











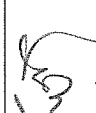
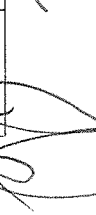


1. COMPARATIVE STATEMENT OF "SLIT LAMP WITH ACCESSORIES"

SL. NO	OLD QRS	PROPOSED	JUSTIFICATION
1.	<p>No. E-17020/ADG (Med)/DA-3/QRS/TD/2019/13 77 dated 08.07.2019</p>	<p>SPECIFICATION:-</p> <ol style="list-style-type: none"> 1. Field of View: Convergent Stereoscopic Microscope with stereovarator to have enlarged field of vision i.e stereoscopic examination of fundus where in angle of stereoscopic observation can be reduced from 13° to 4.5° for better fundus visualization with small pupil or high Myopia 2. Illumination: Should have illumination from top using LED Powered with bright illumination and good life time with at least 30000 hours working life. 3. Eye-piece 12.5x with crosshair-reticule 4. Tilt Angle 0° – 20° 5. Magnification - with standard eye pieces – 6.3X, 10X, 16X, 25X, 40X. 6. Filters - Grey, Red-free, Blue, UV & Heat absorption 7. Slit Width (continuous) – 0 – 14 mm 8. Slit Length (continuous) – 1 – 14 mm 9. Slit Test mark fixation star-10- 13° 10. Should have facility for viewing into the microscope at 15-20° to horizontal to enable the examiner to keep his head in fatigue free position 11. Chinrest Vertical movement 80 mm Fixation target Red LED or white bulb 12. Should be quoted with Original Goldmann Applanation Tonometer 13. Original Manufacturer Motorized Table to be supplied. <p>Optional Attachment for Digital imaging System</p> <ol style="list-style-type: none"> 1. Equipment should be provided release module on slit lamp base to capture images and also provision buttons to increase or decrease illumination at fingertip 	<p>Few features added to provide measurement eference during visual inspections</p>

Member-I  Member-II  Member-III  Member-IV  Member-V  Member-VI  Member-VII  Member-VIII  Member-IX  Member-X  Member-X  Member-XI  Member-XII  P.O. 

SL. NO	OLD QRS	PROPOSED	JUSTIFICATION
		<p>PROPOSED</p> <ol style="list-style-type: none"> Equipment should be provided with built in beam splitter of 70:30 with Image module Imaging module with built in camera with sensor size 1/1.2" Camera resolution: 1920X1200 or more and Pixel size 5-6 um or more Image management software with storage facility of still Images & movie recordings. Should have History Trigger Option & Freeze Technology. Should have depth of focus control. Should have an option to manually control the aperture. With facilities for the background illumination in image. <p>STANDARD, SAFETY AND TRAINING :</p> <ol style="list-style-type: none"> The equipment should be USFDA/European CE/BIS Certification Manufacturer should have IOS certification, where Indian standards are not available. Comprehensive warranty for Daily, Weekly, Monthly maintenance. Comprehensive training for technical staff and proper support services till familiarity with system. 5 years comprehensive replaceable warranty and 5 years CMC after expiry of warranty <p>DOCUMENTATION :</p> <ol style="list-style-type: none"> User/ Technical/ Maintenance manuals to be supplied in English. Log book with instructions for Daily, Weekly, Monthly maintenance. The job description of the hospital Technician, service engineer should clearly spelt out. 	

2. COMPARATIVE STATEMENT OF "REFRACTION UNIT WITH ACCESSORIES"

<p>2. No. P-24011/EC-VII/1/TD-QRS/Mod-II/2015/MHA/PROV-1 dated 20.10.2016</p>	<p>SPECIFICATION :-</p> <ul style="list-style-type: none"> Should have has upholstered top with its seat and back cushioned. The backrest of the ophthalmic chair should have full elevation system for smooth vertical patient positioning. Ophthalmic chair armrests and a footrest should move up and out of the way for patient convenience and comfort 	<p>No change</p>
---	---	------------------

Member-I	Member-II	Member-III	Member-IV	Member-V	Member-VI	Member-VII	Member-VIII	Member-IX	Member-X	Member-X	Member-XI	Member-XII	PRJ
----------	-----------	------------	-----------	----------	-----------	------------	-------------	-----------	----------	----------	-----------	------------	-----









SL. NO	OLD QRS	PROPOSED	JUSTIFICATION
		<p>PROPOSED</p> <ul style="list-style-type: none"> • Ophthalmic chair rotate 180° • The Ophthalmic chair's height is adjustable. Easy operation by foot control switch. • All adjustments of the ophthalmic chair should be motorized. • Should be proved with a LED vision drum/Chart projector with remote control. • Seat minimum height: 500 - 550 mm • Seat Maximum height: 700 - 710 mm • Up &Down stroke: 150-160 mm • Seat Rotation: 0 to 180° • Back & Forward movement: Aprox95° to 175° • Load Lifting 200 kg • Motor Available 24V DC • Stabilizer required: 1 kva min <p>The instrument should be with online UPS or CVT as per standard recommendation and with 5 year replaceable warranty and dust cover.</p> <p>Optional left side stand is should also be available if required</p> <p>Power Requirements: AC Input 230V AC 50 Hz</p> <p>Provision for attachment of Slit Lamp</p> <p>Binocular indirect ophthalmoscope</p> <p>Keratometer or auto refractometer, Indirect ophthalmoscope and streak retinoscope, Trial lens set, Sight tester (Phoropter)</p> <p>The instrument should be with DGC/CE(EUROPEAN)/USFDA/BIS/ISI/CDSCO(which so ever is applicable for Medical Devices/Equipment) or equivalent international certification or equivalent Indian standard required.</p> <p>STANDARD, SAFETY AND TRAINING :</p> <ol style="list-style-type: none"> 1. The equipment should be USFDA/European CE/BIS Certification 2. Manufacturer should have IOS certification, where Indian standards are not available. 3. Comprehensive warranty for Daily, Weekly, Monthly maintenance. 4. Comprehensive training for technical staff and proper support services till familiarity with system. 5. 5 years comprehensive replaceable warranty and 5 years CMC after expiry of warranty 	

 Member-I
 Member-II
 Member-III
 Member-IV
 Member-V
 Member-VI
 Member-VII
 Member-VIII
 Member-IX
 Member-X
 Member-X
 Member-XI
 Member-XII
 Member-XII



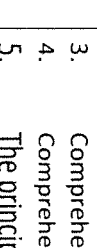
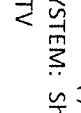
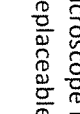
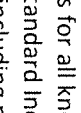
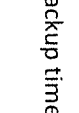


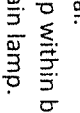
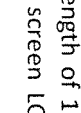

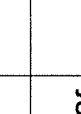
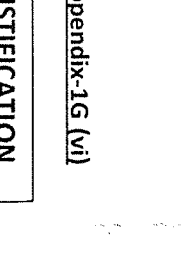
SL. NO	OLD QRS	PROPOSED	JUSTIFICATION
		<p>DOCUMENTATION :</p> <ol style="list-style-type: none"> User/ Technical/ Maintenance manuals to be supplied in English. Log book with instructions for Daily, Weekly, Monthly maintenance. The job description of the hospital Technician, service engineer should clearly spell out. 	

3. COMPARATIVE STATEMENT OF "EYE OPERATING MICROSCOPE WITH SIDE TUBE WITH LCD MONITOR WITH CAMERA WITH COAXIAL ILLUMINATION (OPHTHALMIC SURGICAL MICROSCOPE)"

3	<p>No. P- 24011/EC-VIII/1/TD-QRS/Mod-II/2015/MHA/P ROV-1 dated 20.10.2016</p>	<p>SPECIFICATION</p> <ol style="list-style-type: none"> MICROSCOPE: <ul style="list-style-type: none"> Compact microscope body with high quality & complete apochromatic Optics with 1:6 zoom ratio. Magnification should be motorized continuous factor 0.4X to 2.4X. Focusing range 50mm, Objective lens f= 200mm, 65mm diameter. Binocular tube: 0-180 Deg. tiltable tube. Eye Pieces: 10X / 12.5X or more with +8D to -5 D compensator. Deep View: Depth of field management system for optimal depth perception & maximum light transmission Should have a assistant microscope with stereo co-axial co-observation tube with attachment with 360o rotation 2 joints beam splitter (80: 20) in the microscope body for additional co-stereo co- observation attachment/ documentation to be supplied. Assistant microscope should have independent 3 steps or higher magnification changer and independent fine focusing system ILLUMINATION : <ul style="list-style-type: none"> Stereo Coaxial Illumination system for unique detail recognition, high contrast & stability of red reflex even with strongly pigmented de-centered and ametropic eye. Retina Protection Device and contrast enhancement aperture. Integrated 408 mm UV barrier filter & Blue blocking filter. X.Y. COUPLING: <ul style="list-style-type: none"> X Y Coupling with 60mm x 60mm adjustable range. Motorized foot-controlled X-Y coupling with automatic re-centering and X-Y inversion facility. 	<p>Few features are made optional which may be made mandatory depending on hospital requirement.</p>
---	---	---	--

 Member-I
 Member-II
 Member-III
 Member-IV
 Member-V
 Member-VI
 Member-VII
 Member-VIII
 Member-IX
 Member-X
 Member-X
 Member-XI
 Member-XII
 Member-XIII
 Member-XIII
 Member-XIII
 Member-XIII










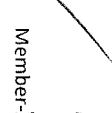


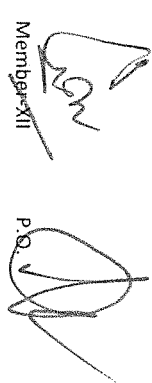
SL. NO	OLD QRS	PROPOSED	JUSTIFICATION
		<p>4. <u>SUSPENSION SYSTEM:</u></p> <ul style="list-style-type: none"> • 14 function wireless foot control, Motorized foot-controlled Zoom and focus with re-centering of focusing position through foot control. Image inversion facility on foot control. • High quality floor stands with long spring balance suspension arm with effective length of 1Metre or more having load bearing capacity of at least 14kg or more. Stand should have touch screen LCD display with programming facility for setting the speed of XY, Zoom and focus, Foot Pedal. • Stand should have cold light fiber Optic illumination 12v 100w Halogen lamp within built lamp housing with two lamps, automatic Lamp changeover facility in case of failure of main lamp. • Maximum arm extension more than 1200 mm. <p>5. <u>CCTV ATTACHMENT:</u></p> <ul style="list-style-type: none"> • 3CCD/3CMOS FULL HD 1080P HD Camera preferred from OEM. • HD Recorder with USB port, 1 TB HDD, HD LED TV 32". • Beam Splitter 20. • Online UPS 3 KVA should be provided with backup time not less than 30 min. <p>7. <u>Accessories parameter :</u></p> <ul style="list-style-type: none"> i) Two sets of Sterilizable rubber caps for all knobs and dust cover to be supplied. ii) Main cable with power socket of standard Indian make to be provided. iii) Ethernet interface for microscope including minimum 10 mtr cable. 8. 5 years comprehensive replaceable warranty and 5 years CMC after expiry of warranty. <p>OPTIONAL</p> <ol style="list-style-type: none"> 1. ASSISTANT SCOPE:- (i) Should have image inverter tube (ii) Independent 3 tep or higher magnification 2. IMAGING SYSTEM: Should have minimum 36 inch display unit with full HD grade monitor and not a commercial TV <p>STANDARD, SAFETY AND TRAINING :</p> <ol style="list-style-type: none"> 1. The equipment should be USFDA/European CE/BIS Certification. 2. Manufacturer should have IOS certification, where Indian standards are not available. 3. Comprehensive warranty for Daily, Weekly, Monthly maintenance. 4. Comprehensive training for technical staff and proper support services till familiarity with system. 5. The principal Manufacturer must have direct presence/ approved service centre in India. 	

Member-I  Member-II  Member-III  Member-IV  Member-V  Member-VI  Member-VII  Member-VIII  Member-IX  Member-X  Member-X  Member-XI  Member-XII  R.O. 

SL. NO	OLD QRS	PROPOSED	JUSTIFICATION
		<p>DOCUMENTATION :</p> <ol style="list-style-type: none"> User/ Technical/ Maintenance manuals to be supplied in English. Log book with instructions for Daily, Weekly, Monthly maintenance. The job description of the hospital Technician, service engineer should clearly spelt out. 	

4. COMPARATIVE STATEMENT OF "PHACOEMULSIFICATION SYSTEM"


4	No. P- 24011/EC-VII/1/TD-QRS/Mod-II/2015/MHA/PROV-1 dated 20.10.2016	PHACOEMULSIFICATION SYSTEM :	1. More features for delivery of ultrasonic energy added for better patient visual outcome post surgery.
		<ol style="list-style-type: none"> Fully programmable, multi processor control system Flat screen, colored display with touch screen and rotatable Voice feedback for function selection Should have the ability to control via footswitch and front panel Should have mapable and programmable footswitch, preferably wireless Memory of 10 users' settings <p>Ultrasound :</p> <ol style="list-style-type: none"> Should have the ability to drive high performance four to six crystal handpiece: 25- 40 KHz, piezoelectric, slim and lightweight and autoclavable Should have additional feature of delivery of ultrasonic energy like torsional/transversal/ellipsoidal etc. in addition to linear Equipped with option of 1.8 mm, 2.2 mm, 2.8 mm size of phaco tip The ultrasound and handpiece should be compatible with tips like standard 30 degrees and 45 degrees, microtip and flared aspiration bypass tips Facility of ultrasound power control in various sub modes like continuous, pulsed, burst and bi- modal application Should have preferably peristaltic system/ venturi or both and the facility to use vacuum level upto 700 mm-Hg Should have ability to regulate irrigating pressure by height of I/V pole preferably motorized/manual and continuous irrigation controlled by footpedal and on touch panel Aspiration hand piece should have both co-axial and bimannual attachments Phaco tips should be 30 degrees, 45 degrees and angle tip Should have the ability to control via footswitch, remote control and front panel Should have cassette/ tube system 	<ol style="list-style-type: none"> Few points changed so that more number of manufactures can take part in bid.


 Member-I
 Member-II
 Member-III
 Member-IV
 Member-V
 Member-VI
 Member-VII
 Member-VIII
 Member-IX
 Member-X
 Member-XI
 Member-XII
 P.O.


SL. NO	OLD QRS	PROPOSED	JUSTIFICATION
	<p>Vitrectomy :</p> <ol style="list-style-type: none"> Should have an ability to drive electric cutter/pneumatic cutter for anterior vitrectomy with cut rates of minimum 2500 cuts per minutes with submodes cut I/A, I/A cut with panel or linear cut control by foot pedal Vitrectomy cutter size 23 ga and 25 <p>Diathermy :</p> <ol style="list-style-type: none"> Bipolar coagulation capability, panel or linear power control by foot pedal and panel Reusable diathermy forceps/autoclavable bipolar cable Data storage and transfer <p>Storage capabilities via USB for DATA transfer or DATA portability</p> <p>Accessories required</p> <ol style="list-style-type: none"> Phaco hand pieces-2 Phaco tips – 20 Phaco sleeve-100 Handpiece test chamber – 05 Phaco cassettes/ Tubing sets -200 I/A Handpiece – 4 (Biomannual-2, Coaxial-2) Vitrectomy cutter (23 ga – 15 in quantity, 25 ga- 5 in quantity) Diathermy forcep and cable – 2 each <ul style="list-style-type: none"> Online UPS 5 KVA should be provided with backup time not less than 30 min <p>STANDARD, SAFETY AND TRAINING :</p> <ol style="list-style-type: none"> The equipment should be USFDA/European CE/BIS Certification Manufacturer should have IOS certification, where Indian standards are not available. Comprehensive warranty for Daily, Weekly, Monthly maintenance. Comprehensive training for technical staff and proper support services till familiarity with system. 5 years comprehensive replaceable warranty and 5 years CMC after expiry of warranty 	<p>✓</p>	


Member-I  Member-II  Member-III  Member-IV  Member-V  Member-VI  Member-VII  Member-VIII  Member-IX  Member-X  Member-X  Member-XI  Member-XII 


SL. NO	OLD QRS	PROPOSED	JUSTIFICATION
		<p>DOCUMENTATION :</p> <ol style="list-style-type: none"> User/ Technical/ Maintenance manuals to be supplied in English. Log book with instructions for Daily, Weekly, Monthly maintenance. The job description of the hospital Technician, service engineer should clearly spelt out. 	



(Dr. J Chhatopadhyay)
BSF
Member-I



(Dr. Rohit Shyam Bobil)
CMO(SG) (ENT)
RH, ITBP, Gr. Noida
Member-II



(Dr. Saquib Khan) CMO
(OG)
(Radiology) CRPF,
Member-III



(Dr. R Kuppum Samy)
CMO(SG)
(Paediatrics) CRPF
Member-IV



(Dr. Chandrima Kar)
Comdt./Spl. Gr.I &
(Obs Gyn), CRPF
Member-V



(Dr. Anurag Jain)
Contractual, Spl
(Orthopaedics),
CRPF Member-VI



(Dr. Rakesh Tiwari)
CMO (SG)
(Anaesthesia),
ITBP Member-VII



(Dr. Shaifali Gupta)
Comdt./Spl. Gr.I
(Ophthalmology), ITBP,
Member-VIII


(Dr. Rajkarnal Nimesh)
Comdt./Spl. Gr-I
(Surgery), ITBP,
Member-IX


(Dr. Gairi Devi)
CDS (SG), (Dental),
SSB
Member-X


(Dr. Neeraj Kumar)
CMO, (Medicine),
ITBP
Member-XI




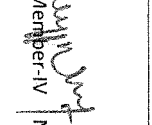
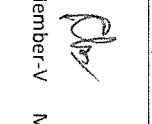




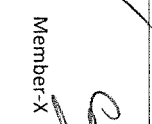




(Dr. Soumyesh Ghosh)
Comdt./Spl. Gr.I
(Pathology), ITBP
Member-XII

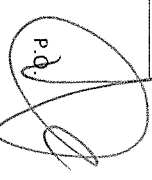

(Dr. A C Bhardwajan)
IG (Med.), RH, ITBP, Gr. Noida
Presiding Officer

1. QRS/SPECIFICATIONS & TRIAL DIRECTIVES OF "OPHTHALMIC SURGICAL MICROSCOPE"















Appendix-1G (x)

S. No. SPECIFICATION	Procedure suggested for trial by board of officers	Results expected/ desired
<p>1. MICROSCOPE:</p> <ul style="list-style-type: none"> • Compact microscope body with high quality & complete apochromatic Optics with 1:6 zoom ratio. Magnification should be motorized continuous factor 0.4X to 2.4X. • Focusing range 50mm, Objective lens f= 200mm, 65mm diameter. • Binocular tube: 0-180 Deg. tiltable tube. • Eye Pieces: 10X / 12.5X or more with +8D to-5 D compensator. • Deep View: Depth of field management system for optimal depth perception & maximum light transmission • Should have a assistant microscope with stereo co-axial co-observation tube with attachment with 360° rotation 2 jointsbeam splitter (80: 20) in the microscope body for additional co-stereo co-observation attachment/ documentation to be supplied. • Assistant microscope should have independent 3 steps or higher magnification changer and independent fine focusing system 	<p>Board should check physically during Demonstration</p> <p>OEM should submit an undertaking and document in this regard</p>	<p>As per specification</p>
<p>2. ILLUMINATION :</p> <ul style="list-style-type: none"> • Stereo Coaxial Illumination system for unique detail recognition, high contrast & stability of red reflex even with strongly pigmented de-centered and ametropic eye. • Retina Protection Device and contrast enhancement aperture. • Integrated 408 nm UV barrier filter & Blue blocking filter. 		
<p>3. X.Y. COUPLING:</p> <ul style="list-style-type: none"> • X Y Coupling with 60mm x 60mm adjustable range. • Motorized foot-controlled X-Y coupling with automatic re-centering and X-Y inversion facility. 		
<p>4. SUSPENSION SYSTEM:</p> <ul style="list-style-type: none"> • 14 function wireless foot control, Motorized foot-controlled Zoom and focus with re-centering of focusing position through foot control. Image inversion facility on foot control. • High quality floor stands with long spring balance suspension arm with effective length of 1Metre or more having load bearing capacity of at least 14kg or more. • Stand should have touch screen LCD display with programming facility for setting the speed of XY, Zoom and focus, Foot Pedal. 		

Member-I  Member-II  Member-III  Member-IV  Member-V  Member-VI  Member-VII  Member-VIII  Member-IX  Member-X  Member-X  Member-XI  Member-XII 

P.D. 






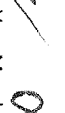
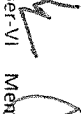
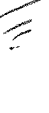




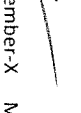

S. No.	SPECIFICATION	Procedure suggested for trial by board of officers	Results expected/ desired
	<ul style="list-style-type: none"> Stand should have cold light fiber Optic illumination 12v 100w Halogen lamp within built lamp housing with two lamps, automatic Lamp changeover facility in case of failure of main lamp. Maximum arm extension more than 1200 mm. 		
5.	CCTV ATTACHMENT: <ul style="list-style-type: none"> 3CCD/3CMOS FULL HD 1080P HD Camera preferred from OEM. HD Recorder with USB port, 1 TB HDD, HD LED TV 32". Beam Splitter 20. 		
6.	Online UPS 3 KVA should be provided with backup time not less than 30 min.		
7.	Accessories parameter : <ol style="list-style-type: none"> Two sets of Sterilizable rubber caps for all knobs and dust cover to be supplied. Main cable with power socket of standard Indian make to be provided. Ethernet interface for microscope including minimum 10 mtr cable. 		
8.	5 years comprehensive replaceable warranty and 5 years CMC after expiry of warranty.		
STANDARD, SAFETY AND TRAINING :			
1.	The equipment should be USFDA/European CE/BIS Certification.	OEM should submit an undertaking and documents in this regard.	As per specification.
2.	Manufacturer should have IOS certification, where Indian standards are not available.		
3.	Comprehensive warranty for Daily, Weekly, Monthly maintenance.		
4.	Comprehensive training for technical staff and proper support services till familiarity with system.		
5.	The principal Manufacturer must have direct presence/ approved service centre in India.		
DOCUMENTATION :			
	User/ Technical/ Maintenance manuals to be supplied in English.	OEM should submit an undertaking and documents in this regard.	As per specification.
	Log book with instructions for Daily, Weekly, Monthly maintenance.		
	The job description of the hospital Technician, service engineer should clearly spelt out.		

Member-I  Member-II  Member-III  Member-IV  Member-V  Member-VI  Member-VII  Member-VIII  Member-IX  Member-X  Member-X  Member-XI  Member-XII  P.O. 

2. QRS/SPECIFICATIONS & TRIAL DIRECTIVES OF "SLIT LAMP"

Appendix-1G (xi)













Sl. No.	Specifications	Procedure suggested for trial by board of officers	Results expected/Desired
1.	Field of View: Convergent Stereoscopic Microscope with stereovarator to have enlarged field of vision. I. stereoscopic examination of fundus where in angle of stereoscopic observation can be reduced from 13° to 4.5° for better fundus visualization with small pupil or high Myopia	Board should check physically during Demonstration	As per specification
2.	Illumination: Should have illumination from top using LED Powered with bright illumination and good life time with at least 30000 hours working life.	OEM should submit an undertaking and document in this regard	
3.	Eye-piece 12.5x with crosshair-reticule		
4.	Tilt Angle 0° – 20		
5.	Magnification - with standard eye pieces – 6.3X, 10X, 16X, 25X, 40X.		
6.	Filters - Grey, Red-free, Blue, UV & Heat absorption		
7.	Slit Width (continuous) – 0 – 14 mm		
8.	Slit Length (continuous) – 1 – 14 mm		
9.	Slit Test mark fixation star-10- 13°		
10.	Should have facility for viewing into the microscope at 15-20° to horizontal to enable the examiner to keep his head in fatigue free position		
11.	Should be quoted with Original Goldmann Applanation Tonometer		
12.	Original Manufacturer Motorized Table to be supplied.		
13.	The equipment should be USFDA/European CE/BIS Certification		
14.	5 years comprehensive replaceable warranty and 5 years CMC after expiry of warranty		
15.	Online UPS 2 KVA should be provided with backup time not less than 30 min		
Optional Attachment for Digital imaging System			
<ol style="list-style-type: none"> Equipment should be provided release module on slit lamp base to capture images and also provision buttons to increase or decrease illumination at fingertip. Equipment should be provided with built in beam splitter of 70:30 with Image module Imaging module with built in camera with sensor size 1/1.2" Camera resolution: 1920x1200 or more and Pixel size 5-6 um or more Image management software with storage facility of still images & movie recordings. 			

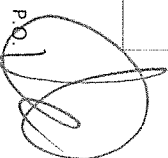
Member-I  Member-II  Member-III  Member-IV  Member-V  Member-VI  Member-VII  Member-VIII  Member-IX  Member-X  Member-X  Member-XI  Member-XII  P.O. 

Sl. No.	Specifications	Procedure suggested for trial by board of officers	Results expected/Desired
	6. Should have History Trigger Option & Freeze Technology. 7. Should have depth of focus control. 8. Should have an option to manually control the aperture. 9. With facilities for the background illumination in image.		
STANDARD, SAFETY AND TRAINING :			
1	The equipment should be USFDA/European CE/BIS Certification	OEM should submit an undertaking and documents in this regard.	As per specification.
2	Manufacturer should have IOS certification, where Indian standards are not available.		
3	Comprehensive warranty for Daily, Weekly, Monthly maintenance.		
4	Comprehensive training for technical staff and proper support services till familiarity with system.		
DOCUMENTATION :			
1.	User/ Technical/ Maintenance manuals to be supplied in English.	OEM should submit an undertaking and documents in this regard.	As per specification.
2.	Log book with instructions for Daily, Weekly, Monthly maintenance.		
3.	The job description of the hospital Technician, service engineer should clearly spelt out.		

3. QRS AND TDS OF OPHTHALMIC REFRACTION UNIT

Sl. No.	Specifications	Procedure suggested for trial by board of officers	Results expected/Desired
1	One fully upholstered comfortable ophthalmic chair with facility of full motorized recline and up & down movements for 300 mm ± 15 mm	Board should check physically during Demonstration	As per specification
2	One stand and console with illuminating light for examination.	OEM should submit an undertaking and document in this regard	
3	The strand should have adequate space for placing Keratometer or autorefractometer, NCT, Lensometer, Direct Ophthalmoscope and streak retinoscope, Chart projector & Trial lens set.		
4	Comprehensive Guarantee/Warranty for 5 years and there after comprehensive CMC (including all spares and labour) for 5 years		











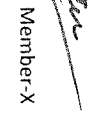



Member-I  Member-II  Member-III  Member-IV  Member-V  Member-VI  Member-VII  Member-VIII  Member-IX  Member-X  Member-XI  Member-XII 

P.O. 

4. QRS/SPECIFICATIONS & TRIAL DIRECTIVES OF "OPHTHALMIC SURGICAL MICROSCOPE"

Appendix-1G (xiii)

Sl. No.	SPECIFICATION	Procedure suggested for trial by board of officers	Results expected/ desired
1.	<p>MICROSCOPE:</p> <ul style="list-style-type: none"> • Compact microscope body with high quality & complete apochromatic Optics with 1:6 zoom ratio. Magnification should be motorized continuous factor 0.4X to 2.4X. • Focusing range 50mm, Objective lens f= 200mm, 65mm diameter. • Binocular tube: 0-180 Deg. tiltable tube. • Eye Pieces: 10X / 12.5X or more with +8D to -5 D compensator. • Deep View: Depth of field management system for optimal depth perception & maximum light transmission • Should have a assistant microscope with stereo co-axial co-observation tube with attachment with 360° rotation 2 jointsbeam splitter (80: 20) in the microscope body for additional co-stereo co-observation attachment/ documentation to be supplied. • Assistant microscope should have independent 3 steps or higher magnification changer and independent fine focusing system 	<p>Board should check physically during Demonstration</p> <p>OEM should submit an undertaking and document in this regard</p>	
2.	<p>ILLUMINATION :</p> <ul style="list-style-type: none"> • Stereo Coaxial Illumination system for unique detail recognition, high contrast & stability of red reflex even with strongly pigmented de-centered and ametropic eye. • Retina Protection Device and contrast enhancement aperture. • Integrated 408 mm UV barrier filter & Blue blocking filter. 		
3.	<p>X.Y. COUPLING:</p> <ul style="list-style-type: none"> • X Y Coupling with 60mm x 60mm adjustable range. • Motorized foot-controlled X-Y coupling with automatic re-centering and X-Y inversion facility. 		
4.	<p>SUSPENSION SYSTEM:</p> <ul style="list-style-type: none"> • 14 function wireless foot control, Motorized foot-controlled Zoom and focus with re-centering of focusing position through foot control. Image inversion facility on foot control. 		

Member-I  Member-II  Member-III  Member-IV  Member-V  Member-VI  Member-VII  Member-VIII  Member-IX  Member-X  Member-X  Member-XI  Member-XII  P.O. 

Sl. No.	SPECIFICATION	Procedure suggested for trial by board of officers	Results expected/ desired
5.	<p>CCTV ATTACHMENT:</p> <ul style="list-style-type: none"> • High quality floor stanos with long spring balance suspension arm with effective length of 1Metre or more having load bearing capacity of at least 14Kg or more. • Stand should have touch screen LCD display with programming facility for setting the speed of XY, Zoom and focus, Foot Pedal. • Stand should have cold light fiber optic illumination 12v 100w Halogen lamp within built lamp housing with two lamps, automatic Lamp changeover facility in case of failure of main lamp. • Maximum arm extension more than 1200 mm. 		
6.	<p>Online UPS 3 KVA should be provided with backup time not less than 30 min.</p>		
7.	<p>Accessories parameter :</p> <ul style="list-style-type: none"> iv) Two sets of Sterilizable rubber caps for all knobs and dust cover to be supplied. v) Main cable with power socket of standard Indian make to be provided. vi) Ethernet interface for microscope including minimum 10 mtr cable. 		
8.	<p>5 years comprehensive replaceable warranty and 5 years CMC after expiry of warranty.</p>		
STANDARD, SAFETY AND TRAINING :			
The equipment should be USFDA/European CE/BIS Certification.		OEM should submit an As per specification.	
2. Manufacturer should have IOS certification, where Indian standards are not available.		undertaking and documents in this regard.	
3. Comprehensive warranty for Daily, Weekly, Monthly maintenance.			
4. Comprehensive training for technical staff and proper support services till familiarity with system.			
5. The principal Manufacturer must have direct presence/ approved service centre in India.			
DOCUMENTATION :			
1. User/ Technical/ Maintenance manuals to be supplied in English.		OEM should submit an As per specification.	
2. Log book with instructions for Daily, Weekly, Monthly maintenance.		undertaking and documents in this regard.	
3. The job description of the hospital Technician, service engineer should clearly spell out.			

Member-I

Member-II

Member-III

Member-IV

Member-V

Member-VI

Member-VII

Member-VIII

Member-IX

Member-X

Member-X

Member-XI

Member-XII

Member-XII

P.O.

5. QRs AND TDs OF PHACO EMULSIFICATION MACHINE

Appendix-1G (xiv)

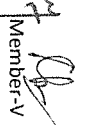
Sl. No.	Specifications	Procedure suggested for trial by board of officers	Results expected/ Desired
1	<p>PHACOEMULSIFICATION SYSTEM :</p> <ol style="list-style-type: none"> 1 Fully programmable, multi processor control system 2 Flat screen, colored display with touch screen and rotatable 3 Voice feedback for function selection 4 Should have the ability to control via footswitch and front panel 5 Should have mapable and programmable footswitch, preferably wireless 6 Memory of 10 users' settings 		
2	<p>Ultrasound :</p> <ol style="list-style-type: none"> 1. Should have the ability to drive high performance four to six crystal handpiece : 25-40 KHz, piezoelectric, slim and lightweight and autoclavable 2. Should have additional feature of delivery of ultrasonic energy like torsional/transversal/ellipsoidal etc. in addition to linear 3. Equipped with option of 1.8 mm, 2.2 mm, 2.8 mm size of phaco tip 4. The ultrasound and handpiece should be compatible with tips like standard 30 degrees and 45 degrees, microtip and flared aspiration bypass tips 5. Facility of ultrasound power control in various sub modes like continuous, pulsed, burst and bi-modal application 6. Should have preferably peristaltic system/ venturi or both and the facility to use vacuum level upto 700mm-Hg 7. Should have ability to regulate irrigating pressure by height of IV pole preferably motorized/manual and continuous irrigation controlled by foot pedal and on touch panel 8. Aspiration handpiece should have both co-axial and bimanual attachments 9. Phaco tips should be 30 degrees, 45 degrees and angle tip 10. Should have the ability to control via footswitch, remote control and front panel 11. Should have cassette/ tube system 		

Member-I 

Member-II 

Member-III 

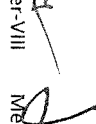
Member-IV 

Member-V 

Member-VI 

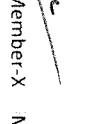
Member-VII 

Member-VIII 

Member-IX 

Member-X 















Member-XI 

Member-XII 

P.O. 


Appendix-1G (xiv)

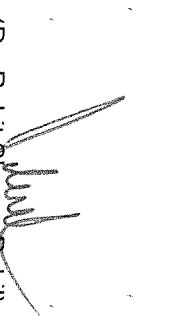
Sl. No.	Specifications	Procedure suggested for trial by board of officers	Results expected/ Desired
3	<p>Vitrectomy :</p> <ol style="list-style-type: none"> Should have an ability to drive electric cutter/pneumatic cutter for anterior vitrectomy with cut rates of minimum 2500 cuts per minutes with submodes cut I/A, I/A cut with panel or linear cut control by foot pedal Vitrectomy cutter size 23 ga and 25 		
4	<p>Diathermy :</p> <ol style="list-style-type: none"> Bipolar coagulation capability, panel or linear power control by foot pedal and panel Reusable diathermy forceps/autoclavable bipolar cable 		
5	<p>Data storage and transfer</p> <p>Storage capabilities via USB for DATA transfer or DATA portability</p>		
6	<p>Accessories required</p> <ol style="list-style-type: none"> Phaco hand pieces-2 Phaco tips – 20 Phaco sleeve-100 Handpiece test chamber – 05 Phaco cassettes/ Tubing sets -200 I/A Handpiece – 4 (Biomannual-2, Coaxial-2) Vitrectomy cutter (23 ga – 15 in quantity, 25 ga- 5 in quantity) Diathermy forcep and cable – 2 each 		

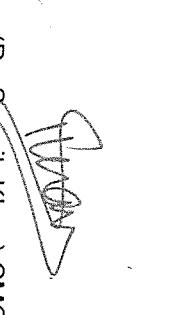
Member-I  Member-II  Member-III  Member-IV  Member-V  Member-VI  Member-VII  Member-VIII  Member-IX  Member-X  Member-X  Member-XI  Member-XII  P.O. 

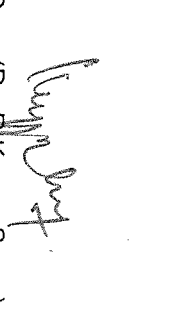
Appendix-1G (kv)

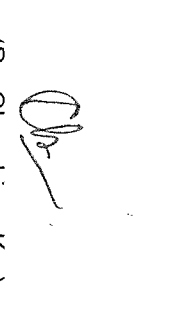
Sl. No.	Specifications	Procedure suggested for trial by board of officers	Results expected/ Desired
7	<ul style="list-style-type: none"> • FDA/European CE /Indian standard approved • Comprehensive Guarantee/ Warranty for 05 years and there after CMC (Including all spares and labour) for 5 years • Online UPS 3 KVA should be provided with backup time not less than 30 min 		

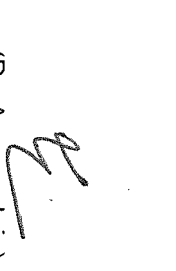

 (Dr. J. Chatopadhyay) Member-1
 BSF

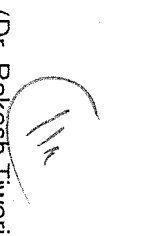

 (Dr. Rohit Shyam Bobli) Member-1
 CMO(SG) (ENT)
 RH, ITBP, Gr. Noida

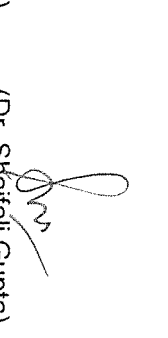

 (Dr. Saquib Khan) Member-III
 CMO (OG)
 (Radiology) CRPF,



 (Dr. R. Kuppum Samy) Member-IV
 CMO(SG)
 (Paediatrics) CRPF

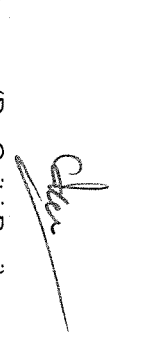

 (Dr. Chandrima Kar) Member-V
 Comdt /Spl. Gr. I &
 (Obs Gyn), CRPF



 (Dr. Anurag Jain) Member-VI
 Contractual, Spl
 (Orthopaedics),
 CRPF Member-VI



 (Dr. Rakesh Tiwari) Member-VII
 CMO (SG),
 (Anaesthesia),
 ITBP

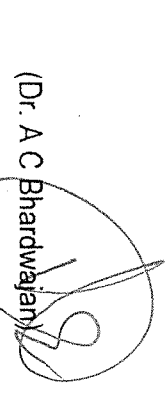

 (Dr. Shafiqi Gupta) Member-VIII
 Comdt /Spl. Gr. I
 (Ophthalmology), ITBP,


 (Dr. Rajkamal Nimesh) Member-IX
 Comdt /Spl. Gr. I
 (Surgery), ITBP,


 (Dr. Gaitri Devi) Member-X
 CDS (SG), (Dental),
 SSB













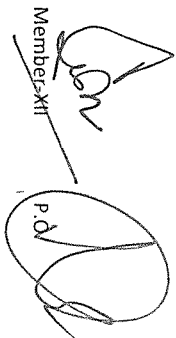

 (Dr. Neeraj Kumar) Member-XI
 CMO, (Medicine),
 ITBP


 (Dr. Soumyesh Ghosh) Member-XII
 Comdt./Spl. Gr. I
 (Pathology), ITBP


 (Dr. A C Bhardwajan)
 IG (Med.), RH, ITBP, Gr. Noida
 Presiding Officer

Appendix-2G (I)

Sl. No.	Name of the equipment	Is it available in PET (as per 100 Bedded). If yes then mentioned Sl. No. of PET)	QRs available or not
1	Auto Refractor Meter	Yes at Sl. No. 210	NO
2	Auto Lensometer	Yes at Sl. No. 202	NO
3	Cataract Surgery Set titanium for ECCE with IOL implantation	Yes at Sl. No. 189	NO
4	EYE operating table motorized	Yes at Sl. No. 196	NO
5	A-Scan machine	Yes at Sl. No. 204	NO

Member-I  Member-II  Member-III  Member-IV  Member-V  Member-VI  Member-VII 
 Member-VIII  Member-IX  Member-X  Member-XI  Member-XII 
 P.D. 

1. QRS/Specification and TDs OF "AUTOREFRACTOMETER"

Sl. No	Specifications	Procedure suggested for trial by board of officers	Results expected/Desired
	The measurement range of Auto Refractometer should preferably be sphere-30.00 D to +25.00 D (UD=12mm) in 0.01/0.12/0.25 Deg increments.	<p>Board should check physically during Demonstration</p> <p>OEM should submit an undertaking and document in this regard</p>	<p>As per specification</p>
	Cylinder -10D to +10D +/- 5 (0.01/0.12/0.25 D Increments)		
	Axis 0Deg to 180 Deg(1Deg/5 Deg Increments)		
	The measurement range of Auto refractometer should preferably be Radius of curvature 5.00 to 13.00 mm (0.01 mm increment)		
	Refractive Power 25.96 to 67.50 Deg, n = 1.3375 (0.01/0.12/0.25 Deg Increment).		
	Minimum measurable pupil diameter should be 2mm		
	Pupil Distance (PD) measurable range should be 10-85mm(1mm increment)		
	Central Diameter should be 2.0-12.0mm		
	Pupil size Range should be 1 to 10mm(0.1mm increment)		
	The feature of Auto tracking and auto shooting should be available		
	The feature of corrected vision with spherical lens should be available		
	A Scenery chart and minimum 14.5 cms LCD color display		
	A motorized table with a thermal printer should be provided with cut off facility monitor.		
	The instrument should operate with 100-240 Volt power supply		
	Upgradable with latest and newer facilities preferable		
	5 years comprehensive replaceable warranty		
	Demonstration in front of technical committee of equipment along with accessories and attachment before finalization of order		
	All the accessories and attachments should be original configuration and not compatible assembly.		
	Dust cover "		
	IOL measuring mode		
	Output RS 232C or video NTSC or latest changes equivalent to these		
	Storage memory-10 measurement for each eye.		
	Online UPS 2 KVA should be provided with backup time not less than 30 min		

Member-I

Member-II

Member-III

Member-IV

Member-V

Member-VI

Member-VII

Member-VIII

Member-IX

Member-X

Member-X

Member-XI

Member-XII

P.O.

Sl. No	Specifications	Procedure suggested for trial by board of officers	Results expected/ Desired
STANDARD, SAFETY AND TRAINING :			
1	DGCI/CE/USFDA/BIS/SI/CDSCO or equivalent certification-should be provided.	OEM should submit an undertaking and documents in this regard.	As per specification.
2	Manufacturer should have IOS certification, where Indian standards are not available.		
3	Comprehensive warranty for Daily, Weekly, Monthly maintenance.		
4	Comprehensive training for technical staff and proper support services till familiarity with system.		
DOCUMENTATION :			
1	User/ Technical/ Maintenance manuals to be supplied in English.	OEM should submit an undertaking and documents in this regard.	As per specification.
2	Log book with instructions for Daily, Weekly, Monthly maintenance.		
3	The job description of the hospital Technician, service engineer should clearly spelt out.		

2. QRS AND TDS OF AUTO LENSOMETER

Sl. No	Specifications	Procedure suggested for trial by board of officers	Results expected/ Desired
1.	Should have Ergonomic Design with Colour LCD.	Board should check physically during Demonstration	As per specification
2.	Easy measurement of progressive lens.	OEM should submit an undertaking and document in this regard	
3.	Should have facility of Automatic recognition of progressive lens.		
4.	Attached Printer should be there		
5.	Lens Plate with Selection of Abbe Number	Board should check physically during Demonstration	As per specification
Measurement Range:			
	Sphere (S)	25~+25D (0.01/0.12/0.25D step)	
	Cylinder (C)	0~±10D (0.01/0.12/0.25D step)	
	Axis (A)	1~180°(1° step)	
	Addition	0~+10D (0.01/0.12/0.25D step)	OEM should submit an undertaking and document in this regard
	Prism	0~10 (0.01/0.12/0.25D step)	
	Wave length	525 nm (Green)	
	Lens	Glasses lens, hard/soft contact lens	
	Lens size	Max Ø 100mm	
	Monitor	Not less than 5.7 inch LCD monitor (color)	
	Printer	High quality	

Member-I

Member-II

Member-III

Member-IV

Member-V

Member-VI

Member-VII

Member-VIII

Member-IX

Member-X

Member-X

Member-XI





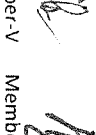


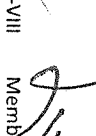
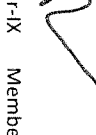




Member-XII

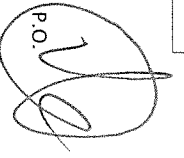
P.O.

Sl. No	Specifications	Procedure suggested for trial by board of officers	Results expected/ Desired
1.	The instrument should be with online UPS or CVT as per standard recommendation and with 5 year replaceable warranty and dust cover.	Board should check physically during Demonstration	As per specification
2.	The instrument should be Upgradable with latest and newer facilities preferable US FDA / CE or equivalent certification	OEM should submit an undertaking and document in this regard	
3.	Demonstration in front of technical committee of equipment along with accessories and attachment before finalization of order		
4.	Should work on standard Indian electrical voltage parameters.		
5.	Dust cover		
6.	5 years and CMC 5 years after expiry of warranty		
7.	"DGCI/CE/USFDA/BIS/SI/CDSCO or equivalent certification-should be present."		

3. QRS AND TDS OF CATARACT SURGERY SET TITANIUM FOR ECCE WITH IOL IMPLANTATION

Sl. No	Specifications	Procedure suggested for trial by board of officers	Results expected/ Desired
I)	CATARACT SURGERY SET	Board should check physically during Demonstration	As per specification
1.	Barraguer Wire Speculum (Titanium) -adult -child -infant- 2 each	OEM should submit an undertaking and document in this regard	
2.	Caliper Graduated (Steel) -02Nos		
3.	B P Handle no -3 (steel)		
4.	Hartman Mosquito Forceps (straight) (steel)		
5.	Hartman Mosquito Forceps (curved) (steel)		
6.	Superior Rector Forceps (steel)		
7.	Ball Heat Cantery (steel)		
8.	Blade Breaker and Holder (titanium)		
9.	Wire Vector/Loop (steel)		

Member-I  Member-II  Member-III  Member-IV  Member-V  Member-VI  Member-VII  Member-VIII  Member-IX  Member-X  Member-X  Member-XI  Member-XII 

P.O. 

Appendix-26 (v)

Sl. No	Specifications	Procedure suggested for trial by board of officers	Results expected/ Desired
<ol style="list-style-type: none"> 10. Iris Wire Retractor (steel) 11. Iris Repositor Double Ended (steel) 12. Lens Spatula Double Ended (steel) 13. Cyclodialysis Spatula Double Ended (steel) 14. Smith Lens Expressor Vectis (double ended) (titanium) 15. Baby Jones Towel Clip Cross Action (steel)-04 Nos 16. Serrafine Bull Dog Clamp (2 nos) (steel) 17. Corneal Tooks Knife (steel) 18. Barraquer Cataract Knife Sliding (steel) 19. Conjunctival Forceps (Wills hospital utility forceps) (titanium) 20. Fixation Forceps (titanium) 21. Suture Tying Forceps (Jaffe) Straight (titanium) 22. Suture Tying Forceps (curved)-(titanium) 23. Piørse Hoskins corneal forceps (titanium) 24. Calibri forceps (titanium) 25. Lims Toothed forceps (extra fine) (titanium) 26. Kelman Macpherson IOL forceps (titanium) 27. Macpherson corneal forceps (straight) (titanium) 28. Arruga Capsule forceps (steel) 29. Barraquer micro needle holder (titanium) 30. Castraviejo needle holder (titanium) 31. Air Injection Cannula 23 gauge (steel) 04 Nos 32. Simcoe I/A cannula (reverse) 02 Nos 33. Pearce Hydrodissection cannula 02 Nos 34. Gauge (steel) 35. Kellianhydrodissection cannula (angled) (curved bevel) 25 gauge (steel) 36. Cortex cannula (steel) 37. J-loop cannula (I/A) (steel) 			

Member-I

Member-II

Member-III

Member-IV

Member-V

Member-VI

Member-VII

Member-VIII

Member-IX

Member-X

Member-X

Member-XI

Member-XII

P.O.

Sl. No	Specifications	Procedure suggested for trial by board of officers	Results expected/ Desired
38. Posterior capsule polisher 23 gauge (steel) 39. Irrigating vectis serrated (titanium) 40. Anterior chamber washout cannula 16 gauge (steel) 41. Lens holding forceps (titanium) 42. Castroviejo corneal scissors universal (titanium) 43. Westcott tenotomy scissors (titanium) 44. Vannas Capsulotomy scissors (angled) (titanium) 45. Vannas micro scissors straight (titanium) 46. Iris scissors straight (steel) 47. Barraquer iris scissors (titanium) 48. Instrument caddy with silicon matt (steel)(2) 49. C. Maintaner with tubing 50. Sinsky Hook (angled) (titanium) 51. IOL Lens glide 52. Kansas Nucleus Bisector (steel) 53. Kansas Nucleus removal forceps (steel)			
II) IOL IMPLANTATION SET -Titanium 1. Suture tying forceps (straight) 2. Suture tying forceps (curved) 3. Mcpherson forceps (angled) 4. Capsulorhexis forceps 5. Limb's forceps 6. Fixation forceps 7. Superior Rectus forceps toothed 8. Castroviejo needle holder 9. Corneal universal scissor curved 10. Repositor single ended 11. Repositor cum spatula double ended 12. Sinsky hook extra fine single ended 13. V-Y and ball ended IOL manipulator double ended 14. Sterilization box with silicone matt 15. Iris Hook	Board should check physically during Demonstration OEM should submit an undertaking and document in this regard	As per specification	

Member-I  Member-II  Member-III  Member-IV  Member-V  Member-VI  Member-VII  Member-VIII  Member-IX  Member-X  Member-X  Member-XI  Member-XII  P.O. 

4. QRS AND TDs OF EYE OPERATING TABLE MOTORIZED

Appendix-2G (vi)

Sl. No.	Specifications	Procedure suggested for trial by board of officers	Results expected/ Desired
1.	Operation: Electric	Board should check physically during Demonstration OEM should submit an undertaking and document in this regard	As per specification
2.	Features: height-adjustable, Trendelenburg, reverse Trendelenburg		
3.	Options: with remote control		
4.	Number of sections: 2-section		
5.	Power: 220V / 50Hz, 110 V/ 60Hz		
6.	Height: Max.: 840 mm (33.1 in) or more Min.: 630 mm (24.8 in) or less		
7.	Width: 690 mm (27.2 in) or more		
8.	Length: 1,880 mm (74 in) or more		
9.	Operating table weight: 105 kg (231.5 lb) or more		
10.	Maximum load: 200 kg (396.83 lb) or more		
11.	Certification: "DGC/CE/USFDA/BIS/SI/CDSCO or equivalent Certification - should be present.		
12.	Warranty: 5 years and CMC 5 years after expiry of warranty		










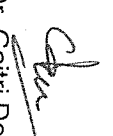


5. QRS AND TDs OF A-SCAN BIOMETRY

Sl. No.	Specifications	Procedure suggested for trial by board of officers	Results expected/ Desired
1.	Scan Mode : Direct Contact/immersion mode	Board should check physically during Demonstration OEM should submit an undertaking and document in this regard	As per specification
2.	Review A Scan with edit option at each stage.		
3.	Measurement: ACD, Lens thickness, Vitreous length & Axial Length'		
4.	Average AXL with standard deviation.		

Member-I  Member-II  Member-III  Member-IV  Member-V  Member-VI  Member-VII  Member-VIII  Member-IX  Member-X  Member-XI  Member-XII  P.O. 

Appendix-2G (vi)

Sl. No.	Specifications	Procedure suggested for trial by board of officers	Results expected/ Desired
	5. A-SC Transducer Probe Type : Solid State 10MHz fixation light. 6. Custom Adjustment of individual Zonal velocity (useful for silicone oil implanted eye) 7. Eye mode: Normal Phakic, Phakic Cataract, Dense Cataract, Aphakic, Pseudophakic & Custom defined for silicone oil implanted eye & other applications' 8. IOL Formulas: SRK-II, SRK-T, Binkhorst-II, Holladay, Hoffer-Q & Haigis' 9. Gain: Adjustable from 30dB to 105dB. 10. Standard Accessory :Foot Switch(if available), Printer with 2 roll Printing Paper, AC Power Cord, U/S Probe, Preger Cell for immersion biometry & option for computer connectivity. 11. Online UPS 1 KVA should be provided with backup time not less than 30 min		

- | | | | | | |
|---|--|--|---|---|--|
| 
(Dr. J Chhatopadhyay)
BSE
Member-I | 
(Dr. Rohit Shyam Bobil)
CMO(SG) (ENT)
RH, ITBP, Gr. Noida
Member-I | 
(Dr. Saquib Khan) CMO
(OG)
(Radiology) CRPF,
Member-III | 
(Dr. R Kuppum Sammy)
CMO(SG)
(Paediatrics) CRPF
Member-IV | 
(Dr. Chandrima Kar)
Comdt./Spl. Gr.I &
(Obs Gyn), CRPF
Member-V | 
(Dr. Anurag Jain)
Contractual, Spl
(Orthopaedics),
CRPF Member-VI |
| 
(Dr. Rakesh Tiwari)
CMO (SG)
(Anaesthesia),
ITBP Member-VII | 
(Dr. Shaifali Gupta)
Comdt./Spl. Gr.I
(Ophthalmology), ITBP,
Member-VIII | 
(Dr. Rajkamal Nimesh)
Comdt./Spl. Gr-I
(Surgery), ITBP,
Member-IX | 
(Dr. Gairi Devi)
CDS (SG), (Dental),
SSB
Member-X | 
(Dr. Neeraj Kumar)
CMO, (Medicine),
ITBP
Member-XI | 
(Dr. Soumyesh Ghosh)
Comdt./Spl. Gr.I
(Pathology), ITBP
Member-XII |

(Dr. A C Bhardwaj)
 IG (Med.), RH, ITBP, Gr. Noida
 Presiding Officer