

Corrigendum against the NIT No.RCB/ATN/12-26/18-19

Subsequent to the pre-bid meeting held with the prospective bidders on 04-07-2018, the specifications for various items were reviewed in the light of the points raised by the prospective bidders for the respective items and few changes are made in the technical specifications for the following items as under :-

Tender Ref.	Item / Equipment	Original point in tender	Amendment / New addition
RCB/ATN/12/18-19	Stereo Microscope	The eyepieces 10x/23 mm (or more) field view (x2) should have adjustable diopters and should be suitable for eyeglass wearers and non eyeglass wearers.	The eyepieces 10x/22 mm (or more) field view (x2) should have adjustable diopters and should be suitable for eyeglass wearers and non eyeglass wearers.
		1X objective should be apochromat with NA 0.1 or better having a working distance of 90 mm or better.	1X objective should be apochromat with NA 0.1 or better having a working distance of 70 mm or better.
		The bidder must provide at least 15 satisfactory performance certificates for the similar model installed in reputed institutions.	The bidder must provide at least 3 satisfactory performance certificates for the similar model installed in reputed institutions.
		*New point added	At least 15 installation reports must be provided
RCB/ATN/13/18-19	Lyophilizer	Imported Quality Compact CE / EU certified Bench top complete working configuration Freeze Dryer / Lyophilizer with at least minimum specification as below:	Compact CE / EU certified Bench-top/Floor complete working configuration Freeze Dryer / Lyophilizer with at least minimum specification as below:
		Ice Condenser: Ice condenser and cooling coil Made of SS 316/304, with teflon coating. Volume capacity approx: 6 litres (or more), condensing speed should be at least 4 kg/lit (or more) in 24 hour.	Ice Condenser: Ice condenser made of SS 316/304, but for SS 304, teflon coating is a must. Volume capacity approx: 6 litres (or more), condensing speed should be at least 4 kg/lit (or more) in 24 hour.
		System should have fast hot-gas defrost and drain valve for cleaning/ decontamination.	System should have fast Auto defrost and drain valve for cleaning/ decontamination.
		System should have Tool to determine End Point either Via Pressure OR Temperature. No Manual Determination	System should have Tool to determine End Point either Via Pressure OR Temperature. A manually determining tool must be covered in 5 years warranty.

		System should have SS/Acrylic drying chamber with 12 ports or more with controlled rubber valves to hold round bottom flask and other accessories.	System should have SS drying chamber with visibility from top and with 12 ports or more with controlled rubber valves to hold cylindrical flasks and other accessories.
		Product temperature monitoring and control based on vacuum.	*Removed
		Multiple step programmable system: Freezing, vacuum pump warmup, main drying and final Drying, defrosting etc.	*Removed
		System must have three shelves of diameter of minimum 150 mm or bigger for drying in plates/ dishes	System must have three shelves of diameter of minimum 200 mm or bigger for drying in plates/ dishes
		*Clarification for flasks	<ul style="list-style-type: none"> • All the flasks to be provided must be cylindrical flasks (with deep bottom curves). Round bottom flasks are not required. • Only 150 mL and 300 mL cylindrical flasks are required (12 nos. each) • 30 nos. Hard glass (borosilicate) tubes (1.5 mL / 2 mL) are to be provided as well • Material of the flasks must be 'borosilicate' hard glass (Proof document to be provided) • 500 nos. of respective sized filters must be provided for each type of flasks (with different volume capacities mentioned)
		*Clarification on Activated carbon / Charcoal solvent trap or Easy to fit standard filters (10000 nos.) requirement	Activated carbon / charcoal solvent trap is a must along with easy to fit standard filters (500 nos. for each type of flask volume) *If abovementioned secondary trap is not principal OEM's, other manufacturer's secondary

			trap would be allowed.
		*New point added	All accessories, rubber parts, any kind of rubber seals should be covered under warranty and all must be acid resistant as well
		*New point added	All accessories quoted including flasks should be from same OEM (Original Equipment Manufacturer). Proof documents must be provided.
		*New point added	At least 3 nos. of performance certificates must be provided
RCB/ATN/16/18-19	Gel Documentation System	Effective imaging area: not less than 21 cm (W) x 16 cm (H) (for UV, white light and Chemi applications)	Effective imaging area: not less than 20 cm (W) x 15 cm (H) (for UV, white light and Chemi applications)
		System should be supplied with universal tray for Chemiluminescence and DNA analysis applications and white light tray for protein gels. Both Trays should have imaging area not less than 21 x 16cm	System should be supplied with universal tray for Chemiluminescence and DNA analysis applications and white light tray for protein gels. Both Trays should have imaging area not less than 20 x 15cm
		System should have options for choosing automatic or manual exposure and adjust the binning levels for Chemiluminescence applications. System should be able to capture multiple Chemi images with user defined range of exposure times.	System should have options for choosing automatic or manual exposure and adjust the binning levels (up to 4x4) for Chemiluminescence applications. System should be able to capture multiple Chemi images with user defined range of exposure times.
		Motorized zoom lens with f/0.95 or better should be provided.	Motorized lens with f/0.95 or better should be provided.
		CCD cooling: -10°C absolute or better	Peltier based CCD cooling: -15°C absolute or better
		For Fluorescence, there must be an appropriate illumination source covering a good range of RGB	For RGB Fluorescence, there must be an appropriate LED illumination source with 3-color multiplexing option and corresponding filters
		The system should have all the specified (documented) appropriate filters for DNA, Chemi and Fluorescence.	The system should have all the specified (documented) appropriate filters for DNA analysis, Chemiluminescence,

			Fluorescence, IR and near-IR
RCB/ATN/17/18-19	Rotary Evaporator (with vacuum pump and controller)	Lift height indication should be digitally/scale based indicated on heating bath with 2 Lift Speeds.	*Removed
		Vertical Glass Assembly as standard but should have availability of 7 different types of condensers like cold trap, reflux and double jacketed.	Vertical Glass Assembly as standard but should have availability of different types of condensers like cold trap, reflux and double jacketed.
		Cooling surface area of 1500 cm ² with extra-large top hole on top of condenser V that allows easy cleaning.	Cooling surface area of 1400 cm ² with extra-large top hole on top of condenser V that allows easy cleaning.
		Earthquake Safety – Lug should be there on backside of bath and rotavapor that enables fixation on Lab Bench.	*Removed
		Wireless contacts on the heating bath (Kettle Technology) both for power supply and communication for better safety.	*Removed
		LCD-display of Heating bath that displays all operating parameters Indicates set and actual values of heating bath temperature, rotation speed and lift position	LCD-display of Heating bath that displays all operating parameters Indicates set and actual values of heating bath temperature and rotation speed
		7 Stages adjustable immersion angle to enable the use of different Flask sizes, for individual application.	*Removed
		<ul style="list-style-type: none"> ☞ Single stroke Speed control vacuum pump with a vacuum capacity of 1.8 m³/h or better ☞ Final vacuum of 5mbar or better 	Single stroke speed control vacuum pump with a final vacuum of 2 mbar or better
RCB/ATN/18/18-19	Cold room	All electrical and mechanical controls of the cold room and machines should be provided and installed by the supplier. Temperature indicator shall be AS controller make.	All electrical and mechanical controls of the cold room and machines should be provided and installed by the supplier. Temperature indicator shall be AS controller/Sub-zero/Carel make.
		*New point added	The bidder must visit site before bidding

RCB/ATN/19/18-19	Weighing balance (Small)	Must have weighing features based on 'single-cell/block' weighing technology principle. Must provide documented evidence for this feature.	Must have weighing features based on 'single-cell/block'; or 'Uniblock' or 'Monoblock' weighing technology principle. Must provide documented evidence for this feature.
RCB/ATN/20/18-19	Weighing balance (Large)	Must have weighing features based on 'single-cell/block' weighing technology principle. Must provide documented evidence for this feature.	Must have weighing features based on 'single-cell/block'; or 'Uniblock' or 'Monoblock' weighing technology principle. Must provide documented evidence for this feature.
RCB/ATN/21/18-19	Liquid Aspiration system – 4 L	Level sensor detecting combined with an acoustic and light signal when the bottle is full and so preventing liquid overflow. Level sensor can be calibrated.	Level sensor detecting combined with an acoustic/light signal when the bottle is full and so preventing liquid overflow. Level sensor can be calibrated.
		4L shatterproof collection bottle for prevention of spills.	4L leakproof/shatterproof collection bottle for prevention of spills.
		Hand operator with an option of a range of multi-channel adapters (stainless steel or with tip ejector) flexibility to aspirate liquids from a wide range of laboratory containers including cell culture vessels, tubes, dishes, bottles, T-Flasks, 24-well and 96-well plates.	Hand operator with an option of a range of multi-channel adapters with tip ejector flexibility to aspirate liquids from a wide range of laboratory containers including cell culture vessels, tubes, dishes, bottles, T-Flasks, 24-well and 96-well plates.
		One-button operation to adjust vacuum for extremely simple use. Vacuum range -300 to -600 mbar or better.	One-button operation to adjust vacuum for extremely simple use. Vacuum control range: Gauge pressure of -300 to -600 mbar or a wider range; or corresponding Absolute vacuum range of 700 mbar to 400 mbar in order to achieve a corresponding absolute vacuum pressure to support at least 2 users.
		If the system has provision for the second aspiration hand controller system for supporting two users at the	System must have provision for the second aspiration hand controller system for supporting two users at the

		same time, all such accessories should be provided with the system.	same time and all such accessories should be provided with the system as standard.
RCB/ATN/24/18-19	Sonicator	LCD display with user prompt.	LCD/Digital display with user prompt.
		*New point added	The equipment should be ISO/CE certified
RCB/ATN/25/18-19	Waterbath – Dual container	Interior : should be made up of 316/304 grade SS with corrosion free coating and rounded corners.	Interior : should be made up of SS 316/304 grade with rounded corners or deep curves.
RCB/ATN/26/18-19	Multimode Plate Readers	*All below mentioned points are applicable to both the systems	
		Clarification for "Quad"	2 excitation and 2 emission
		Fluorescence Performance: Sensitivity – Top Read & Bottom Read – 96 wells ≤ 2.5 pM.	Fluorescence Performance: Sensitivity – Top Read 96 wells ≤ 1 pM & Bottom Read – 96 wells ≤ 5 pM.
		Luminescence Performance: Wavelength range: 400 – 600nm or better	Luminescence Performance: Wavelength range: 400 – 700nm or better
		*New point added	Luminescence Performance: Should be able to perform Spectral Scanning
		System should have dedicated cuvette ports and supplied with 1 pair of quartz cuvette (0.7ml) and 1 pair of quartz cuvette (1ml)	System should have dedicated cuvette ports / cuvette adapter plate and supplied with 1 pair of quartz cuvette (0.7ml) and 1 pair of quartz cuvette (1ml)
		*New point added	Only those bidders will be considered who will qualify in the specifications for both the units.

***Each and every technical specification required must be supported by original company catalogue with respectively highlighted point. If not highlighted in technical brochure/catalogue, the bid will not be allowed.**

For rest of the tendered items in the aforementioned NIT, the technical specifications remain the same (unchanged).