

Technical Specification of Cardiac Surgical Instruments for CTVS

S.N.	Description	Bidder's Compliance		Page No. of Catalogue
		Yes	NO	
	Manufacturer			
	Brand			
	Type/Model			
	Country of Origin			
A	Operational Requirements			
A.1	Surgical hand instruments for CTVS			
B	System Configuration			
B.1	It must be non-powered surgical instruments used in open surgeries.			
C	Technical Specification			
C.1	As per technical specification			
D	Technical Specification - Fine Cardiac Surgical Instruments	Qty. (Pcs.)		
D.1	Potts Micro Titanium Scissors Description: Angled 45°, 7 1/4" (18.5cm)	2		
D.2	YOU-POTTS VASCULAR SCISSORS Narrow, thin blade and round spring handles designed for a more precise and controlled arteriotomy. Angled 45 degrees, 12 mm blades, 7-3/8" (18.5 cm)	2		
D.3	Potts Micro Titanium Scissors Description: Angled 25°, 7 1/4" (18.5cm)	1		
D.4	Yasargil Vascular Scissors Description: Angled 45°, bayonet, 7-1/2" (19 cm), 15 mm blades	1		
D.5	Yasargil Vascular Scissors Description: Reverse angled 125°, Bayonet, 7 1/4" (18.5cm), 12.0mm blades	1		
D.6	Micro Titanium Scissors Description: Straight, 9" (23.0cm)	1		
D.7	Micro Titanium Scissors Description: Curved, Serrated, 8 1/4" (21.0cm)	1		
D.8	MICRO TITANIUM NEEDLE HOLDER Description: Straight, Round handle, With lock, 1mm Diamo-Grip jaw, 7 1/8" (18cm)	2		
D.9	MICRO TITANIUM NEEDLE HOLDER Description: Curved, Flat handle, With lock, 1mm Diamo-Grip jaw, 7 1/8" (18cm)	1		
D.10	MICRO TITANIUM NEEDLE HOLDER Description: Straight, Round handle, With lock, 8.8 x 1.3mm jaw, 7 1/8" (18cm), TC	2		
D.11	MICRO TITANIUM NEEDLE HOLDER Description: Straight, Round handle, With lock, 1.5mm jaw, 9" (23cm)	2		
D.12	MICRO TITANIUM NEEDLE HOLDER Description: Straight, round handle, with lock, 1.8 mm wide Diamo-Grip jaw, 8-1/4" (21 cm)	2		

D.13	MICRO TITANIUM NEEDLE HOLDER Description: Curved, Round handle, With lock, 1.1mm Diama-Grip jaw, 9" (23cm)	1			
D.14	JACOBSON MICRO TITANIUM NEEDLE HOLDER Description: Straight, Round handle, With lock, 12 x 1.1mm Diama-Grip jaw, 9" (23cm)	2			
D.15	DEBAKEY TITANIUM TISSUE FORCEPS Description: Delicate, 1.5mm tip, 6" (15 cm)	2			
D.16	MICRO TITANIUM DIAMAGRIP TYING FORCEPS Description: 7 1/8" (18 cm), Diama-Grip jaws	2			
D.17	MICRO DIAMA-GRIP RING FORCEPS Description: 1.5 mm tip, 7" (18 cm), Diama-Grip jaws Non Titanium	1			
D.18	MICRO DIAMA-GRIP RING FORCEPS Description: 1 mm tip, 7" (18 cm), Diama-Grip jaws	1			
D.19	GERALD TITANIUM TISSUE FORCEPS Description: Serrated, 6 7/8" (18 cm)	1			
D.20	JAMISON-METZENBAUM TENOTOMY SCISSORS The standard Metzenbaum-style curved blades have specially narrowed tenotomy-type distal tips 6" (15 cm)	2			
D.21	JAMISON-METZENBAUM TENOTOMY SCISSORS The standard Metzenbaum-style curved blades have specially narrowed tenotomy-type distal tips 7" (18 cm)	2			
D.22	Iris Scissors Description: Straight, 4 1/2" (11.5cm), TC	2			
D.23	Iris Scissors Description: Straight, 4 1/2" (11.5cm), TC	2			
D.24	ADSON DISSECTOR HOOKS 8" Sharp	3			
D.25	Pediatric Clamps, 1.5 mm Jaw DEBAKEY® PARTIAL OCCLUSION CLAMPS. Small, 4-3/8" (11 cm)	1			
D.26	CASTANEDA PEDIATRIC CLAMP Description: Curved, Serrated, 1/2" (1.4cm) tip length, 1.1mm tip width, Curved shaft, 6" (15cm)	1			
D.27	COOLEY NEONATAL CLAMP Description: Straight, 2mm tip width, Angled shaft, 5 1/8" (13cm)	1			
D.28	Pediatric Clamps, 1.5 mm Jaw DEBAKEY® PEDIATRIC AND ADULT VASCULAR CLAMPS. Medium, angled 45 degrees, 4-1/8" (10.5 cm)	1			
D.29	Pediatric Clamps, 1.5 mm Jaw DEBAKEY® PEDIATRIC AND ADULT VASCULAR CLAMPS. Angled 45 degrees, 1-3/8" (3.5 cm) jaw, 4-7/8" (12.5 cm)	1			
D.30	Pediatric Clamps, 2 mm Jaw DEBAKEY® PEDIATRIC MULTIPURPOSE CLAMPS DeBakey®-type Jaw, spring handle, 1 x 7 ratchets. Angled 60 degrees, jaw 1-1/4" (32 mm) long past angle, 6-1/4" (16 cm)	1			
D.31	Pediatric Clamps, 2 mm Jaw DEBAKEY® PEDIATRIC MULTIPURPOSE CLAMPS DeBakey®-type Jaw, spring handle, 1 x 7 ratchets. Angled 90 degrees, jaw 1-1/2" (37 mm) long past angle, 6" (15 cm)	1			

D.32	CASTANEDA TITANIUM VASCULAR CLAMPING FORCEPS 15 GRAMS Description: Angled, DeBakey type jaw, 5 1/2" (14 cm)	1			
E	Technical Specification - General Surgical Instruments				
E.1	Nichols tubing holder	1			
E.2	Vorse tubing occluding clamps for 1/4 " tubing	2			
E.3	Vorse tubing occluding clamps for 3/8" tubing	2			
E.4	Vorse tubing occluding clamps for 1/2" tubing	4			
E.5	Backhaus towel Clampd ; 13.5 cm	10			
E.6	Thumb dressing forceps 3mm Tip; 14.5 cm	10			
E.7	Thumb forceps 2mm tip ; 12.5 cm	10			
E.8	Addson forceps serrated 1.3 mm ip ; 12 cm length	6			
E.9	1x2 teeth thumd tissue forceps 2.6 mm tip and 14 cm length	6			
E.10	1x2 teeth thumd tissue forceps 3.3 mm tip and 18.5 cm length	6			
E.11	Debakey thoracic Tissue forceps 3 mm straight tip; and lenth 15.5 cm	10			
E.12	Debakey thoracic Tissue forceps 3 mm straight tip; and lenth 24 cm	6			
E.13	Debakey thoracic Tissue forceps 3 mm straight tip; and lenth 30.5 cm	4			
E.14	Debakey thoracic Tissue forceps 3 mm angle tip; and lenth 30.5 cm	2			
E.15	Debakey Vascular tissue forceps 2mm straight tip and length 15 cm	10			
E.16	Debakey Vascular tissue forceps 2mm straight tip and length 19.5 cm	4			
E.17	Debakey Vascular tissue forceps 2mm straight tip and length 24 cm	2			
E.18	Debakey Vascular tissue forceps 2mm angled tip and length 24 cm	2			
E.19	Debakey deitrich delicate vascular tissue forceps 1mm tip and 15 cm length	4			
E.20	Debakey deitrich delicate vascular tissue forceps 1mm tip and 19.5 cm length	2			
E.21	Vascular Debakey Bayonet tissue forceps 2mm tip and legth 19.5 cm	2			
E.22	Coronary ultrafine tissue forceps 18 cm	2			
E.23	Halstead mosquito forceps straight of 10 cm length	4			
E.24	Halstead mosquito forceps angle of 10 cm length	4			
E.25	Adson Hemostatic forceps 30 mm jaw and 2 mm tip 18 cm length	10			
E.26	Crile hemostat 14,5 cm length	10			
E.27	Kelly forceps curved 14.5 cm lenth	6			
E.28	1x2 teeth oschner kocher forceps curved 4 mm tip of 22 cm lenth	14			
E.29	micro mosquito forceps 1 mmm tip and 12.5 cm legth	6			
E.30	Debakey right angle forceps ; 19.5 cm length	2			
E.31	Debakey right angle forceps ; 26 cm length	1			
E.32	Lahey dissecting forceps 2.4 mm tip and 20 cm lenth	1			
E.33	Mixer thoracic forceps curved and debakey type jaw with 2.8 mm tip and length of 23.5 cm	1			
E.34	Mixer dissecting forceps 26 mm jaw ; 2 mm tip ; 18.5 cm length	1			
E.35	Mixer dissecting forceps 26 mm jaw ; 2.4 mm tip ; 28 cm length	1			
E.36	Rumel thoracic forceps D curved debakey jaw ; length 25 cm	2			
E.37	Allis tissue forceps ; 3x4 teeth; 15 cm length	4			
E.38	Allis tissue forceps ; 5x6 teeth; 23 cm length	2			
E.39	Babcock tissue forceps 16 cm lenth	2			
E.40	Debakey thoracic dissecting forceps D curve ; 2.8 mm tip and 24 cm length	1			
E.41	Pennington forceps 16x12.5 mm jaw and 21 cm length	2			
E.42	Mayo dissecting scissors curved 43 mm blade and 14 cm length	2			
E.43	Mayo dissecting scissors straigt 43.5 mm blade and 14.5 cm length	2			
E.44	Operating scissors blunt/blunt ; straight 12.5 cm	2			
E.45	Baby metzenbaum scissors curved ; 14.5 cm	2			

E.46	Metzenbaum curved scissors weck pattern bright finish 13.5 cm length	2			
E.47	Metzenbaum straight scissors weck pattern bright finish 13.5 cm length	2			
E.48	Metzenbaum curved scissors weck pattern bright finish 23 cm length	2			
E.49	Metzenbaum curved scissors weck pattern bright finish 28 cm length	2			
E.50	Metzenbaum shrp/sharp tip curved scissors weck pattern bright finish 14.5 cm length	2			
E.51	Nelson scissors TC, curved 28.5 cm length	1			
E.52	stevens tenotomy scissors sharp/sharp tip and 11 cm length	1			
E.53	Ryder needle holder 12.5x2 mm jaw and 16 cm lenth ; TC	2			
E.54	Mayo- Hegar Needle holder 14.6x 2.6 mm jaw and length 15 cm	2			
E.55	Mayo- Hegar Needle holder 15.7x 3 mm jaw and length 18 cm	2			
E.56	Mayo- Hegar Needle holder 16.3x 3.5 mm jaw and length 30 cm	2			
E.57	Sarot needle holde 26 cm length	1			
E.58	howell valve technique nedle holder 20.5 cm length	1			
F	Technical Specification - Cardiac Surgical Instruments				
F.1	Bumgarten wire twister TC; 20.5 cm lenth	1			
F.2	Berry sternal technique needle holder ; 19.5 cm lenth	2			
F.3	Volkman rake retractor 4 prongs blunt tip 21.5 cm length	2			
F.4	Dandy nerve hook 23 cm lenth	2			
F.5	Langenbeck retractor 1.5x 4 cm blade	2			
F.6	Weitlaner retractor 3x4 blunt prong 14 cm lenth	2			
F.7	Weitlaner retractor 2x3 blunt prong 11.5 cm lenth	2			
F.8	Deaver retractor 20 cm	1			
F.9	Fukushima suction tube 4fr tip 16 cm length	1			
F.10	Frazier suction tube 6fr tip 16 cm length	1			
F.11	Yankauer suction tube; 29 cm lenth	1			
F.12	Micro ring tip forceps 0.5 mm tip and 18 cm lenth	2			
F.13	Micro ring tip forceps 1.5 mm tip and 18 cm lenth	1			
F.14	Debakey modified Semb ligature carrier ;jaw curve on 2.5 cm radius, length 26.5 cm	1			
F.15	Bronchus clamp 25 degree angle debakey type ; 23 cm lenth	1			
F.16	Duval lung tissue forceps ; 23 cm	2			
F.17	Diethrich low tension bulldog clamps; straight 12 mm Jaw	10			
F.18	Diethrich low tension bulldog clamps; angled 8 mm Jaw	6			
F.19	Effler groves light weight bulldog clamp for maamry artery	2			
F.20	Temporary occlusion clip 7x2 mm blade	2			
F.21	Debakey Multipurpose 60 degree angled 1x9 ratchet ; 3.5 cm jaw and 24 cm length	1			
F.22	Debakey Multipurpose 60 degree angled 1x9 ratchet ; 5 cm jaw and 25 cm length	2			
F.23	Debakey Multipurpose 60 degree angled 1x9 ratchet ; 8 cm jaw and 29.5 cm length	1			
F.24	Morris ascending aorta clamp ; 6.5 cm jaw; 24 cm length	1			
F.25	Coronary Potts scissors 25 degree angle 15 mm blade ; 18 cm length	1			
F.26	Coronary Potts scissors 45 degree angle 15 mm blade ; 18 cm length	2			
F.27	Coronary Potts scissors 60 degree angle 15 mm blade ; 18 cm length	2			
F.28	Coronary Potts scissors 90 degree angle 15 mm blade ; 18 cm length	1			
F.29	Coronary Potts scissors 120 degree angle 15 mm blade ; 18 cm length	1			
F.30	Gianni technique needle holder 17.5x1.8 mm jaw; 26 cm length	2			

F.31	Jacobson micro needle holder 1.8 mm jaw 23 cm length	1			
F.32	Castrovejio technique Needle holder straight 13x 1.4 mm jaw; 18.5 cm length	4			
F.33	IMA retractor	1			
F.34	Finochietto rib retractor- pediatric/child	1			
F.35	Finochietto rib retractor- Adult	1			
F.36	Morse sternal retractor with double blade- child	1			
F.37	Morse sternal retractor with double blade- Adult	1			
F.38	Desmarres valve retractor; 8 mm width and 18.5 cm length	2			
F.39	Cardiac valve hook 10 mm and 24 cm length	2			
F.40	Lemole valve retractor	1 Set			
F.41	Heparin Cannula with leur lock ; 3mm tip 6.5 cm lenth	4			
F.42	Debakey vascular dilator	1 Set			
F.43	Wire cutter angled jaw double action ; 21.5 cm	2			
G	Operating Environment				
G.1	The system offered shall be designed to be stored and to operate normally under the conditions of the purchaser's country. The conditions include power supply, climate, temperature, humidity etc.				
H	Warranty				
H.1	Minimum 2 yr. replacement warranty				
I	Standards and Safety Requirements				
I.1	Must be CE & US FDA Certified				
J	Others				
I.1	Manufacturer Authorization Required				
I.2	All surgical instruments must be from the same manufacturer				
I.3	Must be manufactured in US or European Plant				