#### TATA INSTITUTE OF FUNDAMENTAL RESEARCH

Plot No.36/P, Gopanpally Village, Serilingampally Mandal, Ranga Reddy District. Hyderabad - 500 107, Telangana, India.

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Date: 11-03-2020

Notice Inviting Tender cum Tender Document (Two Part Public Tender) for the following items:

Supply, Installation, Commissioning of X-Ray Photoelectron Spectroscopy (XPS) for TIFR Hyderabad.

As per our technical specifications: Qty. – 1 No.

Public Tender No.	TFR/PD/IC19-27/19027
Published on	12-03-2020
	For Indian Supplier - Rs. 700/-
Tender Fees	For Foreign Supplier-USD 100
	For Indian Supplier - Rs. 6,00,000/-
EMD	For Foreign Supplier - USD 8383
Estimated Cost (Estimated cost upto TIFR, Hyderabad inclusive of all applicable charges)	Rs. 300 Lakhs
Last Date for Submission of Bid	06-04-2020 upto 13.00 Hrs.
Date of Opening Bids(Part A)	06-04-2020 at 15.00 Hrs.

**Both Technical Bid (Part A) and Financial Bid (Part B)** to be submitted within the due date and time in separate envelopes and marked on top as Part A and Part B. These two sealed envelopes should be further put in one Master Envelope super scribed with the Tender No., Due Date in Bold Letters.

Please see attached sheet for conditions of tender.

Note: All future corrigendum/addendum will be published in TIFR Hyderabad website only. All prospective bidders are requested to visit our website regularly for any such updates/Corrigendum/Addendum.

ADMINISTRATIVE OFFICER (PURCHASE SECTION) TIFR, HYDERABAD

#### **SCOPE OF SUPPLY - Annexure A**

### Technical Specifications for Supply, Installation, Commissioning of X-Ray Photoelectron Spectroscopy (XPS)

#### **TENDER TECHNICAL SPECIFICATION COMPLIANCE SHEET**

SR	XPS TENDER SPECIFICATION							
NO								
	Proposed electron spectroscopy for chemical analysis (ESCA) system must be able to characterize conducting and							
	insulating solid materials, including: metals, semiconductors, polymers, glasses, ceramics, and powders by using							
	X-ray photoelectron spectroscopy (XPS) and Ultra-violet photoelectron spectroscopy (UPS) with Heating &							
	Cooling Stage having possibility of the integration of high resolution Scanning FEG Auger Spectroscopy in future.							
	UHV SYSTEM							
1	The UHV system must have a two-chamber configuration, consisting of an analysis chamber and sample							
	introduction chamber and must have provisions for field up-gradation to add Scanning Auger Microprobe.							
2	The analysis chamber should be made of μ- metal to facilitate low noise XPS and UPS measurements.							
3	The UHV system should have a turbo-molecular pump backed up by a rotary pump.							
4	The analysis chamber should have a titanium sublimation pump to achieve pressure of the order of $10^{-10}$ Torr or							
	lesser.							
	Cuitable veguing name gentuelland gauges and negacions into the abould be provided. The gate valve (a)							
5	Suitable vacuum pump controllers, gauges and necessary interlocks should be provided. The gate valve(s)							
	separating the analysis and the introduction chambers should be of electro-pneumatic type.							
6	A set of safety and interlock features protecting the integrity of vacuum system, in -vacuum components and							
	electronics in case of power failure, vacuum failure and disruption of water supply, must be provided.							
	below the state of							

#### X-RAY SOURCE

Al Kα monochromatic X-ray source (with a provision to upgrade possible other sources such as Ga Kα in future) with minimum 400 W power or higher. Possibility to upgrade software controlled fully automated dual anode (Al/Ag) X-ray monochromatic source in future and should be quoted as optional.

The following XPS count rate and energy resolution as a function of analysis area (FWHM of the peak of Ag3d5/2) should be demonstrated.

Analysis	Sensitivity	Resolutio	
Size(diame	(cps of	n (FWHM	
ter)	Ag3d5/2		
	peak)	of	
		Ag3d5/2	
		peak)	
≤15.0µm	≥5kcps	≤0.60eV	
≤30.0µm	≥25kcps	≤0.60eV	
Large area	≥2Mcps	≤1.00eV	

All intensities refer to the maximum count rate in the  $Ag3d_{5/2}$  photoelectron peak of a cleaned silver sample excited by  $AlK\alpha$  radiation.

Performance on insulators (Al monochromatic X-ray excitation source only)

Resolution(eV )	700x 300 μm	110 μm
0.68eV	20,000 (in	3,000 (in cps)
1.0eV	150,000 (in	20,000 (in cps)
1.3eV	300,000 (in	30,000 (in cps)

This performance should be guaranteed on a clean polyethyleneterephthalate(PET) sample.

#### ANALYSIS AREA (SPOT SIZES)

The analysis spot size should be in the range of 15  $\mu$ m to 300  $\mu$ m and should have error-free positioning of the X-ray beam/analysis area to allow small area XPS analysis.

	ELECTRON ENERGY ANALYZER AND DETECTOR
1	150 mm or better mean radius hemispherical sector analyser for high electron transmission.
2	A hemispherical analyser capable of low noise XPS, UPS and Auger should be provided. The intrinsic resolution of the analyser must be 20 meV or better.
3	The detector system must have high resolution, compatible with the analyzer, to perform XPS and UPS measurements and provide (i) survey spectra and narrow region spectra from elements of interest, in both scanning and spectroscopic modes with 128 chaneltrons or better.
4	The analyser should be capable of quantitative chemical state XPS imaging/mapping with a lateral resolution of less than 5 µm or better.
5	XPS system must have Angle resolve XPS features with specification as below or better
	Automated five axis X,Y,Z, $\theta$ , $\Phi$ precision manipulator system for translation of the sample holders. The axes driven by software-controlled stepper motors with the following stage travel: X-axis: 150 mm, Y-axis: ± 15 mm, Z-axis: -12 mm to +6 mm, $\theta$ X-rotation: ± 90°, $\Phi$ Z-rotation: ± 180° or better.
6	The detector system must have high resolution, compatible with the analyzer, to perform XPS and UPS measurements and provided (i) survey spectra and narrow region spectra from elements of interest, in both scanning and snapshot (or unscanned spectroscopic acquisition) modes. The overall XPS energy resolution and sensitivity for the above modes must be specified.
	SYSTEM SENSITIVITY AND RESOLUTION
	The XPS resolution and sensitivity measured for Ag3d5/2 signal for monochromatic X-ray source must be as follows:
	Minimum guaranteed sensitivity at high energy resolution: 200K CPS at ≤0.50 eV (FWHM) or better.

•	Sensitivity – Measured on the Ag 3d <sub>5/2</sub> photoelectron peak:	
Minimum se	ensitivity for XPS analysis at 20 $\mu m$ or less spot size: 1500 CPS at 0.48 eV FWHM or better	•
	olution in XPS imaging mode – defined by recording the 80/20 decrease in signal across atteral resolution in XPS imaging mode: 5 μm or better.	a sharp ed
	CHARGE NEUTRALIZATION	
The instrum	nent should be equipped with a robust charge neutralization capability. It should be softw	are
controlled v	vith minimum parameter adjustments for all sample types, as described above. The charg	ge
	on must be demonstrated on clean standard polyethylene terephthalate (PET) or a sampl	
	resistivity	
comparable	resistivity.	
comparable	Tesisuvity.	
-	ce on Electrically Insulating Materials – Measured on PET, defined as the ester peak	k resoluti
Performan	ce on Electrically Insulating Materials – Measured on PET, defined as the ester peak	k resoluti
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Performan (FWHM) m	ce on Electrically Insulating Materials – Measured on PET, defined as the ester peak	k resolutio
Performan (FWHM) m	ce on Electrically Insulating Materials – Measured on PET, defined as the ester peake easured against the hydrocarbon peak sensitivity:  Tesolution of at 0.68 eV FWHM with a sensitivity of 15 KCPS or better.	k resolutio
Performan (FWHM) m Ester peak r	ce on Electrically Insulating Materials – Measured on PET, defined as the ester peak easured against the hydrocarbon peak sensitivity:  resolution of at 0.68 eV FWHM with a sensitivity of 15 KCPS or better.  ION SOURCE	
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Performant (FWHM) m Ester peak r A software of speed depth supplied. Or Ion source s	ce on Electrically Insulating Materials – Measured on PET, defined as the ester peak easured against the hydrocarbon peak sensitivity:  resolution of at 0.68 eV FWHM with a sensitivity of 15 KCPS or better.  ION SOURCE controlled, scanable, fine focused 4-5keVArion source must be provided for surface clear profiling. Suitable gas admittance system, differential pumping and source power suption should be available at site to upgrade to gas cluster on source.  Should have below specification or better.  Accelerating voltage Sample current nA Etch rate nm min-1	ning and h
Performante (FWHM) m  Ester peak records A software of speed depth supplied. Or long source series.	ce on Electrically Insulating Materials – Measured on PET, defined as the ester peak easured against the hydrocarbon peak sensitivity:  resolution of at 0.68 eV FWHM with a sensitivity of 15 KCPS or better.  ION SOURCE  controlled, scanable, fine focused 4-5keVArion source must be provided for surface clear profiling. Suitable gas admittance system, differential pumping and source power suption should be available at site to upgrade to gas cluster on source.  Should have below specification or better.  Accelerating voltage Sample current nA Etch rate	ning and h

	UV SOURCE FOR UPS
	UV discharge lamp (with controllable intensity) to generate He-I and He-II lines (with a possible integration
	of monochromator) of high intensity and narrow line width to perform UPS experiments with a resolution of
	0.15 eV, or better, must be provided. The required gas admittance system, differential pumping and source
	power supply must be provided. UPS system should be fully automated with piezoelectric valve.
	SAMPLE HOLDER AND MANIPULATOR
1	One or more sample holders need to be provided, so that single and multiple samples can be loaded in the
	analysis chamber, to meet the requirements detailed below:
2	It should be possible to analyse a single sample of effective area, about 25 cm <sup>2</sup> ,
	or larger.
3	It should be possible to place a single large area sample (about 25 cm <sup>2</sup> ) or several smaller samples over the
	sample holder and transfer from the introduction chamber to the analysis chamber by an easy-to-use push pull
	type mechanism. Automatic sample loading & exchange preferred and if available as option should be quoted.
	The second of th
4	The sample stage must be provided with an automated 5 axis manipulator with x, y, z, theta and compucentric
	azimuthal rotation.
5	The sample stage must be capable of performing angle resolved XPS measurements on at least, one sample at a
	time with full $\pm 90^{\circ}$ sample tilt.
6	All operations of the sample manipulator must be software controlled, including sequential selection of multiple
	samples for analysis, placed on a single sample holder.
7	Standard samples for calibration must be provided to periodically check system performance & preferred to be
′	placed all time in the sample analysis chamber.
	ION SCATTERING SPECTROSCOPY (ISS) KIT
	Ion scattering spectroscopy to be carried out using Ar+ or He+ ions.
	ACCESSORIES
1	A single cabinet for all electronic units, either integrated or separated from the main system should be provided.
	Bakeout frames/panels and the required heaters, temperature regulator with sensor and timer should be
	parcout frames/paneis and the required heaters, temperature regulator with sensor and timer should be

	provided.
3	Protection during baking, against power, water circulation and vacuum failure should be provided.
4	Closed circuit water cooling system of the required specifications for the complete system, including, the pumps and X-ray source should be provided.
5	Online uninterruptible power supply with 1 hour of backup for the entire system (including water chiller, but excluding bake-out heaters) should be provided.
6	Gas regulators, cylinders, piping etc. should be quoted, supplied and installed by the vendor or a 3 <sup>rd</sup> party.
	OTHER ESSENTIAL REQUIREMENTS
1	The system performance must be demonstrated as per specifications during the installation.
2	A written commitment must be provided for after-sales-services, during the period of warranty / maintenance contract, ensuring the following:
(i)	Presence of a dedicated and factory trained technical personnel in India.
(ii)	Commitment to attend breakdown/ maintenance related problems within a period of one week.
(iii)	Immediate follow-up action, which will include providing quotations for replacement parts (if required) within a period of two weeks.
3	On-site training must be provided to operators.
4	A guarantee of the availability of spare parts for, at least, 7 years or more must be provided.
5	Operation manuals for the complete system must be provided, preferably, along with the service and maintenance manuals.
	COMPUTER & SOFTWARE
1	The system must be completely controlled with an IBM-compatible computer. All softwares must be provided and compatible with the latest version of Windows 10. An additional IBM compatible PC with monitor should be provided.
2	Control software packages for standard photoelectron spectroscopy as well as automated sequence of analysis, such as depth profiling or angle resolved experiments must be available. It should be possible to pre-configure all the parameters and the sequence of tasks for unattended measurements.
3	Data processing software with the necessary database must be provided with institute / multiuser (up to 10) license.

#### **UPGRADES**

Supplied system should be upgradable to various techniques like Ion Scattering Spectroscopy [ISS], Separate Sample Preparation Chamber, Heating – Cooling Stage and XPS system must be compatible with SSC [Surface Science Station] having XYZ $\theta$  sample stage and primary pumping with Turbo molecular pump 400ls<sup>-1</sup> with guaranteed minimum pressure of  $<5x10^{-10}$ torr. RDC [Radial Distribution Chamber] for interfacing with other instruments, hard X-ray integration etc. in future.

#### NOTE:

- 1. The bidder should attach the point by point technical specification provided in the tender in a tabulation format and fill the technical compliance (with additional remarks if any) along with the bid.
- 2. The bidder should ensure the following:
- A. Earnest Money Deposit (EMD), tender fee submission.
- B. Attachment of Annexure B (Audited Annual Turnover Certified by CA).
- C. Attachment of Annexure C (Supplier order details with copy document) along with the bid as per tender terms & conditions.

#### **Audited Annual Turnover**

#### <u>Annexure - B</u>

S.No.	Financial/ Accounting Year	Profit (Rs.)	Loss (Rs.)	Annual Turnover (in INR)
1.				
2.				
3.				

**Authorized Signatory with Seal** 

#### Note:

This Audited Annual Turnover (Annexure – B) for the last 3 years should be certified by Chartered Accountant (CA) as per the format given above duly signed and stamped by the CA on their letterhead.

# Supply Order details of X-Ray Photoelectron Spectroscopy (XPS) to Other Firms.

#### <u>Annexure - C</u>

S.No.	Name of the company with full address	Name of the Project	Purchase Order No. & Date	Brief Item  Description  with Model  No.	Item Value in Currency
Signat	ure				
Name					
Design	nation				
Name	of the Company				
Date					
Seal of	f the Company				

NOTE: Please attach the copy documents / purchase order copy for the above mentioned details.

### TATA INSTITUTE OF FUNDAMENTAL RESEARCH Centre for Interdisciplinary Sciences

Plot No.36/P, Gopanpally Village, Serilingampally Mandal, Ranga Reddy District. Hyderabad - 500 107, Telangana, India. (PURCHASE SECTION)

1. PART "A" (Technical Bid) consisting of Technical Bid with Commercial Terms and PART "B" (Financial Bid) consisting of only Price shall be submitted in separate sealed envelopes duly superscribed with the tender enquiry number, and the due date in bold letters, addressed to the Administrative Officer, Tata Institute of Fundamental Research, Plot No.36/P, Gopanpally Village, Serilingampally Mandal, Ranga Reddy District. Hyderabad-500 107, Telangana, India. The envelopes should be clearly marked on top as either PART "A" or PART "B".

The two sealed covers should be further put in a master cover superscribed with the Tender Enquiry No., Due Date in bold letters, addressed to the Purchase Officer, Tata Institute of Fundamental Research, Plot No.36/P, Gopanpally Village, Serilingampally Mandal, Ranga Reddy District. Hyderabad-500 107, Telangana, India. The sealed master envelop has to be delivered by hand/courier at the security Gate Office of TIFR-TCIS on or before 13.00 hrs. on the due date specified. The technical bid will be opened in the presence of attending tenderers at 15.00 hrs. on the due date at Purchase Section, TIFR-TCIS, Hyderabad. Tenders submitted after 13.00 hrs. on due date will not be considered.

- 2. In case the PART "A" and Part "B" bids are not sealed in separate envelopes the tender will be rejected.
- 3. The technical bid should not contain any indication of the price. The bidder should take special care not to mention anything related to pricing and costing aspect of whatsoever nature. The technical bid should include/contain only technical specifications, technical literature, drawing, quantity, manufacturing and delivery schedule, mode and terms of payment, mode of dispatch, the quantum and percentage of statutory levies payable by the purchaser as extra and all related commercial terms and conditions for the supply and for the services like erection and commissioning to be rendered by the tenderer. The details of the validity of the tender should also be indicated along with the commercial details.
- 4. After scrutiny of Technical Bids, Financial bids of only those bidders who are shortlisted on technical basis will be opened at on later date. The opening date, time and venue will be intimated to the technically successful bidder.
- 5. All the bidders/contractors should provide Company Authorization Letter duly signed and stamped by Competent Authority to participate in the tender related meetings at TIFR Hyderabad.

#### 6. Tender Document Fee:

- a. For Indian Supplier: Tender fee for Rs. 700/- (Non-refundable) in the form of D.D. in favour of "TIFR Centre for Interdisciplinary Sciences", payable at Hyderabad to be enclosed with the Technical Bid (Part A).
- b. For Foreign Supplier: Tender fee of USD 100 (Non-refundable) in the form of advance cheque in favour of "TIFR Centre for Interdisciplinary Sciences", payable at Hyderabad to be enclosed with the Technical Bid (Part A).

#### 7. Earnest Money Deposit (EMD):

- a. For Indian Supplier: Earnest Money Deposit (EMD) for Rs. 6,00,000/-in the form of D.D. in favour of "TIFR Centre for Interdisciplinary Sciences", payable at Hyderabad to be enclosed along with the technical Bid (Part A).
- b. For Foreign Supplier: Earnest Money (EMD) for USD 8383 in the form of advance cheque in favour of "TIFR Centre for Interdisciplinary Sciences", payable at Hyderabad to be enclosed with the Technical Bid (Part A).

EMD shall be interest free and it will be refunded to the unsuccessful bidder without any interest. EMD will be forfeited if the bidder withdraws or amend impairs orderogates from the tender in any respect.

- 8. Bidders who have not accepted the job/order awarded to them or withdrawn from the tender process OR whose EMD/Security deposit has been forfeited in the past, their bids will not be considered and treated as ineligible / disqualified.
- 9. After downloading the documents please inform your company details such as name, address, telephone nos., contact person and email address etc. by email to us (<a href="mailto:purchasegroup@tifrh.res.in">purchasegroup@tifrh.res.in</a>, <a href="mailto:jrathna@tifrh.res.in">jrathna@tifrh.res.in</a>) to enable us to inform prospective bidder for any corrigendum/changes if any; in the Tender document before due date.
- 10. Quotations must be valid for a period of 180 days from the due date.
- 11. Tenders containing correction, overwriting will not be considered. Late or delayed/Unsolicited quotations/offers shall not be considered at all. These will be returned to the firms as it is. Post tender revisions/corrections shall also not be considered.
- 12. Tenderer should sign on all the pages of the technical bid and the price bid.

- 13. The price quoted for Import item must be on following basis:
  - a. Ex-Work/factory duly packed airworthy/seaworthy and of international standard
  - b. FOB/FCA
  - c. CIF Hyderabad, Airport Port (all-inclusive i.e. Cost of Goods, Packing, Insurance, Inland transportation, freight etc.)

For local item /supply, offer should be on FOR basis (i.e. total landed cost for delivery at TIFR-TCIS, Hyderabad).

The dimension of the item (viz. H, W, L, weight etc.) shall be specifically stated and also mention whether the mode of shipping the item is Airworthiness / Seaworthiness or both. Accordingly the mode of shipment will be decided by TIFR-TCIS.

# Price must be quoted in the Price Bid Format attached herewith as "Part -B" (Financial Bid).

- 14. If equipment offered is to be imported, arrangements for import will be made by us.
- 15. Tenders who do not comply with any of the condition are liable to be rejected.
- 16. The Institute shall be under no obligation to accept the lowest or any other tender received in response to this tender notice and shall be entitled to reject any tender without assigning any reason whatsoever.
- 17. TIFR reserves the right to place the order for part/reduced quantity than what is specified in the tender.
- 18. **Performance Security**: The Successful bidders should deposit @ 10% of Purchase Order value as Performance Security against issue of order/contract to be submitted within 15 days against issue of order/contract. The performance security shall be in the form of Demand Draft in favour of "TIFR Centre for Interdisciplinary Sciences, Hyderabad" payable at Hyderabad (or) Bank Guarantee from State Bank of India & Associates (or) any one of the Nationalized Banks.

The Performance Security will be returned back to the successful supplier on receipt of the Performance Bank Guarantee (or) The 10% Performance Security Deposit may be extended as Performance Bank Guarantee valid for 60 days beyond the date of completion of all contractual obligations of the supplier including warranty period. Vendor should clearly mention their acceptance to this effect in their quote.

**Performance Bank Guarantee:** Performance Bank Guarantee for 10% of the value of supply should be provided and it should be valid for 60 days beyond the date of completion of all contractual obligations of the supplier including warranty period. Performance Bank Guarantee should be from Nationalised Bank. In case Performance Bank Guarantee is not provided, 90% payment only would be released and balance after 60 days beyond the date of completion of all contractual obligations of the supplier including warranty period. Vendor should clearly mention their acceptance to this effect in their quote.

- 19. **PAYMENT TERMS:** 80% payment shall be made through irrevocable L/C on presentation and receipt of complete, clear shipping documents, against confirmation from TIFR, Hyderabad and balance 20% of the amount shall be released after successful installation, commissioning and acceptance of the equipment certified by purchaser and on submission of "Performance Bank Guarantee (PBG)" for an amount equivalent to 10% of the Purchase Order Value. The PBG shall be valid for a period of 60 days beyond the date of warranty period. The PBG should be from State Bank of India & Associates (or) any one of the Nationalized Banks.
- 20. PAYMENT TERMS FOR INDIGENOUS ITEMS: 100% payment shall be released after receipt, installation, commissioning and acceptance of the equipment.
- 21. **Pre Inspection Report:** The successful bidder should submit the Pre Inspection Report to TIFR Hyderabad before dispatch of the material (if required).
- 22. Repair / replacement if required any during the warranty period, necessary customs clearance charges / customs duty charges, freight charges for sending back the repair material to supplier and import freight charges of replacement should be borne by the supplier.
- 23. For Import cases: No Agency commission will be paid as per Govt. of India rules.
- 24. All bank charges outside India to supplier's account only.
- 25. TIFR is exempted from paying of Custom Duty under the notification No.51/96 dated 23.07.1996, Excise Duty under the notification No.10/97 dated 01.03.1997, for all procurements/supply meant exclusively for Educational, scientific and research purpose. Whenever the exemption certificate not honored by the authorities, the applicable duty will have to be paid. Hence Excise & Custom duties, if any, should be shown separately.

TIFR is a public funded research institute and is entitled to concessional rate of GST @ 5% for certain items supplied for research purpose vide notification no. 45/2017 (CGST) and 45/2017 (IGST) dated 14th Nov, 2017. The offer should be submitted after fully considering the above notification.

26. **TAXES:** TIFR does not have any exemption/concession on payment of Sales Tax and we are not authorized to issue any Sales Tax Form 'C' & 'D'.

Deduction of Indian Income Tax Deduction at Source: The Deduction of Indian Income Tax Deduction at source (TDS) will be deducted as per IT Act. The taxes at the time of actual utilization of service etc. will be deducted if applicable any.

GST rule will be applicable with effect from 01.07.2017. The applicable TDS /other charges if any as per GST rule will be deducted as per new GST regime.

TIFR-Hyderabad GST NO: 36AAATT3951F2ZG.

- 27. Bidders, please provide the PAN No., Bank Details, email ID, Contact person details, GST No etc.
- 27. The Supplier shall arrange to ship the ordered materials within the mutually agreed delivery period mentioned in the order unless extended with/without penalty. Please mention the Delivery Period Clearly in the Bid, however effort to be taken to deliver the materials at the earliest.
  - a. In case of delay in supply on part of the supplier, a penalty @0.5% per week of order value will be charged for delayed period subject to a maximum of 10% order value.
  - b. If the delay in the shipment of the ordered materials attributable to the supplier exceeds agreed time period from the date of original agreed upon date of shipment and extended with/without penalty, the TIFR-TCIS, Hyderabad shall have the right to cancel the contract / purchase order and recover the liquidated damages from other dues of the party or by legal means. It will also affect the other/future business dealings with such suppliers.
  - c. The same rate of penalty shall be applicable for late installation of the equipment/instrument also.
- 28. **COMMENCEMENT OF WARRANTY PERIOD:** The warranty period of an item shall commence from the date of receipt of the item in good working condition and satisfactory installation/commissioning/demonstration at the project site.
- 29. **ANNUAL MAINTENANCE CHARGES:** The bidder must mention in the quotation, the rate/amount of annual maintenance charges, if we opt for maintenance contract after expiry of the warranty period.
- 30. Specifications are basic essence of the product. It must be ensured that the offers must be strictly as per our specifications. At the same time it must be kept in mind that merely copying our specifications in the quotation shall not make the parties eligible for consideration of the quotation. A quotation has to be supported with the printed technical leaflet/literature of the quoted model of the item by the quoting party/manufacturer.
- 31. **OBSERVANCE OF LOCAL LAWS:** Wherever applicable (particularly for Local vendors), the vendor / contractor shall comply with all law, statutory rules & regulations etc. The vendor/ contractor shall obtain all necessary permits / approval from the local Governing Body, Police, and other concerned Authorities as may be required under law. The vendor /contractor shall pay all types of taxes, fees, license charges, deposits, duties, tolls, royalty or other charges that may be leviable account of any of the operations connected with the execution of this work/ contract.
- 32. In case of any interpretational issues arises in this tender, the interpretation/decision of TIFR Hyderabad shall be final and binding on the bidder.

- 33. It is the responsibility of the vendor to make sure that the system being proposed can be exported to India with TIFR Hyderabad as the end user. All clarificatory documentation must be submitted with the Bid.
- 34. TIFR TCIS reserves the right to ask for or to provide any clarification, changes after the release of this tender. Any changes or clarifications provided by TIFR-TCIS, Hyderabad may be checked at TIFR-TCIS website: <a href="https://www.tifrh.res.in/index.php/commercial-tenders">https://www.tifrh.res.in/index.php/commercial-tenders</a>

ADMINISTRATIVE OFFICER
(PURCHASE SECTION)
TIFR, HYDERABAD

## Financial Bid for Supply, Installation, Commissioning of X-Ray Photoelectron Spectroscopy (XPS) for TIFR Hyderabad. (Part - B)

mino 11		·	<u>xure – D</u>			
-	derabad Enquiry No & Date	:				
Due date	e: Quotation Ref No. & Date:_					
	l Bid (Bidders must quote tl	neir rates	 using this Format)			
S.No.	Item Description as per		Make/Brand/ Type	Qty.	Rate per unit (Currency)	Basic Cost of main item (In
			Турс		(currency)	Currency)
A.						
B.	Ex-Works cost (Duly packe	ed				
	Airworthy/Seaworthy of					
	international standard)					
C.	FOB /FCA Cost (Name of					
	Airport)					
D.	CIP/CIF Cost (Upto Hydera					
	Airport)(all inclusive i.e. Co					
	Goods, Packing, Insurance,					
	transportation, freight etc.	)				
<ul><li>2. Do no</li><li>3. Any ac</li><li>4. Use se</li><li>be quo</li><li>5. Prices</li><li>differe</li><li>Transp</li></ul>	e column should be appropret include any other charges, occassories, optional items showard in same format. Indian Currency and table format showing all fortation charges and install Hyderabad being education	taxes, dut nould be sl ription, sp should be the application char	ties etc. in the Basio hown separately usecification of the in on F.O.R. basis and able taxes/Duties larges etc.	c Cost o sing ab tem, bu d menti like GST	ove format. t prices should oned separately u C, Freight &	
				S	ignature of the E	Bidder
Name, A	ddress contact no					
& email i	d of the bidder/					
Compan	y with company's Stamp or	Seal	<del></del>			
Date:						
Place: _						

# Financial Bid for Annual Maintenance Contract for X-Ray Photoelectron Spectroscopy (XPS) for TIFR Hyderabad.

(Part - B)

	•	,		
Due date Bidder's	derabad Enquiry No & Date:		)	
mainte	The bidder must mention in the enance charges, if we opt for manty period.	_	•	
S.No.	AMC (for item Description as per Tender) after Warranty Period	Rate / Year In INR	Tax (%) or Amount in INR	Total Amount in INR
1.	1 <sup>st</sup> Year			
2.	2 <sup>nd</sup> Year			
3.	3 <sup>rd</sup> Year			
2. Do 3. Pr	l the column should be appropriately fo not include any other charges, taxes, o ices should be quoted in same format. FR Hyderabad being educational & res	duties etc. in the l	Basic Cost of th	
Name, A	ddress contact no			
& email	id of the bidder/	<del></del>		
Compan	y with company's Stamp or Seal			
Date:				
Place: _				