

App. No.	S.No	Name of the Item	Specifications	No. of units required
1. Blood	1.	Membrane Blood Oxygenator ADULT (Type I)	- Hardshell reservoir - With integrated heat exchanger(polyurethane)	70
Oxygenators			surface area $\leq 0.6\text{m}^2$ - With membrane surface area $\geq 1.8\text{m}^2$ - Heparin Bioline coating. - Blood flow rate of 0.5 – 7.0 Lit/min, - Static priming volume of $\leq 250\text{ml}$ - Reduced thrombocyte adhesion and improved	
			biocompatibility - to be supplied with suitable oxygenator holder- - (sample product to be demonstrated)	
	2.	Membrane-Blood Oxygenator ADULT (Type II)	Hardshell reservoir capacity of maximum 4 lit - With integrated heat exchanger(stainless steel) surface area of $\leq 0.14\text{m}^2$ - Indirect continuous micropore channels with membrane pore size of 0.05 micron - Membrane Surface area $\geq 1.5\text{m}^2$ - Biocompatible hydrophilic polymer surface coating. - Blood flow rate of 0.5 – 5.0 Lit/min, - Static priming volume of $\leq 135\text{ml}$ - TOTM (trioctyl trimellilate) plasticizer – DEHP free.	50

			<ul style="list-style-type: none"> - Cardiotomy filter pore size of 20 microns. 	
			<ul style="list-style-type: none"> - to be supplied with suitable oxygenator holder 	
			<ul style="list-style-type: none"> - (sample product to be demonstrated) 	
	3.	Membrane Blood Oxygenator - SMALL ADULT Type	<ul style="list-style-type: none"> Hardshell reservoir capacity of maximum 3 Lit - With integrated heat exchanger (stainless steel) 	30
			<ul style="list-style-type: none"> surface area of $\leq 0.14 \text{ m}^2$ - Indirect continuous micropore channels with membrane pore size of 0.05 micron - Membrane Surface area of $\geq 1.5 \text{ m}^2$ - Biocompatible hydrophilic polymer surface coating. - Blood flow rate of 0.5 – 4.0 Lit/min, - Static priming volume of $\leq 135 \text{ ml}$ - TOTM (trioctyl trimellilate) plasticizer – DEHP free. 	
			<ul style="list-style-type: none"> - Cardiotomy filter pore size of 20 microns. 	
			<ul style="list-style-type: none"> - to be supplied with suitable oxygenator holder - (sample product to be demonstrated) 	
	4.	Membrane Blood Oxygenator -	<ul style="list-style-type: none"> - Hardshell reservoir capacity of maximum 3.6 Lit 	30

		PEDIATRIC Type	<ul style="list-style-type: none"> - With integrated heat exchanger(anodized aluminium) surface area of $\leq 0.120\text{m}^2$ - Indirect continuous micropore channels with membrane pore size of 0.05 micron -Membrane Surface area of $\geq 1.1 \text{ m}^2$ - Blood flow rate of 0.5 – 4.0 Lit/min, - Static priming volume of 120ml 	
			<ul style="list-style-type: none"> - to be supplied with suitable oxygenator holder - (sample product to be demonstrated) 	
	5.	Membrane Blood Oxygenator – INFANT Type	<ul style="list-style-type: none"> - Hardshell reservoir - With integrated heat exchanger (Polyurethane) surface area $\leq 0.17 \text{ m}^2$ - Membrane Surface area of $\geq 0.66 \text{ m}^2$ - Heparin bio-line coated. - Blood flow rate of 0.3 – 2.3 Lit/min, - Static priming volume of $\leq 90\text{ml}$ - Reduced thrombocyte adhesion and improved biocompatibility. 	5
			<ul style="list-style-type: none"> - to be supplied with suitable oxygenator holder 	
			<ul style="list-style-type: none"> - (sample product to be demonstrated) 	
	6.	Membrane	<ul style="list-style-type: none"> - Hardshell reservoir 	2

		Blood Oxygenator NEONATAL	<ul style="list-style-type: none"> - With integrated heat exchanger (Polyurethane) Surface area of $\leq 0.035 \text{ m}^2$ - Membrane Surface area of $\geq 0.5 \text{ m}^2$ - Biocompatible hydrophilic polymer surface coating - Blood flow rate of 0.1 - 1.5 Lit/min, - Static priming volume of $\leq 43 \text{ ml}$ - to be supplied with suitable oxygenator holder 	
2. Cardiotomy reservoir	1	Cardiotomy reservoir	Minimum 1.5 liter capacity with at least 4x1/4" ports with suitable holder. (sample product to be demonstrated).	5
3. Cardio – plegia delivery system	1.	Blood Cardioplegia Delivery system	Sterile with integral heat exchanger – (Reservoir Type) - with suitable holder. (sample product to be demonstrated)	30
	2.	4:1 Cardioplegia Delivery system	Stainless steel grooved plated heat exchanger with surface area of 0.05 m^2, priming volume of less than 30ml and maximum blood flow rate of max 6 Lit/min, integrated with polyester screen and female luer lock; with suitable holder. (Sample product to be supplied)	150

4. Custom pack tubing set for cardiopulmonary bypass.	1.	ADULT Custom Pack Tubing set JIPMER Circuit 2010	(Diagram 1 & 2 Attached) - Tubing set for Cardiopulmonary Bypass with separately organized surgeon's & perfusionist's units with each line being wrapped individually in a cover for sterile & easy opening and separation of lines during their assembly - Good quality - (sample product to be demonstrated / supplied)	150
	2.	PEDIATRIC Custom Pack Tubing set JIPMER Circuit 2010	(Diagram 3 & 4 Attached) - Tubing set for Cardiopulmonary Bypass with separately organized surgeon's & perfusionist's units with each line being wrapped individually in a cover for sterile & easy opening and separation of lines during their assembly - Good quality - (sample product to be demonstrated / supplied)	25
5. Hemofilters	1	Hemofilters (Adult Type) for Modified Ultra Filtration :	Membrane surface area of 1.3 m², priming volume of less than 86ml, pressure drop of 70mm Hg, No rinse fiber and internal diameter of 200 microns, molecular weight cut-off of 65,000 daltons. 1/4" tubing set with male luer lock ends.(sample product to be supplied).	100
	2	Hemofilters (Small Adult Type) for Modified Ultra Filtration :	Membrane surface area of 1.1 m², priming volume of less than 70ml; No rinse fiber & material of polysulfone; Molecular weight cut-off of 66,000 daltons. 1/4" tubing set with luer lock blood ports. Prevention of thrombus formation	30

			(sample product to be supplied).	
	3	Hemofilters (Pediatric Type) for Modified Ultra Filtration	Membrane surface area of 0.5 m², priming volume of less than 35 ml; No rinse fiber & material of polysulfone; Molecular weight cut-off of 66,000 daltons. 1/4" tubing set with luer lock blood ports. Prevention of thrombus formation (sample product to be supplied).	20
6. Arterial filters	1	Arterial filters (for Adult circuit) - with bypass loop	Priming volume of less than 200ml, maximum blood flow rate of 6Lit /min - polyester mesh filter size of 32 µm. Housing material – polycarbonate. Purge line with one way valve. Sample product to be supplied with suitable holder	150
7. Centrifugal pump head	1	Centrifugal pump head	<p>Centrifugal pump head (Category no.164275) with inlet & outlet with housing to fit the console of heart lung machine of APS type I (Terumo – Sarns) & Sarns 9000.</p> <p>If the centrifugal which is not fitting to the console of APS type I / Sarns is quoted, the console of centrifugal pump appropriate to the pump head quoted has to be provided on loan basis till all of them are used.</p>	50

8. Pressure Domes	1	Pressure Domes	Pressure Domes with two ports with luer lock suitable for Becton Dickinson pressure transducers Model P23XL for the heart lung machine	200
9. Tubing lock ties	1	Tubing lock ties	Tubing lock ties for Extra Corporeal Circulation	1000
10. Plastic Connectors suitable for Cardio-pulmonary By pass (CPB) circuit:	1	Straight Connectors A	Size: 1/4" x 1/4"	400
	2	Straight Connectors B	Size: 1/2" x 12" ,	400
	3	Straight Connectors C	Size: 3/8" x 3/8"	400
	4	Straight Connectors D	Size: 1/4" x 3/8"	400
	5	Straight Connectors E	Size: 1/4"x1/2"	100
	6	Straight Connectors F	Size: 3/8" x 1/2"	100
	7	Straight Connectors with female luer lock A	Size: 1/4" x 1/4"	300
	8	Straight Connectors with female luer lock B	Size: 1/2" x 12"	300
	9	Straight Connectors with female luer lock C	Size: 3/8"x3/8"	300
	10	Straight Connectors with female luer lock D	Size: 1/4" x 3/8"	300

	11	Straight Connectors with female luer lock E	Size: 1/4"x1/2"	100
	12	Straight Connectors with female luer lock F	Size: 3/8" x 1/2"	100
	13.	Y Connectors A	Size: 1/4" x 1/4" x 1/4"	400
	14.	Y Connectors B	Size: 1/4" x 3/8" x 3/8"	200
	15.	Y Connectors C	Size: 1/4" x 1/2" x 3/8"	200
	16.	Y Connectors D	Size: 3/8" x 3/8" x 3/8"	200
	17.	Y Connectors E	Size: 3/8" x 3/8" x 1/2"	100
	18.	Y Connectors F	Size: 3/8" x 1/2" x 1/2"	100
	19.	Y Connectors with female luer lock A	Size: 1/4" x 1/4" x 1/4"	200
	20.	Y Connectors with female luer lock B	Size: 1/4" x 3/8" x 3/8"	100
	21.	Y Connectors with female luer lock C	Size: 1/4" x 1/2" x 3/8"	100
	22.	Y Connectors with female luer lock D	Size: 3/8" x 3/8" x 3/8"	100
	23.	Y Connectors with female luer lock E	Size: 3/8" x 3/8" x 1/2"	100
	24.	Y Connectors with female luer lock F	Size: 3/8" x 1/2" x 1/2"	100
11. Perfusion adapters.	1	Perfusion Adapter 1	A male luer at one end and a barbed 1/4" connector	300

	2	Perfusion Adapter 2	Three way stop-cock with male & female luer ends and a barbed 1/4" connector	300
	3	Perfusion Adapter 3	Antegrade & retrograde adapter with three way stop-cock with with female luer inlet & male luer outlets	50
	4	Multiple perfusion adapter set	with 4 legs and a vent line for simultaneous perfusion of multiple venous grafts and aortic root - with female luer inlet & male luer outlets with individual color coded inbuilt tube-clamps for control :	20
12. Cardiac Suction system	1	Cardiac suction tube - with malleable shaft with soft tip size 6F	with a length of tubing & clamp terminating into a 1/4" connector.	20
			(sample product to be shown / supplied)	
	2	Cardiac suction tube - with malleable shaft with soft tip - size 10F	with a length of tubing & clamp terminating into a 1/4" connector.	20
			(sample product to be shown / supplied)	
	3	Cardiac suction tube - with malleable shaft with perforated pool tip of size 10F	with a length of tubing & clamp terminating into a 1/4" connector.	20
(sample product to be shown / supplied)				
4	Rigid Cardiac suction tube	shaft of 12F with 9F soft vented tip	10	
		(sample product to be shown / supplied)		
5	Pericardial sump with perforated pool tip 12F	with flexible tubing terminating into a 1/4" connector. (sample product to be shown / supplied)	30	

	6	Pericardial sump with perforated pool tip 20F	with flexible tubing terminating into a 1/4" connector. (sample product to be shown / supplied)	30
	7	Malleable fine suction tips - 1mm	Malleable suction tubes with Frazier type end. Should have thermal shape memory shaft can be – i.e heat sterilisation make the suction tubes regain their initial shape.	5
	8	Malleable fine suction tips - 2 mm	Malleable suction tubes with Frazier type end. Should have thermal shape memory shaft can be – i.e heat sterilisation make the suction tubes regain their initial shape.	5
	9	Malleable fine suction tips – 3 mm	Malleable suction tubes with Frazier type end. Should have thermal shape memory shaft can be – i.e heat sterilisation make the suction tubes regain their initial shape.	5
	10	Malleable fine suction tips - 4mm	Malleable suction tubes with Frazier type end. Should have thermal shape memory shaft can be – i.e heat sterilisation make the suction tubes regain their initial shape.	5
13. Cardiac	1	Pulmonary artery vent cannula - 16F -	with introducer needle, & soft pliable tips with multiple side holes - terminating into a female luer. (sample product to be shown / supplied)	10
Vent	2	Left Atrial Vent Catheter 24F	with side limb for pressure monitoring,	10

system			(sample product to be shown / supplied)	
	3	Left Heart Vent catheter, 10F	with 1/4" connector preferably with guidewire introducer (sample product to be shown / supplied)	20
	4	Left Heart Vent catheter, 13F	with 1/4" connector preferably with guidewire introducer (sample product to be shown / supplied)	20
	5	Left Heart Vent catheter 15F	with 1/4" connector preferably with guidewire introducer (sample product to be shown / supplied)	20
	6	Left Heart Vent catheter 18F	with 1/4" connector preferably with guidewire introducer (sample product to be shown / supplied)	20
	7	Left Heart Vent catheter 20F	with 1/4" connector preferably with guidewire introducer (sample product to be shown / supplied)	50
14. Vascular loop / tourniquet	1	Tourniquet sets (4 tubes with one snare) – adult type	with a quick- tie cap attached to one end for snugging the purse string sutures during open heart procedures-lengths of 7.5".	200
			(sample product to be shown / supplied)	
	2	Tourniquet sets (4 tubes with one snare) - Pediatric type	with a quick- tie cap attached to one end for snugging the purse string sutures during open heart procedures-lengths of 6"	100
		(sample product to be shown / supplied)		
	3	Silastic tapes	for encircling blood vessels (sample product to be shown / supplied)	50

15. Myocardial pacing wires	1	Temporary myocardial pacing wire adult type	(sample product to be supplied)	500
	2	Temporary myocardial pacing wire Pediatric	(sample product to be supplied)	150
	3	Permanent myocardial pacing wire with screw tip	(sample product to be supplied)	5
16. Adult (Aortic) Arterial Perfusion Cannula system	1. 1	STRAIGHT TIP - PLAIN (non-wirewound) body - non-vented type Arterial cannula - 18F	with tip guard with 3/8" connector with overall length of at least 10 inch long.	20
			(sample product to be shown / supplied)	
	2.	STRAIGHT TIP - PLAIN (non-wirewound) body - non-vented type - Arterial cannula 20F	with tip guard with 3/8" connector with overall length of at least 10 inch long.	20
			(sample product to be shown / supplied)	
	3.	STRAIGHT TIP - PLAIN (non-wirewound) body - non-vented type - Arterial cannula 22F	with tip guard with 3/8" connector with overall length of at least 10 inch long.	50
			(sample product to be shown / supplied)	
	4.	STRAIGHT TIP - PLAIN (non-wirewound) body - non-vented type - Arterial cannula 24F	with tip guard with 3/8" connector with overall length of at least 10 inch long.	50
			(sample product to be shown / supplied)	

5. 2	STRAIGHT TIP - WIREWOUND flexible body - non-vented type -	with tip guard with 3/8" connector; with overall length of at least 12 inch long.	5
	Arterial cannula 18F	(sample product to be shown / supplied)	
6.	STRAIGHT TIP - WIREWOUND flexible body - non-vented type -	with tip guard with 3/8" connector; with overall length of at least 12 inch long.	5
	Arterial cannula 20F	(sample product to be shown / supplied)	
7.	STRAIGHT TIP - WIREWOUND flexible body - non-vented type -	with tip guard with 3/8" connector; with overall length of at least 12 inch long.	5
	Arterial cannula 22F	(sample product to be shown / supplied)	
8.	STRAIGHT TIP - WIREWOUND flexible body - non-vented type -	with tip guard with 3/8" connector; with overall length of at least 12 inch long.	5
	Arterial cannula 24F	(sample product to be shown / supplied)	
9. 3	ANGLED TIP - 45 degree with SIDE HOLES - WIREWOUND flexible body - VENTED type Arterial cannula 18F	with tip guard with 3/8" connector at least 11 inch long. (sample product to be shown / supplied)	30

10.	ANGLED TIP - 45 degree with SIDE HOLES - WIREWOUND flexible body - VENTED type Arterial cannula 20F	with tip guard with 3/8" connector at least 11 inch long. (sample product to be shown / supplied)	30
11.	ANGLED TIP - 45 degree with SIDE HOLES - WIREWOUND flexible body - VENTED type Arterial cannula 22F	with tip guard with 3/8" connector at least 11 inch long. (sample product to be shown / supplied)	30
12.	ANGLED TIP - 45 degree with SIDE HOLES - WIREWOUND flexible body - VENTED type Arterial cannula 24F	with tip guard with 3/8" connector at least 11 inch long. (sample product to be shown / supplied)	50
13.	ANGLED TIP - 80 degree - with SIDE HOLES - WIREWOUND flexible body - VENTED type Arterial cannula 18F	- with tip guard with 3/8" connector at least 11 inch long (sample product to be shown / supplied)	10

14.	ANGLED TIP - 80 degree - with SIDE HOLES - WIREWOUND flexible body - VENTED type Arterial cannula 20F	- with tip guard with 3/8" connector at least 11 inch long (sample product to be shown / supplied)	10
15.	ANGLED TIP - 80 degree - with SIDE HOLES - WIREWOUND flexible body - VENTED type Arterial cannula 22F	- with tip guard with 3/8" connector at least 11 inch long (sample product to be shown / supplied)	10
16.	ANGLED TIP - 80 degree - with SIDE HOLES - WIREWOUND flexible body - VENTED type Arterial cannula 24F	- with tip guard with 3/8" connector at least 11 inch long (sample product to be shown / supplied)	10
17. 4	CURVED TIP with FLANGE- WIREWOUND flexible body - VENTED type - Arterial cannula 18F	with 3/8" connector at least 13 inch long- (sample product to be shown / supplied)	10

18.	CURVED TIP with FLANGE-WIREWOUND flexible body - VENTED type - Arterial cannula 20F	with 3/8" connector at least 13 inch long- (sample product to be shown / supplied)	10
19.	CURVED TIP with FLANGE-WIREWOUND flexible body - VENTED type - Arterial cannula 22F	with 3/8" connector at least 13 inch long- (sample product to be shown / supplied)	10
20.	CURVED TIP with FLANGE-WIREWOUND flexible body - VENTED type - Arterial cannula 24F	with 3/8" connector at least 13 inch long- (sample product to be shown / supplied)	10
21.	ELONGATED TIP - WIREWOUND body – VENTED type Arterial cannula 18F	with tip guard with 3/8" with INTRODUCER With DEPTH MARKINGS –with radioopaque suture collar with overal length of at least 12 inch long. (sample product to be shown / supplied)	10
22.	ELONGATED TIP - WIREWOUND body – VENTED type Arterial cannula 20F	with tip guard with 3/8" with INTRODUCER With DEPTH MARKINGS –with radioopaque suture collar with overal length of at least 12 inch long. (sample product to be shown / supplied)	10

23.	ELONGATED TIP - WIREWOUND body – VENTED type Arterial cannula 22F	with tip guard with 3/8" with INTRODUCER With DEPTH MARKINGS –with radioopaque suture collar with overal length of at least 12 inch long. (sample product to be shown / supplied)	10
24.	ELONGATED TIP - WIREWOUND body – VENTED type Arterial cannula 24F	with tip guard with 3/8" with INTRODUCER With DEPTH MARKINGS –with radioopaque suture collar with overal length of at least 12 inch long. (sample product to be shown / supplied)	10
25.	Aortic ARCH Perfusion cannula - ADULT TYPE 20F	with adjustable depth ring with 3/8" connector; prefereably with leur adaptor/ connector plug filter, with overal length of at least 30 cm. (sample product to be shown / supplied)	3
26.	Aortic ARCH Perfusion cannula - ADULT TYPE 22F	with adjustable depth ring with 3/8" connector; prefereably with leur adaptor/ connector plug filter, with overal length of at least 30 cm. (sample product to be shown / supplied)	3
27.	Aortic ARCH Perfusion cannula - ADULT TYPE 24F	with adjustable depth ring with 3/8" connector; prefereably with leur adaptor/ connector plug filter, with overal length of at least 30 cm. (sample product to be shown / supplied)	3

17. Pediatric (Aortic) Arterial Perfusion Cannula system	1.	STRAIGHT Tip - with tip guard with VENTED type Arterial cannula 8F	With 1/4" connector; with overall length of at least 7 inch long (sample product to be shown / supplied)	10
	2.	STRAIGHT Tip - with tip guard with VENTED type Arterial cannula 10F	With 1/4" connector; with overall length of at least 7 inch long (sample product to be shown / supplied)	10
	3.	STRAIGHT Tip - with tip guard with VENTED type Arterial cannula 12F	With 1/4" connector; with overall length of at least 7 inch long (sample product to be shown / supplied)	10
	4.	STRAIGHT Tip - with tip guard with VENTED type Arterial cannula 14F	With 1/4" connector; with overall length of at least 7 inch long (sample product to be shown / supplied)	10
	5.	STRAIGHT Tip - with tip guard with VENTED type Arterial cannula 16F	With 1/4" connector; with overall length of at least 7 inch long (sample product to be shown / supplied)	10
	6.	ELONGATED TIP - wirewound body - with INTRODUCER with depth markings - VENTED TYPE Arterial cannula 6F	With 1/4" connector; with overall length of at least 9 inches long (sample product to be shown / supplied)	1
	7.	ELONGATED TIP - wirewound body - with INTRODUCER	With 1/4" connector; with overall length of at least 9 inches long (sample product to be shown / supplied)	1

		with depth markings - VENTED TYPE Arterial cannula 8F		
	8.	ELONGATED TIP - wirewound body - with INTRODUCER with depth markings - VENTED TYPE Arterial cannula 10F	With 1/4" connector; with overall length of at least 9 inches long (sample product to be shown / supplied)	1
	9.	ELONGATED TIP - wirewound body - with INTRODUCER with depth markings - VENTED TYPE Arterial cannula 12F	With 1/4" connector; with overall length of at least 9 inches long (sample product to be shown / supplied)	1
	10.	ELONGATED TIP - wirewound body - with INTRODUCER with depth markings - VENTED TYPE Arterial cannula 14F	With 1/4" connector; with overall length of at least 9 inches long (sample product to be shown / supplied)	1
	11.	ELONGATED TIP - wirewound body - with INTRODUCER with depth markings - VENTED TYPE Arterial cannula 16F	With 1/4" connector; with overall length of at least 9 inches long (sample product to be shown / supplied)	1
18. Venous Return Cannula system	1.	STRAIGHT TYPE Venous cannula 12F	multiport tapered tip - wirewound body (sample product to be shown / supplied)	10

2.	STRAIGHT TYPE - Venous cannula 14F	multiport tapered tip - wirewound body (sample product to be shown / supplied)	10
3.	STRAIGHT TYPE - Venous cannula 16F	multiport tapered tip - wirewound body (sample product to be shown / supplied)	10
4.	STRAIGHT TYPE - Venous cannula 18F	multiport tapered tip - wirewound body (sample product to be shown / supplied)	20
5.	STRAIGHT TYPE - Venous cannula 20F	multiport tapered tip - wirewound body (sample product to be shown / supplied)	20
6.	STRAIGHT TYPE - Venous cannula 22F	multiport tapered tip - wirewound body (sample product to be shown / supplied)	20
7.	STRAIGHT TYPE - Venous cannula 24F	multiport tapered tip - wirewound body (sample product to be shown / supplied)	30
8.	STRAIGHT TYPE - Venous cannula 26F	multiport tapered tip - wirewound body (sample product to be shown / supplied)	30
9.	STRAIGHT TYPE - Venous cannula 28F	multiport tapered tip - wirewound body (sample product to be shown / supplied)	30
10.	STRAIGHT TYPE - Venous cannula 30F	multiport tapered tip - wirewound body (sample product to be shown / supplied)	30
11.	STRAIGHT TYPE - Venous cannula 32F	multiport tapered tip - wirewound body (sample product to be shown / supplied)	30

12.	STRAIGHT TYPE - Venous cannula 34F	multiport tapered tip - wirewound body (sample product to be shown / supplied)	10
13.	STRAIGHT TYPE - Venous cannula 36F	multiport tapered tip - wirewound body (sample product to be shown / supplied)	2
14.	STRAIGHT TYPE - Venous cannula 38F	multiport tapered tip - wirewound body (sample product to be shown / supplied)	2
15.	ANGLED TYPE - Venous cannula 12F	multiport tapered tip & wirewound body (sample product to be shown / supplied)	10
16.	ANGLED TYPE - Venous cannula 14F	multiport tapered tip & wirewound body (sample product to be shown / supplied)	10
17.	ANGLED TYPE - Venous cannula 16F	multiport tapered tip & wirewound body (sample product to be shown / supplied)	10
18.	ANGLED TYPE - Venous cannula 18F	multiport tapered tip & wirewound body (sample product to be shown / supplied)	10
19.	ANGLED TYPE - Venous cannula 20F	multiport tapered tip & wirewound body (sample product to be shown / supplied)	10
20.	ANGLED TYPE - Venous cannula 22F	multiport tapered tip & wirewound body (sample product to be shown / supplied)	10
21.	ANGLED TYPE - Venous cannula 24F	multiport tapered tip & wirewound body (sample product to be shown / supplied)	20

22.	ANGLED TYPE - Venous cannula 26F	multiport tapered tip & wirewound body (sample product to be shown / supplied)	20
23.	ANGLED TYPE - Venous cannula 28F	multiport tapered tip & wirewound body (sample product to be shown / supplied)	20
24.	ANGLED TYPE - Venous cannula 31F	multiport tapered tip & wirewound body (sample product to be shown / supplied)	20
25.	ANGLED TYPE - Venous cannula METAL TIPS 12F	wirewound body (sample product to be shown / supplied)	10
26.	ANGLED TYPE - Venous cannula METAL TIPS 14F	wirewound body (sample product to be shown / supplied)	10
27.	ANGLED TYPE - Venous cannula METAL TIPS 16F	wirewound body (sample product to be shown / supplied)	10
28.	ANGLED TYPE - Venous cannula METAL TIPS 18F	wirewound body (sample product to be shown / supplied)	10
29.	ANGLED TYPE - Venous cannula METAL TIPS 20F	wirewound body (sample product to be shown / supplied)	10

30.	ANGLED TYPE - Venous cannula METAL TIPS 22F	wirewound body (sample product to be shown / supplied)	10
31.	ANGLED TYPE - Venous cannula METAL TIPS 24F	wirewound body (sample product to be shown / supplied)	10
32.	ANGLED TYPE - Venous cannula METAL TIPS 28F	wirewound body (sample product to be shown / supplied)	3
33.	TWO STAGE - Venous cannula OVAL body type: 28/36 F	with multiported tips & atrial basket - wirewound with depth markings (sample product to be shown / supplied)	20
34.	TWO STAGE - Venous cannula OVAL body type: 32/40 F	with multiported tips & atrial basket - wirewound with depth markings (sample product to be shown / supplied)	20
35.	TWO STAGE - Venous cannula OVAL body type: 34/46 F	with multiported tips & atrial basket - wirewound with depth markings (sample product to be shown / supplied)	20
36.	TWO STAGE - Venous cannula OVAL body type: 36/46 F	with multiported tips & atrial basket - wirewound with depth markings (sample product to be shown / supplied)	20

	37.	TWO STAGE - Venous cannula OVAL body type: 36/51 F	with multiported tips & atrial basket - wirewound with depth markings (sample product to be shown / supplied)	20
	38.	TWO STAGE Venous cannula OVAL body type & SWIRL TIPPED 34/38F	with multiported tips & atrial basket - wirewound with depth markings (sample product to be shown / supplied)	10
	39.	TWO STAGE Venous cannula OVAL body type & SWIRL TIPPED 34/48F	with multiported tips & atrial basket - wirewound with depth markings (sample product to be shown / supplied)	10
19. Femoral Arterial Cannula system	1.	FEMORAL Arterial Perfusion cannula - ADULT TYPE 14F	preferably with introducer:	3
	2.	FEMORAL Arterial Perfusion cannula - ADULT TYPE 17F	preferably with introducer:	3
	3.	FEMORAL Arterial Perfusion cannula - ADULT TYPE 19F	preferably with introducer:	3

	4.	FEMORAL Arterial Perfusion cannula - ADULT TYPE 21 F	preferably with introducer:	3
20. Femoral Venous Cannula system	1.	FEMORAL Venous cannula - ADULT TYPE 15 F	preferably with introducer & 3/8 or 1/2 inch connector: (overall length of 62 - 78cm)	2
	2.	FEMORAL Venous cannula - ADULT TYPE 17 F	preferably with introducer & 3/8 or 1/2 inch connector: (overall length of 62 - 78cm)	2
	3.	FEMORAL Venous cannula - ADULT TYPE 19 F	preferably with introducer & 3/8 or 1/2 inch connector: (overall length of 62 - 78cm)	2
	4.	FEMORAL Venous cannula - ADULT TYPE 21 F	preferably with introducer & 3/8 or 1/2 inch connector: (overall length of 62 - 78cm)	2
	5.	FEMORAL Venous cannula - ADULT TYPE 23 F	preferably with introducer & 3/8 or 1/2 inch connector: (overall length of 62 - 78cm)	2
	6.	FEMORAL Venous cannula - Pediatric Type 8F	preferably with introducer & 1/4 inch connector (overall length of 18 - 22 cm)	2
	7.	FEMORAL Venous cannula - Pediatric Type 10F	preferably with introducer & 1/4 inch connector (overall length of 18 - 22 cm)	2

	8.	FEMORAL Venous cannula - Pediatric Type 12F	preferably with introducer & 1/4 inch connector (overall length of 18 - 22 cm)	2
	9.	FEMORAL Venous cannula - Pediatric Type 14F	preferably with introducer & 1/4 inch connector (overall length of 18 - 22 cm)	2
21. Cardio-plegic cannula System	1.	Antegrade cardio-plegia cannula - 4F	with standard tip with side holes preferably flanged - with introducer needle (sample product to be shown / supplied)	20
	2.	Antegrade cardio-plegia cannula - 5F	with standard tip with side holes preferably flanged - with introducer needle (sample product to be shown / supplied)	20
	3.	Antegrade cardio-plegia cannula - 7F	with standard tip with side holes preferably flanged - with introducer needle (sample product to be shown / supplied)	20
	4.	Antegrade cardio-plegia cannula - 9F	with standard tip with side holes preferably flanged - with introducer needle (sample product to be shown / supplied)	50
	5.	Antegrade cardio-plegia cannula - 11F	with standard tip with side holes preferably flanged - with introducer needle (sample product to be shown / supplied)	50
	6.	Antegrade cardioplegia cannula with a sidelimb for venting - 5F	with standard tip with side holes preferably flanged - with introducer needle - (sample product to be shown / supplied)	10

7.	Antegrade cardioplegia cannula with a sidelimb for venting - 7F	with standard tip with side holes preferably flanged - with introducer needle - (sample product to be shown / supplied)	10
8.	Antegrade cardioplegia cannula with a sidelimb for venting - 9F	with standard tip with side holes preferably flanged - with introducer needle - (sample product to be shown / supplied)	20
9.	Antegrade cardioplegia cannula with a sidelimb for venting - 11F	with standard tip with side holes preferably flanged - with introducer needle - (sample product to be shown / supplied)	30
10.	Cardioplegia delivery needle 5F x 1/4", attached to flexible tubing	with DRAPE CLAMP attached to the tubing - With depth stop (hub / flange) and a female luer in the needle.	30
11.	Cardioplegia delivery needle 8F x 3/8" attached to flexible tubing	with DRAPE CLAMP attached to the tubing - With depth stop (hub / flange) and a female luer in the needle.	30
12.	Cardioplegia delivery needle 8F x 5/8" attached to flexible tubing	with DRAPE CLAMP attached to the tubing - With depth stop (hub / flange) and a female luer in the needle.	5
13.	Rapid infusion set	Sterile Disposable for cardioplegia delivery with metal needle & with connector for 1/4" tubing.	30
14.	SOFT Coronary Ostial cannula - with BULB SHAPED TIPS 15F	with a female luer connection (sample product to be shown / supplied)	10

15.	SOFT Coronary Ostial cannula - with BULB SHAPED TIPS 17F	with a female luer connection (sample product to be shown / supplied)	10
16.	SOFT Coronary Ostial cannula - with BULB SHAPED TIPS 20F	with a female luer connection (sample product to be shown / supplied)	10
17.	RIGID Coronary Ostial cannula - 45 degree angled 10F	BASKET TIPS with overall length of at least 19cm (sample product to be shown / supplied)	10
18.	RIGID Coronary Ostial cannula - 45 degree angled 12F	BASKET TIPS with overall length of at least 19cm (sample product to be shown / supplied)	10
19.	RIGID Coronary Ostial cannula - 45 degree angled 14F	BASKET TIPS with overall length of at least 19cm (sample product to be shown / supplied)	10
20.	RIGID Coronary Ostial cannula - 90 degree angled 10F	BASKET TIPS with overall length of at least 19cm (sample product to be shown / supplied)	10
21.	RIGID Coronary Ostial cannula - 90 degree angled 12F	BASKET TIPS with overall length of at least 19cm (sample product to be shown / supplied)	10

22.	RIGID Coronary Ostial cannula - 90 degree angled 14F	BASKET TIPS with overall length of at least 19cm (sample product to be shown / supplied)	10
23.	Retrograde (Coronary sinus) cardioplegia cannula 13F	with AUTO- INFLATABLE cuff	20
	with SOLID STYLET	integral stop cock for pressure monitoring - Preferably wirewound body	
		(sample product to be shown / supplied)	
24.	Retrograde (Coronary sinus) cardioplegia cannula 15F with SOLID STYLET	with AUTO- INFLATABLE cuff	20
		integral stop cock for pressure monitoring - Preferably wirewound body	
		(sample product to be shown / supplied)	
25.	Retrograde (Coronary sinus) cardioplegia cannula 13 F with GUIDEWIRE STYLET	with AUTO - INFLATABLE cuff & integral stop cock for pressure monitoring - Preferably wirewound body (sample product to be shown / supplied)	10
26.	Retrograde (Coronary sinus) cardioplegia cannula 15F with GUIDEWIRE STYLET	with AUTO - INFLATABLE cuff & integral stop cock for pressure monitoring - Preferably wirewound body (sample product to be shown / supplied)	10

	27.	Retrograde (Coronary sinus) cardioplegia cannula 6F with MANUALLY - inflatable cuff	with GUIDEWIRE OR SOLID STYLET & integral stop cock for pressure monitoring - Preferably wirewound body - (sample product to be shown / supplied)	2
22. Cardiac Tissue Stabilization system: for beating heart surgery	1	Suction based stabilizer with retracting arms (Octopus type like)	complete set with retractors with suction arm system with flexible mount.	1
	2	Suction based stabilizer for the cardiac apex (Starfish type like)	complete set with suction cone with flexible mount.	1
	3	Mist blowing device	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	4
23. Coronary shunts & retractors	1	Coronary shunts (silicon)- 1mm	for intra-operative use for CABG (Coronary Artery Bypass Graft) – with beveled & bulbed tips –with 14 mm long & clear shaft (sample product to be shown / supplied)	5
	2	Coronary shunts (silicon)- 1.5 mm	for intra-operative use for CABG (Coronary Artery Bypass Graft) – with beveled & bulbed tips –with 14 mm long & clear shaft (sample product to be shown / supplied)	5

	3	Coronary shunts (silicon)- 2 mm	for intra-operative use for CABG (Coronary Artery Bypass Graft) – with beveled & bulbed tips –with 14 mm long & clear shaft (sample product to be shown / supplied)	5	
	4	Epicardial coronary retractors – 25 mm	Self retaining type with 3 to 5 hooks in the arms – length of 25 mm - less traumatic (sample product to be shown / supplied)	5	
	5	Epicardial coronary retractors – 28 mm	Self retaining type with 3 to 5 hooks in the arms – length of 28 mm - less traumatic (sample product to be shown / supplied)	5	
	6	Epicardial coronary retractors – 38 mm	Self retaining type with 3 to 5 hooks in the arms – length of 38 mm - less traumatic (sample product to be shown / supplied)	5	
	7	Epicardial coronary retractors – 54 mm	Self retaining type with 3 to 5 hooks in the arms – length of 54 mm - less traumatic (sample product to be shown / supplied)	5	
	24. Aortic Punch system	1	Disposable Aortic Vascular Punch 2.7mm,	With smooth telescoping movement & adequate ginger grip mechanism	3
		2	Disposable Aortic Vascular Punch 3.5 mm,	With smooth telescoping movement & adequate ginger grip mechanism	3

	3	Disposable Aortic Vascular Punch 4 mm,	With smooth telescoping movement & adequate ginger grip mechanism	2
	4	Disposable Aortic Vascular Punch 4.5 mm,	With smooth telescoping movement & adequate ginger grip mechanism	2
25. Bull dog type vascular clamps	1	Angled Disposable Bull Dog Type Vascular clamp – small size	Radioopaque – with atraumatic jaw types – light weight for coronary work (sample product to be shown / supplied)	30
	2	Angled Disposable Bull Dog Type Vascular clamp – medium size	Radioopaque – with atraumatic jaw types – light weight for coronary work (sample product to be shown / supplied)	30
	3	Straight Disposable Bull Dog Type Vascular clamp – small size	Radioopaque – with atraumatic jaw types – light weight for coronary work (sample product to be shown / supplied)	30
	4	Straight Disposable Bull Dog Type Vascular clamp – Medium size	Radioopaque – with atraumatic jaw types – light weight for coronary work (sample product to be shown / supplied)	30
26. Vascular clip system	1	Titanium Vascular clip applicator (large) vasular clips	1000 Large size clips for large vessels with applicator (sample product to be demonstrated)	1 set of machine plus 1000 clips
	2	Titanium Vascular clip applicator (small) vasular clips	1000 small size clips for small vessels (Internal mammary) with applicator (sample product to be demonstrated)	1 set of machine plus 1000 clips

27. Vessel cannula system	1	Vessel cannula 3mm for venous grafts	with a female luer. (for checking graft patency) (sample product to be shown / supplied)	10
	2	Vessel cannula 2mm for venous grafts	with a female luer. (for checking graft patency) (sample product to be shown / supplied)	
	3	Vessel cannula 1mm for internal mammary arterial grafts	with a female luer. (for checking graft patency) (sample product to be shown / supplied)	30
28. Vein holder	1	Disposable vein holder	Radio-opaque – to hold the vein during anastomosis	20
29. Vascular dilator -probes	1	Vascular probe – dilator (3.5 mm)	Malleable probe with thermal shape memory effect (the instrument regains the initial straight shape in the autoclave). Diameter of 3.5 mm (sample product to be demonstrated)	4
	2	Vascular probe – dilator (3 mm)	Malleable probe with thermal shape memory effect (the instrument regains the initial straight shape in the autoclave). Diameter of 3mm	4
			(sample product to be demonstrated)	
3	Vascular probe – dilator (2.5 mm)	Malleable probe with thermal shape memory effect (the instrument regains the initial straight shape in the autoclave). Diameter of 2.5 mm	4	
		(sample product to be demonstrated)		

	4	Vascular probe – dilator (2.0 mm)	Malleable probe with thermal shape memory effect (the instrument regains the initial straight shape in the autoclave). Diameter of 2 mm (sample product to be demonstrated)	4	
	5	Vascular probe – dilator (1.5 mm)	Malleable probe with thermal shape memory effect (the instrument regains the initial straight shape in the autoclave). Diameter of 1.5 mm (sample product to be demonstrated)	4	
	6	Vascular probe – dilator (1.0 mm)	Malleable probe with thermal shape memory effect (the instrument regains the initial straight shape in the autoclave). Diameter of 1 mm (sample product to be demonstrated)	4	
	30. Endarter-ectomy set	1	Endarterectomy loop 18G	Disposable - Endarterectomy instrument with steel loop	3
		2	Endarterectomy loop 20G	Disposable - Endarterectomy instrument with steel loop	3
		3	Endarterectomy loop 22G	Disposable - Endarterectomy instrument with steel loop	3
4		Endarterectomy loop 24G	Disposable - Endarterectomy instrument with steel loop	3	
5		Endarterectomy loop 26G	Disposable - Endarterectomy instrument with steel loop	3	

31. Cardiac sling	1	Cardiac sling	Disposable Cardiac sling (to retract the heart during CABG distal anastomoses).	5
32. Prosthetic heart valves	1.	Tilting Disc type prosthetic AORTIC valve – 19 mm	FDA/EC/ISO approved/of Proven quality: with valve holder, valve sizer	20
	2.	Tilting Disc type prosthetic AORTIC valve – 21 mm	FDA/EC/ISO approved/of Proven quality: with valve holder, valve sizer	20
	3.	Tilting Disc type prosthetic AORTIC valve – 23 mm	FDA/EC/ISO approved/of Proven quality: with valve holder, valve sizer	20
	4.	Tilting Disc type prosthetic AORTIC valve – 25 mm	FDA/EC/ISO approved/of Proven quality: with valve holder, valve sizer	20
	5.	Tilting Disc type prosthetic MITRAL valve – 23 mm	FDA/EC/ISO approved/of Proven quality: with valve holder, valve sizer	20
	6.	Tilting Disc type prosthetic MITRAL valve – 25 mm	FDA/EC/ISO approved/of Proven quality: with valve holder, valve sizer	20
	7.	Tilting Disc type prosthetic MITRAL valve – 27 mm	FDA/EC/ISO approved/of Proven quality: with valve holder, valve sizer	20

8.	Tilting Disc type prosthetic MITRAL valve – 29 mm	FDA/EC/ISO approved/of Proven quality: with valve holder, valve sizer	30
9.	Tilting Disc type prosthetic MITRAL valve – 31 mm	FDA/EC/ISO approved/of Proven quality: with valve holder, valve sizer	10
10	Tilting Disc type prosthetic MITRAL valve – 33 mm	FDA/EC/ISO approved/of Proven quality: with valve holder, valve sizer	2
11	Supraannular type Tilting Disc prosthetic AORTIC valve – 19 mm	with Supra-annular flange in sewing ring - with extended barrier at outflow edge for retaining the sutures away from the disc - rotatable type of - with three suture markers - FDA/EC/ISO approved/of Proven quality:	5
12	Supraannular type Tilting Disc prosthetic AORTIC valve – 21 mm	with Supra-annular flange in sewing ring - with extended barrier at outflow edge for retaining the sutures away from the disc - rotatable type of - with three suture markers - FDA/EC/ISO approved/of Proven quality:	3
13	Supraannular type Tilting Disc prosthetic AORTIC valve – 23 mm	with Supra-annular flange in sewing ring - with extended barrier at outflow edge for retaining the sutures away from the disc - rotatable type of - with three suture markers - FDA/EC/ISO approved/of Proven	1

		quality:	
14	Supraannular type Tilting Disc prosthetic AORTIC valve – 25 mm	with Supra-annular flange in sewing ring - with extended barrier at outflow edge for retaining the sutures away from the disc - rotatable type of - with three suture markers - FDA/EC/ISO approved/of Proven quality:	1
15	Bileaflet Prosthetic - Aortic type heart valves – 16 mm	FDA/EC/ISO approved/of Proven quality: with valve holder, valve sizer & tester. .	2
16	Bileaflet Prosthetic - Aortic type heart valves – 17 mm	FDA/EC/ISO approved/of Proven quality: with valve holder, valve sizer & tester. .	2
17	Bileaflet Prosthetic - Aortic type heart valves – 19 mm	FDA/EC/ISO approved/of Proven quality: with valve holder, valve sizer & tester. .	2
18	Bileaflet Prosthetic - Aortic type heart valves – 21 mm	FDA/EC/ISO approved/of Proven quality: with valve holder, valve sizer & tester. .	2
19	Bileaflet Prosthetic - Aortic type heart valves – 23 mm	FDA/EC/ISO approved/of Proven quality: with valve holder, valve sizer & tester. .	2
20	Bileaflet Prosthetic -	FDA/EC/ISO approved/of Proven	2

		Aortic type heart valves – 25 mm	quality:	
			with valve holder, valve sizer & tester.	
	21	Bileaflet Prosthetic - Aortic type heart valves – 27 mm	FDA/EC/ISO approved/of Proven quality:	2
			with valve holder, valve sizer & tester.	
	22	Bileaflet Prosthetic - Aortic type heart valves – 29 mm	FDA/EC/ISO approved/of Proven quality:	2
			with valve holder, valve sizer & tester.	
	23	Bileaflet Prosthetic - Aortic type heart valves – 31 mm	FDA/EC/ISO approved/of Proven quality:	2
			with valve holder, valve sizer & tester.	
33. Bioprosthetic heart valves	1.	Bioprosthetic Aortic valve size 19mm	with flexible & scalloped radio-opaque stent – with provision for supra-annular placement of the sewing ring - with automated deflection system attached to the valve with sutures for easy delivery of the valve – with - FDA/EC/ISO approved/of Proven quality	2
	2.	Bioprosthetic Aortic valve size 21mm	with flexible & scalloped radio-opaque stent – with provision for supra-annular placement of the sewing ring - with automated deflection system attached to the valve with sutures for easy delivery of the valve – with - FDA/EC/ISO approved/of Proven quality	2

3.	Bioprosthetic Mitral valve size 23mm	with flexible radio-opaque stent – with provision for supra-annular placement of the sewing ring - with automated deflection system attached to the valve with sutures for easy delivery of the valve – with - FDA/EC/ISO approved/of Proven quality	2
4.	Bioprosthetic Mitral valve size 25mm	with flexible radio-opaque stent – with provision for supra-annular placement of the sewing ring - with automated deflection system attached to the valve with sutures for easy delivery of the valve – with - FDA/EC/ISO approved/of Proven quality	2
5.	Bioprosthetic Mitral valve size 27mm	with flexible radio-opaque stent – with provision for supra-annular placement of the sewing ring - with automated deflection system attached to the valve with sutures for easy delivery of the valve – with - FDA/EC/ISO approved/of Proven quality	2
6.	Bioprosthetic Mitral valve size 29mm	with flexible radio-opaque stent – with provision for supra-annular placement of the sewing ring - with automated deflection system attached to the valve with sutures for easy delivery of the valve – with - FDA/EC/ISO approved/of Proven quality	2

	7.	Bioprosthetic Mitral valve size 31mm	with flexible radio-opaque stent – with provision for supra-annular placement of the sewing ring - with automated deflection system attached to the valve with sutures for easy delivery of the valve – with - FDA/EC/ISO approved/of Proven quality	2
34. Valved conduits	1	Heterlogous (bovine jugular) valved conduit for Right ventricular outlet – size 12 mm	FDA/EC/ISO approved/of Proven quality	1
	2	Heterlogous (bovine jugular) valved conduit for Right ventricular outlet – size 14 mm	FDA/EC/ISO approved/of Proven quality	1
	3	Heterlogous (bovine jugular) valved conduit for Right ventricular outlet – size 16 mm	FDA/EC/ISO approved/of Proven quality	1
	4	Heterlogous (bovine jugular) valved conduit for Right ventricular outlet – size 18 mm	FDA/EC/ISO approved/of Proven quality	1

5	Heterologous (bovine jugular) valved conduit for Right ventricular outlet – size 20 mm	FDA/EC/ISO approved/of Proven quality	1
6	Bio-prosthetic Stentless valve with Aortic root - 17mm	- For Bental operation. - FDA/EC/ISO approved/of Proven quality	1
7	Bio-prosthetic Stentless valve with Aortic root - 19mm	- For Bental operation. FDA/EC/ISO approved/of Proven quality	1
8	Bio-prosthetic Stentless valve with Aortic root - 21mm	- For Bental operation. FDA/EC/ISO approved/of Proven quality	1
9	Bio-prosthetic Stentless valve with Aortic root - 23mm	- For Bental operation. - FDA/EC/ISO approved/of Proven quality	1
10	Bio-prosthetic Stentless valve with Aortic root - 25mm	- For Bental operation. FDA/EC/ISO approved/of Proven quality	1
9	Prosthetic Composite Aortic Valved Conduits – 19 mm	For Bental operation. Should be incorporated with prosthetic bileaflet valve of size 19 mm mounted on to collagen impregnated double velour woven polyester tube grafts Should be supplied with valve holder, valve sizer & cauterizing loop for creating perforation in the graft.	2
10	Prosthetic	For Bental operation.	2

	Composite Aortic Valved Conduits – 21 mm	<p>Should be incorporated with prosthetic bileaflet valve of size 21 mm mounted on to collagen impregnated double velour woven polyester tube grafts</p> <p>Should be supplied with valve holder, valve sizer & cauterizing loop for creating perforation in the graft.</p>	
11	Prosthetic Composite Aortic Valved Conduits – 23 mm	<p>For Bental operation.</p> <p>Should be incorporated with prosthetic bileaflet valve of size 23 mm mounted on to collagen impregnated double velour woven polyester tube grafts</p> <p>Should be supplied with valve holder, valve sizer & cauterizing loop for creating perforation in the graft.</p>	2
12	Prosthetic Composite Aortic Valved Conduits – 25 mm	<p>For Bental operation.</p> <p>Should be incorporated with prosthetic bileaflet valve of size 19 mm mounted on to collagen impregnated double velour woven polyester tube grafts</p> <p>Should be supplied with valve holder, valve sizer & cauterizing loop for creating perforation in the graft.</p>	2
13	Prosthetic Composite Aortic Valved Conduits – 27 mm	<p>For Bental operation.</p> <p>Should be incorporated with prosthetic bileaflet valve of size 19 mm mounted on to collagen impregnated double velour woven polyester tube grafts</p>	2

			Should be supplied with valve holder, valve sizer & cauterizing loop for creating perforation in the graft.	
35. Prosthetic support system for annuloplasty valve procedures.	1	Annuloplasty rings for Mitral valve – Flexible complete ring type - 20 or 21 mm	FDA/EC/ISO approved/of Proven quality	2
			To be supplied with the sizer & Holder.	
	2	Annuloplasty rings for Mitral valve – Flexible complete ring type - 22 or 23 mm	FDA/EC/ISO approved/of Proven quality	2
			To be supplied with the sizer & Holder.	
	3	Annuloplasty rings for Mitral valve – Flexible complete ring type - 24 or 25 mm	FDA/EC/ISO approved/of Proven quality	2
			To be supplied with the sizer & Holder.	
	4	Annuloplasty rings for Mitral valve – Flexible complete ring type - 26 or 27 mm	FDA/EC/ISO approved/of Proven quality	2
To be supplied with the sizer & Holder.				
5	Annuloplasty rings for Mitral valve – Flexible complete ring type - 28 or 29 mm	FDA/EC/ISO approved/of Proven quality	2	
		To be supplied with the sizer & Holder.		
6	Incomplete C ring for Tricuspid valve Annuloplasty	FDA/EC/ISO approved/of Proven quality	2	
	Size: 20 or 21 mm	To be supplied with the sizer & Holder.		

7	Incomplete C ring for Tricuspid valve Annuloplasty	FDA/EC/ISO approved/of Proven quality	2
	Size: 22 or 23 mm	To be supplied with the sizer & Holder.	
8	Incomplete C ring for Tricuspid valve Annuloplasty	FDA/EC/ISO approved/of Proven quality	2
	Size: 24 or 25 mm	To be supplied with the sizer & Holder.	
9	Incomplete C ring for Tricuspid valve Annuloplasty	FDA/EC/ISO approved/of Proven quality	2
	Size: 26 or 27 mm	To be supplied with the sizer & Holder.	
10	Incomplete C ring for Tricuspid valve Annuloplasty	FDA/EC/ISO approved/of Proven quality	2
	Size: 28 or 29 mm	To be supplied with the sizer & Holder.	
11	Incomplete C ring for Tricuspid valve Annuloplasty	FDA/EC/ISO approved/of Proven quality	2
	Size: 30 or 31 mm	To be supplied with the sizer & Holder.	
12	Flexible – autoadaptive - annuloplasty bands for Mitral or Tricuspid valve	FDA/EC/ISO approved/of Proven quality 100 mm long -with disposable holder – with graduated markings – easy release trigger & suture lock mechanism	4

			To be supplied with the sizer & Holder.	
36. Embolectomy catheters	1	Arterial embolectomy catheter	With wall-mount catheter rack.	3
		Size - 2F x 60 cm	(sample product to be shown / supplied)	
	2	Arterial embolectomy catheter	With wall-mount catheter rack.	20
		Size – 3F x 80 cm	(sample product to be shown / supplied)	
	3	Arterial embolectomy catheter	With wall-mount catheter rack.	20
		Size – 5F x 80 cm	(sample product to be shown / supplied)	
	4	Arterial embolectomy catheter	With wall-mount catheter rack.	20
		Size - 7F x 80 cm	(sample product to be shown / supplied)	
37. Carotid shunts	1	Balloon type Carotid shunts	Carotid shunts with internal & common carotid Balloons with separate inflating ports and a side arm for pressure monitoring – also with depth markings- Size: 9 F	2
	2	Tapering type Carotid shunts	Carotid shunts with tapering size from 17F at one end to 10F at another end.	2
	3	Straight type Carotid shunts	Carotid shunts – straight type with T port - with size 8F	2
38. ePTFE vascular tube grafts	1.	ePTFE tube graft 3 mm x 10 cm	3 mm ePTFE tube grafts x 10 cm - preferably with thin wall.	5
	2.	ePTFE tube graft 3.5 mm x 10 cm	3.5 mm ePTFE tube grafts x 10 cm - preferably with thin wall.	5

3.	ePTFE tube graft 4 mm x 10 cm	4 mm ePTFE tube grafts x 10 cm - preferably with thin wall.	2
4.	ePTFE tube graft 4.5 mm x 10 cm	4.5 mm ePTFE tube grafts x 10 cm - preferably with thin wall.	2
5.	ePTFE tube grafts 6 mm x 20 cm	6 mm ePTFE tube grafts x 20 cm	4
6.	ePTFE tube grafts 6 mm x 50 cm	6 mm ePTFE tube grafts x 50 cm	2
7.	ePTFE tube grafts 7 mm x 20 cm	7 mm ePTFE tube grafts - x 20 cm	3
8.	ePTFE tube grafts 7 mm x 50 cm	7 mm ePTFE tube grafts - x 50 cm	1
9.	ePTFE tube grafts 7 mm x 70 cm	7 mm ePTFE tube grafts - x 70 cm	1
10.	ePTFE tube grafts - 8 mm x 20 cm	8 mm ePTFE tube grafts - x 20 cm	3
11.	ePTFE tube grafts - 8 mm x 50 cm	8 mm ePTFE tube grafts - x 50 cm	1
12.	ePTFE tube grafts - 8 mm x 70 cm	8 mm ePTFE tube grafts - x 70 cm	1
13.	ePTFE tube grafts - 10 mm x 20 cm	10 mm ePTFE tube grafts - x 20 cm	3
14.	ePTFE tube grafts - 10 mm x 50 cm	10 mm ePTFE tube grafts - x 50 cm	1
15.	ePTFE tube grafts - 10 mm x 70 cm	10 mm ePTFE tube grafts - x 70 cm	1
16.	ePTFE tube grafts - 13 mm x 35 cm	13 mm ePTFE tube grafts - 35 cm	1

	17.	ePTFE tube grafts - 16 mm x 35 cm	16 mm ePTFE tube grafts - 35 cm	1
	18.	ePTFE tube grafts - 19 mm x 35 cm	19 mm ePTFE tube grafts - 35 cm	1
55. Polyester Straight Tube grafts	1.	Polyester Woven Straight Tube grafts 8 mm x 30 cm	Collagen Coated - Polyester Woven Straight Tube grafts with crimps - 8 mm x 30 cm	1
	2.	Polyester Woven Straight Tube grafts 8 mm x 70 cm	Collagen Coated - Polyester Woven Straight Tube grafts with crimps - 8 mm x 70 cm	1
	3.	Polyester Woven Straight Tube grafts 10 mm x 30 cm	Collagen Coated - Polyester Woven Straight Tube grafts with crimps - 10 mm x 30 cm	1
	4.	Polyester Woven Straight Tube grafts 10 mm x 70 cm	Collagen Coated - Polyester Woven Straight Tube grafts with crimps - 10 mm x 70 cm	1
	5.	Polyester Woven Straight Tube grafts 12 mm x 15 cm	Collagen Coated - Polyester Woven Straight Tube grafts with crimps - 12 mm x 15 cm	1
	6.	Polyester Woven Straight Tube grafts 12 mm x 30 cm	Collagen Coated - Polyester Woven Straight Tube grafts with crimps - 12 mm x 30 cm	1
	7.	Polyester Woven Straight Tube grafts 14 mm x 15 cm	Collagen Coated - Polyester Woven Straight Tube grafts with crimps - 14 mm x 15 cm	1

8.	Polyester Woven Straight Tube grafts 14 mm x 30 cm	Collagen Coated - Polyester Woven Straight Tube grafts with crimps - 14 mm x 30 cm	1
9.	Polyester Woven Straight Tube grafts 16 mm x 15 cm	Collagen Coated - Polyester Woven Straight Tube grafts with crimps - 16 mm x 15 cm	1
10.	Polyester Woven Straight Tube grafts 16 mm x 30 cm	Collagen Coated - Polyester Woven Straight Tube grafts with crimps - 16 mm x 30 cm	1
11.	Polyester Woven Straight Tube grafts 18 mm x 15 cm	Collagen Coated - Polyester Woven Straight Tube grafts with crimps - 18 mm x 15 cm	2
12.	Polyester Woven Straight Tube grafts 18 mm x 30 cm	Collagen Coated - Polyester Woven Straight Tube grafts with crimps - 18 mm x 30 cm	2
13.	Polyester Woven Straight Tube grafts 20 mm x 15 cm	Collagen Coated - Polyester Woven Straight Tube grafts with crimps - 20 mm x 15 cm	2
14.	Polyester Woven Straight Tube grafts 20 mm x 30 cm	Collagen Coated - Polyester Woven Straight Tube grafts with crimps - 20 mm x 30 cm	2
15.	Polyester Woven Straight Tube grafts 22 mm x 15 cm	Collagen Coated - Polyester Woven Straight Tube grafts with crimps - 22 mm x 15 cm	2

	16.	Polyester Woven Straight Tube grafts 22 mm x 30 cm	Collagen Coated - Polyester Woven Straight Tube grafts with crimps - 22 mm x 30 cm	2
	17.	Polyester Woven Straight Tube grafts 24 mm x 15 cm	Collagen Coated - Polyester Woven Straight Tube grafts with crimps - 24 mm x 15 cm	2
	18.	Polyester Woven Straight Tube grafts 26 mm x 15 cm	Collagen Coated - Polyester Woven Straight Tube grafts with crimps - 26 mm x 15 cm	2
	19.	Polyester Woven Straight Tube grafts 28 mm x 15 cm	Collagen Coated - Polyester Woven Straight Tube grafts with crimps - 28 mm x 15 cm	1
	20.	Polyester Woven Straight Tube grafts 30 mm x 15 cm	Collagen Coated - Polyester Woven Straight Tube grafts with crimps - 30 mm x 15 cm	1
55. Polyester Bifurcated Tube grafts	1	Bifurcated Polyester Woven Tube grafts 12 mm x 6mm-50cm	Collagen Coated - Polyester Woven Y type Tube grafts with crimps	3
			Size: 12 mm x 6 mm - 50 cm	
	2	Bifurcated Polyester Woven Tube grafts 14 mm x 7 mm-50cm	Collagen Coated - Polyester Woven Y type Tube grafts with crimps	5
			Size: 14 mm x 7 mm - 50 cm	
3	Bifurcated Polyester Woven Tube grafts 16 mmx 8mm- 50cm	Collagen Coated - Polyester Woven Y type Tube grafts with crimps	1	
		Size: 16 mm x 8 mm - 50 cm		
4	Bifurcated Polyester Woven Tube	Collagen Coated - Polyester Woven Y type Tube grafts with crimps	1	

		grafts 18 mm x9mm-50 cm	Size: 18 mm x 9 mm - 50 cm	
56. Polyester Aortic arch graft	1	Collagen coated Polyester Aortic arch graft	Aortic arch graft with pre-sown three branches and a perfusion branch – Collagen Coated - Polyester Woven Tube grafts with crimps – Diameters: 22 x 10 x 8 x 8 x 10 mm Length : 50 x 30 x 30 x 30 cm	2
	2	Collagen coated Polyester Aortic arch graft	Collagen Coated - Polyester Woven Tube grafts with crimps with a pre-sown perfusion branch — Diameters: 20 x 10 mm Length : 35 x 40 cm	2
57. Polyester FELT & Patch	1	Polyester FELT	- (1.65 mm thick) - 15 x 15 cm	3
	2	Polyester patch - Double Velour type -	(1.5 mm thick) - 15 x 15 cm	3
	3	Polyester patch – Woven type - Thick	(0.91 mm thick) - 15 x 15 cm	3
	4	Polyester patch – Woven type - Thin	(0.25 mm thick) - 15 x 15 cm	3
57. PTFE FELT & Patch	1	PTFE FELT	(1.65 mm thick) – 10 x 10 cm	3
	2	ePTFE patch - Thick	- 0.6 mm thick– 10 x 15 cm	3
	3	ePTFE patch - Thin	- 0.4 mm thick – 3 x 6 cm	3
58. ePTFE sutures	1.	ePTFE sutures 2-0	Double armed – Taper point needles – preferably with needle to suture ratio nearer to or equivalent to 1:1.	2

		Suture size : Equivalent of 2-0 (USP) in terms of tensile strength – 90 cm - 1/2 circle needle	
2.	ePTFE sutures 3-0	Double armed – Taper point needles – preferably with needle to suture ratio nearer to or equivalent to 1:1. Suture size : Equivalent of 3-0 (USP) in terms of tensile strength – 90 cm - 1/2 circle needle	2
3.	ePTFE sutures 4-0	Double armed – Taper point needles – preferably with needle to suture ratio nearer to or equivalent to 1:1. Suture size : Equivalent of 4-0 (USP) in terms of tensile strength – 90 cm – 3/8 circle needle	2
4.	ePTFE sutures 5-0	Double armed – Taper point needles – preferably with needle to suture ratio nearer to or equivalent to 1:1. Suture size : Equivalent of 5-0 (USP) in terms of tensile strength – 90 cm – 3/8 circle needle	2
5.	ePTFE sutures 6-0	Double armed – Taper point needles – preferably with needle to suture ratio nearer to or equivalent to 1:1. Suture size : Equivalent of 6-0 (USP) in terms of tensile strength – 75 cm – 3/8 circle needle	2
6.	ePTFE sutures 7-0	Double armed – Taper point needles – preferably with needle to suture ratio nearer to or equivalent to 1:1. Suture size : Equivalent of 7-0 (USP) in terms of tensile strength – 75 cm – 3/8 circle needle	2

59. Topical hemostatic agents	1	Tissue sealant glue	Topical hemostatic fibrin tissue sealant glue (Human Thrombin & Fibrinogen) in prefilled syringes with complete applicator system with a capacity to seal an area of at least 16 cm² . (Sample demonstration needed).	2 sets
	2	Tissue sealant patch	Topical hemostatic fibrin tissue sealants (preferably human derived) in patch form of size 3 x 3 cm (Sample demonstration needed)	20 patches
	3	Oxidized cellulose fibers	Topical absorbable hemostatic oxidized regenerated cellulose as staple fibers in envelop form of size 2 x 4 inches with the ease of grasping & peeling off into any desired amount with forceps . (Sample demonstration needed)	50 envelops
	4	MPS hemostatic powder	Topical hemostatic- clinically proven - non-toxic – biocompatible particles / powder (preferably absorbable plant-derived microporous polysaccharide) with applicators - in package of 3 grams. (Sample demonstration needed)	10 packs
60. Implantable markers	1	Graft marker pieces	Implantable Bio-compatible - Radio-opaque graft marker pieces preferably with a suture port.	25
61. Stockings	1	Compression stockings for lower limbs (upto thigh)	Graded compression stockings for lower limbs to support after saphenous venous	50

			harvest (after CABG operations)	
			(sample product to be supplied)	
	2	Compression stockings for lower limbs (upto knee)	Graded compression stockings for lower limbs to support after saphenous venous harvest (after CABG operations)	30
			(sample product to be supplied)	
62. Elastic bandage	1	Elastic stretchable compression bandage	Durable non-adhering & stretchable compression bandage (5 inch width) for leg after venous operations. (sample product to be supplied)	100
63. Glucometer system	1	Blood Glucometer with test strips	A set of Blood sugar test strips (2500 numbers) with a testing machine (Demonstration needed) FDA/EC/ISO approved/of Proven quality:	2 sets
				(2 machines & 5000 strips)
64. Blood gas – electrolyte analyzer system	2	Blood gas & electrolyte analyzer kits & machine	Cartridges/Kits with MACHINE for analyzing blood gas, electrolytes (Sodium & Potassium) and hemoglobin with facility to give printed values with display.	1 set
			(Total price to be quoted for the expenditure involved to procure the machine with number of cartridges for performing 20 samples per day x 1 year = 7300 samples; With a warranty period of at least 2 years for the machine.	
			Demonstration to be conducted	

65. Disposable & battery operated – compact mini-pulse oximeter	1	Disposable & battery operated – compact mini-pulse oximeter	with battery life of at least 24 hours on continuous use – for out-patient evaluation (Sample demonstration needed)	5
66. Bronchial stapler system	1	Bronchial staple with applicator	Delivery by parallel action design (Demonstration needed)	2
67. Bronchial blockers	1	Arndt Endobronchial Blocker: 5F	Wire guided Arndt Endobronchial Blocker - For one lung ventilation	2
	2	Arndt Endobronchial Blocker: 7F	Wire guided Arndt Endobronchial Blocker - For one lung ventilation	2
	3	Arndt Endobronchial Blocker: 9F	Wire guided Arndt Endobronchial Blocker - For one lung ventilation	2
	4	Cohen endobronchial blocker – size 9F	Tip-deflecting, wire-guided Cohen endobronchial blocker –	2
68. Sternal bands	1	Internal Sternal fixing bands	for parasternal closure. (sample demonstration needed)	30 bands
69. Chest drain system	1.	Chest drain catheter 16F	Disposable Thoracic drain without trocar with blunted tip with radio opaque line, with adaptor for 1/4” connections or step connector (sample product to be supplied)	30
	2.	Chest drain catheter 18F	Disposable Thoracic drain without trocar with blunted tip with radio opaque line, with adaptor for 1/4” connections or step connector (sample product to be supplied)	30

3.	Chest drain catheter 20F	Disposable Thoracic drain without trocar with blunted tip with radio opaque line, with adaptor for 1/4" connections or step connector (sample product to be supplied)	30
4.	Chest drain catheter 24F	Disposable Thoracic drain without trocar with blunted tip with radio opaque line, with adaptor for 1/4" connections or step connector (sample product to be supplied)	30
5.	Chest drain catheter 28F	Disposable Thoracic drain without trocar with blunted tip with radio opaque line, with adaptor for 1/4" connections or step connector (sample product to be supplied)	200
6.	Chest drain catheter 32F	Disposable Thoracic drain without trocar with blunted tip with radio opaque line, with adaptor for 1/4" connections or step connector (sample product to be supplied)	200
7.	Chest drain catheter with trocar 16F	Disposable Thoracic drain with trocar - with radio opaque line, with adaptor for 1/4" connections or step connector (sample product to be supplied)	10
8.	Chest drain catheter with trocar 18F	Disposable Thoracic drain with trocar - with radio opaque line, with adaptor for 1/4" connections or step	10

		connector	
		(sample product to be supplied)	
9.	Chest drain catheter with trocar 20F	Disposable Thoracic drain with trocar - with radio opaque line, with adaptor for 1/4" connections or step connector	10
		(sample product to be supplied)	
10.	Chest drain catheter with trocar 24F	Disposable Thoracic drain with trocar - with radio opaque line, with adaptor for 1/4" connections or step connector	30
		(sample product to be supplied)	
11.	Chest drain catheter with trocar 28F	Disposable Thoracic drain with trocar - with radio opaque line, with adaptor for 1/4" connections or step connector	100
		(sample product to be supplied)	
12.	Chest drain catheter with trocar 32F	Disposable Thoracic drain with trocar - with radio opaque line, with adaptor for 1/4" connections or step connector	200
		(sample product to be supplied)	
13.	Angled Chest drain catheter 24F	Angled Disposable Thoracic drain without trocar with blunted tip with radio opaque line, with adaptor for 1/4" connections or step connector	50
		(sample product to be supplied)	

14.	Angled Chest drain catheter 28F	Angled Disposable Thoracic drain without trocar with blunted tip with radio opaque line, with adaptor for 1/4" connections or step connector	100
		(sample product to be supplied)	
15.	Angled Chest drain catheter 32F	Angled Disposable Thoracic drain without trocar with blunted tip with radio opaque line, with adaptor for 1/4" connections or step connector	100
		(sample product to be supplied)	
16.	Angled Chest drain catheter 36F	Angled Disposable Thoracic drain without trocar with blunted tip with radio opaque line, with adaptor for 1/4" connections or step connector	50
		(sample product to be supplied)	
17.	Chest drain bottle 1/2 litre	Disposable Chest Drainage (underwaterseal) bottle with 500 ml with facility for suction and patient connection tube with step type connector (Sample to be supplied)	100
18.	Chest drain bottle 1.5 to 2 litre	Disposable Chest Drainage (underwaterseal) bottle with 1500 ml to 2000 ml with facility for suction and patient connection tube with step type connector (Sample to be supplied)	400

	19.	Chest drain bags	Disposable Chest Drainage (underwaterseal) bags with at least 500 ml to 1000 ml capacity with patient connection tube with step type connector (Sample to be supplied)	20
70. Central venous catheter system	1	Triple Lumen central venous catheter	Latex free – radioopaque polyurethane catheter impregnated with antimicrobial agents with introducer needle dilator, J –tip guide wire with complete set with extension line clamps	150
		7F - 20 cm long	(sample product to be supplied/ demonstrated)	
	2	Triple Lumen central venous catheter	Latex free – radioopaque polyurethane catheter impregnated with antimicrobial agents with introducer needle dilator, J –tip guide wire with complete set with extension line clamps	25
		5.5F - 8cm long	(sample product to be supplied/ demonstrated)	
	3	Triple Lumen central venous catheter	Latex free – radioopaque polyurethane catheter impregnated with antimicrobial agents with introducer needle dilator, J –tip guide wire with complete set with extension line clamps	50
		5.5F - 13cm long	(sample product to be supplied/ demonstrated)	
	4	Peripherally inserted central venous catheter (PICC)	Latex free – radioopaque polyurethane catheter with introducer needle & placement wire.	10

		3F – 50 cm long	(sample product to be supplied/ demonstrated)	
	5	Peripherally inserted central venous catheter (PICC)	Latex free – radioopaque polyurethane catheter impregnated with antimicrobial agents with introducer needle dilator, J –tip guide wire with complete set with extension line clamps	50
		4F – 50 cm long	(sample product to be supplied/ demonstrated)	
	6	Peripherally inserted central venous catheter (PICC)	Latex free – radioopaque polyurethane catheter impregnated with antimicrobial agents with introducer needle dilator, J –tip guide wire with complete set with extension line clamps	50
		5F – 50cm long	(sample product to be supplied/ demonstrated)	
71. Arterial catheter system	1	Arterial catheter introducer sheath 5F	Introducer sheaths for arterial catheters – with dilator & guidewire – length of at least 11 cm. (sample product to be supplied)	50
	2	Arterial catheter introducer sheath 6F	Introducer sheaths for arterial catheters – with dilator & guidewire – length of at least 11 cm. (sample product to be supplied)	50
	3	Arterial catheter introducer sheath 7F	Introducer sheaths for arterial catheters – with dilator & guidewire – length of at least 11 cm. (sample product to be supplied)	20
	4	Arterial catheter 16G	Arterial catheter for online pressure monitoring with introducer needle (sample product to be supplied)	50

5	Arterial catheter 18G	Arterial catheter for online pressure monitoring with introducer needle	100
		(sample product to be supplied)	
6	Arterial catheter 20G	Arterial catheter for online pressure monitoring with introducer needle	100
		(sample product to be supplied)	
7	Arterial catheter 22G	Arterial catheter for online pressure monitoring with introducer needle	100
		(sample product to be supplied)	
8	Arterial catheter 24G	Arterial catheter for online pressure monitoring with introducer needle	100
		(sample product to be supplied)	
9	Femoral Arterial catheter 16G	Arterial catheter kit with introducer needle, guidewire & catheter with luer lock fittings & fixation wings – for femoral puncture - (sample product to be supplied)	50
10	Femoral Arterial catheter 18G	Arterial catheter kit with introducer needle, guidewire & catheter with luer lock fittings & fixation wings – for femoral puncture - (sample product to be supplied)	50
11	Femoral Arterial catheter 20G	Arterial catheter kit with introducer needle, guidewire & catheter with luer lock fittings & fixation wings – for femoral puncture - (sample product to be supplied)	50

	12	Femoral Arterial catheter 22G	Arterial catheter kit with introducer needle, guidewire & catheter with luer lock fittings & fixation wings – for femoral puncture - (sample product to be supplied)	50
	13	Femoral Arterial catheter 24G	Arterial catheter kit with introducer needle, guidewire & catheter with luer lock fittings & fixation wings – for femoral puncture - (sample product to be supplied)	50
72. Urobag with urinometer	1	Urine collecting bag with measuring chamber (Urinometer)	Urine collecting bag with measuring chamber (Urinometer) of 150 ml & total bag capacity of 1.5 – 2 Lit with connector for Foley Type indwelling catheter (sample product to be supplied)	300
73. Suction catheters	1	Endotracheal Suction catheter with thumb control 6F	Endotracheal Suction catheter with thumb control	100
			(sample product to be supplied)	
	2	Endotracheal Suction catheter with thumb control 8F	Endotracheal Suction catheter with thumb control	200
			(sample product to be supplied)	
	3	Endotracheal Suction catheter with thumb control 10F	Endotracheal Suction catheter with thumb control	500
(sample product to be supplied)				
4	Endotracheal Suction catheter with thumb control 12F	Endotracheal Suction catheter with thumb control	500	
		(sample product to be supplied)		
5	Endotracheal Suction catheter with thumb control 14F	Endotracheal Suction catheter with thumb control	300	
		(sample product to be supplied)		

			supplied)		
74. Pressure infusion bag	1	Pressure infusion bags	Disposable Pressure infusion bags 1 lit capacity with pressure monitoring facility	300	
75. Extension lines for pressure monitoring	1	Arterial pressure monitoring extension line MF – 100 cm	Arterial pressure monitoring extension line male-female 100 cm long – straight/spiral type (sample product to be supplied/demonstrated)	500	
	2	Arterial pressure monitoring extension line MF– 200 cm	Arterial pressure monitoring extension line male-female 200 cm long – straight/spiral type (sample product to be supplied/demonstrated)	500	
	3	Arterial pressure monitoring extension line MM – 100 cm	Arterial pressure monitoring extension line male-male 100 cm long – straight/spiral type (sample product to be supplied/demonstrated)	500	
	4	Arterial pressure monitoring extension line MM– 200 cm	Arterial pressure monitoring extension line male-male 200 cm long – straight/spiral type (sample product to be supplied/demonstrated)	500	
	5		Arterial pressure monitoring extension line with three way stop cock – 25 cm	Arterial pressure monitoring extension line with three way stop cock – 25 cm	300
				(sample product to be supplied/ demonstrated)	
	6		Arterial pressure monitoring extension line with three way stop cock – 10 cm	Arterial pressure monitoring extension line with three way stop cock – 10 cm	300
(sample product to be supplied/ demonstrated)					
7		Venous extension line –	Venous extension line with three way stop cock	300	

		100 cm	- 100 cm	
			(sample product to be supplied/ demonstrated)	
	8	Venous extension line – 200 cm	Venous extension line with three way stop cock – 200 cm	300
			(sample product to be supplied/ demonstrated)	
76. Chamber set Microdrip system	1	Chamber attached IV line set	Chamber set (for adding drugs for slow administration) - attached Microdrip intravenous infusion set	500
			(sample product to be supplied)	
77. Cautery pencils	1	Hand held pencil twin switch type	Hand held pencil twin switch type for cutting & Coagulation mode control for Valley lab SSE 2L & Martin electrosurgical unit	50
	2	Hand held pencil twin switch type with long handle type	Hand held pencil twin switch type for cutting & Coagulation mode control for Valley lab SSE 2L & Martin electrosurgical unit with	10
78. Skin stapling system	1	Surgical skin staples with applicator	Surgical skin staples (1000 numbers) with staple – applicator & staple remover.	1 set
79. Instrument covers	1	Jaw covers for artery forceps – 2.5	Disposable Radio-opaque jaw covers for artery forceps to give an atraumatic grip – sizes of diameter : 2.5mm	100
			(sample product to be supplied)	
	2	Jaw covers for artery forceps – 5.0	Disposable Radio-opaque jaw covers for artery forceps to give an atraumatic grip – sizes of diameter : 5 mm	100
			(sample product to be supplied)	

	3	Jaw covers for artery forceps – 7.5	Disposable Radio-opaque jaw covers for artery forceps to give an atraumatic grip – sizes of diameter : 7.5 mm (sample product to be supplied)	100
	4	Vented covers for micro-instruments	Disposable radio-opaque vented covers to protect the tips of microvascular instruments like scissors, forceps, needle holder , etc - withstanding steam, flash & ETO – various sizes (sample product to be supplied)	100
80. Sterile labels	1	Sterile Color coding sheets	Color coding sheets to label the instruments for identification – size 8.5 x 11” in different colors. (sample product to be supplied)	10
81. Suture packet organizers	1	Suture packet organizers	Suture packet organizers – sterile & disposable. (two sizes: to accommodate 10 & 20 suture packets) (sample product to be supplied)	20
82. Magnet mat	1	Magnetic mat	Re-useable & Autoclavable Magnetic mat for securing metallic surgical instruments in the operative table – Size (40cm x 30cm)	5
83. Instrument organizer	1	Surgical instrument organizer -15	Re-useable & Autoclavable – table top – Surgical instrument organizer (two sizes: to accommodate 15 umbers) (sample product to be demonstrated)	10

	2	Surgical instrument organizer -30	Re-useable & Autoclavable – table top – Surgical instrument organizer (two sizes: to accommodate 30 numbers) (sample product to be demonstrated)	10
	3	Surgical instrument organizer with string -15	Re-useable & Autoclavable – Surgical instrument organizer – with built-in string (two sizes: to accommodate 15 numbers) (sample product to be demonstrated)	10
	4	Surgical instrument organizer with string -30	Re-useable & Autoclavable – Surgical instrument organizer – with built-in string (two sizes: to accommodate 30 numbers) (sample product to be demonstrated)	10
84. Safe disposal system	1	Safe disposal container	Disposable Container for Organizing, Counting & Safe Disposal of surgical blades & needles preferably with scalpel blade remover. (sample product to be demonstrated)	30
85. Sterile packing system	1	Sterilisation packing paper.	Sterilisation pack of paper 15 cm breadth for ETO with length 100 meter roll (sample product to be demonstrated)	1 roll
	2	Heat sealable plastic bags - 7 x 12 cm	Disposable – heat sealable plastic bags of thickness at least 2 mil units (= 50 microns) – size equivalent to or nearer to the dimension mentioned.	100

		(sample product to be demonstrated)	
3	Heat sealable plastic bags – 15 x 30 cm	Disposable – heat sealable plastic bags of thickness at least 2 mil units (= 50 microns) – size equivalent to or nearer to the dimension mentioned.	100
		(sample product to be demonstrated)	
4	Heat sealable plastic bags – 25 x 35 cm	Disposable – heat sealable plastic bags of thickness at least 2 mil units (= 50 microns) – size equivalent to or nearer to the dimension mentioned.	100
		(sample product to be demonstrated)	
5	Heat sealable plastic bags – 25 x 45 cm	Disposable – heat sealable plastic bags of thickness at least 2 mil units (= 50 microns) – size equivalent to or nearer to the dimension mentioned.	100
		(sample product to be demonstrated)	
6	Self sealable envelopes	Disposable – self sealable envelopes specially designed for packing surgical items for plasma sterilization with medical grade thickness –	
	7 x 12 cm	Size may be equivalent to or nearer to the dimension mentioned.	
		(sample product to be demonstrated)	
7	Self sealable envelopes	Disposable – self sealable envelopes specially designed for packing surgical items for plasma sterilization with medical grade thickness	

		-	
	15 x 30 cm	Size may be equivalent to or nearer to the dimension mentioned.	
		(sample product to be demonstrated)	
8	Self sealable envelopes	Disposable – self sealable envelopes specially designed for packing surgical items for plasma sterilization with medical grade thickness –	
	25 x 35 cm	Size may be equivalent to or nearer to the dimension mentioned.	
		(sample product to be demonstrated)	
9	Self sealable envelopes	Disposable – self sealable envelopes specially designed for packing surgical items for plasma sterilization with medical grade thickness –	
	25 x 35 cm	Size may be equivalent to or nearer to the dimension mentioned.	
		(sample product to be demonstrated)	
10	Self sealable envelopes	Disposable – heat sealable plastic bags of thickness at least 2 mil units (= 50 microns) – size equivalent to or nearer to the dimension mentioned.	
	25 x 45 cm	(sample product to be demonstrated)	
11	Thermal seal machine	For sealing the plastic bags – upto at least 30 cm	2

86. Incentive spirometer	1	Incentive Spirometer	Incentive Spirometer three ball type.	300
			(sample product to be demonstrated)	
87. Nebulization kit	1	Nebulization kit	Mask with nebulising chamber and port for oxygen administration	300
			(sample product to be demonstrated)	
88. Air bed	1	Motor driven air cushion bed	Motor driven air cushion bed – simple type.	4
	2	Multilayered dynamic pressure altering air cushion bed	Motor driven air cushion bed – multilayered dynamic pressure altered type	1
89. Cotton pads	1	Surgical cotton pads - Large	Sterile disposable surgical cotton pads with radio-opaque line marker	3000
			Size About: 9 x 9 cm;	
			(sample product to be demonstrated)	
	2	Surgical cotton pads - Small	Sterile disposable surgical cotton pads with radio-opaque line marker	3000
			Size About: 6 x 6 cm;	
			(sample product to be demonstrated)	
3	Surgical cotton gauze	Sterile disposable surgical cotton gauze with radio-opaque line marker	10000	
		Size About: 4 x 4 cm		
		(sample product to be demonstrated)		

90 Pressure monitoring kit	1	TWIN TYPE Disposable Pressure monitoring kit	TWIN TYPE Disposable Pressure monitoring kit (with transducer, flush device for 3ml/hr @ 300 mm Hg, extension lines) suitable to be connected to DATEX OHMEDA / SPACELAB /STAR PLUS (L & T) multiparameter monitors One pressure monitoring mother cable to be supplied (not on loan basis) for every 25 kits. (sample product to be demonstrated)	300
	2	SINGLE Disposable Pressure monitoring kit	SINGLE TYPE Disposable Pressure monitoring kit (with transducer, flush device for 3ml/hr @ 300 mm Hg, extension lines) suitable to be connected to DATEX OHMEDA / SPACELAB /STAR PLUS (L & T) multiparameter monitors One pressure monitoring mother cable to be supplied (not on loan basis) for every 25 kits. (sample product to be demonstrated)	200