CORRIGENDUM – I

Corrigendum in the e-tender NAU/DR/02-2015-16 published on 19/10/2015. Corrigendum for instruments enlisted in chapter 3, item No 3 (Lyophilizer) and 4 (Fluorescent Microscope) and its specification are given in Chapter – 7. Corrigendum is as below.

3. Lyophilizer

Condenser volume : 7.2 liters

Ice capacity : : 2.3 kg/24hrs

Max ice capacity : 5.0 Kg.

Condenser Temp.: **-85^0 C $\pm 5^oC$ @ 20^0 ambient**

With LN2 Trap (for temp lower than -160^0C)

Vacuum Pump (Capapcity:200 Lpm)
Oil Mist Filter

Accessory for freeze drying pre-frozen samples in flasks/tubes

i. 8 port Acrylic drum manifold
ii. Round bottom Freeze drying flasks 50, 100, 250 each- 2 nos
iii. Wide neck freeze drying flask with lid 150ml, 300ml – each1no

Accessory for freeze drying pre-frozen samples in trays:

i. 3 shelf heated bulk rack assembly
ii. Heater Control Unit
iii. **Hand held Sealing torch**

Accessories for freeze-drying in large quantity of ampoules and sealing under vacuum

Spin Freezer for primary drying OR **48** port secondary drying manifold

Suitable Trolley for machine.

Training: One pre and post installation, additional if required

Warranty: Two years warranty.

Others: Compatible housing facility

4. Fluorescent Microscope

Optical System:- Infinity Optical System

Microscope Body:- Stratum Structure Design for , 12V/100W Halogen illumination (100-240V) with built-in fly-eye lens for Halogen illumination, Preset switch, Built-in NCB11, ND8, ND32 filters (detachable, one additional filter mountable) and diffuser (non-detachable), Intensity control dial with preset function,

One Click Image Capture Button on body, Manual coaxial coarse/fine focusing (Minimum fine reading: 1 μm),

Observation Tube:- Trinocular tube T, F.O.V. 22/25* (eyepiece/port: 100/0, 20/80, 0/100) with 30° viewing angle

Eyepieces:- 10x (F.O.V.: 25mm) with Diopter Adjustment in both eyepieces

Nosepiece:- Sextuple DIC Revolving Nosepiece

Stage:- Rectangular Ceramic coated surface stage with cross travel of 78mm (X) x 54mm (Y) with Vernier calibrations, Stage handle height and torque adjustable, 2-slide specimen holder,

Condenser:- Universal Condenser Dry, suitable for Phase Contrast, DIC and Darkfield,

Objectives:- Plan Fluor 4x, 10x, 40x & 100x Oil, Plan Achromat DL 20x Ph1 & 40x Ph2 Relevant Phase rings and DIC sliders and modules, DIC Analyzer and DIC Rotatable Polarizer

Fluorescence Attachment:- 100W Mercury Fluorescence attachment, Six position filter cube turret, Green, Blue and Red Fluorescence filter

Camera:- Scientific Digital Camera with 16.24 Megapixel Resolution, 45 FPS Max speed, Equivalent to ISO200, Exposure time 100μSec. To 60 Sec., Suitable Camera mount adopter, USB 3.0 Communication

Camera should able to transfer single large image with high resolution to computer

Image Analysis Software:- Dedicated Image Analysis Software with features like Live image capture, Multidimensional Image Capturing upto 4D, Time Lapse Image Capturing (T), Z Series Image Capturing (Z), Multichannel Image Capturing (λ), Multipoint Image Capturing (MP), AVI Live Stream Capture, Auto and Manual Measurement, Intensity Line Profile, Intensity Surface Plot, Report Generator, Macro & Volume View

Microscope should be capable to upgrade with motorized functions in future at customer site.

The Microscope, Digital Camera and Image Analysis Software should be from one source.

Desktop Computer:- Branded Desktop with Intel Core i3 Processor, 4GB RAM with 1 TB HDD, DVD RW/R Drive, Keyboard and Mouse, 24" HD LED Monitor, Windows 7 Professional 64bit OS, PCI Express x1 slot on motherboard

Application: Auto fluorescence

Training: One pre and post installation, additional if required

Warranty: Five years extended warranty.

Others: Compatible housing facility.

Any consumables required at the time of installation must be provide by the tenderer