

**DEPARTMENT OF CHEMISTRY
NATIONAL INSTITUTE OF TECHNOLOGY: TIRUCHIRAPPALLI - 620 015**

24.01.2014

Tender Amendment

Tender Notification No.: NITT/F.NO:SIF008/PLAN2013-14 dt. 19.12.2013

The pre-bid conference was held on 24.01.2014 at 02.00 PM in the committee room of Chemical Engineering department to discuss the specification published in the tender. The following suppliers were present in the meeting and requested amendments in the specifications.
Based on the discussion, the committee recommends the following amendments to the specification. In addition, the committee recommends the delivery date has to be mentioned as 24 weeks subject to Export License clearance.

Specification for Circular Dichorism spectrometer with Dinitrogen generator

Original tender specification	Amended specification
Standard	
Light Source : 150W air-cooled Xe lamp	No Change
Light Source for validation: Mercury Lamp	No Change
Detector: PMT	No Change
Monochromator : Double polarizing dual dispersing	No Change
Wavelength Range: 200 to 900 nm or better	Wavelength Range: 170 to 900 nm or better
Wavelength accuracy: +/-0.5 nm (at 500 to 800nm)	No Change
Wavelength Reproducibility: +/-0.1 nm (at 500 to 800nm)	No Change
Wavelength Resolution: 0.1nm or better	No Change
Digital Integration Time (D.I.T.) : 0.1msec to 30sec	No Change
Measurement mode: Direct Spectrum, CD spectrum	No Change
Measurement mode: Continuous scan, step scan , Auto -scan	No Change
CD Full Scale: +/- 8000 mdeg	CD Full Scale: +/- 7000 mdeg
CD Resolution: 0.00001 mdeg.	CD Resolution: 0.0001 mdeg.
Stray Light : less than 0.0003% (at 200nm)	No Change
RMS Noise: 0.003 mdeg (200 nm)	No Change
High efficient suitable dinitrogen gas generator	No Change
Instrument Communication: High speed USB	No Change
Peltier thermostatted cylindrical/rectangular cell holder	No Change
Cells/ Cuvettes : As below One set Standard free of cost	No Change
Cylindrical Quartz Cell – 10mm x 10 mm (2 nos)	No Change
Cylindrical Quartz Cell – 1mm x 1mm (2 nos)	Cylindrical Quartz Cell – 10mm x 1mm (10 nos)

Rectangular Quartz Cell – 2mm path length (1 no)	Rectangular Quartz Cell – 2mm path length (10 no)
Rectangular Quartz Cell – 1 mm path length (10 nos)	No Change
Rectangular Quartz Cell – 10 mm path length (10 nos)	No Change
All software's required for data collection, ORD, elucidation & Protein secondary structure estimation software – Free of Cost	No Change
Branded high end computer with Laser high ppm duplex printer.	No Change
Optional Upgrades and Accessories	No Change
450W air-cooled Xe lamp Upgrade	No Change
Wavelength upgrade : NIR Region (InGaAs)	No Change
Emission monochromator	No Change
MCD Accessory (1.6 T magnet)	No Change
4-6 position automatic rectangular cell changer	No Change
Variable temperature attachment Warranty: Comprehensive three years	Warranty: Comprehensive five years Warranty.
	5% bank guarantee for five years towards supply of spare components after warranty period.



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