



**Request for Proposal (RFP)  
for  
Supply of FTIR-ATR-Microscope Imaging System  
for  
State FSL, Bhubaneswar**

Tender No: ~~65~~-RFP-FTIR-ATR-Microscope Imaging System-2024-25

Date: 19/03/2025

Tender Fee: . Rs. 590/- { (Non-refundable) Rs. 500/- +18% GST (Rs.90/-)}

**A.I.G. of Police (Provisioning)  
Tender Calling Authority  
At/Po- Buxibazar, Cuttack, PIN – 753001**

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## **2. Disclaimer**

RFP document is neither an agreement nor an offer by the Odisha Police (the “Authority”) to the prospective Applicants or any other person. The purpose of this RFP is to provide information to the interested parties that may be useful to them in the formulation of their proposals pursuant to this RFP. The Authority does not make any representation or warranty as to the accuracy, reliability, or completeness of the information in this RFP document and it is not possible for the Authority to consider particular needs of each party who reads or uses this RFP document. This RFP includes statements which reflect various assumptions and assessments arrived at by Authority in relation to the consultancy. Such assumptions, assessments and statements do not purport to contain all the information that each Applicant may require. Each prospective Applicant should conduct its own investigations and analysis and check the accuracy, reliability and completeness of the information provided in this RFP document and obtain independent advice from appropriate sources.

Authority will not be responsible for any delay in receiving the proposals. The issue of this RFP does not imply that the Authority is bound to select an Applicant or to appoint the Successful Applicant, as the case may be, for the firm and the Authority reserves the right to accept / reject any or all of proposals submitted in response to this RFP document at any stage without assigning any reasons whatsoever. Authority also reserves the right to withhold or withdraw the process at any stage with intimation to all who submitted the Application in response to this RFP.

The information given is not an exhaustive account of statutory requirements and should not be regarded as a complete or authoritative statement of law. Authority accepts no responsibility for the accuracy or otherwise for any interpretation or opinion on the law expressed herein.

Authority reserves the right to change/ modify/ amend any or all provisions of this RFP document. The amended RFP will be made available on the website of Authority.

### **Key Definitions:**

- i. “AUTHORITY” means Odisha Police, Office of the D.G & I.G. of Police, Odisha, Cuttack
- ii. “BIDDER” means the agencies/firms submitting proposal against this RFP
- iii. “AGENCY” means the selected bidder to carry out the assignment in accordance with the terms defined in this RFP
- iv. “Applicable Law” means the laws and any other instruments having force of law in India from time to time
- v. “Proposal/bid” means proposal submitted by bidders in response to the RFP issued by Odisha Police, Office of the D.G & I.G. of Police, Odisha, Cuttack
- vi. “Contract Value” means the price payable to the selected bidder under the Contract for the complete and proper performance of its contractual obligations.
- vii. “Day” means Working day as defined by Government of Odisha
- viii. “Services” means the work to be performed by the Agency pursuant to the selection by Odisha Police and to the contract to be signed by the AGENCY

### 3. Notice Inviting Tender



**Odisha Police**

**Office of the D.G & I.G. of Police, Odisha, Cuttack**

**Tel. :0671-2304001,**

**Website:**[www.odishapolice.gov.in](http://www.odishapolice.gov.in), **Email :** [sphgrs.orphol@nic.in](mailto:sphgrs.orphol@nic.in)

**RFP No.65-RFP-FTIR-ATR-Microscope Imaging System-2024-25**Date : 19/03/2025****

Online Bids through e-Tender Portal <https://tendersodisha.gov.in> are invited from the eligible bidders for procurement of FTIR-ATR-Microscope Imaging System for State FSL, Bhubaneswar during the current financial year 2024-25 as per the schedule mentioned below.

Events	Date
RFP Issue Date	19.03.2025
Prospective bidder requested to submit their Queries on E-Mail Id - <a href="mailto:dirsfsi.orphol@nic.in">dirsfsi.orphol@nic.in</a>	A pre-proposal meeting will be based on the request receive from bidder (Online Link date and time shall be shared on Mail) Venue _ O/o the State FSL. Rasulgarh, BBSR
RFP Submission Due Date and time	28.03.2025
Date & Time of Opening of Technical Bids	29.03.2025
Date & Time of Opening of Financial Bids	To be intimated
Tender Document fee	In favour of A.I.G. of Police (Prov.), Odisha, Cuttack payable at Cuttack. (Demand Draft)
EMD (Earnest Money Deposit)	In favour of A.I.G. of Police (Prov.), Odisha, Cuttack payable at Cuttack. (Demand Draft)

The bid document with all information relating to the bidding process including cost of bid document, Prequalification criteria and terms & conditions are available in the websites: <https://tendersodisha.gov.in> The Authority reserves the right to accept / reject any part thereof or all the bids without assigning any reason thereof.

**A.I.G. of Police (Provisioning,  
Cuttack, Odisha  
(Tender Calling Authority)**

#### **4. Instruction to the Bidders**

1. The Odisha Police –Odisha Police (Tender Inviting Authority) is a Govt. organization working under Home Department, Govt. of Odisha.
2. The bid documents published by the Bid Inviting Officer (Procurement Officer/Publisher) in the e-procurement portal <https://tendersodisha.gov.in> will appear in the “Latest Active Tender”. The Bidders/ Guest Users can download the Bid documents from 19.03.2025 and submit it online by 29.03.2025 5.00 PM after which the same will be removed from the list of “Latest Active Tender”.

#### **4.1 PARTICIPATION IN BID**

##### **4.1.1 PORTAL REGISTRATION:**

The bidder intending to participate in the bid is required to register in the e-procurement portal using an active personal/official e-mail ID as his/her Login ID and attach his/her valid Digital signature certificate (DSC) - Class II or III to his/her unique Login ID. He/ She has to submit the relevant information as asked for about the bidder. The portal registration of the bidder is to be authenticated by the State Procurement Cell after verification of original valid certificates/documents such as (i) PAN and (ii) Registration Certificate (RC) / GST Certificate (for Procurement of Goods) of the concerned bidder. The time period of validity in the portal is co terminus with validity of RC/ GST. Any change of information by the bidder is to be re-authenticated by the State Procurement Cell. After successful authentication, bidder can participate in the online bidding process.

##### **4.1.2 LOGGING TO THE PORTAL:**

The Bidder is required to type his/her Login ID and password. The system will again ask to select the DSC and confirm it with the password of DSC as a second stage authentication. For each login, a user's DSC will be validated against its date of validity and also against the Certificate Revocation List (CRL) of respective CAs stored in system database. The system checks the unique Login ID, password and DSC combination and authenticates the login process for use of portal.

##### **4.1.3 DOWNLOADING OF BID:**

The bidder can download the bid of his / her choice and undertake the necessary preparatory work off-line and upload the completed bid before the closing date and time of submission.

##### **4.1.4 CLARIFICATION OF BID:**

The registered bidder can ask questions related to the online bid in the e-procurement portal before the pre-bid meeting. The Odisha Police Headquarters, At-Buxi Bazar, Cuttack, (Email – [aig-prov.odpol@gov.in](mailto:aig-prov.odpol@gov.in)) will clarify queries related to the bid. Through e-mail by the e-mail ID: [aig-prov.odpol@gov.in](mailto:aig-prov.odpol@gov.in) and Contact No. 0671-2339517 or State e-Procurement cell help desk 1800-3456765, 0674-2530998 for assistance in this regard.

##### **4.1.5 PAYMENT OF COST OF BID DOCUMENTS:**

The detail guideline for payment of Cost of Bid Document is mentioned at General Condition of contract

##### **4.1.6 SUBMISSION AND SIGNING OF BID**

The detail guideline for submission of & signing of bid is mentioned at General Condition of Contract

*Note :For management of space the bidders can serially arrange their scanned documents as per Annexure 1,2(all pages should be signed by authorized signatory with seal and then to be scanned) and create two equalized PDF files and upload them to avoid any space constraint.*

The **BOQ** file (Excel file) is to be uploaded in the **price bid**.

## 5. General Definitions

### 4.1 General Definitions

- 4.1.1 *Department* means Odisha Police under Home Department, Government of Odisha.
- 4.1.2 *Government* means Government of Odisha.
- 4.1.3 *Bid / Tender Inviting Authority* is the Odisha Police or authorized person of Odisha Police (A.I.G. of Police (Provisioning), Odisha, Cuttack, who on behalf of the User Institution/Government or the funding agencies calls and finalize bids and ensure supply, installation and after sales service of the equipment's procured under this bid document.
- 4.1.4 *Tender Evaluation Committee & Technical Committee* are Committees authorized by the D.G. & I.G. of Police, Odisha, Cuttack to decide on the purchase of the items to be procured by the Odisha Police.
- 4.1.5 *User Institutions* are the Odisha Police under Home Department, Govt. of Odisha for which the items under this bid is procured.
- 4.1.6 *De-recognition/ Debarment* – the event occurring by the operation of the conditions under which the bidders will be prevented for a period of 3 years from participating in the future bids of Tender Inviting Authority, more specifically mentioned in the Specific Conditions of Contract and General Conditions of Contract of this bid document, the period being decided on the basis of number of violations in the bid conditions and the loss/hardship caused to the Tender Inviting Authority on account of such violations.

## 5. Objective

The primary objective for procuring an FTIR-ATR-Microscope Imaging System for the Odisha Police Department is to enhance forensic capabilities. The advanced system combines Fourier Transform Infrared (FTIR) spectroscopy, Attenuated Total Reflectance (ATR), and microscopy with imaging technology, enables detailed chemical and structural analysis of materials. Specific objectives include:

- i. **Forensic Evidence Analysis:** To identify and analyze trace evidence such as fibers, paints, drugs, explosives, and other materials with high precision and accuracy.
- ii. **Improved Crime Investigation:** To support crime scene investigations by providing rapid and reliable identification of unknown substances.
- iii. **Non-Destructive Testing:** To analyze forensic samples without altering or destroying them, preserving evidence for further examination.
- iv. **Advanced Imaging Capabilities:** To map chemical compositions and detect micro-level evidence that might not be visible to the naked eye.
- v. **Increased Efficiency:** To reduce the time required for forensic analysis, enabling faster case resolution and judicial processes.

- vi. **Capability Expansion:** To enhance the technological resources of the forensic science laboratory, aligning with modern investigation standards.

## 6. Scope of Work:

The Odisha Police Department aims to procure an FTIR-ATR-Microscope Imaging System to enhance its forensic capabilities. The system will enable precise identification and analysis of trace evidence such as fibers, paints, drugs, and explosives. Its non-destructive testing and advanced imaging features will allow detailed chemical mapping and preservation of evidence. This technology will support faster and more accurate crime investigations, aiding in quicker case resolutions. It aligns with the department's goal of modernizing forensic resources to meet contemporary investigation standards. Overall, the system will strengthen the department's ability to handle complex forensic challenge. The FTIR-ATR-Microscope Imaging System must meet the following specifications:

## 7. Technical Specifications

Sl. No.	Parameters	Descriptions
1.	Wavenumber- Maximum (Per cm)	7800 or more
2.	Wavenumber - Minimum (Per cm)	350 or better
3.	Spectral (Wavenumber) Resolution (Per cm)	0.5 or Better
4.	Spectral (Wave Number) Accuracy (Per cm) (+::-)	0.05 or better
5.	Beam Splitter	KBr
6.	Mirror Coating	Gold / Aluminium / Equivalent
7.	Peak to Peak Signal to Noise Ratio for 1 minute scan	55000:1 or more
8.	Detector Type	Deuterated L-Alanine doped Triglycine Sulphate (DLaTGS) / Deuterated Triglycine Sulphate (DTGS) / TEC-DTGS / TEC-MCT
9.	Light Source	Mid IR Source
10.	Analyze Liquid samples	Yes
11.	Analyze Solid samples	Yes
12.	Analyze Powder samples	Yes
13.	Analyze thin films on metals samples	Yes
14.	Analyze Gas samples	Yes
15.	Customizable Report Template	Yes
16.	FTIR Cosmetics & Personal products Library, inclusive	Yes



	in the scope of supply	
17.	FTIR Adhesives & Sealants Library, inclusive in the scope of supply	Yes
18.	FTIR Drugs Library, inclusive in the scope of supply	Yes
19.	FTIR Organic Compounds Library, inclusive in the scope of supply	Yes
20.	FTIR Minerals & inorganic Compounds Library, inclusive in the scope of supply	Yes
21.	FTIR Surfactants Library, inclusive in the scope of supply	Yes
22.	FTIR Polymers & Polymer additives Library, inclusive in the scope of supply	Yes
23.	FTIR Sadler Drug Library - inclusive in the scope of supply	Yes
24.	FTIR Canadian Forensic Library - inclusive in the scope of supply	Yes
25.	FTIR Georgian Crime Library - inclusive in the scope of supply	Yes
26.	Liquid Cell Window material	KBr
27.	Shape of the Cell Window	Rectangular
28.	Suitable Gas cell - inclusive in the scope of supply	Yes
29.	Suitable Liquid Cell Window - inclusive in the scope of supply	Yes
30.	Suitable Replacement dessicant (rechargeable) - inclusive in the scope of supply	Yes
31.	Suitable Dry Box - inclusive in the scope of supply	Yes
32.	Suitable Universal liquid cell holder - inclusive in the scope of supply	Yes
33.	ATR crystal - inclusive in the scope of supply	Diamond and Germanium both
34.	Suitable Pellet holder - inclusive in the scope of supply	Yes
35.	KBr Powder - inclusive in the scope of supply	Yes
36.	Suitable KBr set for Pellets - inclusive in the scope of	Yes

	supply	
37.	Suitable Dies - inclusive in the scope of supply	Yes
38.	Suitable Mortar and pestle - inclusive in the scope of supply	Yes
39.	Connectivity	USB / Ethernet
40.	Maximum Operating Temperature ( Cel )	40
41.	Minimum Operating Temperature ( Cel )	10

In addition to above FTIR-ATR-Microscope Imaging System must have following additional specifications.

Sl. No.	Parameters	Descriptions
1.	Interferometer	Michelson interferometer or high end FTIR for forensic application and FTIR microscopic imaging system with fully automated software controlled.
2.	Measurement modes	Transmittance, Absorbance & Reflectance
3.	Type of Optical System	Single beam
4.	Spectral range	7800 – 350 cm <sup>-1</sup> or better
5.	Spectral resolution	0.5 cm <sup>-1</sup> or less for both IR microscope and FTIR
6.	<b>Wave number accuracy</b>	<b>0.05 cm<sup>-1</sup> or less</b>
7.	ATR crystal - inclusive in the scope of supply	Diamond and Germanium both
8.	Sample View	User should have the facility to view the sample while doing FTIR measurement.
9.	Interferometer	Permanent / Dynamically aligned interferometer for highest stability; insensitive against mirror tilts, mechanical vibrations and thermal effects; life time > 10 years with gold coated optics or better.  <b>Or</b>  Improved rotary Michelson interferometer for fast scanning, self-compensating for dynamic alignment changes due to a tilt and shear; life time > 10 years.
10.	Light source	i. High-energy ceramic/laser source with 10 years warranty. ii. Solid-state, temperature-controlled diode laser with long lifetime with a 10-year warranty / He-Ne diode laser with long lifetime with a 10-year warranty.

11.	Beam splitter	KBr / Ge mid-infrared beam splitter.
12.	Instrument calibration/ performance verification	The system must be provided with internal NIST-traceable polystyrene film and should be able to carry out Automated performance verification tests (ASTM E1421)
13.	Atmospheric Compensation	System should have minimized effect of atmospheric water and CO <sub>2</sub> on the sample spectra without the need for reference or calibration spectra.
14.	Measurement Mode	Fully automated IR Microscope with Transmission, Reflectance and ATR (at least 100µm tip or more) mode for microanalysis of trace components.
15.	Sampling mode	System should be quoted with macro sampling module of different form of samples, like liquid, gel, paste, powders, solids, films, etc. or Transmission, reflection and ATR mode for analysis.
16.	Wide-field camera	High resolution / High-definition fast CMOS Camera 5 MP or equivalent technology.
17.	Laser warranty	10 years or more
18.	Detector FTIR-ATR- MICROSCOPE	Deuterated L-Alanine doped Triglycine Sulphate (DLATGS) / Deuterated Triglycine Sulphate (DTGS) / TEC-MCT
19.	Microscope Detector Capability	<ol style="list-style-type: none"> <li>It should be able to map the designated area and generate image with minimum speed of 5 spectra / second @ 4cm<sup>-1</sup>.</li> <li>FT-IR microscope should be available with at least 8 x objectives for measurements in transmission, reflection and attenuated total reflection (ATR) with digital zooming facility.</li> <li>The FT-IR Microscope should be supplied with two detectors and should be software selectable. <ul style="list-style-type: none"> <li>DTGS detector</li> <li>Liquid nitrogen cooled MCT detector</li> </ul> </li> <li>The FT-IR Microscope should be upgradeable with Focal Plane Array (FPA) imaging detector with 32x32 pixel detector element or linear array detector and Pixel resolution of minimum 5 µm for transmission and reflection mode for ATR mode minimum 1µm.</li> <li>Liquid nitrogen dewar of 1 liter and liquid nitrogen container of at least 50 liters should be provided.</li> </ol>
20.	Features & Specification	<ol style="list-style-type: none"> <li>The system should be of GLP/GMP compliance.</li> <li>The system should provide very intuitive software. The full process of data acquisition, data processing, data evaluation and data visualization / reporting should be managed by single all-in-one software.</li> <li>The software should show an overlay of IR-images in 2D and 3D plots on top of the visual image or Software should have real time data display and Full spectra are live during data collection. Integral video camera provides on-screen visible image. Sampling points for all data collection modes are defined by direct interaction with live visible image or equivalent technology.</li> <li>Germanium micro-ATR should be quoted with Built-in pressure monitoring sensor device with custom adjustable maximum pressure</li> </ol>

		<p>with fine control. <b>Or</b></p> <p>Should be supplied with fully integrated automated Ge micro-ATR with motorized drive and pressure control. Fully operated from software with automatic pressure sensing and adjustable force control.</p> <p>v. Validation disc with NIST polystyrene for Transmission, reflection, ATR with certificate should be provided.</p>
21.	Software	<p>Software should have built-in validation program. System should have self-diagnostics after Initialization. Software should have provision for creation of user library. Should have search functions like Spectral search, Peak search, Text search and combination search. Software should have the capability to do point analysis, line mapping and grid mapping in a single measurement.</p>
22.	Library	<p>i. Suitable libraries containing of compounds consist of pesticides, natural products, minerals, organic compounds, Inorganic compounds polymers, additives, plasticizers, fillers, building materials, white powders, dyes, paints, coatings etc. must be quoted. Forensic Library, Enhanced Georgia state crime lab library, Hummel Polymer and additives, common materials &amp; white powders, Inorganics ,vapour phase FTIR Drug Library for Narcotics, NPS and illicit drugs should also be quoted.</p> <p>ii. Standard Narcotics and other pharmaceuticals, household and industrial spectra library with minimum of 10,000 compounds or more.</p> <p>iii. with over 30000 spectra including forensic libraries, Georgia state crime lab drug, common .</p> <p>iv. Forensic Library of illicit and licit drugs in various morphologies physical states, and salt forms, as well as drug precursors, diluents and contaminants. Chemical reagents and spectra of other substances encountered as physical evidence.Canadian / Toronto library must be supplied by the OEM/Bidder/Supplier.</p> <p>v. Licensed IR Library (S.T. Japan/Wiley) with more than 10,000 Spectra each for Polymer and Forensic compounds must be quoted.</p>
23.	Accessories	<p>i. 4 nos. Chemical based Dehumidifier (room size: 8 feet x 10 feet) unit complete with desiccant rotor section fitted with rotor drive, regeneration module with electric or steam heaters, g4 grade regeneration filter and the regeneration fan/motor assembly. The desiccant wheel shall be constructed from a unique high temperature substrate media corrugated and impregnated with a non- migrating water selective low temperature regenerating desiccant. Digital RH Controller, sensor with RH &amp; Temperature Display. Should be 24 x 7 operable and maintain maximum 40 % humidity control.</p> <p>ii. Sample Preparation Accessories: 15 Ton Hydraulic Press, Agate Mortar Pestle, KBr Die Set, KBr Powder, and Liquid demountable Cell with KBr windows.</p> <p>iii. Abrasion kit (1 no.) must be supplied by the OEM/Supplier/ Bidder)</p> <p>iv. Sample preparation Kit containing carbide blade, roller and knife, needles, tweezers etc. must be offered. BaF2 window, Gold coated reflectance slides – 5 nos. should be quoted.</p>
24.	Room Renovation	<p>i. New room partition for FTIR-ATR-MICROSCOPE IMAGING SYSTEM.</p> <p>ii. Hard and water proof ply with glass partitions.(approx. 23 ft x 13 ft)</p> <p>iii. AC for maintain of Climate and humidity.</p>

25.	PCs, UPS, Printer and software	i. Integrated Computer system with minimum 5years onsite warranty and must be following minimum configuration. A standalone PC should be there for system control with 12th Gen Intel® Core™ i7-12700 (25 MB cache, 12 cores, 20 threads, 2.10 GHz to 4.90 GHz Turbo, 65 W), Windows 11 Pro, English, 32 GB, 2 x 16 GB, DDR5, 1 TB, M.2 2280, PCIe NVMe, SSD, Class 40, , 92% Efficient, 80 Plus Platinum, V2, Monitor size 29" or more and latest laser B/W duplex Colour Printer for printing of reports / results along with 3 sets of additional printing cartridges. 500 W internal power supply unit (PSU).
26.	UPS for FTIR-ATR-MICROSCOPE IMAGING SYSTEM system	i. 5 KVA or more Online UPS suitable for the "FTIR-ATR-MICROSCOPE IMAGING SYSTEM" must be of a reputed manufacturer. ii. UPS from reputed manufacturer for uninterrupted (real-time) power supply with a backup time of minimum 30 minutes for PC. UPS must come with in-built isolation transformer maintenance free batteries. iii. UPS must come with three years or more warranty and 5 years or more warranty on batteries from the date of installation.
27.	Warranty	i. 5 years from the date of installation for all parts including CMC for FTIR-ATR-MICROSCOPE IMAGING SYSTEM. ii. 10 years of warranty on Laser, Interferometer and Detector must be provided by the OEM.
28.	INSTALLATION AND TRAINING	i. IQ & OQ& PQ should be done at the place of install by the Bidder / Supplier / OEM. ii. The FTIR-ATR-MICROSCOPE IMAGING SYSTEM should be supplied in prescribed time period, installed by trained technical person, demonstrated and operational training to be imparted to Scientists and technical officers (minimum 5 or more persons) at State F.S.L. Bhubaneswar Chemistry laboratory till satisfactory. iii. Calibration certificates, Warranty certificates and installation certificate, as applicable, shall be provided along with the supply of the item. iv. Two sets of hard copies of the manuals with circuit diagrams and descriptions along with soft copy shall be supplied along with the FTIR-ATR-MICROSCOPE IMAGING SYSTEM.
29.	GENERAL TERM & CONDITION	i. The above equipment has to be supplied along with its all accessories, installed, and commissioned for functional and performance testing at <b>SFSL BHUBANESWAR Laboratory</b> . ii. Stand alone system for FTIR-ATR and Microscope Imaging System. FTIR and Microscope both can run independently. iii. The offered system should be complete and all essential cables, interfaces and other parts should be supplied with the system. iv. Offer must clearly specify list of standard accessories supplied with the main Instrument. v. Maintenance to be performed by a OEM service engineer, or trained distributor. vi. Life Span Certificate must be provided by the OEM. vii. Supplier must support annual maintenance of the instrument after expiry of the warranty of the instrument. viii. Must provide PBG (performance bank guarantee) for 3 years. ix. Service- should have all the spares stock in Local service office. x. In case of instrument breakdown OEM / Supplier / Bidder must supply all the consumables and accessories of the instrument free of cost for 5 years if required without any conditions. xi. OEM / Supplier / Bidder must check and rectify the power supply like earthing and supply current before installation for the entire

		<p>equipment.</p> <p>xii. OEM should also certify that they will upgrade the software free of cost whenever such up gradation occurs.</p> <p>xiii. All the Quoted technical specification should be available on manufactures website/catalogue to judge the authenticity of technical specification. Separate sheet will not accept.</p> <p>xiv. 10 years assurance for providing spares and other requirement for running the supplied model of FTIR-ATR-MICROSCOPE IMAGING SYSTEM in State F.S.L. Bhubaneswar.</p> <p>xv. Comprehensive warranty (on-site) and maintenance (with factory trained engineer) for minimum 5 year for all parts including labour with co-maintenance and service and free shipping on all warranty items and also for regular up gradation to all software during the entire warranty period from the date of installation.</p> <p>xvi. Supplier / Bidder should have produce the past performance certificate of the similar item from reputed laboratory / Forensic laboratories / Govt. organization.</p> <p>xvii. Response time to attend any fault of this warranty shall 48 – 72 hrs.</p>
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**The bidder has to submit the tender specific valid authorization certificate(s) from the Original Equipment Manufacturers (OEMs) for the entire product which is mentioned in Technical Specification above**

#### 8. Qualification Criteria

The bidder must meet the below eligibility criteria to be considered for further shortlisting purpose

Sr. No.	Basic Requirement	Specific Requirement	Documents Required
1	Entity Type	<p>Bidder must be Company registered under Companies Act, 1956 or any of its amendments thereafter</p> <p>or</p> <p>Partnership registered under Indian Partnership Act, 1932 or any of its amendments thereafter</p> <p>or</p> <p>Proprietor registered under Shops and Establishment Act</p>	<ul style="list-style-type: none"> <li>• Copy of Certificate of incorporation / Registration certificate with relevant authority</li> <li>• PAN Card</li> <li>• GST Registration certificate and GST Clearance certificate upto March 2023</li> </ul>
2	Existence of Firm	The Bidder should be in business in the supply FTIR-ATR-Microscope Imaging System to govt agencies for at least last Five (5) years as on date of bid submission	<ul style="list-style-type: none"> <li>• Work order or Agreement</li> <li>Or</li> <li>• Payment Proof</li> <li>Or</li> <li>• Completion Certificates or Satisfactory Certificate</li> <li>Or</li> </ul>

			• Delivery Challan
3	Turnover	The Bidder shall have average annual turnover of not less than 7 crores and OEM 14 Crores in last three consecutive financial years out of last four financial years (Financial years 2020-21, 2021-22, 2022-23,2023-24)	CA Certificate/ Audited Balance Sheet clearly stating turnover
4	Relevant Experience	The bidder must have supplied atleast <b>1 FTIR-ATR-Imaging System/ Similar product</b> to any Govt Agencies in last 3 years as on date of bid submission.	Work order copy from the client stating the quantity of equipment supplied
5	After sale support	The bidder and his OEMs shall have adequate repair facilities for repair of faulty equipment in India.	A documentary proof to the signed by both the bidder and his OEM must be submitted along with the bid
5	Blacklisting And Pending Petitions	Bidder shall not have been debarred / blacklisted till bidding period by Central Govt. /State Govt. / Public Sector Undertaking / any other Local Body or body established under or in the control of the Central or state Government on the date of submission of their Bid.	Self-certification on furnished with 20 rupees stamp paper

The bidder meeting the criteria mentioned above shall be eligible for financial bid opening.

#### 9. Evaluation of Bid

Selection may be made on LCSLeast Cost Selection method, whichmean the bidder quoting the lowest rate shall be identified as preferred bidder.

#### 10. Deliverables

Vendors need to supply the FTIR-ATR-Microscope Imaging System within 30 days from date of issuance of Purchase order.

Delivery Address:

Name of Office : O/o Director State FSL

Address :Rasulgarh, Bhubaneswar, 751010

Contact Details : difsfsl.orpol@nic.in **Payment Terms**

**11. 100% payment on successful delivery of the entire quantity**

**12. Performance Security**

The Bidder shall be submitting the Performance Security equivalent to 5% of the agreement value in the form of a Bank Guarantee

**13. Conflict of Interest**

Conflict of interest exists in the event of conflicting assignments, typically monitoring and evaluation of the mandate being executed by the selected bidder in the future.

**14. Anti-corruption Measure**

- a) Any effort by Bidder(s) to influence the Authority in the evaluation and ranking of commercial proposals, and recommendation for award of contract, will result in the rejection of the proposal.
- b) A recommendation for award of Contract shall be rejected if it is determined that the recommended bidder has directly, or through an agent, engaged incorrupt, fraudulent, collusive, or coercive practices in competing for the contract in question.
- c) In such cases, the Authority shall blacklist the bidder either indefinitely or for a stated period of time, disqualifying it from participating in any related bidding process for the said period.

**15. Legal Jurisdiction**

All legal disputes between the parties shall be subject to the exclusive jurisdiction of the Courts in Cuttack only.



## **Annexures**

## 16. Annexure 1 : Technical Bid Format

### Technical Bid Format

#### (To be submitted in Technical Bid Envelope)

The documents have to be arranged serially as per order mentioned below:

1	Name of the Firm/Company	
2	Name of the Authorized Signatory and Designation	
3	Address & Contact Details	
4	E-mail ID	
5	Registration Details: Company / Firm	Certificate of Incorporation/ Registration PAN Card GST Registration Certificate Bank Account & RTGS details
6	Experience in similar field	Work order/Contract Agreement Copy Filled up for per Annexure-2
7	Annual average turnover of bidder Rs.7 Crs. and OEM 14 Crs. in the last three financial years (i. 2021-22, 22-23 and 23-24)	Annual Turnover Statement certified by Chartered Accountant as per Annexure-3 Filed IT return of last 3 years
8	The Firm/ Agency should not have been blacklisted/banned by Central/State Govt. & PSU/ CPSEs	Self-certification on furnished with 20 rupees stamp paper
9	Submission of undertakings for Bid terms & conditions acceptance.	To be submitted on the Letter Head
11	Non-refundable RFP Document Fee of Rs.-590/- (including GST)	Demand Draft In favour of A.I.G. of Police (Prov.), Odisha, Cuttack payable at Cuttack.
12	Earnest Money Deposit (EMD) of Rs.7,00,000/- along with Offer Document.	Demand Draft In favour of A.I.G. of Police (Prov.), Odisha, Cuttack payable at Cuttack.

**Place:**

**Date:**

**Bidder's Signature**

**17. Annexure 2:Summary of Technical Capability**

**(To be submitted in Technical Bid Envelope)**

<b>Name of the Assignment</b>	<b>Name/ Address of the Organization</b>	<b>Date of Award of Assignment</b>	<b>Value of Work Order In Rs.</b>

**Note:** Please furnish the Work order/Contract Agreement copy only in support of the information mentioned above.

**Place:**

**Date:**

**Bidder's  
Signature**

**18. Annexure 3: Financial Capability of Bidder/Agency Annual**

**Turnover Statement (To be signed by Certified Chartered Accountants)**

**(To be part of Technical Bid Envelope)**

The Average Annual Turnover for the last three financial years of M/s \_\_\_\_\_ Are given below and certified that the statement is true and correct.

Year	Annual Turnover in Rs.	Average Annual Turnover
2021-22		
2022-23		
2023-24		

Average annual turnover for the above three years in Rs. (In words \_\_\_\_\_)

**Date:**

**Signature of Auditor/**

**Chartered Accountant**

**Place:**

**Name:**

**Seal:**

**19. Annexure 4: Template of financial bid**

**(To be submitted in Financial Bid Envelope)**

<b>SI No.</b>	<b>Description of Item</b>	<b>Qty</b>	<b>Amount Quoted by the bidder (INR)</b>
1	Cost of supplying FTIR-ATR-Microscope Imaging System	1	
	<b>Total</b>		

Note:

1. The quoted rates shall be inclusive of Logistics, packaging and training and all other conditions mentioned in the RFP document.
2. All Quoted rates are inclusive of GST.

**Date:**

**Place:**  
**Bidder's Signature**

**20. Annexure 5 : Format for Pre-Bid Queries**

<b>Name of the Bidder</b>				
<b>Name of the Sender</b>				
<b>Designation</b>				
<b>Sr. No.</b>	<b>Page no.</b>	<b>Clause Reference</b>	<b>Clause Description</b>	<b>Modification/ Clarification required</b>

**Certificate for Prevention of Corruption Act / non Debarment Certificate**

"I certify that I have not committed any offence-

(a) Under the Prevention of Corruption Act, 1988;

or

(b) The Indian Penal Code or any other law for the time being in force, for causing any loss of life or property or causing a threat to public health as part of execution of a public procurement contract.

(c) I have not been debarred by any Central / State Government Organization/Bodies for the last 3 years."

Signature with designation.

**Please note that non-submission of this certificate will lead to disqualification.**

**Manufacturer's Authorization Form (MAF)**

**(To be submitted on OEM Letterhead)**

Ref. No. \_\_\_\_\_ Dated \_\_\_\_\_

To

The A.I.G. of Police (Provisioning),

Odisha, Cuttack.

Dear Sir,

Tender Reference No./ NIT / GeM Bid No. : \_\_\_\_\_

Name of the item:

We M/s. \_\_\_\_\_ who are established and reputable manufacturers of \_\_\_\_\_  
do hereby authorize M/s. \_\_\_\_\_ (Name and address of Agent / Dealer) to participate in the above tender.

We hereby extend our technical assistance to the bidder during installation and inspection of the product.

We hereby certify that, the equipments being sold would not be declared End of Support (EoS) or become obsolete in the next 5 years. Also, we certify that the products being sold would be covered under Warranty / Support and OEM support will be available for \_\_\_\_ years ( as specified in the GeM Bid / Tender / NIT No.) from the date of installation, even in the case, the bidder becomes "Out of service".

We have studied the requirements of the product and confirm that we will adhere to the specifications of the tender and quality plan and extend all support during the inspection and provide documentary evidence at the time of inspection for the verification by Client/Client's representative.

Yours faithfully

(Name)

For and on behalf of M/s. \_\_\_\_\_

(Name of manufacturers)