

Amendment to Tender No – 5922, Dated – 22.12.17
Last date of Tender Submission extended up to 17.01.18

Following corrections may be noticed for mentioned equipments.

1.Changes Of Specifications For Fesem

Resolution : 1 nm @ 15KV or better may be corrected to **(2nm @ 1KV or better)**

Probe Current: 200 nA or higher corrected to 100 nA or higher

Included in Electron Optics:

“All the recommended attachment (if any) must be offered in the offer itself, to work the above mentioned options”

Chamber and Specimen Stage:

- may be corrected **“5- axis motorized eucentric / compucentric stage**

List of references: May be corrected **10 FESEM** installations in India within last 10 years.

Warranty: May be corrected **5 years** comprehensive warranty from date of installation, Service within 48 hr for problems.

2. ANALYTICAL CUM SEMI-PREPARATIVE CUM PREPARATIVE HPLC SYSTEM WITH UV – VISIBLE DETECTOR, REFRACTIVE INDEX DETECTOR & ELECTROCHEMICAL DETECTOR SHOULD BE FULLY SOFTWARE CONTROLLED.

1. HPLC Pump (or delivery system)-2 NO.'s

- 2 Nos. of integrated HPLC pumps should be provided to work in Isocratic, Binary Gradient and semi preparative mode. The pumps should be able to work on fully analytical & semi-preparative mode separately with different pump heads for Analytical & Semi-preparative applications.

This paragraph is corrected to:

System should be a high pressure binary gradient with two pumps capable of handling analytical to semi prep scale application and to hold up to 10mm / higher ID columns.

- The system delay volume should be lesser than 200 µl for higher sensitivity. It must be mentioned in the data sheet provided by the vendor.

This paragraph is corrected to:

The System delay volume to be kept minimum for better gradient efficiency. It must be mentioned in the data sheet provided by the vendor. The system should be equipped with automatic plunger rinsing kit or similar technology to remove deposited buffer automatically.

All other paragraphs remaining same as published.

2. Manual Injector:

- The manual injector should be fully integrated with the pump. No separate free standing panel should be there for the injection. A sketch / drawing should also need to be provided along with the technical details which must show the same.

This paragraph is corrected to:

The manual injector should be fully integrated with the pump.

All other paragraphs remaining same as published.

3. UV/Visible Detector with Analytical & Semi-Preparative Flow Cell.

The following corrections are made:

- Bandwidth- 8nm or better
- Flow Cell Design: Taper slit/Temperature controlled flow cell/ better technique to reduce total internal reflection.
- Should have facility for automatic wavelength accuracy, verification and calibration.
- Light Source: Deuterium Lamp which should cover the entire range with 2000 hrs of operation without drop in the energy level with appropriate backup from software and hardware. Lamp Switch on/off facility may be provided.

All other paragraphs remaining same as published.

4. Refractive Index Detector

The following corrections are made:

Light source: LED/ tungsten lamp or better

Noise: 2.5×10^{-9} RIU or better

All other paragraphs remaining same as published.

5. Column Oven

The following correction is made:

Should have provision for housing at least three or more columns of 250 mm length or better.

All other paragraphs remaining same as published.

6. Software

The following correction is made:

Should have SQL/ Oracle based software for control, acquisition, processing etc.

All other paragraphs remaining same as published.