohen type - For one lung ventilation with flexible defelcting tip with suitable adapter to facilitate bronchoscope.	20	Nos
2.548	Endo-bronchial blockers - with balloons - EZ type - with Y-tipped For one lung ventilation	20	Nos
2.549	Ultrasonic Nebulizer - SPR for demonstration. Or product catalogue brochure with figure to be submitted.	10	Nos

2.550	Soft vinyl percussors for performing chest physiotherapy in different sizes	20	Nos
2.551	Electro Surgical (cautery) pencils - (electrosurgical electrode) with Long arm - Spatula tip & hand control of twin switch type for cutting and coagulation modes- Should be Compatible with Martin & Alan Cautery (electrosurgical) machines. Preferable dimensions: shaft diameter less than 2.5 mm. Shaft length -130-140 mm Spatula dimension - about 20 x 2.5 x 0.5 mm Appropriate certification for electrical safety should be confirmed. - SPR	200	Nos
2.552	Disposable Microscalpel with high quality micro-blade attached for coronary arteriotomy - SPR	50	Nos
2.553	Sterile cover for Echocardiographic probe For use in the operative -field. Should fit universally all ultrasound probes commonly used during cardiac surgery with special fold to accommodate the probe end without wrinkles. Should be made up of clear transparent latex free medical grade material - polythene. Length of cover - 150 cm; Width of the cover - 10 cm. The kit should also contain securing tapes to hold the cover around the probe and preferably with ultrasound transmission gel - pack.	20	Nos
3.000	NON-CONSUMABLES		
3.554	De bakey Straight Fine Vascular Forceps - Short (18cm) jaw (1.5 x 14mm) 5mm wide shaft	5	Nos
3.555	De bakey Straight Fine Vascular Forceps - Medium (25cm) jaw (1.5 x 14mm) 5mm wide shaft	5	Nos
3.556	De bakey Straight Fine Vascular Forceps - Long (30cm) jaw (1.5 x 14mm) 5mm wide shaft	5	Nos
3.557	De bakey Angled 45° Fine Vascular Fine Forceps - Short (18cm) with smooth jaw (1.5 x 14 mm) & 5mm wide shaft - for IMA dissection	5	Nos
3.558	De bakey Angled 45° Fine Vascular Forceps - - Medium (25 cm) with smooth jaw (1.5 x 14 mm) & 5mm wide shaft - for IMA dissection	5	Nos

3.559	De bakey Angled 45° Fine Forceps Vascular - Long (30 cm) with smooth jaw (1.5 x 14 mm) & 5mm wide shaft - for IMA dissection	5	Nos
3.560	De bakey Double Action Straight Fine Vascular Forceps - Short (18cm) - with 1x2 teeth - jaw (1.5 x 10mm) 4-5mm wide shaft	5	Nos
3.561	De bakey Double Action Straight Fine Vascular Forceps - Medium (25cm) - with 1x2 teeth - jaw (1.5 x 10mm) 4-5mm wide shaft	5	Nos
3.562	De bakey Double Action Straight Fine Vascular Forceps - Long (30cm) - with 1x2 teeth - jaw (1.5 x 10mm) 4-5mm wide shaft	5	Nos
3.563	De bakey Double Action Straight Vascular Forceps - Short (18cm) with 1x2 teeth-jaw (2.5-2.8 x 12mm) 4-6mm wide shaft	5	Nos
3.564	De bakey Double Action Straight Vascular Forceps - Medium (25cm) with 1x2 teeth-jaw (2.5-2.8 x 12mm) 4-6mm wide shaft	5	Nos
3.565	De bakey Double Action Straight Vascular Forceps - Long (30cm) with 1x2 teeth-jaw (2.5-2.8 x 12mm) 4-6mm wide shaft	5	Nos
3.566	De bakey Double Action Straight Tissue Forceps - Short (18cm) with 1x2 teeth-jaw (3 x 14 mm) 4-6mm wide shaft	5	Nos
3.567	De bakey Double Action Straight Tissue Forceps - Medium (25cm) with 1x2 teeth-jaw (3 x 14mm) 4-6mm wide shaft	5	Nos
3.568	De bakey Double Action Straight Tissue Forceps - Long (30cm) with 1x2 teeth-jaw (3 x 14 mm) 4-6mm wide shaft	5	Nos
3.569	De bakey Double Action Extra-large Straight Tissue Forceps - Short (18cm) with 3 x2 teeth - jaw (5 x 28 mm) 4-6mm wide shaft	3	Nos
3.570	De bakey Double Action Extra-large Straight Tissue Forceps - Medium (25 cm) with 3 x2 teeth - jaw (5 x 28 mm) 4-6mm wide shaft	3	Nos

3.571	De bakey Double Action Extra-large Straight Tissue Forceps - Long (30cm) with 3 x2 teeth - jaw (5 x 28 mm) 4-6mm wide shaft	3	Nos
3.572	Resano Atraumatic Forceps - Short (18 cm) - Straight jaws -2.5 -3 mm x 14 mm &4-6 mm wide shaft.	2	Nos
3.573	Resano Atraumatic Forceps - Medium (25 cm) - Straight jaws -2.5 -3 mm x 14 mm & 4-6 mm wide shaft.	2	Nos
3.574	Resano Atraumatic Forceps - long (30 cm) - Straight jaws -2.5 -3 mm x 14 mm & 4-6 mm wide shaft.	2	Nos
3.575	Resano Atraumatic Double action Forceps - Short (18 cm) - Straight jaws - 14 mm & 4-6 mm wide shaft.	2	Nos
3.576	Resano Atraumatic Double action Forceps -Medium (25 cm) - Straight jaws -14 mm & 4-6 mm wide shaft.	1	Nos
3.577	Resano Atraumatic Double action Forceps - Long (30 cm) - Straight jaws 14 mm &4-6 mm wide shaft.	1	Nos
3.578	Resano Atraumatic Double action Large Forceps - Short (18 cm) - Straight jaws - 18 mm & 4-6 mm wide shaft.	2	Nos
3.579	Resano Atraumatic Double action Large Forceps -Medium (25 cm) - Straight jaws 18 mm & 4-6 mm wide shaft.	2	Nos
3.580	Resano Atraumatic Double action Large Forceps - Long (30 cm) - Straight jaws -18 mm & 4-6 mm wide shaft.	2	Nos
3.581	Gemini Double Action Dilating, Curved, Smooth Forceps (31-37 cm long) with 1 x 2 teeth, Jaw length - 30 mm, Shaft dia 4-6 mm	2	Nos
3.582	Rongeur for Valve - 30° Curved Tip (31-37 cm long) Jaw size - 3.5 mm Shaft dia: 4-6 mm	2	Nos
3.583	Rongeur for Valve - Straight Tip (31-37 cm long) Jaw size - 3.5 mm Shaft dia : 4-6 mm	2	Nos

3.584	Debakey -Chitwood Aortic Cross Clamp - 30 - 36 cm Jaw size - 120 mm - (2 x 3 Teeth)		2	Nos
3.585	Debakey -Chitwood Aortic Cross Clamp - 30 - 36 cm Jaw size - 90 mm - (2 x 3 Teeth)		2	Nos
3.586	Debakey -Chitwood Aortic Cross Clamp - 30 - 36 cm Jaw size - 60 mm - (2 x 3 Teeth)		2	Nos
3.587	Debakey -Chitwood Aortic Cross Clamp -Slim - 30 - 36 cm Jaw size - 120 mm - (1 x 2 Teeth)		2	Nos
3.588	Debakey -Chitwood Aortic Cross Clamp -Slim 30 - 36 cm size - 90 mm - (1 x 2 Teeth)	Jaw	2	Nos
3.589	Debakey -Chitwood Aortic Cross Clamp - Slim 30 - 36 cm size - 60 mm - (1 x 2 Teeth)	Jaw	2	Nos
3.590	Cosgrove type flexible shaft aortic/ vascular atrumatic Clamp - Fogarty type 18 inches long with straight jaw (30-35 mm) with insert.		2	Nos
3.591	Spare Inserts (30-35 mm) for Cosgrove clamps compatible to the brand selected for the clamp mentioned in the item no. NC37 Mention the cost of a pair of the insert		2	Nos
3.592	Cosgrove type flexible shaft aortic/ vascular atrumatic Clamp - Fogarty type - 18 inches long with straight jaw (60-65 mm) with inserts.		2	Nos
3.593	Spare Inserts (60-65 mm) for Cosgrove clamps compatible to the brand selected for the clamp mentioned in the item no. NC39 Mention the cost of a pair of the insert		2	Nos
3.594	Cosgrove type flexible shaft aortic/ vascular atrumatic Clamp - Fogarty type 18 inches long with straight jaw (85-90 mm) with inserts.		2	Nos
3.595	Spare Inserts (85-90 mm) for Cosgrove clamps compatible to the brand selected for the clamp mentioned in the item no. NC41 Mention the cost of a pair of the insert		2	Nos

3.596	Nerve or Vessel Hook - Ball tip Total length : 32-37 cm with working length -23 cm Tip length : 10 mm	2	Nos
3.597	Nerve or Vessel Hook- Fine tip Total length : 32-37 cm with working length -23 cm Tip size : 1 x 6 mm	2	Nos
3.598	Nerve or Vessel Hook Standard tip Total length : 32-37 cm with working length -23 cm Jaw Size: 2 x 10 mm	2	Nos
3.599	Nerve or Vessel Hook - 90° with fine tip. Total length : 32-37 cm with working length -24-28 cm Jaw length : 4-7 mm	2	Nos
3.600	Jacobson microscissors 25° - round handle -16 to 20 cm	2	Nos
3.601	Jacobson microscissors 45° - round handle -16 to 20 cm	2	Nos
3.602	Jacobson microscissors 60° - round handle -16 to 20 cm	3	Nos
3.603	Jacobson microscissors 90° - round handle -16 to 20 cm	1	Nos
3.604	Jacobson microscissors 125° - round handle -16 to 20 cm	2	Nos
3.605	Potts / Potts Smith / Diethrich-Potts Scissors 25° - (16 to 20 cm)	1	Nos
3.606	Potts / Potts Smith / Diethrich-Potts Scissors 45° - (16 to 20 cm)	2	Nos
3.607	Potts / Potts Smith / Diethrich-Potts Scissors 60° - (16 to 20 cm)	3	Nos
3.608	Potts / Potts Smith / Diethrich-Potts Scissors 90° - (16 to 20 cm)	1	Nos

3.609	Potts / Potts Smith / Diethrich-Potts Scissors 125° - (16 to 20 cm)	2	Nos
3.610	Iris scissors - ring handle with fine straight tips -10 to 12 cm	3	Nos
3.611	Iris scissors - round handle with fine straight tips -10 to 12 cm	3	Nos
3.612	DeBakey Scissors 25° - (16 to 20 cm) - Ring handle	2	Nos
3.613	DeBakey Scissors 45° - (16 to 20 cm) - Ring handle	2	Nos
3.614	DeBakey Scissors 60° - (16 to 20 cm) - Ring handle	3	Nos
3.615	DeBakey Scissors 90° - (16 to 20 cm) - Ring handle	1	Nos
3.616	DeBakey Scissors 125° - (16 to 20 cm) - Ring handle	1	Nos
3.617	Favaloro vascular scissors 125° - (16 to 20 cm) - Ring handle	1	Nos
3.618	Metzenbaum Scissors (Standard) 16-20 cm - curved blades - ring handle	10	Nos
3.619	Metzenbaum Scissors (Long) 20-25 cm - curved blades - ring handle	10	Nos
3.620	Metzenbaum Scissors (Extra-long) 30-32 cm - curved blades - ring handle	5	Nos
3.621	Mayo scissors - Straight round - standard - 17-20 cm	5	Nos

3.622	Mayo scissors - Curved round - standard - 19-23 cm	5	Nos
3.623	Mayo-Harrington scissors - straight - 30-32 cm	5	Nos
3.624	Wire Cutter - double action -Tungsten carbide edge 17-20 cm	10	Nos
3.625	Rib shears (Gluck type)- 18-20 cm	5	Nos
3.626	Rib shears (Bethune) - 32-36 cm	2	Nos
3.627	Yankauer Suction tube - 28-35 cm	50	Nos
3.628	Standard Scalpel Handle - Short 12-14 cm for blade No.10	10	Nos
3.629	Standard Scalpel Handle - Short 12-14 cm for blade No.11	10	Nos
3.630	Standard Scalpel Handle - Short 12-14 cm for blade No.15	10	Nos
3.631	Standard Scalpel Handle - Short 12-14 cm for blade No.23	10	Nos
3.632	Standard Scalpel Handle - Long 21-23 cm for blade No.10	10	Nos

3.633	Standard Scalpel Handle - Long 21-23 cm for blade No.11	10	Nos
3.634	Standard Scalpel Handle - Long 21-23 cm for blade No.15	10	Nos
3.635	Standard Scalpel Handle - Long 21-23 cm for blade No.23	10	Nos
3.636	Jacobson needle holder - Long (24-25 cm) for 2-0,3-0 & 4-0 sutures with Diamond Coated straight jaws & spring style round handle with ratchet & stream line box lock	5	Nos
3.637	Jacobson needle holder - Short (18-20 cm) for 2-0,3-0 & 4-0 sutures with Diamond Coated straight jaws & spring style round handle with ratchet & stream line box lock	5	Nos
3.638	Jacobson needle holder - Long (22-24 cm) for 5-0 & 6-0 sutures with Diamond Coated straight jaws & spring style round handle with ratchet & stream line box lock	5	Nos
3.639	Jacobson needle holder - Short (18-20 cm) for 5-0 & 6-0 sutures with Diamond Coated straight jaws & spring style round handle with ratchet & stream line box lock	5	Nos
3.640	Jacobson micro-needle holder - Long (22-24 cm) for 7-0 & 8-0 sutures with Diamond Coated straight jaws & spring style round handle with ratchet & stream line box lock	5	Nos
3.641	Jacobson micro-needle holder - Short (18-20 cm) for 7-0 & 8-0 sutures with Diamond Coated straight jaws & spring style round handle with ratchet & stream line box lock	5	Nos

3.642	Richards Micro Needle Holder -18-20 cm for 6-0, 7-0 & 8-0 sutures Diamond coated tip with straight jaws & Ring handle with ratchet	5	Nos
3.643	Ryders Needle Holder 18-20 cm for 5-0 sutures with - Diamond coated tip with straight jaws & Ring handle with ratchet	5	Nos
3.644	DeBakey Needle Holder 24-25 cm for 5-0 sutures with - Diamond coated tip with straight jaws & Ring handle with ratchet	5	Nos
3.645	DeBakey Needle Holder 15-16 cm for 2-0, 3-0 & 4-0 sutures with - Diamond coated tip with straight jaws & Ring handle with ratchet	5	Nos
3.646	DeBakey Needle Holder 20-22 cm for 2-0, 3-0 & 4-0 sutures with - Diamond coated tip with straight jaws & Ring handle with ratchet	5	Nos
3.647	Hegar vascular needle holder with 1 mm wide jaw - 23-25 cm with Tungsten carbide edges Ring handle, - with ratchet	5	Nos
3.648	Hegar vascular needle holder with 1 mm wide jaw - 20-21 cm with Tungsten carbide edges Ring handle, - with ratchet	5	Nos
3.649	Hegar vascular needle holder with 1 mm wide jaw - 18-19 cm with Tungsten carbide edges - Ring handle, - with ratchet	5	Nos
3.650	Hegar vascular needle holder with 1 mm wide jaw - 14-15 cm with Tungsten carbide edges - Ring handle, - with ratchet	5	Nos
3.651	Titanium Dennis Micro-forceps (straight) - 1 mm ring tip - 18-20 cm counter - balanced Round handle with Diamond coating -	3	Nos

3.652	Titanium Dennis Micro-forceps (straight) -pointed platform tip - 18-20 cm - counter-balanced Round handle with Diamond coating -	3	Nos
3.653	Titanium Dennis Micro-forceps straight standard 1mm tip 18-20 cm Round handle with Diamond coating	3	Nos
3.654	Titanium Gerald Micro-forceps straight ring tip 1mm -18-20 cm - Round handle & Diamond coating	3	Nos
3.655	Titanium Gerald Micro-forceps straight platform tip 1mm 18-20 cm - Flat handle & Diamond coating	3	Nos
3.656	Titanium Gerald Micro-forceps straight tip 1mm 18-20 cm - with flat handle	3	Nos
3.657	Titanium DeBakey Dissection -forceps -straight tip 1mm 18-20 cm -flat handle	3	Nos
3.658	Titanium DeBakey Dissection -forceps -straight tip 2 mm 18-20 cm -flat handle	3	Nos
3.659	Hegar heavy needly holder - 20 cm with Tungsten Carbide edges - jaw width tapering from 5 mm to 3 mm with jaw length about 20 mm	10	Nos
3.660	Heavy & long needle holder - 27 cm with Tungsten Carbide edges - jaw width tapering from 5 mm to 3 mm with jaw length about 20 mm	10	Nos

- **Samples should be submitted to the Department of CTVS within 10 of opening the bid.**

Section-III

GENERAL INSTRUCTIONS TO TENDERERS

1. Period of contract:

The contract shall initially be for a period of **one year** that may be extended to **6 months**. The rates approved shall remain unchanged during the period of contract.

2. Bid Security (Earnest Money Deposit)

- i. In compliance with the OM No. F.9/4/2020-PPD dated 12.11.2020 on the subject —Bid Security/ Earnest Money Deposit, issued by the Procurement Policy Division, Department of Expenditure, Ministry of Finance, Government of India, there is no need for bidders to pay Bid Security/ Earnest Money Deposit for participating in this tender.
- ii. However, in lieu of Bid Security, the bidder must print this —Bid Security Declaration on his/her firm's letterhead duly sign the undertaking and upload the document in the fee cover.
- iii. The bidder hereby declares that they accept the condition that if they withdraw or modify their bids during period of validity etc., they will be suspended for a period of two years from participating in any tender invited by JIPMER, Puducherry with effect from the date of their withdrawal or modification of their bid.

3. Eligibility conditions of bidders:

- i. The Tenderer must be a domestic manufacturer that is a 'Class-I local supplier' or a 'Class-II local supplier' as defined under Public Procurement (Preference to Make in India), order 2017 of MoC and I (DIPP), Govt. Of India, as further amended by orders of even number dated 28.05.2018, 29.05.2019, 04.06.2020 and 16.09.2020. In case the manufacturer does not quote directly, they may authorize an agent as per proforma of Manufacturer authorization form as given in the Tender enquiry document to quote and enter into a contractual obligation.
- ii. In compliance with order (Public Procurement No.1) No. 6/18/2019-PPD dated 23rd July 2020 issued by the Public Procurement Division, Dept. of Expenditure, Min of Finance under Rule 144(xi) of GFR 2017 any bidder 'from a country which shares a land border with India will be eligible to bid in this tender only if the bidder is registered with the Competent Authority.
 - a. "Bidder" (including the term 'tenderer', 'consultant' or 'service provider' in certain contexts) means any person or firm or company, including any member of a consortium or joint venture (that is an association of several persons, or firms or companies), every artificial juridical person not falling in any of the descriptions of bidders stated hereinbefore, including any agency branch or office controlled by such person, participating in a procurement process.
 - b. "Bidder from a country which shares a land border with India" for the purpose of this Order means: -

- I. An entity incorporated, established or registered in such a country; or
- II. A subsidiary of an entity incorporated, established or registered in such a country; or
- III. An entity substantially controlled through entities incorporated, established or registered in such a country; or
- IV. An entity whose beneficial owner is situated in such a country; or
- V. An Indian (or other) agent of such an entity; or
- VI. A natural person who is a citizen of such a country; or
- VII. A consortium or joint venture where any member of the consortium or joint venture falls under any of the above

c. The beneficial owner for the purpose of (5.2.2) above will be as under:

- I. In case of a company or Limited Liability Partnership, the beneficial owner is the natural person(s), who, whether acting alone or together, or through one or more juridical person, has a controlling ownership interest or who exercises control through other means.

Explanation—

- "Controlling ownership interest" means ownership of or entitlement to more than twenty-five per cent, of shares or capital or profits of the company;
 - "Control" shall include the right to appoint majority of the directors or to control the management or policy decisions including by virtue of their shareholding or management rights or shareholders agreements or voting agreements;
- II. In case of a partnership firm, the beneficial owner is the natural person(s) who, whether acting alone or together, or through one or more juridical person, has ownership of entitlement to more than fifteen percent of capital or profits of the partnership.
 - III. In case of an unincorporated association or body of individuals, the beneficial owner is the natural person(s), who, whether acting alone or together, or through one or more juridical person, has ownership of or entitlement to more than fifteen percent of the property or capital or profits of such association or body of individuals.
 - IV. Where no natural person is identified under (a) or (b) or (c) above, the beneficial owner is the relevant natural person who holds the position of senior managing official;
 - V. In case of a trust, the identification of the beneficial owner(s) shall include the identification of the author of the trust, the trustee, the beneficiaries with 15% or more interest in the trust and any other natural person exercising ultimate effective control over the trust through a chain of control or ownership.

d. An Agent is a person employed to do any act for another, or to represent another in dealings with third person.

e. In case of turnkey contracts, the successful bidder shall not be allowed to sub-contract works to any contractor from a country which shares a land border with India unless such contractor is registered with the Competent Authority.

- f. Bidders must certify compliance with the above mentioned provisions in the tender form as per Section VII.
- g. The bidder should have successfully completed the delivery of the item of at least 25% of the quantity required in this tender to a government hospital in the last 3 years.
- h. The bidder or the manufacturer must have an average annual turnover of at least Rs.1,00,00,000/-(Rupees one crore only) each during the last three financial years i.e. 2017-18, 2018-19, 2019-20.
- i. Bidder should have ISO Certification.

4. Purchase Preference

- i. The Procurement of goods and services under this e-tender will be regulated as per the applicable provisions of Public Procurement (Preference to Make in India), order 2017 of MoC and I (DIPP), Govt. Of India, as further amended by orders of even number dated 28.05.2018, 29.05.2019, 04.06.2020 and 16.09.2020. Salient portions of the order are reproduced in Appendix A of this tender document by way of information. Bidders are advised to see the original orders and satisfy themselves that they qualify to participate in the tender. Bidders who are claiming eligibility to participate in this tender must submit a certificate in format given in Appendix A along with documentary evidence in support of their claim wherever necessary failing which their bid will be summarily rejected. The purchaser reserves the right to give preference to the 'Class-I local supplier'.
- ii. The Purchaser reserves the right to give the purchase preference to small-scale sectors, Micro and small scale enterprises etc. as per the instruction in vogue while evaluating, comparing and ranking the responsive Tenders as given in the MSMED Act 2006 reproduced below:
 - a. In exercise of powers conferred in Section 11 of the Micro, Small and Medium Enterprises Development (MSMED) Act 2006, the Government has notified a new Public Procurement Policy for Micro & Small Enterprises effective from 1st April 2012. The policy mandates that 25% of procurement of annual requirement of goods and services by all Central Ministries/Public Sector Undertakings will be from the micro and small enterprises. The Government has also earmarked a sub-target of 4% procurement of goods & services from MSEs owned by SC/ST entrepreneurs out of above said 25% quantity.
 - b. In accordance with the above said notification, the participating Micro and Small Enterprises (MSEs) in a tender, quoting price within the band of L1+15% would also be allowed to supply a portion of the requirement by bringing down their price to the L1 price, in a situation where L1 price is from someone other than an MSE. Such MSEs would be allowed to supply up to 25% of the total tendered value. In case there are more than one such eligible MSE, the 25% supply will be shared equally. Out of 25% of the quantity earmarked for supply from MSEs, 5% quantity is earmarked for procurement from MSEs owned by SC/ST entrepreneurs. However, in the event of failure of such MSEs to participate in the Tender process or meet the

tender requirements and the L1 price, the 5% quantity earmarked for MSEs owned by SC/ST entrepreneurs will be met from other participating MSEs.

- c. The MSEs fulfilling the prescribed eligibility criteria and participating in the Tender shall enclose with their tender a copy of their valid registration certificate with District Industries Centres or Khadi and Village Industries Commission or Khadi and Village Industries Board or Coir Board or National Small Industries Corporation or any other body specified by Ministry of Micro and Small enterprises in support of their being an MSE, failing which their tender will be liable to be ignored.
- d. Special provision for Micro and Small Enterprise owned by women: – Out of the total annual procurement from Micro and Small Enterprises, 3 per cent from within the 25 per cent target shall be earmarked for procurement from Micro and Small Enterprises owned by women.
- e. Note: “If the bidder is a MSME, it shall declare in the bid document the Udyog Aadhar Memorandum Number issued to it under the MSMED Act, 2006. If a MSME bidder do not furnish the UAM Number along with bid documents, such MSME unit will not be eligible for the benefits available under Public Procurement Policy for MSEs Order 2012.

5. Demonstration of sample

The tenderer must give a sample within **ten** days of the closing of online submission of bids failing which the bids will be rejected.

6. Instructions for the filling the tender form

- i. E-Tender form shall be completed in all respect, signed in full and stamped at appropriate places and initialed and stamped on all remaining pages. Incomplete or e-tenders without tender processing fee, bid security declaration, Make-in-India self-certification as in Appendix-A only by original manufacturer, GFR 144 (xi) compliance certificate as in Section-X shall be treated as invalid.
- ii. Bidders have to ensure that all the documents are properly filled.
- iii. Conditional tenders are liable to be rejected.
- iv. Bids received and found valid will be evaluated by JIPMER to ascertain the complete work/services under the specification and documents. The bidder should take care to submit all the information sought by JIPMER in prescribed formats.
- v. Incomplete bids, bids in paper format, conditional bids, telephonic bids or tenders submitted after the due date and time will not be considered and summarily rejected. Vendors are, therefore, advised to submit their bids well on time.
- vi. **The bidder can quote for one or more items mentioned in the list. Bidder has to give all details (HSN, MSME, Make-in-India, make/brand, model, pack size and remark) mentioned in BOQ for all quoted items, failure of that the bid will be rejected summarily.**

7. Submission of tenders

The bidders must ensure that they submit the **on-line bids** within the scheduled closing date & time.

8. Late Tender:

There is NO PROVISION of uploading late tender beyond stipulated date & time in the e-tendering system.

9. Alteration and Withdrawal of Tender

- i. The bidder, after submitting its bid, is permitted to alter/modify its bid, within the deadline for submission of bids. Alterations/modifications to bids received after the prescribed deadline will not be possible on the e-tender portal.
- ii. No tender should be withdrawn or modified after the deadline for submission of tender and before expiry of the tender validity period. If a bidder withdraws or modifies the tender during this period, it will result in the tenderer being suspended from participating in all tenders invited by JIPMER for a period of two years with effect from the date of withdrawal, as per the terms and conditions of bid security declaration furnished by the bidder in its tender.

10. Preparation of e-tenders

This is a Two-Bid Tender system, consisting of the **Techno-Commercial Bid and Price Bid** that are to be uploaded in the prescribed formats in the e-tendering portal. The tender(s) shall only be submitted online as mentioned below:

I. **Techno-commercial Bid shall comprise**

- a. Fee Cover
 - i. **E-tender Processing fee** of Rs.590/- (Rupees five hundred and ninety only) inclusive of 18% GST payment **receipt** duly self-attested and rubber stamped should be uploaded.
 - ii. Scanned copy (100 or 200 DPI) in pdf format of **Bid Security Declaration** as per format attached in Section-IX
- b. In the cover named “Prequal/Technical” the scanned copy in pdf format of the following documents are to be uploaded:
 - i. The **Bidder’s Profile** as in Section-VI, **Tender Form** as in Section-VII must be downloaded duly filled signed and stamped, and an **Authorization letter** for signing tender documents if a person other than the Owner, Partner, Managing Director is signing the documents, must be uploaded as a single PDF file.

- ii. **Copies of Supply orders/Completion certificate** in support of Eligibility condition 1 and 2 and **Copies of abridged Annual report of last 03 years** (Income tax return acknowledgement, Assets and Liabilities, Balance sheet and Profit & Loss Account) must be uploaded as a single PDF file
- iii. **Manufacturer's Authorization letter** in company letterhead in format in given Section-VI and, in case the bidder is empaneled by the Competent Authority under **GFR 144 (xi) (mandatory)** a copy of the same or **GFR 144(xi) compliance certificate** as in Section-X must be uploaded.
- iv. Copy of Self Certified **GST registration certificate** and Copy of **PAN Card** must be uploaded as a single PDF file.
- v. **Bank Details** (Beneficiary name, Bank name, Account number, IFSC code, Branch address on letterhead) and **Check list** as in Section-VIII in the prescribed format duly filled and signed must be uploaded as a single PDF file.
- vi. Self-certification for supporting the claim to be a local supplier under the "Public Procurement preference to Make in India" order in format as in **Appendix-A (mandatory)** and any other document that the bidder wishes to submit as a single PDF file.
- vii. **A file mentioning the list of items without price** for which bidder is quoting must be uploaded as a single PDF file.

II. Price Bid:

Prices are to be quoted in the prescribed Price Bid format provided in the e-tender portal using the BOQ template only. The price should be quoted for the **accounting unit** indicated in the e-tender document.

Note:

- i) The bidder has to be diligent while filling up the Techno-Commercial Bid and Price Bid provided in prescribed formats and must not tamper with the contents of the sheets.
- ii) Bidders must ensure that the documents uploaded in pdf format are legible.
- iii) It is the responsibility of bidder to go through the Tender document to ensure furnishing all required documents in addition to above, if any.
- iv) The Make in India self-certification as in Appendix-A must be given and uploaded by original manufacture. The distributor can upload the Appendix-A given by original manufacture.
- v) ITE- Item-wise Eligibility Sheet should be downloaded, the items that the bidder wishes to quote must be selected as "Eligible", and this "ITE file" must also be uploaded for the price bid to be considered by the system. The selected items will be displayed once uploaded and the bidder can verify that all items he wishes to quote for, are present in the list
- vi) A person signing (manually or digitally) the tender form or any documents forming

part of the contract on behalf of another shall be deemed to warrant that he has authority to bind such other persons and if, on enquiry, it appears that the persons so signing had no authority to do so, the purchaser may, without prejudice to other civil and criminal remedies, cancel the contract and hold the signatory liable for all cost and damages.

- vii) A bid, which does not fulfill any of the above requirements and/ or give evasive information/reply against any such requirement, shall be liable to be ignored.
- viii) Tender sent by fax/telex/cable shall be ignored.

11. Digital Signing of Tender

The tenderers shall submit their tenders as per the instructions contained as above. Tenders shall be uploaded with all relevant tender documents in the prescribed format. The relevant tender documents should be uploaded by an authorized person having Class 3 digital signature certificate.

12. Tender currencies.

The tender shall be quoted only in INR.

13. Additional information and instruction on GST:

If the Tenderer desires to ask for GST or any other taxes to be paid extra, the same must be specifically stated. In the absence of any such stipulation, the price will be taken inclusive of such taxes and no claim for the same will be entertained later. The rate of GST quoted in the tender shall be taken for price comparison. However, the rate of GST quoted in the tender or the actual rate of GST applicable, whichever is lower shall be payable by the purchaser. The supplier can charge a higher GST than quoted in the tender only if the rate of GST was revised by the government after the tender closing date.

14. Bid Security (Earnest Money Deposit)

- i. In compliance with the OM No. F.9/4/2020-PPD dated 12.11.2020 on the subject —Bid Security/ Earnest Money Deposit^{tl}, issued by the Procurement Policy Division, Department of Expenditure, Ministry of Finance, Government of India, there is no need for bidders to pay Bid Security/ Earnest Money Deposit for participating in this tender.
- ii. However, in lieu of Bid Security, the bidder must print this —Bid Security Declaration^l on his/her firm's letterhead duly sign the undertaking and upload the document in the fee cover.
- iii. The bidder hereby declares that they accept the condition that if they withdraw or modify their bids during period of validity etc., they will be suspended for a period of two years from participating in any tender invited by JIPMER, Puducherry with effect from the date of their withdrawal or modification of their bid.

15. Tender opening

- i. The Tender Inviting Authority will open the e-tenders at the specified date and time and at the specified place as indicated in the NIT. In case the specified date of tender opening falls on / is subsequently declared a holiday or closed day for the Tender Inviting Authority, the tenders will be opened at the appointed time and

place on the next working day.

- ii. Authorized representatives of the tenderers, who have submitted tenders on time, may attend the tender opening provided they bring with them letters of authority from the corresponding tenderers. The tender opening official(s) will prepare a list of the representatives attending the tender opening. The list will contain the representatives' names & signatures and corresponding tenderers' names and addresses.
- iii. This being a Two-Bid Tender system, the **Techno-Commercial Tenders** are to be opened in the first instance, at the prescribed time and date as indicated in NIT. These Tenders shall be scrutinized and evaluated by the competent committee/ authority with reference to parameters prescribed in the tender document. During the Techno- Commercial Tender opening, the tender opening official(s) will read the salient features of the tenders like brief description of the goods offered, delivery period, bid security declaration and any other special features of the tenders, as deemed fit by the tender opening official(s). Thereafter, in the second stage, the Price bids of only the Techno - Commercially acceptable offers (as decided in the first stage) shall be opened for further scrutiny and evaluation on a date notified after the evaluation of the Techno-Commercial tender.

16. Scrutiny and evaluation of tenders

A. Basic Principle

Tenders will be evaluated on the basis of the terms & conditions already incorporated in the tender enquiry document, based on which tenders have been received and the terms, conditions etc. mentioned by the tenderers in their tenders. No new condition will be brought in while scrutinizing and evaluating the tenders.

B. Scrutiny of Tenders

- i. The Purchaser will examine the Tenders to determine whether they are complete, whether any computational errors have been made, whether required sureties have been furnished and, whether the documents uploaded are in legible form.
- ii. The Purchaser's determination of a Tender's responsiveness is to be based on the contents of the tender itself without recourse to extrinsic evidence.
- iii. The tenders will be scrutinized to determine whether they are complete and meet the essential and important requirements, conditions etc. as prescribed in the tender document. The tenders, which do not meet the basic requirements, are liable to be treated as non-responsive and will be summarily ignored.
- iv. The following are some of the important aspects, for which a tender shall be declared non-responsive during the evaluation and will be ignored;
 - i. Tender validity is shorter than the required period.
 - ii. Non-submission of Bid Security Declaration.
 - iii. Non-submission of receipt of tender processing fee.
 - iv. Non-submission of self-certification in format as given in Appendix-A only by original manufacturer, for determining eligibility to participate in the tender under the "Public Procurement preference to Make in India" order.
 - v. Non-submission of GFR-144 (xi) compliance certificate.

- vi. Tenderer has not agreed to give the required performance security of required amount in an acceptable form.
- vii. Non-submission of samples within ten days of the closing of online submission of bids
- viii. Poor/ unsatisfactory past performance.
- ix. Tenderers who stand de-registered/banned/blacklisted by any Central Govt. Ministries/Departments/Hospitals/Institutes.
- x. Tenderer is not eligible as per tender conditions.
- xi. Tenderer has not quoted for the entire quantity as specified in the List of Requirements/ BOQ for the item quoted.
- xii. Non-submission of all details of quoted items (HSN, MSME, Make-in-India, make/brand, model, pack size and remark).
- xiii. Tenderer has not agreed to other essential condition(s) specially incorporated in the tender enquiry, like delivery terms, delivery schedule, terms of payment, liquidated damages clause, warranty clause, dispute resolution mechanism applicable law.

17. Minor Informality/Irregularity/Non-Conformity

If during the preliminary examination, the purchaser find any minor informality and/or irregularity and/or non-conformity in a tender, the purchaser may waive the same provided it does not constitute any material deviation and financial impact and, also, does not prejudice or affect the ranking order of the tenders. Wherever necessary, the purchaser will convey its observation on such 'minor' issues to the tenderer by registered/speed post etc. asking the tenderer to respond by a specified date. If the tenderer does not reply by the specified date or gives evasive reply without clarifying the point at issue in clear terms, that tender will be liable to be ignored.

18. Award of work

- i. The selection of the agency will be at the sole discretion of the JIPMER who reserves its right to accept or reject any or all the proposals without assigning any reason thereof.
- ii. The lowest bid will be evaluated on the basis of annual estimated amount as quoted by bidders in the quotation including taxes.
- iii. Upon evaluation of offers the decision on the award of contract will be intimated to the successful bidder.
- iv. The annual estimate is given only as an indication. The actual quantity procured may increase or decrease. No assurance is given that the quantity stated will actually be procured.

Section-IV

GENERAL CONDITIONS OF CONTRACT

1. **Price of goods**

The rate quoted in the e-tender will be fixed for the whole contract period.

2. **Technical Specifications and Standards**

The Goods & Services to be provided by the supplier under this contract shall conform to the technical specifications mentioned in “Technical Specification” under Section II.

3. **Terms of Delivery**

- i. Goods shall be delivered by the supplier within 30 days of issue of supply order. Please note that the time shall be the essence of the contract.
- ii. Any unexcused delay by the supplier in maintaining its contractual obligations towards delivery of goods and performance of services shall render the supplier liable to any or all of the following sanctions:
 - a) Imposition of liquidated damages,
 - b) Forfeiture of its performance security and
 - c) Termination of the contract for default.

4. **Liquidated Damages**

If the supplier fails to deliver any or all of the goods or fails to perform the services within the time frame(s) incorporated in the contract, the Purchaser/Consignee shall, without prejudice to other rights and remedies available to the Purchaser/Consignee under the contract, deduct from the contract price, as liquidated damages, a sum equivalent to 0.5% per week of delay or part thereof on delayed supply of goods, installation, commissioning and/or services until actual delivery or performance subject to a maximum of 10% of the contract price. Once the maximum is reached Purchaser/Consignee may consider termination of the contract as per GCC 11. Since the Liquidated damages are in virtue of non-performance of services, it will attract GST or any other applicable taxes which in turn shall be deducted from the bidder.

5. **Performance Security**

The successful bidder shall have to deposit an amount 3% of the value of contract as Performance Security Deposit (PSD) within two weeks after award of contract, through SBI Collect available on JIPMER website. In the event of any failure /default of the supplier with or without any quantifiable loss to the purchaser, the amount of the performance security is liable to be forfeited.

Subject to the condition mentioned above the Performance Security will be released without any interest to the supplier on completion of the supplier's all contractual obligations

including the warranty obligations and extension of time (with or without Liquidated Damages).

6. Payment Procedure

The contractor shall submit bill in triplicate upon satisfactory supply of goods. Bill must be raised based on the rate quoted in e-tender. Every effort shall be made to ensure that the payment will be made within 45 days of submission of bill. No advance payment will be considered. TDS will be deducted as per provision of Income Tax Act, GST Acts and other statutes as relevant.

7. Risk Clause

The contractor shall at all times have standby arrangements for carrying out the work under the contract, in case of any failure of the existing arrangements. JIPMER reserves the right for termination of the contract at any time by giving 30 days written notice, if the items delivered are found to be unsatisfactory and also has the right to award the contract to the next higher bidder willing to supply the item at the cost, risk and responsibilities of contractor and excess expenditure incurred on account of this will be recovered by JIPMER from the contractor's Performance Security Deposit or pending bills or by raising a separate claim.

8. Termination clause:

During the period of agreement if it is found that the agency is not providing proper services, the JIPMER reserves rights to make the vendor forfeit the security deposit deposited with JIPMER or part thereof in favour of JIPMER and agreement will be terminated after giving 30 days' notice. Furthermore, in such situations, tender can be allotted to second lowest bidder and the difference in cost shall be recovered from the earlier vendor who is breach of the contract. In addition in case it is found that the supplier is charging by fraudulent means or indulging in criminal activities the contract will be terminated immediately.

9. Jurisdiction of the courts

Jurisdiction of the courts for settlement of disputes:- Jurisdiction for the settlements of disputes if any is Puducherry only.

In above mentioned conditions Director JIPMER reserves all the rights.

Section-V

BIDDER'S PROFILE

This form duly filled and signed by authorized representative of the bidder and the scanned copy must be uploaded online

1.	Name & Designation of the contact person	
2.	Name and Address of the Tenderer	
3.	Phone No a) Land line number (functional between 9 am and 5pm)	
4.	Mobile No of contact person (available from 9am to 6pm)	
5.	Email ID of the Tenderer	
6.	Email ID of the contact person	
7.	Local supplier/Distributor in Chennai/ Puducherry or any other place (complete address must be written)	
8.	Manufacture Name	
9.	Manufacture Address	
10	Whether Tenderer is registered MSE Manufacture the product quoted. (If registered MSE, submit copy of the Udyog Aadhaar certificate or Equivalent Certificate)	Yes / No
<p>If there is any change in the above details, I will immediately intimate you by speed post or fax or email</p> <p>I.....hereby declare that the details given above are true to the best of my knowledge and I have thoroughly read and understood the terms and conditions of the tender and shall abide by the rules,</p> <p style="text-align: right;">Signature (Name and Designation & Seal)</p> <p>Dated:</p>		

NB: This form must be duly filled in by an authorized person

Section-VI
MANUFACTURER'S AUTHORISATION FORM
(Letterhead)

The Director,
JIPMER, Puducherry

Dear Sir,

Ref: Your TE document No: _____ dated: _____

We, _____ who are proven and reputable manufacturers of _____ (name and description of the goods offered in the Tender) having factories at _____, hereby authorize Messrs. _____ (name and address of the agent) to submit a tender, process the same further and enter into a contract with you against your requirement as contained in the above referred TE documents for the above goods manufactured by us.

We also state that we are not participating directly in this tender for the following reason(s):
_____. (Please provide reason here).

We further confirm that no supplier or firm or individual other than Messrs _____ (name and address of the above agent) is authorised to submit a tender, process the same further and enter into a contract with you against your requirement as contained in the above referred TE documents for the above goods manufactured by us. We also hereby extend our full warranty, CMC/AMC as applicable as per the General Conditions of Contract, read with modification, if any, in the Special Conditions of Contract for the goods and services offered for supply by the above firm against this TE document. We also hereby confirm that we would be responsible for the satisfactory execution of contract placed on the authorised agent.

We also confirm that the price quoted by our agent shall not exceed the price which we would have quoted directly”

Yours faithfully,

[Signature with date, name, designation and Email]

for and on behalf of Messrs _____

[Name & address of the manufacturers]

Note:

- (1) This letter of authorization should be on the letter head of the manufacturing firm and should be signed by a person competent and having the power of attorney to legally bind the manufacturer.
- (2) Original letter may be sent.
- (3) The purchaser reserves the right to verify this document with its signatory.

SECTION-VII
TENDER FORM
(On Firms' Letter Head)

To
The Director
JIPMER, Puducherry 605006

Date _____

Ref. Your TE document No. _____ dated _____

We, the undersigned have examined the above mentioned TE document, including amendment/corrigendum No. _____, dated _____ (if any), the receipt of which is hereby confirmed. We now offer to supply and deliver _____ (Description of goods and services) in conformity with your above referred document **for the sum as shown in the price schedules attached herewith and made part of this tender**. If our tender is accepted, we undertake to supply the goods and perform the services as mentioned above, in accordance with the delivery schedule specified in the List of Requirements.

We further confirm that, if our tender is accepted, we shall provide you with a performance security of required amount in an acceptable form in terms of GCC, Special Conditions of Contract", for due performance of the contract.

We have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India and we certify that this bidder is not from such a country/ from such a country and has been registered with the Competent Authority and a copy of the valid registration by the Competent Authority is attached as evidence of the same (Strike out what is not applicable). In case there are Turnkey works to be carried out this bidder will not sub-contract any work to a contractor from such countries unless such contractor is registered with the Competent Authority. We hereby certify that this bidder fulfills all requirements in this regard and is eligible to be considered.

We agree to keep our tender valid for acceptance as required in the GIT, Special Instructions to Tenderers" or for subsequently extended period, if any, agreed to by us. We also accordingly confirm to abide by this tender up to the aforesaid period and this tender may be accepted any time before the expiry of the aforesaid period. We further confirm that, until a formal contract is executed, this tender read with your written acceptance thereof within the aforesaid period shall constitute a binding contract between us.

We further understand that you are not bound to accept the lowest or any tender you may receive against your above-referred tender enquiry.

We confirm that we do not stand deregistered/banned/blacklisted by any Govt. Authorities in the last 7 years.

We confirm that we fully agree to the terms and conditions specified in above mentioned TE document, including amendment/ corrigendum if any.

(Signature with date)
(Name and designation)

Duly authorized to sign tender for and on behalf of

Section-VIII

CHECK LIST FOR SUBMISSION OF TENDER

(To be filled by the tenderer and submitted along with the bid)

Sl. No.	Particular	Yes / No
1	i. Tender Processing Fee (Mandatory for all bidders) ii. Bid security declaration	
2	Copies of Supply orders/Completion certificate in support of Eligibility condition 2(ii).	
3	Copy of PAN Card	
4	Copy of ISO Certification of bidder, ISI/CE Certification of each product wherever asked	
5	Copies of last three years Income Tax Return statement with Balance sheets & Profit & Lose A/c i.e. 2017-18, 2018-19, 2019-20.	
6	Copy of GST Registration Certificate	
7	Authorization letter for signing tender documents if a person other than the Owner, Partner, Managing Director is signing/uploading the tender	
8	Tender form as in Section – VII duly signed and stamped	
9	Manufacturer's authorization form in format as in Section VI and	
10	Self-certification for supporting the claim to be a local supplier under the "Public Procurement preference to Make in India" order in format as in Appendix A	
11	A copy bidder's empanelment by the Competent Authority under GFR 144 (xi) or GFR 144 (xi) compliance certificate	
12	A PDF file containing list of all items quoted by the bidder without price bid in technical cover	
13	All details of the items (HSN, MSME, Make-in-India, make/brand, model, pack size and remark) quoted by the bidder.	
14	Any other document(s) enclosed (To be specified)	

I/We certify that the information furnished above is true and correct. The terms and conditions are acceptable to us and have the authority to bid a tender.

Signature of the owner/
Managing Partner/Director

Name:

Seal:

Date:

Place:

SECTION – IX

**Bid Security Declaration
(To printed on the Firm's letterhead)**

(In compliance with the OM No. F.9/4/2020-PPD dated 12.11.2020 on the subject —Bid Security/ Earnest Money Deposit, issued by the Procurement Policy Division, Department of Expenditure, Ministry of Finance, Government of India, there is no need for bidders to pay Bid Security/ Earnest Money Deposit for participating in this tender. However, in lieu of Bid Security, the bidder must print this —Bid Security Declaration on his/her firm's letterhead duly sign the undertaking and upload the document in the fee cover.)

I/We hereby declare that we accept the condition that if I/We withdraw or modify our bids during period of validity etc., we will be suspended for a period of two years from participating in all tenders invited by JIPMER, Puducherry with effect from the date of our withdrawal or modification of our bid.

(Signature with date)

(Name and designation)

Duly authorized to sign this tender and declaration

for and on behalf of _____ (Name of the Bidder's Firm) Seal

Appendix-A

Self-certification format for claiming purchase preference under the “Public Procurement preference to Make in India” order

As per the order issued by

(i) Department of Industrial Policy and Promotion (DIPP) vide No. P-45021/2/2017-BE-II dated 15.06.2017 as further amended by Order No.P-45021/2/2017-B.E.-II dated 28.05.2018, Order No.P-45021/2/2017-B.E.-II dated 29.05.2019, Order No. P-45021/2/2017-PP (BE-II) dated 04.06.2020 and Order No. P-45021/2/2017-PP (BE-II) dated 16.09.2020; and

(ii) Department of Pharmaceuticals vide No. F- 31026/36/2016-MD dated 18.05.2018 and the subsequent orders thereof; The purchaser reserves the right to give preference to the local supplier.

A local supplier (definition of “local supplier” is given in clause 2 of the aforesaid order of DIPP as amended from time to time) has to submit the following along with their e-tender(s) failing which their bid will be evaluated without considering such preference mentioned in the DIPP order dated 15.06.2017 further amended on 28.05.2018, 25.09.2019 and 04.06.2020:

a. The local supplier at the time of e-tender, bidding or solicitation shall be required to provide self-certification that the item offered meets the minimum local content and shall give details of the location(s) at which the local value addition is made in the format in Annexure A.

“Certified that the following items quoted has more than 50% or 20% to 50% of value addition in India at the location(s) mentioned against each and is eligible for purchase preference as per the Govt. of India “Public Procurement preference to Make in India” order Dt.15.06.2017 as further amended by Order No.P-45021/2/2017-B.E.-II dated 28.05.2018, Order No.P-45021/2/2017-B.E.-II dated 29.05.2019, and Order No. P-45021/2/2017-PP (BE-II) dated 04.06.2020.

Sl. No	Name of the item	Details of the location(s) at which the local value addition was made.

Authorized Signature:

Name:

Designation:

b. In cases of procurement for a value in excess of Rs. 10 Crore. the local supplier shall be required to provide a certificate from the statutory auditor or cost auditor of the company (in the case of companies) or from a practicing cost accountant or practicing chartered accountant (in respect of suppliers other than companies) giving the percentage of local content.

c. Minimum Local Content: ‘Class-I local supplier’ means a supplier or service provider, whose goods, services or works offered for procurement, has local content equal to or more than 50%, as defined

under the Order. “Class-II local supplier” means a supplier or service provider, whose goods, services or works offered for procurement, has local content more than 20% but less than 50%, as defined under this Order.

d. Margin of Purchase Preference: The margin of purchase preference shall be 20%.

e. Manufacture under license/technology collaboration agreements with phased indigenization are exempted from meeting the stipulated local content if the product is being manufactured in India under a license from a foreign manufacturer who holds intellectual property rights and where there is a technology collaboration agreement/transfer of technology agreement for indigenous manufacture of a product developed abroad with clear phasing of increase in local content

f. Decisions on complaints relating to implementation of this Order shall be taken by the competent authority which is empowered to look into procurement-related complaints relating the procuring entity.

g. A constituted committee with internal and external experts will examine for independent verification of self-declarations and auditor’s/accountant’s certificates on random basis and in the case of complaints.

h. A fees of Rs.10000/- in the form of demand draft favoring The Director, JIPMER, payable at Puducherry, is required to be deposited with complaints for verification of local content.

i. False declarations will be breach of the Code of Integrity under Rule 175(1)(i)(h) of the General Financial Rules for which a bidder or its successors can be debarred for up to two years as per Rule 151(iii) of the General Financial Rules along with such other actions as may be permissible under law.

j. A supplier who has been debarred by any procuring entity for violation of this Order shall not be eligible for preference under this Order for procurement by any other procuring entity for the duration of the debarment. The debarment for such other procuring entities shall take effect prospectively from the date on which it comes to the notice of other procurement entities.

Officer in Charge
Purchase Section
JIPMER Puducherry
For Director, JIPMER

SECTION – X

**GFR-144 (xi) compliance certificate
(To printed on the Firm's letterhead)**

Tender No:

GFR-144(xi) compliance certificate (as per order F.No. 6/18/2019-PPD, Ministry of Finance, GOI)

I have read the clauses regarding restrictions under GFR144(xi) on procurement from a bidder of a country which shares a land border with India. I certify that, the vendor

- is not such a country
- is from a country and has been registered with a competent authority (attached evidence of valid registration).

(Select one of the above and strike off the other)

I hereby certify that we fulfill all requirement in this regard and is eligible to be considered for the procurement on CPP portal.

Thanking you.

Authorized Signatory