

Summary File ONLY

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RFT 0801830 (summary file extract only)

T500 Phacoemulsifier

T500.1 GENERAL

This part of the tender document outlines particular technical requirements for supply, installation, testing and acceptance of the Phacoemulsifier.

Specifics of the Standing Offer Agreement are detailed under Part D of the Specification. In addition, this tender also requests for submission of the offers for an Operating Lease of the offered equipment. For details refer to the Operating Lease facility in Annexure 1 Part B of this document.

The tendered equipment shall be of known and proven reliability and durability under high workload conditions experienced in major teaching hospitals. Up to 8 Suppliers can be awarded for each Phacoemulsifier Equipment Schedule.

T501 Phacoemulsifier Surgical applications

T501.1 Phacoemulsifier shall be applicable for eye surgery e.g. effective cataract removal and intraocular lens implant. The offers shall be used for eye surgery in hospital's Ophthalmology department and other eye clinics.

Basic Specification:

T501.2 Phacoemulsifier Specification

Clause No.	Specification	Parameters	Tender Response Yes/No	Comments
T501.2	Phacoemulsifier type	Fully programmable & multi-microprocessor control system		
T501.2.1	Operation mode	On-demand continuous irrigation Infusion pressure sensor		
T501.2.2	Fluidic System:			
•	• Vacuum levels	500 mmHg and above		
•	• Aspiration flow rate	Up to 60 cc/min		
•	• Pump	Peristaltic pump system		
•	• Dynamic rise	Venturi-like fluidic performance		
T501.2.3	Foot switch	Ultrasound control Aspiration flow rate control Vacuum control		
	Phaco handpieces	6 crystal type		

T501.2.4		Longitudinal ultrasound Torsional ultrasound		
T501.2.5	Ultrasound power delivery	Power & amplitude modulation		
T501.2.6	Anterior Vitrectomy	<ul style="list-style-type: none"> • Ability to drive a high performance vitrectomy guillotine cutter 		
T501.2.7	Irrigation/ Aspiration (I/A)	<ul style="list-style-type: none"> • Peristaltic pump system • Choice of bi-manual & coaxial I/A handpieces 		
T501.2.8	Bipolar Diathermy	<ul style="list-style-type: none"> • Bipolar coagulation capability • Choice of bipolar forceps & brush 		
T501.2.9	Added Features	<ul style="list-style-type: none"> • Automated IV pole height adjustment, controlled via the front panel, footswitch or remote control • Programmable, pressurized reflux via the footswitch • Flat screen, active matrix colour LCD with touch screen display • High-tech graphical user interface • Multi-channel wireless Remote Control • Platform technology for future upgrade • Ability to store and transfer surgeon and system specific surgical parameters using SD card 		
T501.2.10	Required Accessories	<ul style="list-style-type: none"> • Phaco cassette pack with tip and sleeves • Anterior Vitrectomy pack • Irrigation/ Aspiration handpiece & tip 		
T501.2.11	Standard Accessories	<ul style="list-style-type: none"> • Three torsional phaco handpieces • Remote control • Operators Manual • Dust cover • Memory card 		
T501.2.12	Options	<ul style="list-style-type: none"> • Several power and amplitude modulation options including continuous, HyperPulse, HyperBurst , threshold as well as duty cycle management • Video overlay system • Facility for Neosonix hand pieces 		
T501.2.13	Power supply	Single phase 240VAC, 10A, 50Hz (Standard power point rating)		

T501.2.14	Safety	Phacoemulsifier manufactured according to the international standards IEC 601.01 and IEC 61847		
T501.2.15	Standards	ISO9001, EN60601-1-2 and AS/NSZ 4173:2004, AS/NSZ 2211.1:2004, AS/NSZ 2397		
T501.2.16	Mandatory Registration	TGA Australia		

T502 Other Models

Other models/ type of Phacoemulsifier may be submitted by using the Table 16 of the Schedule of Prices. The technical specification details of the offered model shall be submitted with the tender including brochures.