



SAVITRIBAI PHULE PUNE UNIVERSITY
DEPARTMENT OF PHYSICS

Ref. No./Quot./PHY/ Dept. Gen/NBC/49

Date: 22/02/2021

Name of the Administration

Branch/Department:

Quotations are invited for the supply of following goods/carrying out the work, so as to reach this office on or before

02/03/2021

Sr. No.	Description of Material/Item/work	Approximate Quantity	Rate Per unit	Amount (Rs.)	Remark
1.	Far and MID FTIR Spectrometer The required specifications are given in attached sheet	01			

1. Octroi Exemption Certificate will be issue for the goods supplied from the places outside Pune Municipal Corporation Limits.
 2. Excise duty, Custom duty Exemption Certificate will be issued if applicable.
- Note: For other terms and conditions see overleaf.

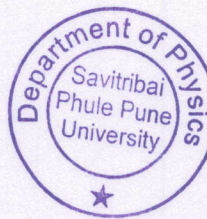
Head of Physics

Head, Department of Physics

Administrative Branch

Savitribai Phule Pune University

Pune - 411 007.



Signature

(Supplier)

(With Stamp)

Head
Department of Physics
Savitribai Phule Pune University
Pune - 411 007

e-office/stores/Department of Physics

Specification for Far and MID FTIR Spectrometer

Wave Number Range	: 100 to 4000 cm^{-1} or broader
Resolution	: 0.5 to 1 cm^{-1}
S/N Ratio	: 20000:1 to 30000:1
Detector	: Suitable high-performance detector.
Beam Splitter	: Standard
Light Source	: Suitable high intensity light sources (Mention the life of source)
Interferometer	: High stability and self-compensating interferometer.
Interferometer Drive Speed	: 1 to 5 mm/sec
Purge	: Standard
Interface between PC and FT-IR	: USB
Sample holder	: Suitable sample holders for powder, thin film, gas and liquid samples along with suitable medium.

Mode for data recording

Transmission, Absorption, Attenuated Total Reflectance (ATR), Spare prism for ATR

SOFTWARE:

Measurement modes, Quantitative Analysis, Wavelength scan, Time scan, %Abs and T monitor, Data processing, Peak picking, Peak height, Peak area, Peak width, Derivatives, Smoothing, Data truncation, Arithmetic, Baseline correction, Subtraction, Deconvolution, Vertical axis conversion, Horizontal axis conversion. Validation Software, Enzyme activity calculation and licensed copy of advance analysis software's. Standard data library.

Sample will be provided to each potential vendor and ask them to record the spectra using the system supplied to the customer, (preferably academic institution) and submit the data by email.

दिनेश जी साठवडे

Head
Department of Physics
Savitribai Phule Pune University
Pune - 411 007.

Done