



**Air-Mail / Speed-Post**  
**CSIR-CENTRAL SCIENTIFIC INSTRUMENTS ORGANISATION**  
(Council of Scientific & Industrial Research)  
Sector 30-C, Chandigarh-160 030

<b>Tender No.</b>	CSIO/3(46)/2015-Pur	<b>Date:</b>	24.06.2015
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Dear Sir,

We are interested to purchase the following items. Kindly send us the sealed quotations/Performa invoice indicating minimum delivery period. The sealed envelope containing your quotation super scribed with our reference no. and addressed to Director, should reach this office latest by 13.07.2016 at 5:00 PM. The quotations will be opened on 13.07.2016 at 11.30 A.M. in the presence of supplier's representative who wish to present themselves at that time.

Sr. No	Name of item	Qty.	BID* (SB/ TB)
1.	FT-IR Spectrophotometer (Detailed specifications attached)  ❖ Terms & Conditions as per Annexure-'B' ➤ Please quote as per enclosed terms & conditions.	One	TB (Two Bid) Technical & Commercial

SB: Single Bid  
\* TB: Two Bid

Yours faithfully

Controller of Stores & Purchase

E-MAIL: [cosp@csio.res.in](mailto:cosp@csio.res.in), [purchase@csio.res.in](mailto:purchase@csio.res.in), Phone: 91-172-2652651, Telefax: 91-172-2652651

## FTIR Spectrophotometer

### A. Basic Instrument

S.No.	Parameters	Value/Type
1.	Wave number Range	7800-375 cm <sup>-1</sup> or better
2.	Resolution	≤ 0.5 cm <sup>-1</sup>
3.	S/N Ratio	≥ 30,000: 1 (P-P, 1 min scan, 4 cm <sup>-1</sup> resolution)
4.	Beam Splitter	KBr based
5.	Detector	DLaTGS/DTGS
6.	Source	Equipped with suitable/proprietary source

### B. OEM Accessories

(Must be supplied only from OEM)

S. No.	Parameters / Accessory	Value/Type
1.	KBr 13 mm die-set	2 Nos.
2.	KBr Powder	100 gms or more
3.	Pellet Holder	1 No.
4.	Liquid cells	1 No. of fixed cell with NaCl and KBr windows 1 No. of demountable cell with NaCl and KBr windows
5.	Magnetic film holder	1 No.
6.	Pestle and mortar	1 set (4" or higher size)
7.	NIST traceable film	1 No.
8.	ATR	Diamond ATR (1 No.)
9.	Diffuse reflectance accessory	Compatible accessory (1 No.)
10.	Specular reflectance accessories	8° or higher (1 No.)
11.	Software	Data Processing, Quantitative and qualitative Analysis
12.	Libraries	5000 or more spectra libraries

### C. Local Accessories

S.No.	Parameters/Accessory	Value/Type
1.	Pellet Press	15 Ton or better
2.	Electronic Dry Box	01 No. with following specs: -with PID controller and temperature range from ambient to 40° C or better - usable volume 440 x 240 x 140 mm <sup>3</sup> or more
3.	Computer	Compatible PC of standard make with keyboard and mouse - Windows 7/8/8.1/10 - RAM : 4 GB or higher - HDD: 500 GB or higher - CD/DVD writer
4.	Printer	Compatible Color Laser Jet Printer -Print, scan, copy function -Duplex printing
5.	UPS	Suitable UPS with at least 60 minutes backup

### D. Installation, Training and Warranty

S. No.	Parameters	Value/Type
1.	Installation and Training	Satisfactory on-site installation and training.
2.	Warranty	03 Years warranty on the instrument from the date installation including beam splitter

