

Amendment No. 1

Sub: Amendment to the referred tender enquiry

Ref.: Tender Enquiry HITES/PCD/PMSSY-IV/AIIMS/11/18-19 DATED 13.12.2018.

The following changes are being incorporated in the above referred Tender Enquiry Document.

Section VII
Technical Specification

Schedule No. 01
Electronic Blood Cell Counter with Six Part Differential (Rfx No. 3000003625)

Tender Page & Para	TENDER SPECIFICATION	READ AS
pg 50 para 21	WBC linearity should 0.0 to 3000 x 1000 cells/microlitres	Deleted
pg 50 para 31	Should not use more than 5 reagents including cleaning agent in order to minimize inventory lot to lot quality control, maintenance and calibration	Should not use more than 5-10 reagents including cleaning agent in order to minimize inventory lot to lot quality control, maintenance and calibration

Schedule No. 02
Fully Automated Coagulometer (Rfx No. 3000003626)

Tender Page & Para	TENDER SPECIFICATION	READ AS
pg 51 para 2	Should be able to perform Clotting, Chromogenic and Immunological tests and aggregation assays	Should be able to perform Clotting, Chromogenic and Immunological tests.
pg 51 para 5	The throughput should be Minimum 180 PT tests/ Hr.	The throughput should be Minimum 140 PT tests/ Hr.
pg 51 para 10	The analyzer should have facility for keeping at least 45 reagents on board	The analyzer should have facility for keeping at least 40 reagents on board
pg 51 para 13	Should be able to do platelet aggregometry tests.	Deleted
pg 51 para 16	Should have the facility of running cross mixing tests.	Should have the facility of running mixing tests.
pg 51 para 27	To be supplied with Branded computer system with at least Core i7 processor, 8GB RAM, 1TB HDD, DVD R/R, 21" or better LED Monitor, Genuine Windows 10 or more, A4 size laser printer and appropriate bar code reader.	To be supplied with Branded computer system with at least Core i7 processor, 8GB RAM, 1TB HDD, DVD R/R, 21" or better LED Monitor, Genuine Windows 10 or more, A4 size laser printer and appropriate bar code reader. Or Inbuilt system capable of integrating LIS and connecting printers
pg 51 para 28	Start-up kit for at least 200 tests should be provided free of cost.	Start-up kit for at least 200 tests should be provided free of cost. (PT and APTT)

Schedule No. 03
Automated Urine Analyzer (Rfx No. 3000003627)

Tender Page & Para	TENDER SPECIFICATION	READ AS
pg 52 para 4	Instrument Strip Feeder should have Storage of 300 test strips at a time with Continuous Loading for True Walkaway Analysis	Instrument Strip Feeder should have Storage of 300 test strips
pg 52 para 18	Body fluid sample volume requirement should not be more than 0.6 ml.	Body fluid sample volume requirement should be 0.5 - 2ml
pg 52 para 21	Should have European CE & US FDA certification or BIS approved	Should have European CE or US FDA certification or BIS approved

Schedule No. 05
Vacuum Assisted Tissue Processor (Rfx No. 3000003629)

Tender Page & Para	TENDER SPECIFICATION	READ AS
pg 54 para 11	Impregnation vacuum of -70kPa and pressure of +35kPa, on line display during processing.	Impregnation vacuum of -60kPa and pressure of +35kPa, on line display during processing.
pg 54 para 20	Reagent and Wax containers of 3.3 liters or more capacity.	Reagent and Wax containers of 3 liters or more capacity.
	Added Para	The machine should be European CE or US FDA or BIS approved.
pg 54 para 5	Optical level sensors for reagent and wax level in the retort ensures the maximum safety	Optical/Ultrasonic level sensors for reagent and wax level in the retort ensures the maximum safety

Schedule No. 06
Embedding Station with Hot & Cold Table & Paraffin Dispenser (Rfx No. 3000003630)

Tender Page & Para	TENDER SPECIFICATION	READ AS
pg 55 para 5	Cassette bath to store at least up to 80 cassettes.	Cassette bath to store at least up to 80 cassettes/ 3-4 lit

Schedule No. 08
Cryomicrotome (Rfx No. 3000003632)

Tender Page & Para	TENDER SPECIFICATION	READ AS
pg 57 para 2	Cryo chamber temperature setting should be 0°C to -35°C. Cooling via two separate compressor systems & Peltier unit.	Cryo chamber temperature setting should be 0°C to -35°C. Cooling via compressor systems & Peltier unit.
pg 57	Motorized rapid and slow coarse feed preferably at	Motorized coarse feed speeds 300 - 500µm/s with

para 2	two speeds 300 - 500µm/s & 800 - 1000 µm/s should be available.	optional 800 - 1000 µm/s
pg 57 para 23	The equipment should be supplied with 5 packets of disposable blades, 5 bottles of freezing compound & 2 sets of brushes.	The equipment should be supplied with 5 bottles of freezing compound & 2 sets of brushes.

Schedule No. 09
Pentahead Microscope (Rfx No. 3000003633)

Tender Page & Para	TENDER SPECIFICATION	READ AS
Pg 58 para 6	Observation tube : Wide field Trinocular head with FOV 22 mm or More with three Light path selection of 100:0, 20:80 and 0:100	Observation tube : Wide field tiltable Trinocular head with FOV 22 mm or More with three Light path selection of 100:0, 20:80 and 0:100
Pg 58 para 7a	Ceramic-coated coaxial stage with right hand low drive Control with X and Y axis Tension adjustment	Ceramic-coated coaxial stage with right hand low drive for two slides. Control with X and Y axis Tension adjustment
Pg 58 para 11	The equipment should be USA- FDA/European- CE/ BIS approved.	The equipment should be USA- FDA/European- CE (Either from notified body or EC Declaration of conformity with ISO 13485 / BIS approved.

Schedule No. 10
Cytospin (Rfx No. 3000003634)

Tender Page & Para	TENDER SPECIFICATION	READ AS
	CYTOSPIN	Name to be Changed as: CYTO CENTRIFUGE
pg 59 para 4	Should be equipped with Biological safety cabinet for safety of the operator	Deleted
pg 59 para 13	Speed 100 to 4,000 rpm	Speed 200 to 2,000 rpm
pg 59 para 15	The equipment should be a automated slide preparation system that produces uniform thin-layer slides for both gynecologic and non-gynaecological sample processing which should remove obscuring blood, mucus, debris and also thoroughly mix the sample	Deleted
pg 59 para 16	Processes about 80 samples per cycle with automatic chain-of-custody verification of patient samples	Deleted
	Added Para	The equipment will be supplied with 200 filters, 80 slides, 12 sample chamber, cytoclips, 12 mega funnels with seals.

Schedule No. 11
Grossing Station (Rfx No. 300003635)

Tender Page & Para	TENDER SPECIFICATION	READ AS
	<p>(1) Digital SLR Camera with 18-55 lens, CMOS Sensor, 16 GB card for recording good quality of photographs with computer inter phase (18.0 Mega Pixel). HDMI cable & Carry bag should also be provided. (2) Video Camera: Quality should be suitable for purpose of recording grossing steps, a CC TV Camera should be provided. Specification for CC TV Camera:-</p> <ul style="list-style-type: none"> o Should have 16 Mega pixel or better. o Optical Zoom-12x or better o Digital Zoom-16x or better o Focus-Autofocus o Built-Durable & robust, shock resistant and capable of withstanding light showers. o Video-Full HD 1080, should save still images during video recording. o Sensor-CMOS Sensor o Connectivity-USB 2.0 o A compatible DVR with foot switch should be provided. o Memory-Minimum 16 GB Micro SD Card or better. o Dimensions-Less than 90 mm (w) x 90 mm (h) x 200 mm (d) o Weight-Not more than 900 gram. o Accessories- USB Cable, AC Adaptor, Power Cord, Lens Cap, Micro HDMI Cable. o Warranty-Two (2) years. 	<p>The system should be fully automated Immuno staining system for Immuno Histochemistry and In-situ hybridization, preferably SISH/FISH and FITC independently or simultaneously.</p>
6	Minimum antibody dispersion of 100 µl to maximum of 150 µl.	Minimum antibody dispersion of 75 µl to maximum of 150 µl.
8	The equipment should be FDA/CE approved	The equipment should be FDA/CE/BIS approved
9	The Staining System should have inbuilt antigen Retrieval system for Heat treatment required for antibodies.	The Staining System should have inbuilt /integrated antigen Retrieval system for Heat treatment required for antibodies.

Schedule No. 13
Automated ESR Analyser (Rfx No. 300003637)

Tender Page & Para	TENDER SPECIFICATION	READ AS
pg 64 para 16	Should have European CE & US FDA certification or BIS approved	Should have European CE or US FDA certification or BIS approved

Schedule No. 15
Thalassaemia and Hemoglobinopathy Testing/ Screening System (Rfx No. 300003639)

Tender Page & Para	TENDER SPECIFICATION	READ AS
pg 69 para 4	The company should have broad installation base with at-least 10 years of presence in India and should be able to provide the relevant product, reagent and service support.	As per QC
pg 69 para 5	The system should have spinning of vacutainer before aspiration to avoid improper sampling.	The system should have spinning/mixing of vacutainer before aspiration to avoid improper sampling.
pg 69 para 7	The system should be quoted with a complete ready to use reagent kit and not individual items so that all the reagents are of the same lot.	The system should be quoted with a complete ready to use reagent kit/pack/ individual items
pg 69 para 9	The system should have an online & offline (CD-ROM) chromatogram library which should be a searchable database with approximately 200 chromatograms of fully classified abnormal hemoglobins and thalasseмииs	The system should have an online & offline (CD-ROM) chromatogram library which should be a searchable database with approximately 150-200 chromatograms of fully classified abnormal hemoglobins and thalasseмииs
pg 69 para 11	The company should provide normal and abnormal controls for Hb A2, Hb F and Hb S and provide External Quality Assurance Scheme (EQAS) to help compare results with similar users worldwide.	The company should provide normal and abnormal controls for Hb A2, Hb F and Hb S and provide/ connect External Quality Assurance Scheme (EQAS) to help compare results with similar users worldwide.
pg 69 para 21	The reagent containers should have a capacity of more than 1.5 litres so that the user does not need to change buffers regularly.	Deleted
pg 69 para 22	The HPLC system should have a dual piston pump so that each elution buffer has a different pump and the buffers work efficiently.	The HPLC system should have a piston pump so that each elution buffer has a different pump and the buffers work efficiently.
pg 70 para 24	Should have European CE & US FDA certification or BIS approved.	Should have European CE or US FDA certification or BIS approved.
pg 70 para 24	Appropriate anti-vibration table with granite top of standard make should be provided to accommodate the instrument, computer system and accessories.	Deleted

Schedule No. 17
Flowcytometer (Rfx No. 300003641)

Tender Page & Para	TENDER SPECIFICATION	READ AS
pg 72 para 2	The company should mention laser power output and minimum laser power received at the flow cell at the time of sample acquisition, for all lasers in the offer.	The company should mention laser power output for all lasers in the offer.
pg 72 para 13	Must have provision for integrated bar code reading to identify carousel number & tube location.	Must have provision for integrated bar code reading/ integrated with auto sampler to identify carousel number & tube location.

Schedule No. 18
IHC Immunostainer (Rfx No. 300003642)

Tender Page & Para	TENDER SPECIFICATION	READ AS
pg 73 para 1	The system should be fully automated Immuno staining system for Immuno Histochemistry and In-situ hybridization, preferably SISH and FITC independently or simultaneously.	The system should be fully automated Immuno staining system for Immuno Histochemistry and In-situ hybridization, preferably SISH/FISH and FITC independently or simultaneously.
pg 73 para 6	Minimum antibody dispersion of 100 µl to maximum of 150 µl.	Minimum antibody dispersion of 75 µl to maximum of 150 µl.
pg 73 para 8	The equipment should be FDA/CE approved	The equipment should be FDA/CE/BIS approved
pg 73 para 10	The Staining System should have inbuilt antigen Retrieval system for Heat treatment required for antibodies.	The Staining System should have inbuilt/integrated antigen Retrieval system for Heat treatment required for antibodies.

Schedule No. 20
Microscope with Projection Facility (Rfx No. 300003644)

Tender Page & Para	TENDER SPECIFICATION	READ AS
Pg 75 para 5	Objectives: Plan Achromat 2X,4X,10X, 20X,40X,100X	Objectives: Plan Achromat 2X, 4X/5X ,10X, 20X,40X,100X
Pg 75 para 6	Observation tube: Wide field Trinocular Eyepiece Tube with 10X eyepieces of 25mm F.O.V.	Observation tube: Wide field Trinocular Eyepiece Tube with 10X eyepieces of 22mm F.O.V. or more
Pg 75 para 10	Camera & Software: Digital Cooled CCD Camera approx 5 MP pixel size 4.65 mm x 4.65 mm, with 12 bit digitization, Fire wire port. Software to capture and image processing.	Camera & Software: Digital CCD/color/CMOS Camera with 5 MP , 12 bit digitization, Fire wire port/USB. Software to capture and image processing.
Pg 75 para 18	Face to Face second observer attachment with binocular head and eyepiece 10x/ 20mm with LED Pointer, the head should be 360 rotatable.	Face to Face second observer attachment with binocular head and eyepiece 10x/ 22mm with LED Pointer, the head should be 360 rotatable.
Pg 75 para 21	Document supporting track record and satisfactory performance from institutes of national importance (minimum one) should be provided.	Deleted

Schedule No. 21
Microscopes for Students (Rfx No. 300003645)

Tender Page & Para	TENDER SPECIFICATION	READ AS
pg 76 para 1	Infinity corrected imported microscope frame for transmitted microscopy with LED illuminator for longer life.	Infinity corrected microscope frame for transmitted microscopy with LED illuminator for longer life.
pg 76 para 10	Focusing – with coarse and fine focusing tension free.	Focusing – with coarse and fine focusing controls .

pg 76 para 16	Document supporting track record and satisfactory performance from institutes of national importance (minimum one) should be provided.	Deleted
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Schedule No. 25**Liquid Based Cytology System (Rfx No. 3000003649)**

Tender Page & Para	TENDER SPECIFICATION	READ AS
pg 63 para 6	Should preferably use an ethanol based preservative as the collection medium.	Should preferably use an ethanol/methanol based preservative as the collection medium.
pg 63 para 8	Should process each specimen to produce up to 8-10 equally representative slides especially for additional testing.	Should process each specimen to produce up to 3-4 equally representative slides especially for additional testing.
pg 63 para 17	To provide the quotations for image analysis.	To provide the quotations for image analysis. (Optional)
	Added Para	The equipment should be European CE or US FDA or ISO 13485 certificate
pg 63 para 9	Should be capable of handling a high throughput of 45-50 slides stained per hour.	Should be capable of handling a high throughput of 20-25 slides stained per hour.
pg 63 para 22	Document supporting track record and satisfactory performance from institutes of national importance (minimum one) should be provided.	As per QC

Schedule No. 26**Automated Clinical Electrophoresis (Rfx No. 3000003650)**

Tender Page & Para	TENDER SPECIFICATION	READ AS
pg 65 para 1 & 2	The instrument should be an automated electrophoresis system with sample capacity of 7, 15, and 30 per gel. Automation for migration and staining is required.	The instrument should be an automated electrophoresis system with sample capacity of 4- 30 per gel. Automation for migration and staining is required.
pg 65 para 6	The system should have wide menu and should be able to perform electrophoretic 4. analysis of Serum Protein, Haemoglobin, Immunofixation, Bence Jones Proteins, 5. Cerebrospinal Fluid (CSF), Lipoproteins, Iso Creatinine Kinase, Iso Alkaline 6. Phosphatase, Iso Lactate Dehydrogenase	The system should have wide menu and should be able to perform electrophoretic 4. analysis of Serum Protein, Haemoglobin, Immunofixation, Bence Jones Proteins, 5. Cerebrospinal Fluid (CSF), Lipoproteins.
pg 65 para 10	The system should have ability to run simultaneously on one gel either 54proteins samples, 9 immunofixations, or 15 hemoglobins samples.	The system should have ability to run simultaneously on one gel either min 20 proteins samples, 4 immunofixations, or 12 hemoglobins samples.
pg 65 para 11	System should have Sequential processing of each electrophoresis step from application, migration, incubation, staining, destaining to drying allows walk-away operation.	System should have Sequential processing of each electrophoresis step from application, migration, incubation, staining, destaining to drying

pg 65 para 14	The system should have capacity for 40-migration program and 40 staining program	The system should have capacity for min 15 migration program and min 9 staining program
pg 65 para 16 to 19	The through put of the system should be Protein - 90 samples / hour, Immunofixation - 18 samples / hour; Haemoglobin - 45 samples/ hour	The through put of the system should be Protein - 24 samples / hour, Immunofixation - 4 samples / hour; Haemoglobin - 12 samples/ hour
pg 65 para 20	The staining compartment of the system should operate 8 different reagents.	The staining compartment of the system should operate 6-8 different reagents.
pg 65 para 21&22	The system should be compact with dimension of 690 mm x 520 mm x 250 mm and a weight of less than 30 kg.	Deleted
pg 65para 24	The instrument should be automated agarose gel based electrophoresis system with sequential processing of each electrophoresis step from application, migration, incubation, staining, destaining and drying to allow walk-away operation. It should be an integrated System with all working stations in-built.	The instrument should be automated agarose gel based electrophoresis system with sequential processing of each electrophoresis step from application, migration, incubation, staining, destaining and drying.
pg 66 para25	It should be able to perform electrophoretic analysis of Acid & Alkaline Haemoglobin (Hb), Serum Proteins, Bence Jones proteins, Isoenzymes and Lipoproteins. It should be capable of performing Immunofixation and CSF Isoelectric Focusing.	Deleted
pg 66 para 27, 36, Para 38	LDH Isoenzymes CK Isoenzymes ALP Isoenzymes Peltier Driven Precise Temperature Control No Adjustment Of Voltage, Time ,Temperature & Current	Deleted
pg 67 para 54	To be supplied with computer (minimum i7 processor, 1 T B HDD and 4 GB RAM), A4 size laser printer and appropriate bar code reader.	To be supplied with computer (minimum i7 processor, 1 T B HDD and 4 GB RAM), A4 size laser printer. Appropriate bar code reader(Optional).
pg 67 para 55	Start-up kit for at least 100 tests should be provided free of cost.	Start-up kit for Serum Protein and Hb at least 50 tests each should be provided free of cost-
pg 67 para 58	Gel scanner and scanning software should be provided along with the electrophoresis system.	Deleted

Schedule No. 27

Water Purification System with Ultrapure Nuclease Free Water (Rfx No. 3000003651)

Tender Page & Para	TENDER SPECIFICATION	READ AS
pg 81 para 1	The Complete Ultrapure Water system must give ASTM Type II pure and Type I ultrapure water from a single system	The Complete Ultrapure Water system must give ASTM Type II pure and Type I ultrapure water from a single system/ double stage system
pg 81 para 5	RO Membrane should not get rejected water from another RO Membrane. It should work on a parallel series.	RO Membrane should not get rejected water from another RO Membrane. It should work on parallel.
pg 81 para 18	Final Filter should be 0.45+ 0.2µm pleated double-layered, sterile grade PESU membrane and should be	Final Filter should be 0.45+ 0.2µm pleated double-layered, sterile grade PESU membrane and should be

	validated according to HIMA & ASTM F-838-83 guidelines	validated according to HIMA/ ASTM F-838-83 guidelines
pg 81 para 26.d	Maximum water dispensing flow rate with pump from the tank should be 3.0 lit/hour	Maximum water dispensing flow rate with pump from the tank should be 3.0 lit/minute
pg 81 para 32	Product Water Quality	
	Microorganism content Type II: <1cfu/1000ml Type I: <1cfu/1000ml	Microorganism content Type II: <1cfu/ 1ml Type I: <1cfu/ 10ml
	Bacteria Type I:< 1 cfu/100ml	Bacteria Type I:< 1 cfu/ 10ml

Schedule No. 29**Class II, Type A2 Biological Safety Cabinet (Rfx No. 300003653)**

Tender Page & Para	TENDER SPECIFICATION	READ AS
Page 84	Dimensions (Cabinet Size): 4 to 6 feet. The interior of the cabinet shall be of stainless steel or equivalent material and must be smooth to ensure no risk of cuts to the users.	Dimensions (Cabinet Size): 6 feet . The interior of the cabinet shall be of stainless steel (SS 304 grade)and must be smooth to ensure no risk of cuts to the users.
Page 84	Efficiency of HEPA filter should be almost 99%	Efficiency of HEPA filter(H14) should be almost 99.999%
Page 84	Should meet NSF standards. Should be US FDA or European CE approved.	Should meet NSF 49 or EN 12469 standards.
Page 84	Warranty should cover UPS and batteries.	Should supply suitable online UPS for 30 minute backup and Warranty should cover UPS and batteries.

Schedule No. 31**Automated Coverslipper (Rfx No. 300003655)**

Tender Page & Para	TENDER SPECIFICATION	READ AS
pg 87 para 13	Should be capable of being integrated with automated strainers of same manufacturer.	Should be a standalone system or should be capable of being integrated with automated strainers of same manufacturer.
pg 87 para 16	UPS backup for the duration of one cycle of processing to be provided.	Suitable online UPS with 30 minute backup to be provided.

Schedule No. 32**Automated Slide Stainer (Rfx No. 300003656)**

Tender Page & Para	TENDER SPECIFICATION	READ AS
pg 88 para 2	Simultaneous staining of various different staining protocols including Haematoxylin-eosin and PAP stain	Staining of various different staining protocols including Haematoxylin-eosin and PAP stain should be available.

	should be available.	
pg 88 para 15	Should be capable of being integrated with automated coverslips of same manufacturer.	Should be a standalone system or should be capable of being integrated with automated coverslips of same manufacturer.
pg 88 para 18	UPS backup for the duration of one cycle of processing to be provided.	Suitable online UPS with 30 minute backup to be provided.

Schedule No. 33**Real Time Quantitative PCR System (Rfx No. 300003657)**

Tender Page & Para	TENDER SPECIFICATION	READ AS
pg 89 para 7	The system is combined with 6 coupled excitation and emission filter sets to enable collection of up to 21 unique combinations of wavelengths during a single run for multiplexing on the 96-well block instrument.	The system should be combined with atleast 5 LEDs as excitation and 5 photodiode as emission
Pg 89 Para 9	The system should have block ramp rate (at peak) of ≥ 5 deg C	The system should have block ramp rate (at peak) of ≥ 4 deg C
pg 89 para 17	Details of data acquisition during run for all dyes should be provided and ensured. Temperature accuracy should be maximum (+/- 0.5°C of set point/display temperature, measured at 3 minutes after clock start).	Details of data acquisition during run for all dyes should be provided and ensured. Temperature accuracy should be maximum (+/- 0.5°C of set point/display temperature)
pg 89 para 18	The system should have run time of less than 30 minutes in fast Mode and less than 2 hours in standard & emulation mode for 40 cycles.	The system should have run time of less than 45 minutes in fast Mode and less than 2 hours in standard & emulation mode for 40 cycles.
Pg 91 Para 36	Document or order copy supporting satisfactory performance from AIIMS/ institute of national importance (minimum one) should be provided.	Deleted

Schedule No. 34**Gel Documentation System (Rfx No. 300003658)**

Tender Page & Para	TENDER SPECIFICATION	READ AS
pg 92 para 3	System should automatically detects the sample and size and automatically moves the camera towards or away from sample to “zoom” into the correct position to maximize the utilization of the field of view.	System should automatically detects the sample and size with focus & “zoom” into the correct position
pg 92 para 4	System should have the facility that the sample should automatically mechanically rotated to help ensure square images that do not require digital rotation.	Deleted
pg 92 Para 5	System should have light path that maximizes sample viewing area in a small instrument design. System should provide a field of view 21 x 16 cm, enough for 4 mini gels.	System should have light path that maximizes sample viewing area in a small instrument design. System should provide a field of view 20 x 15 cm or more , enough for 4 mini gels.
pg 92	System should have 8 MP CCD Camera or more, Chip	System should have 8 MP CCD Camera or more. Images

Para 6	dimensions 16mm diagonal. 3.69x2.69um pixel size. Images generated in a 16 bit format that allows 65,000 gray scales or more and dynamic range of > 4.5 OD.	with microlens generated in a 16 bit format that allows 65,000 gray scales or more and dynamic range of > 4.5 OD.
pg 92 Para 7	System should have CCD Chip dimensions of 16mm or more Diagonal. 12.5x10mm Chip utilizes Micro lens surface technology to maximize light capture	Deleted
pg 92 Para 9	1x1, 2x2, 3x3, 4x4, 5x5, 6x6 and 8x8 binning options should be available for increased sensitivity and flexibility across applications.	1x1, 2x2, 3x3, 4x4, 5x5 binning options should be available for increased sensitivity and flexibility across applications.
pg 92 Para 11	System imagers should be cooled to approximately -30°C below ambient temperature to minimize the time required before operation caused by higher levels of cooling	System imagers should be cooled to approximately -50°C below ambient temperature to minimize the time required before operation caused by higher levels of cooling
pg 92 Para 12	Additional cooling should not be utilized due to the low noise levels of the camera (< 0.005 e-/pixel/sec a -10°C)	Deleted
pg 92 Para 14	System should not utilize UV lighting so as to minimize health and environmental hazards.	Deleted
pg 93 Para 25	Should have European CE & US FDA certification or BIS approved.	Should have European CE or US FDA certification or BIS approved.
pg 93 Para 28	UPS backup adequate for the duration of 3 KVA with 60 minutes back up should be provided.	Online UPS backup adequate for the duration of 1KVA with 60 minutes back up should be provided.

Schedule No. 35**Gradient Thermal Cycler (Rfx No. 300003659)**

Tender Page & Para	TENDER SPECIFICATION	READ AS
pg 94 Para 20	Should have European CE & US FDA certification or BIS approved.	Should have European CE or US FDA certification or BIS approved.

Schedule No. 36**Refrigerated Table Top Centrifuge (Rfx No. 300003660)**

Tender Page & Para	TENDER SPECIFICATION	READ AS
pg 95 Para 15	Should be supplied 10 KVA servo stabilizer with high and low voltage protection.	Should be supplied 3 KVA servo stabilizer with high and low voltage protection.

All other contents of the tender enquiry including terms & conditions remain unaltered.

Note:

- i. Prospective Bidders are also advised to check the website regularly prior to the closing date and time of online submission of bids