



CORRIGENDUM NOTICE

Notice No. TU/11-24/Pur/Qtn/2017-18/1759-A dated: 20.07.2017.

The specifications of the following items mentioned in our Short Quotation Notice No. TU/11-24/Pur/Qtn/2017-18/1697-A. dated: 17.07.2017 **may be read as under:**

Sr. No.	Name of the Equipment	Specifications
1.	Automatic Nitrogen/ Protein Estimation System (Distillation and Digestion unit)	<p><u>A. Automatic Digestion System:</u></p> <ul style="list-style-type: none">• Eight Place 250 ml capacity PC Compatible Block Digestion System with Casted Aluminium Alloy Block Heaters• Direct USB Port for PC/Laptop Connectivity, TFT Graphic Touch Screen Display.• Unique wireless mouse to operate touch screen without PC at a distance of 2 mtrs from equipment.• 70 programs & 12 sequence steps, PC chart software, Live graphical representation of time/temp. gradient• Live Schematic process flow feature with display of various stages with facility to have print options• Software enables multiple unit monitoring with multi user login feature• Inbuilt software program for micronutrient, macro nutrient, trace element, diacid and triacid analysis.• Upgradeable to Remote Control Module for wireless data monitoring, control and transfer to PC at a distance of 30 feet from equipment, Unit should be upgradeable to Data Logger Module• Temperature controller: Microprocessor based• Electrical Requirement: 230 V, 50 Hz AC Mains. <p><u>Optional accessories</u></p> <ul style="list-style-type: none">• Additional digestion Tubes (250 ml Vol. 8 pieces)• Additional tubes for diacid and triacid digestion (3 mtrs) <p><u>B. Automatic Scrubber System</u></p> <ul style="list-style-type: none">• Four Stage Fully Automatic Microprocessor based acid neutralization scrubber with digital display integrated online with motherboard of digestion system with inbuilt pump for water recirculation• Should automatically start on operation of digestion system, Should automatically stops on completion of digestion cycle with a delay time of 5 minutes to remove residual fumes.



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		<ul style="list-style-type: none">• Auto waste disposal & auto drain of tank water after pre programmable consecutive operations, Incorporates indication of drain cycles, low level indication and high level indication,• Auto fill error in case of absence of inlet water in tank and the system automatically switches off with alarm.• Inbuilt auto error diagnostic and safety features. Electrical Requirement: 230v/50Hz AC Mains. <p><u>C. Automatic Distillation System</u></p> <ul style="list-style-type: none">• Autosequencing Microprocessor based PC Compatible Distillation System with in-built software with 30 predefinable user storage programs,• Fully Automatic sequencing with auto Intelligent run of programmable steps,• Automatic Dilution, Automatic Alkali Addition, Automatic Steam Processing, Process over indication with alarm with delay time feature, Automatic titration connectivity feature for future up gradation,• Two line alpha numeric digital LCD display, RS 232 interface for connectivity to PC,• Inbuilt safety features with CE Certification to fulfill all statutory requirement of Good laboratory Practice.• Tube insert error indication, Auto door open warning indication, Auto deactivation of System on error diagnosis,• Adjustable steam power, Automatic Reagent level sensor with alarm, Auto online water saving mechanism,• Stainless steel non corrosive steam Generator,• Fully Automatic water level monitoring with centrifugal refilling pump & Peristaltic pump for reagents addition,• Electrical Requirement – 220 - 230V/50Hz.• Company should have good performance track record of at least 10 years with references of users of similar equipment. The Supplier should be ISO certified, CE Certified to fulfill good laboratory practice norms of International Safety requirements to ensure quality standard with certified calibration. The original Manufacturers of laboratory equipments should have at least Rs. 1 crore per annum turnover in the past 3 years towards financial capability. The instrument shall strictly confirm to the specifications with relevant brochure. The company should be reputed supplier should not be blacklisted or should not have any adverse remarks in the past. Spares should be made available for minimum period of 10 years after the warranty period by the supplier.
2.	Table Top High Speed Refrigerated	<ul style="list-style-type: none">• Centrifuge should have cooling facility with temperature control : -5°C to 30°C



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	Centrifuge	<ul style="list-style-type: none">• Maximum speed should have : 200 to 14,000 rpm and Maximum rcf : 15, 000 x g• Maximum Capacity should have above: 24 x 1.5/2.0 mL. Additional rotor capacity should have 12 x15 mL.• Timer should have: 0.5 to 99 minutes or continuous• Power Supply : 230V, 50 Hz• Dimensions (W x D x H) should have : 10.9 x 17.75 x 9.75 in/27.7 cm x 45 x24.75cm• Should have low access height (29 cm) for easy loading and unloading of samples• Weight should have : 44 lb/20 kg• Acceleration time should have 14s• Noise level should have : <54 dB(A)• Power Requirement should have: max. 1,050 W• Braking Time should have : 15 s• The equipment should have ECO shut of facility to engage after 8 hours of non use to reduce energy consumption and extend compressor life• Rotors should be made of recyclable aluminium, 100% recyclable packaging material. and induction motors to provide maintenance free operation, eliminating carbon particle emission for green initiative.• Centrifuge should have the built in condensation drain to eliminate water accumulation and prevent corrosion
3.	Rotary Vacuum Evaporator	<ul style="list-style-type: none">• Maximum capacity should be 3 L• The equipment should have motorized lift with by pass.• Should have water cum oil bath with seamless inner tank and clear bottom• Batch range should be upto 180°C & capacity upto 3L per shaped evaporating flask.• Digital RPM control with AC motor speed 30-27 RPM• Equipment should have PTFE coated seals, PTFE feed tube, and PID temperature controller.• Supplied with standard 1 L pear shaped evaporating and round bottom receiving flasks

The other contents of the earlier notice remain unaltered.

Sd/-Joint Registrar i/c
Tezpur University