

**Material Management Section
Indian Institute of Technology
Roorkee**

No. 1600001198/Corrigendum/149

Corrigendum
Change in Technical Specification

Subject: Regarding purchase of amplifier, OPA spectrometer system

Reference Tender number: 1600001198/MM-6/IITR/2020-21/Laser, Optical Parametric/
CHEMISTRY/55 dated: 29/07/2020

Amended specification:

1. For Amplifier, it should be one box system.
2. For OPA, the pulse duration should be less than 50fs.
3. For delivery item, it should be read as after issuing the purchase order instead of letter of credit.
4. For laser tables, the first line 1500 X 457 mm doubler interface has been deleted.
5. The following changes has been made in the technical specifications of EMCCD camera
 - a. Aperture: F/4.1 to F/3.9 or better for high light throughput
 - b. Gratings: Motorized, Interchangeable indexed 4 gratings turret, if this is not available, extra grating on a separate turret is acceptable
 - c. Iris for resolution enhancement or resolution enhancement using software to meet resolution.
 - d. Wavelength accuracy centre: 50 pm or better
 - e. Wavelength repeatability: 20 pm or better grating to grating
 - f. Register well depth: Conventional mode: 350,000 e-
 - g. Air cooling: -65°C (guaranteed) or preferably even lower temperatures. However, the minimum dark current achievable with water cooling should be 0.0001 electron/pixel/sec or better
 - h. Image area: 25.6 x 3.2 mm with 100% fill factor or better.
 - i. Software 32bit or 64bit or both

All other things will remain same.