

Amendment No. 1

21-11-2017

Sub: Amendment to the Tender Enquiry.**Ref: HITES/PCD/MP/01/VIROLOGY/17-18 Dated: 27.10.2017**

The following changes/Clarifications have been authorised and are being incorporated in the above referred Bidding Document.

**SECTION – I
NOTICE INVITING TENDER (NIT)****Existing:**

(1)

SI No	RFx No	Equipment	Quantity	EMD	Tender Processing Fee
1	3000002269	Autoclave Horizontal	2	99,000	1,180
		a) Autoclave Vertical	4		
		b) Autoclave Vertical	2		
		Egg Incubator	1		
		Hot Air Oven	4		
		Hybridizing Oven	1		
		Incubator – A	2		
		Incubator – B	6		
		Incubator – C	2		
		Lyophilizer	1		
		Routine Water Bath	4		
7	3000002275	Micropipette Single Channel Variable volume 0.2-2 ul	6	16,000	590
		Micropipette Single Channel Variable volume 2-20 ul	6		
		Micropipette Single Channel Variable volume 5-50 ul	6		
		Micropipette Single Channel Variable volume 10-100 ul	6		
		Micropipette Single Channel Variable volume 20-200 ul	6		
		Micropipette Single Channel Variable volume 100-1000 ul	6		
		Micropipette Fixed volume Single Channel 5 ul	6		
		Micropipette Fixed volume Single Channel 10 ul	6		
		Micropipette Fixed volume Single Channel 50 ul	6		
		Micropipette Fixed volume Single Channel 100 ul	6		
		Micropipette Fixed volume Single Channel 1000 ul	6		
		Micropipette Multichannel 5-50 ul	5		
		Micropipette Multichannel 30-300 ul	5		
		9	3000002277		

(2)

Sl. No.	Description	Schedule
c.	Closing date & time for submission of online bids	27.11.2017, 18:00 PM
d.	Closing date & time for submission of tender processing fee and EMD in physical form*	28.11.2017, 14:00 PM
e.	Time and date of opening of online bids	28.11.2017, 14:30 PM

Read As:

Sch. No.	Event No.	Equipment	Quantity	EMD	Tender Processing Fee.
1	3000002269	Hot Air Oven	4	43,000	1,180
		Hybridizing Oven	1		
		Incubator – A	2		
		Incubator – B	6		
		Incubator – C	2		
		Routine Water Bath	4		
7	3000002275	Micropipette Single Channel Variable volume 0.2-2 ul	6	16,000	590
		Micropipette Single Channel Variable volume 2-20 ul	6		
		Micropipette Single Channel Variable volume 10-100 ul	6		
		Micropipette Single Channel Variable volume 20-200 ul	6		
		Micropipette Single Channel Variable volume 100-1000 ul	6		
		Micropipette Fixed volume Single Channel 5 ul	6		
		Micropipette Fixed volume Single Channel 10 ul	6		
		Micropipette Fixed volume Single Channel 50 ul	6		
		Micropipette Fixed volume Single Channel 100 ul	6		
		Micropipette Fixed volume Single Channel 1000 ul	6		
		Micropipette Multichannel 5-50 ul	5		
		Micropipette Multichannel 30-300 ul	5		
9	3000002277	Stepper Pipette Single channel	1	2,000	590
32	3000002435	Autoclave Horizontal	2	56,000	1,180
		a) Autoclave Vertical	4		
		b) Autoclave Vertical	2		
		Egg Incubator	1		
		Lyophilizer	1		

(2)

Sl. No.	Description	Schedule
c.	Closing date & time for submission of online bids	11.12.2017, 18:00 PM
d.	Closing date & time for submission of tender processing fee and EMD in physical form*	12.12.2017, 14:00 PM
e.	Time and date of opening of online bids	12.12.2017, 14:30 PM

**SECTION - VI
LIST OF REQUIREMENTS**

Existing:

SI No	RFx No	Equipments	Quantity	Warranty	CMC
1	3000002269	Autoclave Horizontal	2	03 Years	05 Years
		a) Autoclave Vertical	4		
		b) Autoclave Vertical	2		
		Egg Incubator	1		
		Hot Air Oven	4		
		Hybridizing Oven	1		
		Incubator – A	2		
		Incubator – B	6		
		Incubator – C	2		
		Lyophilizer	1		
		Routine Water Bath	4		
5	3000002273	Binocular Microscope	20		
		Binocular Microscope with Camera & CCD attachment.	2		

SI No	RFx No	Equipments	Quantity	Warranty	CMC
7	3000002275	Micropipette Single Channel Variable volume 0.2-2 ul	6		
		Micropipette Single Channel Variable volume 2-20 ul	6		
		Micropipette Single Channel Variable volume 5-50 ul	6		
		Micropipette Single Channel Variable volume 10-100 ul	6		
		Micropipette Single Channel Variable volume 20-200 ul	6		
		Micropipette Single Channel Variable volume 100-1000 ul	6		
		Micropipette Fixed volume Single Channel 5 ul	6		
		Micropipette Fixed volume Single Channel 10 ul	6		
		Micropipette Fixed volume Single Channel 50 ul	6		
		Micropipette Fixed volume Single Channel 100 ul	6		
		Micropipette Fixed volume Single Channel 1000 ul	6		
		Micropipette Multichannel 5-50 ul	5		
		Micropipette Multichannel 30-300 ul	5		
9	3000002277	Stepper Pipette Multichannel	1		

Read as:

Sch. No.	Event No.	Equipment	Quantity	Warranty	CMC
1	3000002269	Hot Air Oven	4		
		Hybridizing Oven	1		
		Incubator – A	2		
		Incubator – B	6		
		Incubator – C	2		
		Routine Water Bath	4		
5	3000002273	Binocular Microscope	20	03 Years	05 Years
		Trinocular Microscope with Camera & CCD attachment.	2		
7	3000002275	Micropipette Single Channel Variable volume 0.2-2 ul	6		
		Micropipette Single Channel Variable volume 2-20 ul	6		
		Micropipette Single Channel Variable volume 10-100 ul	6		
		Micropipette Single Channel Variable volume 20-200 ul	6		
		Micropipette Single Channel Variable volume 100-1000 ul	6		
		Micropipette Fixed volume Single Channel 5 ul	6		
		Micropipette Fixed volume Single Channel 10 ul	6		
		Micropipette Fixed volume Single Channel 50 ul	6		
		Micropipette Fixed volume Single Channel 100 ul	6		
		Micropipette Fixed volume Single Channel 1000 ul	6		
		Micropipette Multichannel 5-50 ul	5		
Micropipette Multichannel 30-300 ul	5				
9	3000002277	Stepper Pipette Single channel	1		
32	3000002435	Autoclave Horizontal	2		
		a) Autoclave Vertical	4		
		b) Autoclave Vertical	2		
		Egg Incubator	1		
		Lyophilizer	1		

SECTION - VII**A. TECHNICAL SPECIFICATION:**

Schedule No: 01:-RFX 300002269		
Para	TENDER SPECIFICATION	AMENDED SPECIFICATION
	Schedule No: 01 All Tems Autoclave Horizontal a) Autoclave Vertical b) Autoclave Vertical Egg Incubator Hot Air Oven Hybridizing Oven Incubator - A Incubator - B Incubator - C Lyophilizer Routine Water Bath	Items Deleted form Schedule No 1 Autoclave Horizontal a) Autoclave Vertical b) Autoclave Vertical Egg Incubator Lyophilizer
	Hot Air Oven	
	4. It is fitted with heavy hinges with a ball catcher, spring loaded door closing device. Door is duly insulated.	It is fitted with heavy hinges with a ball catcher, spring loaded door closing device. Door is duly insulated, Doors can be opened 150- 180° making these units easy to access
	6. Temperature is controlled from 50°C to 250°C ± 1°C. Temperature control knob is graduated in centigrade degrees.	Temperature is controlled from 50°C to 250°C ± 5%. Temperature control knob is graduated in centigrade degrees.
	10. Should provide with air ventilations.	Should provide with air ventilations, damper available at the back
1	17. CE (Conformité Européenne) / US FDA certified.	CE (Conformité Européenne) / US FDA /BIS certified
	Hybridization oven	
1		Added para:- CE (Conformité Européenne) / US FDA /BIS certified
	INCUBATOR LAB TECHNICAL (355×355×355 mm).	
	1. Should be operated on 230V,50Hz single phase AC supply, and having temperature ranging from ambient to 60°C	1. Should be operated on 230V,50Hz single phase AC supply, and having temperature ranging from ambient to 60°C or more.
	3. Inner chamber should be fabricated with ribs for adjusting shelves to convenient height. 4. Should have a minimum of chamber size of (L*B*H) of 355 × 355 × 355 mm.	4. Should have a minimum of chamber size of (L*B*H) of 355 × 355 × 355 mm or more
	6. Should have air circulating fan (Which can be turn ON/OFF on demand) for uniform temperature on all shelves.	Should have air circulating fan /gravity convection (Which can be turn ON/OFF on demand) for uniform temperature on all shelves.
		Added para:- 1 Automatic over temperature alarm, 2.Easy calibration routine
	INCUBATOR LAB TECHNICAL SPECIFICATIONS (455 × 605 × 455 mm)	
	1. Should be operated on 230V,50Hz single phase AC supply, and having temperature ranging from ambient to 60°C	Should be operated on 230V,50Hz single phase AC supply, and having temperature ranging from ambient to 60°C or more.
	Should have a minimum of chamber size of (L*B*H) of 455 × 605 × 455 mm.	Should have a minimum of chamber size of (L*B*H) of 455 × 605 × 455 mm or more
	Should have air circulating fan (Which can be turn ON/OFF on demand) for uniform temperature on all shelves.	Should have air circulating fan /Dual convection (Which can be turn ON/OFF on demand) for uniform temperature on all shelves.
	points to be incorporated	Added para:- 1 Automatic over temperature alarm, 2.Easy calibration routine

INCUBATOR (All three)		
1	Additional	European CE certified (from notified body) / US FDA/BIS certified.
Lyophilizer		
1	1. Capacity - Approx. 3.5 ltrs.	Capacity - Approx. 3.5 ltrs. or more.
	9. Condenser trap should be stainless steel with dished bottom for complete effluent removal.	Condenser trap should be stainless steel with dished bottom/ Upright stainless steel coil. for complete effluent removal.
	10. Vacuum drum should have 6 ports made of stainless steel.	Vacuum drum should have 10-12 ports.
Routine water bath		
	CE (ConformitéEuropéenne)/US FDA certified.	European CE certified (from notified body) / US FDA/BIS certified.
Schedule No: 02:-RFX 300002270		
Para	TENDER SPECIFICATION	AMENDED SPECIFICATION
	Class II, Type A2 Biological Safety Cabinet 21. Accessories if required: • Universal Piping to top, side and bottom, up to two pre-plumbed	Deleted
	Class II, Type A2 Biological Safety Cabinet, 21. Accessories if required: • Universal Piping totop, side and bottom, uptotwopre-plumbed	Deleted
	Class II, Type A2 Biological Safety Cabinet 21. Accessories if required: • Universal Piping totop, side and bottom, uptotwopre-plumbed	Deleted
	Class II, TypeB2BiologicalSafety Cabinet. 11. Corrosion resistant ball valve for drain from trough beneath the work surface. 21. Accessories if required: • Universal Piping totop, side and bottom, uptotwopre-plumbed	Deleted
Schedule No: 03:-RFX 300002271		
Para	TENDER SPECIFICATION	AMENDED SPECIFICATION
1. Bench Top Laboratory Micro Centrifuge (non refrigerated)		
3	Dual rotor 18x2 ml plus 18x0.5ml for simultaneous run of two different volumes without using adapters	18x1.5/2 ml plus 18x0.5ml for simultaneous run of two different volumes with the help of adapters.
4	Time selection: 10sec, 11hr 59min	May be amendas:-" Timer should be 30 sec to 9 hrs 59 min with continous function"
9	10 Programmable memory	Deleted
16	CE(ConformitéEuropéenne)/US FDA certified	CE (ConformitéEuropéenne)/US FDA certified and IVD certification Added para:-"All the rotors should be fully autoclable."
2. Microcentrifuge (Refrigerated)		
4	Angle rotor: Polypropylene 24 x 1.5 ml. or Dual row rotor with same capacity/ volume	Angle rotor: Polypropylene/ mettalic 24 x 1.5/2 ml. or Dual row rotor with same capacity/ volume
5	Polysulfone lid or equivalent	Mettalic lid /Polysulfone lid with certied aerosol tightness
9	Storage of 10 programs or more	Deleted
13	13. Imbalance System & Selectable Acoustic Alarms	Deleted
14	14. Auto balancing in situation of minor imbalance	Deleted
20	CE(ConformitéEuropéenne)/US FDA certified	CE (ConformitéEuropéenne)/US FDA certified and IVD certification Added para:-"All the rotors should be fully autoclable."
3. Table Top Refrigerated Centrifuge for molecular Biology		
3	Should be able to accommodate both angle rotors and swing bucket,	Should be able to accommodate both angle rotors and swing bucket, 1. 1.5- 2ml x 24 tubes Micro Plate Rotor for 96 wells Plate. 1. 50 ml conical tube 8x50ml. 2. 15 ml conical tube 8x15 ml.
14	14. The Centrifuge should have a feature to install and remove rotor	It should be easy-to-operate and convenient; Rotor shall be

	without tool in less than 5 seconds with just a push of a button for quick and easy change of rotors for different application	installed and removed.
15	Simple operation with facility of auto locking to prevent changing of run parameters.	Deleted
		Added para:- "All the rotors should be fully autoclable."
4. Table Top Centrifuge for serology		
1	It should be available for a wide range of tubes from micro-tubes up to 24x15mL and interchangeable tubes of various sizes	May be amended as:-"It should be available for a wide range of tubes from micro-tubes up to 24x15mL and interchangeable tubes of various sizes rotor adapters for 24x15 ml conical tubes, 5-7 ml vaccutainers."
3	It should be easy-to-operate and convenient; Rotor shall be installed and removed with no tools in less than 5 seconds	It should be easy-to-operate and convenient; Rotor shall be installed and removed."
4	There should be 10 program memories (3 channels) for repeated routine operations.	Deleted
16	CE(ConformitéEuropéenne)/US FDA certified	CE (ConformitéEuropéenne)/US FDA certified and IVD certification
		Added para:- "All the rotors should be fully autoclable."
Schedule No: 05:- RFX 300002273		
Binocular Microscope		
Para	TENDER SPECIFICATION	AMENDED SPECIFICATION
4	Objective : Three objectives 10x, 40x, 100x, 10x and 40x objectives should have numerical apertures of 0.25 and 0.65 respectively and should be of spring loaded type or otherwise. 100x should have numerical aperture of 1.25 and should be of oil immersion and spring loaded type. Unbreakable containers to be provided for storing the objectives. All objectives should be wide field, achromatic and parfocal. Parfocal & Centered objective to minimize use of the fine focusing and stage control knobs during objectives change-over.	May be amend as:-" Objective : Four objectives 4x (Scanner) ,10x, 40x, 100x. 4x, 10x and 40x objectives should have numerical apertures of 0.10, 0.25 and 0.65 respectively and 40x objective & 100x should be of spring loaded type or otherwise. 100x should have numerical aperture of 1.25 and should be of oil immersion and spring loaded type. Unbreakable containers to be provided for storing the objectives. All objectives should be wide field Plan achromatic and parfocal. Parfocal & Centered objective to minimize use of the fine focusing and stage control knobs during objectives change-over."
5	Nose piece: Revolving nose piece to accommodate a minimum of three/ four objectives with click stops. It should be provided with ribbed grip for easy rotation mounted on a precision ball bearing mechanism for smooth and accurate alignment.	May be amend as:-" Nose piece: Revolving nose piece to accommodate a minimum four objectives with click stops. It should be provided with ribbed grip for easy rotation mounted on a precision ball bearing mechanism for smooth and accurate alignment."
6	Stage: Uniformly horizontal, mechanical stage having dimensions of length 140mm(+/- 20mm) with fine vernier graduations (minimum reading accuracy of 0.1 mm). The stage should be provided with spring loaded slide holder for exact positioning of specimen/ slide. The stage should have ball bearing arrangement to allow smooth travel in transverse directions i.e. 80mm(+/-5mm) and front to back direction, 50mm(+/-5mm)	Stage: Uniformly horizontal, mechanical stage having dimensions of length 135mm(+/- 20mm) with fine vernier graduations (minimum reading accuracy of 0.1 mm). The stage should be provided with spring loaded slide holder for exact positioning of specimen/ slide. The stage should have ball bearing arrangement to allow smooth travel in transverse directions i.e. 80mm(+/-5mm) and front to back direction, 50mm(+/-5mm)
8	5. The fuse for the halogen lamp should be easily accessible to the operator. 6. The Illuminator should have a built-in field diaphragmfor Kohler illumination	Deleted
9	Eye piece tubes: Binocular eye piece tubes, inclined at 45 degrees, rotatable through an angle of 360 degrees, having inter-pupillary distance range of 54-74mmor wider, covering the above mentioned range	Eye piece tubes: Binocular eye piece tubes, inclined at 45 degrees, rotatable through an angle of 360 degrees, having inter-pupillary distance range of 54-74mm(±1 mm) or wider, covering the above mentioned range

11	General. 4. Each Microscope should be supplied with Blue filters. The Blue filter should be packed in the box and not fixed on the Microscopes.	Deleted
	Each microscope should be supplied with spare parts as under: •100x oil immersion objective – one. •LED bulb– 6 Nos. •Fuses – 6 Nos.	Deleted
Binocular Microscope with a suitable camera & CCD attachment		
TENDER SPECIFICATION		AMENDED SPECIFICATION
Binocular Microscope with a suitable camera & CCTV attachment		Trinocular Microscope with suitable camera
4	Objective : Three objectives 10x, 40x, 100x, 10x and 40x objectives should have numerical apertures of 0.25 and 0.65 respectively and should be of spring loaded type or otherwise. 100x should have numerical aperture of 1.25 and should be of oil immersion and spring loaded type. Unbreakable containers to be provided for storing the objectives. All objectives should be wide field, achromatic and parfocal. Parfocal & Centered objective to minimize use of the fine focusing and stage control knobs during objectives change-over.	May be amend as:-" Objective : Four objectives 4x (Scanner) ,10x, 40x, 100x. 4x, 10x and 40x objectives should have numerical apertures of 0.10, 0.25 and 0.65 respectively and 40x objective & 100x should be of spring loaded type or otherwise. 100x should have numerical aperture of 1.25 and should be of oil immersion and spring loaded type. Unbreakable containers to be provided for storing the objectives. All objectives should be wide field Plan achromatic and parfocal. Parfocal & Centered objective to minimize use of the fine focusing and stage control knobs during objectives change-over."
5	Nose piece: Revolving nose piece to accommodate a minimum of three/ four objectives with click stops. It should be provided with ribbed grip for easy rotation mounted on a precision ball bearing mechanism for smooth and accurate alignment.	May be amend as:-" Nose piece: Revolving nose piece to accommodate a minimum four objectives with click stops. It should be provided with ribbed grip for easy rotation mounted on a precision ball bearing mechanism for smooth and accurate alignment."
6	Stage: Uniformly horizontal, mechanical stage having dimensions of length 140mm(+/- 20mm) with fine vernier graduations (minimum reading accuracy of 0.1 mm). The stage should be provided with spring loaded slide holder for exact positioning of specimen/ slide. The stage should have ball bearing arrangement to allow smooth travel in transverse directions i.e. 80 mm(+/-5mm) and front to back direction, 50mm (+/-5mm)	May be amend as:-" Stage: Uniformly horizontal, mechanical stage having dimensions of length 135mm(+/- 20mm) with fine vernier graduations (minimum reading accuracy of 0.1 mm). The stage should be provided with spring loaded slide holder for exact positioning of specimen/ slide. The stage should have ball bearing arrangement to allow smooth travel in transverse directions i.e. 80mm(+/- 5mm) and front to back direction, 50mm(+/-5mm)"
9	Eye piece tubes: Binocular eye piece tubes, inclined at 45 degrees, rotatable through an angle of 360 degrees, having inter-pupillary distance range of 54-74 mm or wider, covering the abovementioned range	Eye piece tubes: Binocular eye piece tubes, inclined at 45 degrees, rotatable through an angle of 360 degrees, having inter-pupillary distance range of 54-74mm(± 1 mm) or wider, covering the above mentioned range
10	Focusing knob: Co-axial coarse and fine focusing knobs capable of smooth fine focusing movement over the full range of coarse travel. The fine focusing movement should have sensitivity of two microns or less (finer) over the entire coarse focusing	Focusing knob: Co-axial coarse and fine focusing knobs on both sides capable of smooth fine focusing movement over the full range of coarse travel. The fine focusing movement should have sensitivity of two microns or less (finer) over the entire coarse focusing
11	General 4.EachMicroscope should be supplied with Blue filters. The Blue filter should be packed in the box and not fixed on theMicroscopes.	Deleted
12	Each microscope should be supplied with spare parts as under: •100x oil immersion objective – one.	Deleted

	•LED bulb– 6 Nos. •Fuses – 6 Nos.	
22	HD camera, computer attachment & LED Monitor 14 inch	3MP or better CMOS/CCD Camera , with computer attachment & LED Monitor 14 inch or better. (scientific grade camera)
Schedule No: 06:-RFX 300002274		
Para	TENDER SPECIFICATION	AMENDED SPECIFICATION
	Items No 01 Beaker Shaker	Added Para:- Flask Requirement as per Blow 125ml 2no 250ml 4no 500ml 4no 1000ml 2no 2000ml 2no
Schedule No: 07 RFX 300002275		
Para	TENDER SPECIFICATION	AMENDED SPECIFICATION
Micropipette Single Channel Variable Volume (0.2 - 2 µl)		
4	Accuracy - $\geq 95\%$	Accuracy need to be defined as $\pm 7 - 12\%$ relative error
6	Tip holder and tip ejector are fully autoclavable to avoid cross contamination	Complete pipette to be fully autoclavable
13	Large easy to read display	May amend as:-" Large easy to read four digit display
18	CE (ConformitéEuropéenne)/ US FDA certified	CE (ConformitéEuropéenne)/ US FDA certified with IVD approved product.
Micropipette Single Channel Variable Volume (2 - 20µl)		
4	Accuracy - $\geq 95\%$	Accuracy need to be defined as $\pm 0.3- 1.5\%$ relative error.
6	Tip holder and tip ejector are fully autoclavable to avoid cross contamination	Complete pipette to be fully autoclavable
13	Large easy to read display	Large easy to read four digit display
18	CE (ConformitéEuropéenne)/ US FDA certified	CE (ConformitéEuropéenne)/ US FDA certified with IVD approved product.
Micropipette Single Channel Variable Volume (5 - 50ul)- Deleted		
	TENDER SPECIFICATION	AMENDED SPECIFICATION
	Single Channel Fixed Volume Micropipette (5ml)	
3	Increment - ≥ 0.1 ml	Deleted
4	Accuracy - $\geq 95\%$	Deleted
	Single Channel Fixed Volume Micropipette (10 ml)	
3	Increment - ≥ 0.1 ml	Deleted
4	Accuracy - $\geq 95\%$	Deleted
	Single Channel Fixed Volume Micropipette (50 ml)	
3	Increment - ≥ 0.1 ml	Deleted
4	Accuracy - $\geq 95\%$	Deleted
	Single Channel Fixed Volume Micropipette (100 ml)	
3	Increment - ≥ 0.1 ml	Deleted
4	Accuracy - $\geq 95\%$	Deleted
	Single Channel Fixed Volume Micropipette (1000 ml)	
3	Increment - ≥ 0.1 ml	Deleted
4	Accuracy - $\geq 95\%$	Deleted
Schedule No: 08 Electronic pipettes digitally adjustable		
Para	TENDER SPECIFICATION	AMENDED SPECIFICATION
12	Volume range : 0.5- 10 ul, 10-50 ul , 10-100ul, 100-1000ul.	May amend as:-" Volume range : 0.5- 10 ul, 10-100ul, 100-1000ul."
Schedule No: 09 Stepper Pipettes (Multichannel) :- Read as:-" Stepper Pipettes (Single channel)		

Para	TENDER SPECIFICATION	AMENDED SPECIFICATION
3	Number of channels 08 (eight)	Deleted
Schedule No: 14:- CO2 Incubator with CO2 Cylinders and regulator		
Para	TENDER SPECIFICATION	AMENDED SPECIFICATION
1	Air heated/Direct Heat with internal capacity 150 L to 200 L	No change
2	The unit shall be capable of operating continuously in ambient temperature of 10 -45°C and relative humidity of 15-90%.	No change
7	Temperature range: +5° C above ambient to +80°C	May Amend as:-" Temperature range should be +5° C above ambient to +60°C or more.
8	Temp Accuracy $\pm 0.5^\circ\text{C}$ of required temp, with inbuilt Temperature Sensor.	Temp Accuracy $\pm 0.5^\circ\text{C}$ of required temp, with inbuilt TC/IR Sensor (Non removable and sensor should be covered under warranty and CMC) .
		Added Para:- " The incubator should incorporate automated overnight (under 12 hours) high temperature Decontamination ."
Schedule No: 15:- Deep Freezer (-80 Deg. C)		
Para	TENDER SPECIFICATION	AMENDED SPECIFICATION
2	Not less than 800 Liters Capacity.	Capacity :- Not less then 800 L capacity with atleast 2 ml sample capacity of 50,000 or more.
14	Freezer should be quoted with CO2 Backup along with CO2 cylinder.	Freezer should be quoted with CO2 Backup along with CO2 cylinder (30 Liter water capacity).
Schedule No: 16:- Deep Freezer (-20 Deg. C)		
Para	TENDER SPECIFICATION	AMENDED SPECIFICATION
11	11. Double door with 4-5, thick epoxy plastic coated shelves. Each shelf to be provided with an inner door to prevent unnecessary temperature fluctuations	May be amended as:-" Single door with 4-5, thick epoxy plastic coated shelves. Each shelf to be provided with an inner door to prevent unnecessary temperature fluctuations
Schedule No: 19:- Elisa Reader And Washer		
Para	TENDER SPECIFICATION	AMENDED SPECIFICATION
7	Dynamic range: 0-3.0 OD	Dynamic range: 0-4.0 OD
16	Light source: tungsten halogen.	Light source: LED/Tungsten halogen
17	Internal thermal printer and 5 rolls of thermal should be supplied along with the unit.	Deleted.
18	Suitable external printer with analysis software should be provided.	Suitable computer with external printer and analysis software should be provided.
26	CE (ConformitéEuropéenne)/US FDA certified.	CE (ConformitéEuropéenne)/US FDA certified with IVD certified
1	Elisa Washer Microplate types : 96 well plates and strips Standard height and low profile, Solid and filter bottom Filter pore sizes: 0.45 mM to 1.2 mM	Microplate types : 96 well plates and strips
8	Buffer selection : Automatic switching for up to three wash buffers	Deleted.
17	CE (ConformitéEuropéenne)/US FDA certified.	CE (ConformitéEuropéenne)/US FDA certified with IVD certified
Schedule No: 20:- FLUORESCENT MICROSCOPE		
Para	TENDER SPECIFICATION	AMENDED SPECIFICATION
4	Illumination Transmitted : LED Illumination to provide cool white light with a life time of over 20years of average use. & 6000K temp.	Illumination Transmitted : LED Illumination to provide cool white light with a life time of over 20years of average use.
7	Auto off: Auto Switch Off If microscope remains untouched	Deleted
8	Fluorescence Attachment: (Solid State Fluorescence Light Source), complete LED illumination device for fluorescence applications. One excitation wavelength, 470 nm (blue), optimized for FITC analyses, including power supply, to be used with 13 fluorescence filter set.	Fluorescence Attachment: (Solid State Fluorescence Light Source), complete LED illumination device for fluorescence applications. One excitation wavelength, 470 nm (blue), optimized for FITC analyses, including power supply.
	color camera with CMOS sensor (1/2")	Color camera with CMOS/CCD sensor (1/2").
	Max scaled resolution 7 M pixels, 3072x2304	Max scaled resolution 5 M pixels, 3072x2304, with scientific grade Camera
	Software : Automatic calibration , point to point measurement , annotation etc.	Software : point to point measurement , annotation etc.
	Microscope, camera and software should be from same	Deleted

manufacturer		
Schedule No: 22 Gel Documentation system with Chemiluminescence		
Tender Para	TENDER SPECIFICATION	AMENDED SPECIFICATION
1	16-bit, 4.2 megapixel; thermoelectrically regulated at -25°C (±0.1),	16-bit, 5 megapixel or better; thermoelectrically regulated at -15 °C (±0.1).
Schedule No: 24 INVERTED MICROSCOPE		
Para	TENDER SPECIFICATION	AMENDED SPECIFICATION
2	High quality optical components including minimum of 5 W Cool LED illumination with 2 hour auto switch-off function . Up to 20 years life cycle (40 working hrs / week) per lamp under regular conditions, as shown in product document.	High quality optical components including minimum of 5 W Cool LED illumination. Up to 20 years life cycle (40 working hrs / week) per lamp under regular conditions, as shown in product document."
3	Auto intensity for switching between Brightfield and Phase contrast.	Deleted
8	Objectives to be provided: Objective PLAN 5x/0.12 PH0 Objective PLAN 63x/0.65	Objectives to be provided: Objective PLAN 4x/5x PH0" Objective PLAN 60x/63x."
10	High Definition Digital Camera: Digital color camera with CMOS sensor; stand- alone operation without PC should be possible. High definition live image 1920 x 1080p, 30fps - JPG capture images with 2.5 M pixels or better. Remote and SD card to capture vibration free operation. Should provide direct image on HD monitor without PC.	High Definition Digital Camera: Digital color camera with CMOS/CCD sensor; stand- alone operation without PC should be possible. High definition live image 1920 x 1080p, 30fps - JPG capture images with 5 M pixels or better. SD card to capture vibration free operation. Should provide direct image on HD monitor without PC. Scientific Grade Camera"
Schedule No: 27 Two units of Real Time PCR along with one unit automated nucleic Acid Extraction System		
Para	TENDER SPECIFICATION	AMENDED SPECIFICATION
	• The system should have a 0.2 ml capacity 96 well based Heating Block with peltier elements to ensure uniform temperature measurement across the plate with no edge effect.	• The system should have a 0.2 ml capacity 96 well Peltier Block/ 96Well Rotary Based to ensure uniform temperature measurement across the plate with no edge effect.
	• The system should use high intensity LED lamp or Xenon lamp (400 to 710nm) an Excitation source with a cooled CCD camera to detect fluorescence from all kind of dyes that are commercially available	• The system should use high intensity LED lamp or Xenon lamp (400 to 710nm) an Excitation source with a cooled CCD camera/ PMT to detect fluorescence from all kind of dyes that are commercially available
	The system should be programmable between temperature ranges of 40 - 99°C, and should also come with heating lid to avoid sample evaporation at high temperatures without the need of any overlay of oil / wax.	The system should be programmable between temperature ranges of 4 °C- 99°C, and should also come with heating lid to avoid sample evaporation at high temperatures without the need of any overlay of oil / wax.
Schedule No: 32:- RFX No. 300002435		
	Autoclave Horizontal a) Autoclave Vertical b) Autoclave Vertical Egg Incubator Lyophilizer	
Para	TENDER SPECIFICATION	AMENDED SPECIFICATION
	Autoclave Horizontal	
1	23. CE (Conformité Européenne) / US FDA certified.	CE (Conformité Européenne) / US FDA /BIS certified
	Autoclave Vertical	
1	16. Cycle Programs : · Pre and Post Vacuum control (optional)	optional word or give a separate column , will be given
	21.CE (ConformitéEuropéenne)/ US FDA certified.	CE (Conformité Européenne) / US FDA /BIS certified
1	16. Cycle Programs : · Pre and Post Vacuum control (optional)	No Change
	21.CE (ConformitéEuropéenne)/ US FDA certified.	CE (Conformité Européenne) / US FDA /BIS certified
	Egg Incubator	
1	CE (ConformitéEuropéenne)/US FDA certified.	CE (Conformité Européenne) / US FDA /BIS certified

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