CORRIGENDUM

Sir,

Kindly refer to tender no. 42-01/EFC-Equipments/P/IIMR/17-18 dt. 8.02.18 due for opening on 6.3.18 at 11:00 A.M. In this regard, it is intimated that some changes have been made in the specifications for Automatic Nitrogen/Protein analyzer. The revised specifications are being enclosed herewith. Kindly note that tender received with the revised specifications may only be considered for further course of action.

Yours faithfully,

[Signature]
Administrative Officer

Copy to:-
- In-charge ARIS cell, IIMR for uploading on IIMR website
- Notice board
Revised Technical specifications for Automatic Nitrogen/Protein analyzer

**Specifications**

- Fully Automatic Nitrogen/Protein analyzer

**Specifications for Digestion system (12 place)**

- IR Digestion system 12*250/300 ml capacity with electronic temperature controller, temperature range (50-550°C)
- Variable heating levels and time settings in each programme.
- Display for time
- System should have a drip hole to protect the system from any leakage from of sample tubes
- Easy handling of tubes by providing standby and cooling down mode
- Complete exhaust system for all the 12 places

**Specifications for COMPUTER CONTROLLED (IN BUILT/EXTERNAL) FULLY AUTOMATIC DISTILLATION SYSTEM WITH INBUILT END TO END POINT POTENTIOMETRIC TITRATION**

- System can be upgradable to autosampler
- Cooling water consumption per min 1-4 L
- Distillation time/sample (2-5 min)
- Recovery rate% (> 99.5)
- Reproducibility % (+/- 1)
- Detection limit N (0.1 mg)
- Nominal voltage (230 VAC)
- Nominal wattage (1.6-2.2kw)
- Addition H₂BO₃ (Automatic)
- Addition H₂O (Automatic)
- Addition NaOH (Automatic)
- Programmable reaction time (Automatic)
- Programmable distillation time (Automatic)
- Stream generator (Automatic)
- Automatic suction of sample waste (Automatic)
- Automatic suction of the receiver (Automatic)
- Protection Door with safety switch. Fully Transparent protective door for view of Distillation process, sample contamination, condenser and Distribution Head
- Different sizes of digestion tube and kjeldahl flask can be used for large volume sample
- Determination of End point will be done Potentiometrically with combined electrode using micro dosing pump of accuracy 0.2 % deviation
- check of chemical reservoir (Automatic)
- Stand-by-Function (Required)
- error messages (Optical and acoustical)
- Protection door with safety switch (Required)
- Buffer solution pH 4 (200-300 ml.)
- Buffer solution pH 7 (200-300 ml.)
- KCl Electrolyte solution (40-60 ml.)
- Titration (Automatic By Micro dosing pump)
- pH-electrode additional (Required)
- Result print out (Automatic)
- digestion system should be acid resistant
- Distribution head (Made of PP)