Corrigendum against the NIT No.RCB/ATN/01-11/18-19

Subsequent to the pre-bid meeting held with the prospective bidders on 20-06-2018, 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/01/18-19	**-20°C Refrigerator**	Energy consumption of approximately 12 kWh / 24hrs. or better	Energy consumption must be <2 kWh / 24 hrs.
		Compatible microprocessor controller /audio visual alarm system should be quoted as optional items or standard.	Compatible microprocessor controller, audio visual alarm system, and temperature display should be in-built.
		Should have quick freezing function.	***Removed**
		***New point added**	The quoted model must be CE certified
RCB/ATN/02/18-19	**Benchtop Centrifuge - Small**	Adaptors to be supplied for 0.2 ml and 0.5 ml tubes	Adaptors to be supplied for 0.2 ml and 0.5 ml tubes for fixed angle 24x1.5/2 mL rotor
RCB/ATN/03/18-19	**Refrigerator (4°C)**	Energy consumption or Input power should not be more than 250 Watt.	Energy consumption must be <2 kWh / 24 hrs.
		Compatible microprocessor controller /audio visual alarm system should be quoted as optional items or standard.	Compatible microprocessor controller, audio visual alarm system, and temperature display should be in-built.
		***New Point added**	The quoted model must be CE certified
RCB/ATN/04/18-19	**Refrigerated Table top centrifuge - Large**	Swing Bucket Rotor-at least RCF 3200xg and RPM at least 3600 min^{-1} with High capacity swing out rotors (total working capacity 4x1000ml or more): Appropriate number of buckets and adaptors should be provided to centrifuge: 50ml Conical tubes, 15ml conical tubes, 1000 ml bottles (4 nos.), 750ml bottles (4 nos.), adapters for 500ml and 250ml corning bottles. (4 nos.	Swing Bucket Rotor-at least RCF 3200xg and RPM at least 3600 min^{-1} with High capacity swing out rotors (total working capacity 4x1000ml or more): Appropriate type of buckets and adapters (4 nos. each) must be provided to centrifuge 50ml Conical tubes, 15ml conical tubes, 1000 ml bottles, 750ml bottles,

		each). 1000 ml bottles should be provided (4 nos.) Aerosol tight / Biocontainment lid should be provided.	500ml and 250ml corning bottles. Also, high 'g force' dedicated 750 mL and 1000 ml bottles should be provided (4 nos. each). Aerosol tight / Biocontainment lid should be provided.
RCB/ATN/05/18-19	**High Speed Centrifuge**	Fixed angle rotor 8 x 50 ml, with minimum 25,000 RPM and 75,000g, Fixed angle rotor of 6x1000ml, with minimum 8,000 RPM and 15,000 g and with adapters for 1000ml (if there is no default provision of 1000ml bottles in the rotor), 500ml, 250mL and 100mL should be quoted altogether with the instrument.	Fixed angle rotor 8 x 50 ml, with minimum 25,000 RPM and 75,000g (Adapters for 15 mL must be provided) Fixed angle rotor of 6 x 1000ml, with minimum 8,000 RPM and 15,000g and with adapters for 1000ml (if there is no default provision of 1000ml bottles in the rotor), 500ml and 250mL must be provided with the equipment
		Rotor selection should be possible from the instrument, with automatic, instant rotor identification, rotor exchange mechanism to automatically lock the rotor onto the driver adapter, without a tool or hand-tightening, and safety features that prevent run initiation in the event the rotor is not locked on properly.	Rotor selection should be possible from the instrument, with automatic, instant rotor identification, rotor exchange mechanism to automatically lock the rotor onto the driver adapter, with/without a tool or hand-tightening, and safety features that prevent run initiation in the event the rotor is not locked on properly.
RCB/ATN/06/18-19	**CO_2 Incubator (Cylinder + Regulator)**	The incubator should be stackable, and the cost of components needed for stacking or the stacking kit should be included.	The incubator should be stackable, and the cost of components needed for stacking or the stacking kit should be included (One stacking kit and SS stand must be provided for each unit)
		It should have auto sterilization facility with hot air at temp at least 180°C or higher without removing any internal part such as CO2 sensors or ULPA/HEPA filters (fan-based design).	It should have auto sterilization facility with hot air at temperature at least 180°C or higher without removing CO2 sensor or any other sensor.
RCB/ATN/07/18-19	**Ice Flake Machine**	Production Capacity:	Production Capacity:

		150kg/24 hrs and storage should be 100 kg or more	150kg/24 hrs and appropriate storage
		Machine should be AglON Silver Antimicrobial product protection certified.	Machine should be with AglON Silver Antimicrobial protection.
RCB/ATN/08/18-19	**Incubator Shaker**	Programmable controller for speed up/down as well as temperature up/down on a timed basis, with large display and multistep programmable shaking time and temperature feature	Programmable controller for speed up/down as well as temperature up/down on a timed basis, with large display.
		Incubator shaker should have stackable provision, parts of which (stacking kit) should be included within.	The incubator shaker should be stackable, and the cost of components needed for stacking or the stacking kit should be included (One stacking kit and SS stand must be provided for each unit)
		Should come with six number of all the clamps to fix different volume flask (100ml , 250 ml , 500ml ,1000ml and 2000ml)	Should come with the clamps to fix different volume flasks (100ml / 125ml , 250 ml , 500ml ,1000ml and 2000ml) – 6 nos. clamps for each volume must be included per each unit.
RCB/ATN/09/18-19	**Freezer (- 80°C)**	Freezer must be 545 liters or above in capacity and must hold at least 400 boxes or more, of 2" height to accommodate approx. 40,000 vials or more	Freezer must be 530 liters or above in capacity and must hold at least 400 boxes or more, of 2" height to accommodate approx. 40,000 vials or more
		Must have a fully programmable microprocessor controlled with membrane keypad and control panel.	Must have a fully programmable microprocessor controlled with membrane keypad / touch screen and control panel.
		Freezer should have minimum four insulated doors giving access to adjustable shelves with at least 4 removable and washable magnetic shelf doors.	Freezer should have minimum four lockable insulated doors.
		Freezer should be energy efficient and with low noise level (<60 dB). It should not be more than 9.8 KWh/day in standard mode of operation and must be specified in the	Freezer should be energy efficient and with low noise level (<60 dB). It should not be more than 10 KWh/day in standard mode of operation and

		quotation.	must be specified in the quotation.
		Must be supplied with stainless steel racks to fill 3 shelves fully along with appropriate plastic coated cardboard boxes for 2 inch cryo-vials (within the cost quoted)	Must be supplied with 300 plastic coated cardboard boxes and appropriate stainless steel racks to fill the same, so that at least one shelf remains empty.
RCB/ATN/10/18-19	**Biosafety Hood / Cabinet**	Cabinet should have a divided stainless steel (SS 304 / SS 316) work surface interior with internal dimension (WxDxH) approximately 210x570x650 mm, though ultimately with usable work area of at least 6.0 square feet.	Cabinet should have a single piece stainless steel (SS 304 / SS 316) work surface interior with internal dimension (WxDxH) approximately 1210x570x650 mm, though ultimately with usable work area of at least 6.0 square feet.
		The biosafety cabinet should be microprocessor controlled, with filter with efficiency of at least >99.995% at 0.1 to 0.3µ to provide 70% down flow and 30% exhaust with under pressure condition in the working area.	The biosafety cabinet should be microprocessor controlled, with filter with efficiency of at least 99.995% at 0.1 to 0.3µ to provide 70% down flow and 30% exhaust with under pressure condition in the working area.
		Cabinet should have power saver motor technology such as electronically compensated motors (ECM).	Cabinet should have either Electronically compensated motors (ECM) or DC motors.
		Standard compliance: Type tested to EN 12469, Europe or NSF compliance; Air quality: ISO 14644.1, Class 3, Filtration: IEST-RP-CC034.1, Worldwide. (Copies should be submitted along with the bid)	Standard compliance: EN 12469 / NSF certified; Air quality: ISO 14644.1, Class 3, Filtration: IEST-RP-CC034.1, Worldwide. (Copies should be submitted along with the bid)
RCB/ATN/11/18-19	**Water Purification System**	**PRE FILTRATION STAGE:** Feed water must pass through four stage purification steps involving 10 µ, 5 µ, activated carbon filter cartridge and 1 µ filter with the booster pump before going through a suitable RO system (Capacity – At least 200 L) to remove silicate up to >99.9% and should get stored in 100L or more HDPE/PE tank.	**PRE FILTRATION STAGE:** Feed water must pass through four stage purification steps involving 10 µ, 5 µ, activated carbon filter cartridge (can be avoided, if inbuilt in the system) and 1 µ filter with the booster pump before going through a suitable RO system (50 -70 L/hr) to

			remove silicate up to >99.9% and should get stored in 100L or more HDPE/PE tank.
		This system should respond favorably to water quality with Fouling Index greater than 11, total chlorine > 2ppm, feed water conductivity up to 1500 µS/cm	This system should respond favorably to water quality with Fouling Index greater than 11, total chlorine < 2ppm, feed water conductivity up to 1500 µS/cm
		The Type-II water must get collected in a conical bottom shaped cylindrical tank (with opaque walls) made up of HDPE/PE material and must get re-circulated to the main unit. There must be a sanitization procedure for tank.	The Type-II water must get collected in at least 80 L conical bottom shaped cylindrical tank (with opaque walls) made up of HDPE/PE material and must get re-circulated to the main unit. There must be a sanitization procedure for tank.
		Product Type 2 water quality – Resistivity should be 10-15 mega ohm-cm, TOC: < 30ppb, Flow rate at least 15L/hr, Conductivity < 0.2uS/cm	Product Type 2 water quality – Resistivity should be 10-15 mega ohm-cm, TOC: < 30ppb, Flow rate at least 15L/hr; Conductivity (0.1 – 0.06 µS/cm)
		The quoted equipment should be of International standards.	The quoted equipment should be UL certified or European CE certified.
		14. WARRANTY PERIOD: The equipment including all spares and accessories and imported consumables (cartridges) should have 60 months warranty from the date of handing over the fully functional unit to the Institute, against manufacturing defects of material and workmanship. This means a no cost operation in entire system (including EDI module in Type-2 water system and RO system at Pretreatment stage) and free replacement of consumables / all type of cartridges (w.r.t. their specific documented timelines) up to 5 years.	**14. WARRANTY PERIOD**: The tenderers must qoute for 5 years comprehensive warranty (including all spare, accessories and labor) from the date of completion of the satisfactory installation. The warranty charges shall not be quoted separately. Otherwise the offer shall not be quoted separately. Otherwise the offer shall be summarily rejected. Also the bidders are requested to submit their qoute (rates) for subsequent 5 years comprehensive AMC (including all spares, accessories and labor). Failure to comply with this

			condition will entail the rejection of the bids. The price comparison shall be made taking into account the basic price and post warranty CMC.
		***New point added**	5 complete sets of all purification cartridges (w. r. t. OEM) from tap water stage to ultrapure water stage must be provided on installation day.
		***New point added**	5 year replaceable warranty on EDI module in Type 2 water system and 5 year warranty on RO system at Pre-treatment stage.
		***New point added**	1 extra RO membrane system and 2 extra UV lamps (both provided by OEM) must be provided on installation day.

***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.**

CLARIFICATION ON THE COMMERCIAL POINTS / REQUIREMENTS RAISED BY THE FIRM

COMMERCIAL CLAUSES	POINT RAISED BY FIRM	CLARIFICATION
Point 18	In place of EMD DD/BG, why don't you accept the FDR in commercial terms when amount is too small.?	FDR is also acceptable
Point 23	POINT NO 23 OF TENDER TERMS ::DEMONSTRATION OF EQUIPMENT IS REQUIRED IN TECHNICAL OPENING OF BID??	This demonstration is required (on case to case basis) only if the technical evaluation committee decides during the technical evaluation stage that the firm's quoted model needs to be physically examined as per the specifications
Point 45	After five years prices may fluctuate due to currency variation ???	Price list can be given in any currency

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