HSCC (India) Ltd

Amendment-I dated 09.07.2020

Ref IFB No. HSCC/AIIMS-RAEBARELI/HOSPITAL/05/2020 dated 09.06.2020

Subject: ***Procurement of Medical Equipment for AIIMS-Raiebareli-regarding amendment & extension of bid***

1. Bid sale, submission and opening date for all the items has been extended as per details given in **Table -1.**

Table-1

Sl. No.	Description	Previous Schedule	Revised Schedule
i	Sale date of the tender	09.07.2020, 05:00 P.M.	23.07.2020, 02:00 P.M.
ii	Closing date & time for receipt of tender	09.07.2020, 02.30 P.M.	23.07.2020, 02.30 P.M.
iii	Time and date of Opening of Tenders	09.07.2020, 03.00 P.M.	23.07.2020, 03.00 P.M.

2. **Technical amendment is as under:**

Item No. 01

Photo Slit Lamp with Appliation Tonotmeter

Tender Specification	Amended as
1. Slit width : 0-14 mm adjustable	Slit width : adjustable 0-12 mm or more
2. Slit length : 0.1 –14mm adjustable in steps	2. Slit length : 0 –12mm or more adjustable in steps
3. Slit angle : +90 – 90 continuous	No Change
4. Decentering of slit image : +4 to –4 horizontal	No Change
5. Diaphragm sizes : 0.2 – 14mm	Diaphragm sizes : 0.2 – 12mm or more
6. Rotation : 0-180 degrees	No Change
7. Light source : LED only	No Change
8. Slit tilt : 0-20 degrees	Slit tilt : 0-20 degrees variable in steps
9. Filters : cobalt blue, red free, neutral, UV protection	No Change
10. Binocular microscope with standard objective and eyepieces	No Change
11. 5x-40x zoom magnification	Up to 40x magnification in 5 steps
12. 6-40 mm field of view	5/6/7 mm - 40 to 43 mm field of view
13. Movement : base movement (x, y, vertical), adequate chin rest movement	No Change
14. Motorized imported table for slit lamp, wheel chair friendly	No Change
15. Applanation tonometer	No Change
16. Accessories: Volk/occular 78D and 90D, Volk/occular GM3M and Volk/occular Two Mirror Gonioscope	No Change
17. Should be supplied with Observer Scope	No Change
1. New Point Added	Equipment and accessories should be USFDA or European CE with four digit notified body number or BIS certified
2. New Point Added	Equipment should be supplied with an online UPS with 30min backup

Item No. 02

PHOTO SLIT LAMP

Tender Specification	Amended as
PHOTO SLIT LAMP	**Slit Lamp**
Slit width : 0-14 mm adjustable	Slit width : adjustable 0-12 mm or more
2. Slit length : 0.1 –14mm adjustable in steps	Slit length : 0 –12mm or more adjustable in steps
3. Slit angle : +90 – 90 continuous	No change
4. Decentering of slit image : +4 to –4 horizontal	No change
5. Diaphragm sizes : 0.2 – 14mm	Diaphragm sizes : 0.2 – 12mm or more
6. Rotation : 0-180 degrees	No change
7. Light source : LED only	No change
8. Slit tilt : 0-20 degrees	Slit tilt : 0-20 degrees variable in steps
9. Filters : cobalt blue, red free, neutral, UV protection	No change
10. Binocular microscope with standard objective and eyepieces	No change
11. 5x-40x zoom magnification	5x/6x/6.3x to 40x or more with magnification achieved in 5 steps
12. 6-40 mm field of view	5/7 mm - 40 to 43 mm field of view
13. Movement : base movement (x, y, vertical), adequate chin rest movement	No change
14. Motorized imported table for slit lamp, wheel chair friendly	No change
15. Should be supplied with suitable online UPS with atleast 30 min backup	No change
16. Should be supplied with integrated HD camera(Camera and Slit lamp should be from same make) with suitable software for image processing and storage along with branded desktop with table	Should be supplied with integrated HD camera(Camera and Slit lamp should be from same make) with suitable software for image processing and storage along with (workstation / branded desktop) with table
17. It should be European CE issued from four digit notified body number/USFDA/ BIS for offered model	Equipment and accessories should be USFDA or European CE with four digit notified body number or BIS certified
1. New Point Added	Equipment should be supplied with an online UPS with 30min backup

Item No. 03

Noncontact Tonometer with Pachymetry

Tender Specification	Amended as
1. Air puff non contact tonometer	No change
2. To measure intraocular pressure without actual eye contact	To measure intraocular pressure and corneal thickness without actual eye contact
3. Digital display of intraocular pressure	No change
4. Measurement range 4 to 59 mm of Hg	Measurement range 1 or more - up to 60 mm of Hg(1 mm steps)
5. Printer & USB connectivity.	No change
6. LCD display 5" or more	No change

7. Fixation cues should be obvious.	No change
8. Alignment & measurement should be manual & automatic.	No change
9. Measurement with a single button, one touch triple measurement mode	Measurement with a single button ,and/ or one touch triple measurement mode
12. Motorized table of same make for NCT.	Motorized table for NCT , wheel chair friendly
13 NEW Point Added	Ability to provide IOP Compensation by corneal thickness .
14. Should be European CE issued from four digit notified body number/USFDA/ BIS approved product.	Equipment and accessories should be USFDA or European CE with four digit notified body number or BIS certified
Pachymetry	
1. New Point Added	Pachymetry range 400 µm or less up to 750 µm or more
2. New Point Added	Equipment should be supplied with an online UPS with 30min backup

Item No. 04

Ophthalmic ND: YAG Laser- 1064 nm

Tender Specification	**Amended as**
1. Laser wavelength 1064nm,	No change
2. Structure Mode: super-Gaussian for highly precise beam profile.	No change
3. Optical breakdown 2.5 mJ or less in air	Optical breakdown 3 mJ or less in air
4. Pulse duration < 4ns	Pulse duration ≤4ns
5. Max. Laser energy 10mJ (Single Pulse), 23mJ(Double pulse) and 37mJ (Triple pulse)	Max. Laser energy 10mJ (Single Pulse), 23mJ(Double pulse) and 35/37mJ (Triple pulse)
6. Minimum Energy 0.3mJ – 10mJ(Single Pulse)	Minimum Energy 0.2/0.3mJ – 10mJ(Single Pulse)
7. Energy levels: 22 steps	No change
8. Pulse repetition frequency Max.2 Hz.	Pulse repetition frequency maximum 2-3 Hz.
9. Focus diameter 10 micron in air	No change
10. Cone angle/Angle of exit aperture 16 Deg.	No change
11. Aiming beam Laser diode with 670nm wave Length , It should be with Four point aiming beam system for perfect focusing/ targeting with astigmatic disorders.	Aiming beam Laser diode with any range between 625 -685 nm wave Length , It should be with Four point aiming beam system for perfect focusing/ targeting with astigmatic disorders.
12. Aiming beam focus offset +/- 150 µm posterior & anterior focus shift.	No change
13. Remote laser control unit so that laser parameters can be changed by assistant for easy use, It should not be Integrated/mounted on the Slit lamp	Laser control unit can be separate or integrated /mounted on slit lamp.
14. LASER SLIT LAMP :	No change
15. Slit Lamp with 5,8,12,20,32x magnification changer with 10x eyepieces and straight tube f=140mm with PD adjustable	Slit Lamp with 5/6,8,12,20,32x or more magnification changer with 10x/12.5x

50-78mm.	eyepieces and straight tube f=any range between 100-140mm with PD adjustable 50-78mm.
16. Illumination : Halogen12V/30W;	Illumination : Halogen12V/30W/LED
17. Adjustable slit width 0-14mm continuous, Length 1/3/5/9/14mm.	No change
18. Asymmetrical motorised table for height adjustment	No change
19. Should be European CE issued from four digit notified body number/USFDA/ BIS approved product.	Equipment and accessories should be USFDA or European CE with four digit notified body number or BIS certified
1. New Point Added	Equipment should be supplied with an online UPS with 30min backup

Item No. 5 Ophthalmic Operating Microscope

Sr. No.	Tender Specification	Amended as
1	For both Anterior segment and posterior segment surgery	No change
2	Should have apochromatic optics	No change
3	Should have motorized continuous magnification (zoom)	No change
4	Should have working distance of objective lens F = 200mm	No change
5	Eye piece should be minimum 10x or 12.5x wide with dioptre adjustments	No change
6	Should have XY coupling with motorized foot control.	No change
7	Should have red reflex switching in/out facility	No change
8	Should have 0-180 degree inclinable binocular tube with converging optics.	Should have up to 180 degree swivel binocular tube with converging optics of F=170mm
9	Should have total magnification from at least 3x to 20x	Should have total magnification from at least 4.3x and up to 25x
10	Should have field of view from at least 10mm to 50mm	No change
11	Should have coaxial illumination by fiber optic light guide	No change
12	Adaptable for assistant microscope with stereo co-observation tube with Beam splitter (80:20)/ (70:30) External/ integrated in the microscope body for additional Stereo co observation attachment/ documentation.	No change
13	Deleted	No change
14	Should have tools free design for stand-by bulb change over and for failed bulb replacement.	No change
15	Should have heat absorbing and UV filters, retina protection device, contrast enhancement aperture.	Should have heat absorbing and UV filters, retina protection device/filter, contrast enhancement aperture
16	Should be floor standing type with fibre wheels with brake.	No change
17	Should have a minimum vertical stroke of 400mm	No change
18	Should have rust free stand. It should have Xenon or Halogen or LED illumination.	Should have rust free stand. It should have LED illumination and or Xenon/halogen combi Light Source
19	Should be operated in 200-240 V AC 50/60 Hz input supply.	No change
20	Should have safety certificate from a competent authority European CE with 4 digit notified body number or FDA	Equipment and accessories should be USFDA or European CE with

	(US) or BIS.	four digit notified body number or BIS certified
	1. New Point Added	Equipment should be supplied with an integrated video recording system including CMOS/CCD camera and 22" LED Monitor
	2. New Point Added	Equipment should be supplied with an online UPS with 30min backup

Item No. 6, Digital Fundus Camera (Mydriatic and Non Mydriatic)

Revised Specification:

Sr. No.	Tender Specification
	Digital Fundus Camera
1	Field angles : 20/30-45/50/60 DEGREES
2	**Image capture (Colour , red –free, blue and red pictures fluorescent angiography ,live visualization , funds Auto-florescence, ICG Angiography and pictures of the anterior segment.**
3	Capture Sensor High resolution 24 or more megapixel CCD Camera (Integrated) or with 35mm Digital SLR camera.
4	Monitor : 21 inches or more LCD/TFT display
5	Fixation Internal: Internal and external fixation light both, with AMD patient fixation compatibility.
6	Exposure interval 1.5 -2 second (depends on flash energy)
7	Facility/computer for Data storage- 400-500 GB data transfer, image archiving, image analysis
8	Asymmetrical imported motorized table suitable even for patients in the wheel chair
9	Supporting latest computer hardware & software
10	Equipment and accessories should be USFDA or European CE with four digit notified body number or BIS certified
11	Filters FFA & ICG exciter and barrier filters, Filter for green Blue images and FAF.
12	Compensation for Ametropia +35 D/ 23D -35/23D Continous.
13	Pupil Diameter less than 4.5 mm & less than equal 3.3 mm (small pupil mode)
14	Flash energy : Xenon flash lamp , 24 or more flash levels or equivalent
15	Database: Patient information and image with field angle, FA & ICG time, R/L Recognition and date visit.
16	Equipment should be supplied with an online UPS with 60min backup

Item No.7 Auto Ref-Keratometer

Sr. No.	Tender Specification	Amended as
	The unit should have the following features:	
	Measurement Range for Refractometry:	
	Objective and subjective mode and measuring corneal astigmatism, low contrast glares acuity testing.	No Change
1	Sphere Range : Atleast -25 D to + 22 D (0.12 D / 0.25 D)	No Change
2	Cylinder Range : Atleast 0 D to ± 10 D (0.12 D / 0.25 D)	No Change
3	Axis Range : 0 ˚ to 180 ˚ (in 1 ˚ or 5 ˚ steps)	No Change
4	Minimum measurable pupil diameter : 2 mm	No Change
5	PD Measurement range : Atleast 20 - 85 mm in 1 mm step	No Change
6	Preferably with IOL mode and print out facility.	No Change
7	Automatic measurement in case of correct centering	No Change
8	**Corneal Curvature mode for Keratometry:**	No Change
	High accuracy measurements of corneal and contact lens radii:	No Change

1	Corneal curvature radius : Atleast 5.00 to 10.00 (0.01 mm)	No Change
2	Corneal refraction : Atleast 33.75 D to 67.5 D (0.12 D / 0.25 D)	No Change
3	Corneal Vertex distance: 10.5,12.0, 13.5,15	No Change
4	Refraction index : Atleast 1.3	No Change
5	Auto and manual mode with contact lens base curve measuring facility.	No Change
6	Internal thermal printer with cut off facility. Adjustable tilt LCD monitor. Motorised table. Data memory facility should be available. Supplied With 10 printer paper rools	No Change
7	Should be US FDA/ European CE issued by four digit notified body number/ BIS approved	No Change
	1. New point added	Equipment should be supplied with an online UPS with 30min backup

Item No.8 Visual field analyser

Sr. No.	Tender Specification	Amended as
1	High quality Goldman standard automated perimeter with working distance 30cm	No change
2	Maximum intensity 10,000Asb, Bowl illumination 31.5Asb	No change
3	C.D/ DVD.drive, internal 500 GB hard disk drive.	No change
4	Stimulation duration 200ms, wavelenth Broad band visible light	No change
5	Stimulus/Background colour White on White, Blue on yellow (SWAP)	No change
6	Maximum temporal range 90Deg.Suitable for central 30 as well as full field testing	No change
7	Central field test patterns 30-2, 24-2, 10-2, Macula	No change
8	Peripheral field test pattern 60-4, Nasal Step, custom test.	No change
9	Threshold test strategies full threshold, Fast Pac, SITA or equivalent	No change
10	Glaucoma progression analysis (GPA) software for monitoring diseases progression.	No change
11	Screening field test, Nasal Step for periphery.	No change
12	Screening test strategies Two zone, Three Zone and Quantify Defects	No change
13	Automatic Pupil measurement	No change
14	Stimulus Size I-V as per Goldman standards	No change
15	Glaucoma hemi field test, Heijl –Krakau blind spot monitor	Glaucoma hemi field test, Heijl –Krakau blind spot monitor or equivalent
16	Kinetic perimetry: manual and automated.	No change
17	Video eye monitoring, Trial Lens Holder, Gaze tracking System	No change
18	Head tracking, Vertex Monitoring, LCD Touch screen , Keyboard	Head tracking, Vertex Monitoring, LCD Touch /LCD screen , Keyboard
19	Motorized chinrest, motorized table with Laser Jet Printer.	No change
20	Database software DICOM facility.	No change
21	Should be USFDA or European CE with 4 digit notified body number or BIS approved product.	Equipment and accessories should be USFDA or European CE with four digit notified body number or BIS

		certified
	New point added	Equipment should be supplied with an online UPS with 30min backup

Item No.9 Ultrasound (A+B) Scan

Sr. No.	Tender Specification	Amended as
	A-Scan:	
1	Probes: 10 MHz focused internal fixation light; Solid Tip or Soft touch.	No change
2	Measurements: ACD, Lens, Vitreous, and Axial Length using individual zone velocities and movable gates.	No change
3	Formulas: Holladay, regression H Theoretic/ T Binkhorst, Hoffer-Q, Haigis, SRK-II, SRK-T. Post refractive correction formulae.	Formulas: Holladay, Theoretic/ T Binkhorst, Hoffer-Q, Haigis, SRK-II, SRK-T. Post refractive correction formula.
4	4. Modes: Automatic and Manual- Cataract, Dense Cataract, Aphakic & pseudophakic (PMMA, Acrylic, Silicone and Custom)	No change
5	5. Review: Stored A-Scan Patterns, A-Scan measurements, and statistics.	No change
6	6. Statistics: Average, Std. Deviation, Range and Maximum difference from average.	No change
7	7. Calculations: 6 constants per user profile, 9 user selected IOL powers vs. refraction, personalized A-constants and surgeon factors.	No change
8	8. Memory: Stores 5 scans and measurements, selected formula, IOL, constants and user name.	No change
09	9. Accuracy: Electronic: ± 0.20mm Clinical : ± 0.1mm	No change
10	10. Range: Automatic Mode: 20 - 30 mm atleast Manual Mode: 0.5 - 30mm atleast	No change
11	11. Calibration: Automatic with built-in calibration cylinder.	No change
12	12. Report: Patient Name, ID # Eye Examined, K-readings, User Name, Date, Time, Immersion On/Off.	No change
	B-Scan:	
1	1. Probe 10 MHz, Focused Transducer, 30 Frames/Sec.	No change
2	2. Measurements: Distance and area, length and circumference of the pathology detected in the image.	No change
3	3. Amplifier 100 dB Gain with Gain and TVG controls	No change
4	4. Freeze Foot pedal and ability to zoom image after the image has been frozen.	No change
5	5. Image B-Scan with simultaneous selectable Vector A-Scan. Quad B scan.	No change
6	6. Display 60 deg. Sector fan, Gray scale, B/A presentation (B emphasized)	No change
7	7. Should have minimum of 256 shades of gray for enhanced resolution.	No change
8	The system Should be US FDA/ European CE with 4 digit notified Body number approved/BIS	Equipment and accessories should be USFDA or European CE with four digit notified body number or

		BIS certified
	New point added	Equipment should be supplied with an online UPS with 30min backup

Item No.10 Indirect Opthalmoscope(Wireless)

Sr. No.	Tender Specification	Amended as
1	Binocular Indirect ophthalmoscope with precision viewing upto 1.0 mm pupil size	No Change
2	Spot size: 3 integrated spot size small spot, medium spot and large spot.	No Change
3	Filters: 4 integrated filters to choose from red filter, cobalt blue filter, yellow filter and diffuser	No Change
4	Vertical adjustment, +/-4 degrees	No Change
5	Headband with Rheostat and Articulating Hinge to provide vertical adjustment of the rear band.	No Change
6	Integrated flip up adjustment optics, which can be flipped, and locked at 0, 12.5, 47.5, 60 degrees.	No Change
7	Aperture and filter adjustment levers: can be locked to the desired position required.	No Change
8	Locking apertures and filter adjustment (safety clutch): protect mechanism from the forced adjustment while in the lock position.	No Change
9	P.D. range from 46-75 mm.	No Change
10	6V Halogen/Xenon bulb.	LED/Xenon bulb
11	Teaching mirror	No Change
12	Rechargeable Li-on battery transformer with LED indicator	No Change
13	Desk top cum wall transformer.	No Change
14	Transformer compatible with voltage system of AC 220-240volts	No Change
15	Large & small depressors	No Change
16	Carrying case.	No Change
17	Spare rechargeable battery – 1 Nos.	No Change
18	+20D lens.	No Change
	The system Should be US FDA/ European CE with 4 digit notified Body number approved/BIS	No Change

Item No.11 Hi Speed Steam Flash Sterilizer

Sr. No.	Tender Specification	Amended as
1	Alarms for Completion of cycle, over temperature, etc.	No Change
2	The autoclave operates with saturated steam as the sterilizing agent with a temperature range of 105°C (221°F) to 137 °C (279 °F) and a working pressure that meets AMSE and PED requirements.	No Change
3	Auto clave with single door.	No Change
3.1	The system should be free standing fast autoclave. Should come with a jacketed double walled chamber, which acts as an instant supply of steam and keeps the autoclave warm and ready for use. The powerful water-ring vaccum-pump provides for fast pre and post vacuum air removal	No Change
3.2	Should sterilize class B cycles - packaged, porous and hollow A loads.	No Change
3.3	Should be able to manage large loads efficiently with a powerful vacuum pump	No Change

3.4	Should be able to enhance monitoring for consistent documentation of sterilization results	No Change
3.5	Should have automatic safety shutoff to prevent overheating of chamber	No Change
4	Double Wall:	No Change
4.1	Surrounding the chamber there should be a second wall, the jacket. The internal steam generator should fill the jacket with steam when the sterilizer is first started. The jacket then should act as a steam generator and reservoir.	No Change
4.2	Should minimize the time it takes for each individual cycle to come up to temperature and pressure	No Change
4.3	Should be built to run continuously for 24 hours	No Change
4.4	Should have excellent temperature distribution in the chamber	No Change
4.5	Should have negligible condensation and improves drying	No Change
4.6	Should have excellent chamber insulation which increases efficiency	No Change
5	Capacity	No Change
5.1	Should be supplied in 70 Litres.	No Change
5.2	Should have robust high-volume water-ring vacuum-pump for fast and efficient air-removal	No Change
5.3	Should have Dual-compartment water reservoirs with automatic filling and discharge:	No Change
5.4	Mineral-free water reservoir for steam	No Change
5.5	Tap water supply for the water-ring vacuum-pump	No Change
5.6	Connection to water draining and to external mineral-free water supply for automatic draining and filling of water	No Change
5.7	Stand-by heating mode to keep the autoclave warm and ready to use	No Change
5.8	316L stainless steel chamber and door with electro-polish finish	No Change
5.9	Control lock-out switch to prevent starting a cycle if door is not properly locked	No Change
5.10	Door protection device to prevent door from opening at high pressure and high temperature.	No Change
6	Should be USFDA or European CE with 4 digit notified body number or BIS approved product	No Change

Item No.12 Digital Lensometer

Tender Specification	Amended as
1. Auto focus /Auto alignment/Auto centring	No Change
2. Contact lens module	No Change
3. Able to detect power of progressive lenses	No Change
4. Able to detect UV absorption capacity of lenses both UV A & UV B with visible light transmission qualities of the lens.	No Change
5. Spherical Power: -25D to +25D	No Change
6. Cylinder Power: 0D to ±10D	No Change
7. Axis: 0 Degrees through 180 Degrees (1 Degree Steps)	No Change
8. Addition: 0D to ±10D	No Change
9. Prismatic Power: 0 to 10 Prism Diopter and prism base direction 0-360 deg {1 deg steps (0-180deg) and 5 deg step (0-180 deg)}	No Change
10. UV Transmittance Measurement: 0 to 100% (1% Increments)	No Change
11. Pupillary Distance Measurement: 40 mm to 90 mm	No Change
12. Lens Power Measuring Wavelength: 630 nm	No Change

13. UV Transmittance Wavelength: 375 nm	No Change
14. Measurement Modes: Single Vision, Bi-Focal, Progressive, Prism, UV, Hard and Soft Contact Lenses, high index lenses.	No Change
15. LCD/TFT monitor 5" or more	No Change
16. Printer attachment and auto save facility	No Change
17. Power: 220- 240 V	No Change
18. Abbe no. 30-60 at least.	No Change
19. Measurable lens diameter –	No Change
(a) Spectacle lenses – 30 to 100 mm. (b) Contact lenses- Larger than the inner diameter of the nose piece.	No Change
20. Facility for marking centration of the lenses.	No Change
21. Should be European CE issued from four digit notified body number /USFDA/ BIS approved product.	No Change
22. Should be supplied with 10Nos of printer paper rolls	No Change
23. Should be supplied with suitable table for machine	No Change

Item No.13 Digital Visual Acuity Chart with remote

Tender Specification	Amended as
1. The Unit should be compact & Light weight	The Unit should be compact & Light weight (approx 21 ")

All other terms and conditions of the tender enquiry document shall remain unchanged.

Prospective bidders are advised to regularly visit HSCC website/ CPPP website for corrigendum/amendments etc. if any, as these will be notified on these portals only. No separate advertisement will published in the news papers in this regard.

s/d
Sr. CGM-I, HSCC (India) Limited