Global tender for the supply of **Procurement of Solar Simulator, IV-CV measurement system and Probe station**

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This is a global tender for the supply of **Procurement of Solar Simulator, IV-CV measurement system and Probe station**

Section 1 - Bid Schedule

1	**Tender No.**	**MT/ENQ-GTE/PAIR/BU-AB/25-26/16**
2	Tender Date	04/02/2026
3	Item Description	**Procurement of Solar Simulator, IV-CV measurement system and Probe station**
4	Tender Type	Two-bid system i Technical Bid (Part A) ii Commercial Bid (Part B)
5	Place of tender submission	The Chair, Department of Materials Engineering Indian Institute of Science, Bangalore 560012 E-mail: office.pair@iisc.ac.in
6	Last Date & Time for submission of tender	**25/02/2026, 5 PM IST**
7	For further clarification	Prof. Aveek Bid Department of Physics Indian Institute of Science Bangalore, Karnataka – 560012, India Contact: 080 2293 3340 Email: aveek@iisc.ac.in

Section 2 – Eligibility Criteria

Prequalification criteria:

1. The Bidder's firm should have existed for at least 5 years. Bidders should enclose the Company Registration Certificate.

2. Only the Original Equipment Manufacturer or their authorized representatives across the globe shall participate in the bid.

3. The quotations should be **FOR – Bangalore University, Jnana Bharathi Campus.**

4. The bidder should sign and submit the declaration for Acceptance of Terms and Conditions as per Annexure 4.

5. The Bidder must not be blacklisted/banned/suspended or have a record of any service-related dispute with any organization in India or elsewhere. A declaration to this effect has to be given as per Annexure 3.

6. The order will be placed only with the bidder who participated in the bid.

Section 3 – Terms and Conditions

A) Submission of Tender:

1) All documentation in the tender should be in English.

2) Tenders should be submitted in two envelopes (a two-bid system).

a. Technical Bid (Part-A) – Technical bid consisting of all technical details and checklist for conformance to technical specifications.

The technical proposal should contain a technical compliance table with five columns:

I. The first column must list the technical requirements in the order given in the technical requirements below.

II. The second column should provide instrument specifications against the requirement. Please provide quantitative responses wherever possible.

III. The third column should describe your compliance with a "Yes" or "No" only. Ensure that the entries in column 2 and column 3 are consistent.

IV. The fourth column should state the reasons/explanations/context for deviations, if any.

V. The fifth column can contain additional remarks from the OEM. You can use this opportunity to highlight technical features, qualify responses of previous columns, provide additional details, compare your solution with your competitors, or provide details as requested in the technical requirements table below.

b. Commercial Bid (Part-B) – Indicating item-wise price for the items mentioned in the technical bid, **as per the format of quotation provided in the tender** and other commercial terms and conditions.

3) The technical bid and price bid should be placed in **separate sealed covers**, superscribing the tender description, tender no., and the due date on both envelopes. Both these sealed covers are to be placed in a bigger cover which should also be sealed and duly superscripted with the Tender No, Tender Description & Due Date.

4) The SEALED COVER should reach to **The Chair, Department of Materials Engineering, Indian Institute of Science, Bangalore 560012**, on or before the due date mentioned in the tender notice. If the due date is a holiday, the tender will be accepted on the next working day. If the quotation cover is not sealed, it will be rejected.

5) All queries are to be addressed to the person identified in "Section 1 – Bid Schedule" of the tender notice.

6) GST/other taxes, levies, etc., should be indicated separately. The BIDDER should mention GST Registration and PAN in the tender document, if applicable.

7) If the price is not quoted in the Commercial Bid as per the format provided in the tender document, the bid is liable to be rejected.

8) The purchase committee reserves the right to accept or reject any bid and annul the bidding process and reject all bids at any time prior to the award of the contract without thereby incurring any liability to the affected bidder or bidders or any obligation to inform the affected bidder or bidders.

9) Incomplete bids will be summarily rejected.

B) Cancellation of Tender:

Notwithstanding anything specified in this tender document, the IISc purchase committee, in its sole discretion, unconditionally and without having to assign any reason, reserves the right:

a. To accept OR reject the lowest tender, any other tender, or all the tenders.
b. To accept any tender in whole or in part.
c. To reject the tender, the offer does not confirm the tender terms.

C) Validity of the Offer:

The offer shall be valid 90 Days from the commercial bid's opening date.

D) Evaluation of Offer:

1) The technical bid (Part A) will be opened first and evaluated.

2) Bidders meeting the required eligibility criteria in Section 2 of this document shall only be considered for Commercial Bid (Part B) opening. Further, agencies not furnishing the documentary evidence as required will not be considered.

3) Prequalification of the bidders shall not imply final acceptance of the Commercial Bid. The agency may be rejected at any point during technical evaluation or commercial evaluation. The decision regarding acceptance and/or rejection of any offer in part or full shall be the sole discretion of IISc Bangalore, and the decision in this regard shall be binding on the bidders.

4) The contract award will be subject to acceptance of the terms and conditions stated in this tender.

5) Any offer which deviates from the vital conditions (as illustrated below) of the tender is liable to be rejected:
a. Non-submission of complete offers.
b. Receipt of bids after the due date and time or by email/fax (unless specified otherwise).
c. Receipt of bids in open conditions.

6) In case any BIDDER is silent on any clauses mentioned in these tender documents, IISc Bangalore shall construe that the BIDDER has accepted the clauses as of the tender, and no further claim will be entertained.

7) No revision of the terms and conditions quoted in the offer will be entertained after the last date and time fixed for receipt of tenders.

8) The lowest bid will be calculated based on the total price of all items tendered for the basic equipment, accessories selected for installation, operation, preprocessing and post-processing, optional items, recommended spares, warranty, and annual maintenance contract. The purchase committee seeks the most cost-effective solution for obtaining a new tool. Vendors are encouraged to propose all avenues, including but not limited to buy back of the existing tool, turnkey upgrade of existing to, l or purchase of a new tool.

E) Pre-requisites:

The bidder will provide the prerequisite installation requirements of the equipment along with the technical bid.

F) Warranty:

The complete system has to be under warranty for a **minimum period of 2 years** (year-wise breakup value should be shown in the commercial bid). The vendor should include the cost of any spares needed during the warranty period, including electronics, subcomponents, and software. If the instrument is defective, it has to be replaced or rectified at the bidder's cost within 30 days from receipt of written communications from IISc, Bangalore.

1. If there is any delay in replacement or rectification, the warranty period should be extended.
2. Terms and conditions for the annual maintenance contract beyond the warranty period should be mentioned.
3. Warranty terms and additional warranty options are a must for all the components. Specify the service plan, like whether the local distributor will address the issue or the parent company. A minimum of three years of complete system warranty should be given. If the system requires service during the warranty period, the vendor must guarantee or replace the instrument for free. Vendor to have logistic support to ensure that at least 95% of the service parts are readily available and upkeep delivery within 1 week.
4. A declaration of Conformity certificate and System Validation certificate must be provided. All modules must be GLP compliant.
5. Support should be available on full working days (excluding Public Holidays), local time.
6. On-site installation, commissioning, and training shall be conducted by a qualified factory-trained engineer.
7. The vendor must demonstrate that it has a proven appropriate set-up and capability to provide after-sales service efficiently and effectively. The supplier should have a similar system in their facility to that proposed in this tender for training purposes.
8. The vendor must have a local dedicated Sales & Service team & Application lab in the Southern region.

G) Annual Maintenance Contract:

An annual maintenance contract for at least two years post-warranty may be provided as an essential, optional item upon completion of the warranty period.

H) SPARES:
Vendors must provide a detailed list of spares and a user manual with a detailed Bill of Materials for all Parts. It should include the Spares Column with the Manufacturer part Number, Qty, and availability of stock after 3 Years.

I) Purchase Order:
The quantity of the items in the tender is only indicative. IISc, Bangalore reserves the right to increase /decrease the quantity of the items depending on the requirement.
If the product and service quality is unsatisfactory, IISc, Bangalore reserves the right to cancel or amend the contract.

J) Delivery, Installation, and Training:
The bidder shall provide the lead time to delivery, installation, and made functional at **Bangalore University, Jnana Bharathi Campus** from the date of receipt of the purchase order. The system should be delivered, installed, and functional within 120 days of receipt of the purchase order (or depending upon on the manufacturing of the equipment). The supply of the items will be considered as effected only on satisfactory installation and inspection of the system and the inspection of all the items and features/capabilities tested by the **Bangalore University, Jnana Bharathi Campus**. **For acceptance, the vendor must demonstrate the technical specifications mentioned in the tender**. After successful installation and inspection, the date of taking over the entire system by the **Bangalore University, Jnana Bharathi Campus**, shall be taken as the start of the warranty period. **No partial shipment is allowed.**

Vendors must demonstrate and validate all claimed system specifications

K) Payment Terms:
Full payment (except AMC) will be released after completion of delivery, satisfactory installation, and qualification, subject to TDS as per rules. Advance payment is acceptable based on mutually agreeable terms. As per GFR, no advance payment can be made to domestic vendors unless an equal amount of bank guarantee is provided.
Letter of credit will be created upto the date of supply and installation.

L) Statutory Variation:
Any statutory increase in the taxes and duties subsequent to the bidder's offer, if it takes place within the original contractual delivery date, will be borne by IISc, Bangalore, subject to the claim supported by documentary evidence. However, if any decrease occurs, the advantage will have to be passed on to IISc, Bangalore.

M) Disputes and Jurisdiction:
Any legal disputes arising from any breach of contract pertaining to this tender shall be settled in the court of competent jurisdiction in Bangalore, India.

N) General:

1) All amendments, time extensions, clarifications, etc., within the tender's submission period, will be communicated electronically. No extension of the bid due date/time shall be considered due to a delay in receipt of any document(s) by mail.

2) The bidder may furnish any additional information necessary to establish capabilities to complete the envisaged work successfully. It is, however, advised not to furnish superfluous information.

3) With prior intimation, the bidder may visit the installation site before tender submission.

4) Any information furnished by the bidder found to be incorrect, immediately or later, would render the bidder liable to be debarred from tendering/taking up work in IISc, Bangalore.

5) Price of every line item in the commercial bid should be quoted along with the total quoted price for the instrument to be operational (installed and ready to use) in our facility. Quote the price of each optional line item separately.

6) The vendor should have qualified technical service personnel for the equipment based in India (preferably in Bangalore).

7) Items in addition to that listed in the technical table that you would like to bring to our attention, such as data sheets, technical plots, etc. can be listed at the end of the compliance table.

8) Vendors are encouraged to highlight the advantages of their instrument and accessories over comparable instruments from competitors.

9) If needed, a meeting for any technical clarifications can be scheduled with the undersigned by sending an email.

10) The Institute reserves the right to accept or reject any bid or to annul the bidding process and reject all bids at any time prior to the award of the contract without thereby incurring any liability of the affected bidder or bidders.

11) After the award of the purchase order, the vendor must provide an Order Acknowledgement within 7 days from the receipt of the Purchase Order.

12) The vendor must have a local dedicated Sales & Service team & Application lab in the Southern region.

13) Vendors must provide proper justification for any technical deviations mentioned in the technical comparison statement during evaluation.

14) A comprehensive three-year warranty must cover all system components and accessories supplied with the equipment.

15) Vendors must submit a detailed list of infrastructure requirements (such as power supply, exhaust, laboratory space, etc.) necessary for installation and smooth operation of the system.

16) The payment terms should be specified in the commercial proposal, which should be consistent with IISc's purchase policies.

17) Provide details of the number of trained personnel in India, the number in the southern region, or Bangalore who can service the instrument.

18) Include other options currently available which can be added in the future.

19) The vendor should attach product brochures along with the technical bid.

20) A set of basic experiments for performing routine checks of acceptable operation with clear instructions to be provided. A standard sample to estimate column efficiency should be included.

21) Details and contact information of at least the last five installations of similar equipment.

22) End-user certificates from these installations, confirming, satisfactory performance.

Section 4 – Technical Specifications

Technical Specifications for the Procurement of Solar Simulator, IV-CV measurement system and Probe station

1. Technical specifications for the Procurement of Solar Simulator

Sl No	Parameter / Specifications	Technical details
1	Simulator Class	AAA Class. Should meet IEC/ASTM/JIS Standards
2	Source Lamp	Xenon Lamp (Ozone free)
3	Adjustment Range of light intensity	100 mW/cm2 +/- 15%
4	Lamp Power	150 or 300 W
5	Spectral Match Classification	Class A (IEC 60904-9 2007) A(JIS C(8912) A ASTM E927 -05
6	Irradiance	1 SUN = 1000 W/m² (adjustable range, e.g., 0.1 to 5 sun)
7	Non Uniformity Irradiance	< 2% or better
8	Uniformity Classification	A (IEC 60904-9 2007) A (JIS C 8912) A (ASTM E927 -05)
9	Temporal Instability	≤0.5% STI ≤2.0% LTI
10	Temporal Instability classification	A (IEC 60904-9 2007) A (JIS C 8912) A (ASTM E927 -05)
11	Lamp Life	> 11500 Hours with lamp life display
12	Air Mass Filter	AM 1.5 G standard
13	Collimation Angle	(half angle) <±4 ° or better
14	Beam Size	50 mm × 50 mm
15	Beam Uniformity	≤2 %
16	Working Distance	At least 5.8 to 8 Inch or higher
17	Light intensity control	100 mW/cm^2 (1SUN) with continuously adjustable using multiple steps
18	Optical Design	Compact Design with flexible fiber illumination
19	Shutter	Remote Controlled
20	Cooling	Automated Forced air cooling with safety temperature sensors
21	Control Interface	Computer controlled, USB, Touch Panel, RS232
22	Power Requirements	220 to 240 V, 50-60 Hz (Indian Standards)
23	Safety Mechanism	Indication or safety features to protect any issues related to Xenon lamp, temperature (overheat protection), cooling fan, Door open, lamp usage limits etc
24	Operating environmental conditions	Temperature 15C to 35 C or better Humidity 35% to 75 % or better
25	Probes	Gold-plated spring-tip probes should be provided for electrode contact -04 nos.
26	Compatibility	The system should have relevant ports to connect to source measure units (Keithley 2602, 4200 or similar) and / or Probe station
27	Suitable to measure the current and future PV Technology objectives	1. Quantum Dot Solar cell 2. DSSC

		3. Organic Solarcell 4. Perovskite Solarcell
28	Class AAA Certificate	The Solar Simulator should accompany Class AAA certificate and the manufacturing firm should have ISO 17025 lab for PV. Certificate to meet IEC 60904-9 Edition 2 (2007), JIS C 8912, and ASTM E 927-05.
29	Accessories	1. Reference standard silicon solar cell (NREL Std) in a metal housing with a quartz window or Calibrated monocrystalline silicon photovoltaic cell with a protective quartz window 2. Adequate number of connecting cables 3. One spare Xenon source (150 or 300W) 4. Powerful desktop computer – i7/i9 (14^{th} gen or newer 32 GB DDR5 RAM, 1 TB SSD or larger, complete multimedia and NVIDIA RTX 40 or higher graphics. 5. Power meter: One radiometer should be provided for the measurement of the output intensity of the solar simulator.
30	Warranty	Two years of comprehensive warranty from the date of installation without any additional cost to the purchaser. The warranty should cover lamp, circuits and other items including all accessories and spare parts.

2. Technical Specifications for the procurement of Current–Voltage (IV) and Capacitance – Voltage (CV) measurement system

Current and Voltage (IV) Measurement System		
Sl No	**Parameter / Specifications**	**Technical Details**
1.	Max. Current Range (A)	±1 Amps
2.	Available Current Ranges	±1A, ±100mA, ±10mA, ±1mA, ±100μA, ±10μA, ±1μA
3.	Max. Voltage Range (V)	±20 Volts
4.	Measurement Resolution	16 Bit
5.	Measurement Accuracy	Better than 0.5%
6.	Measurement Mode	Fixed or Auto
7.	Measurement Time (Light)	<500ms for stable light (Up to 4s if filtering for light fluctuations required)
8.	Measurement Time (Dark)	100 - 1,000ms
9.	Maximum Points per Curve	1,000 (model specific)
10.	Maximum Data Acquisition Speed	100kHz, 4,096
11.	Phase (Power)	Single Phase
12.	Electrical Interface	Four probes
13.	Connectivity	USB, GPIB, Ethernet interface
14.	Power requirement	220V – 240VAC, 50-60Hz (as per Indian standards)
15.	Warranty:	Comprehensive warranty for two years from the date of installation.

CV MEASUREMENT SYSTEM

Sl No	Parameter / Specifications	Technical Details
1.	Potentiostat / Galvanostat,	2- or 3- or 4-electrode configuration
2.	Maximum potential:	±10V
3.	Maximum current:	± 250 mA & ± 350 mA peak
4.	Compliance Voltage:	>±13V
5.	Potentiostat rise time:	0.6 µs
6.	Galvanostat applied current range:	3nA – 250mA
7.	Applied current accuracy:	20pA
8.	Input bias current:	< 20 pA
9.	CV and LSV scan rate:	0.000001 to 10,000 V/s
10.	CA and CC pulse width:	0.0001 to 1000 sec
11.	Current resolution	0.3fA
12.	Bandwidth of our electrometer	10 MHz
13.	Connectivity	Serial port or USB port selectable for data communication
14.	Applied Potential accuracy	1mV.
15.	Applied & Measured Potential resolution	0.0015%
16.	Others	Automatic and manual iR compensation, Flash memory for quick software update
17.	Power requirement	220V – 240VAC, 50-60Hz (as per Indian standards)
18.	Warranty:	Comprehensive warranty for two years from the date of installation.

General Techniques

- Cyclic Voltammetry (CV) with simulation/fitting programs
  Linear Sweep Voltammetry (LSV) with stripping Solar Plot (Isc, Voc, Pwr Max (W), FF, Voltage max (V))
  Power – E; Current – E, Linear Pol Res
- Bulk Electrolysis with Coulometry (BE)
- Chrono Amperometry (CA)
- Chrono Coulometry (CC)

Photovoltaic studies

- I-V measurements, I max, Pmax, Fill factor etc

Reference Cell and Contact probes

- A NREL certified reference cell by any internationally acceptable accredited laboratories. Should provide the valid certificate.

Software Features with DAQ

- Easy to use MS Windows environment and user friendly software.

- Light Intensity & Temperature monitoring and control,
- Calculation of cell series resistance according to IEC 60891 standard.
- Software should handle measurement of both P type and N type cells without any cell connection changes.
- Computes solar cell parameters including
  I_{sc}, V_{oc}, FF, I_{MAX}, V_{MAX}, P_{MAX}, E_{ff}, R_s and R_{sh} and saves them automatically on hard disk drive. In addition, cell's temperature and irradiance level is measured and stored for future analysis.
- Advanced noise filtering feature to enable measurement of good quality I-V curves even under fluctuating intensity conditions

3. Specifications / Technical details for the procurement of Probe Station

Sl No	Parameter / Specifications	Technical Details
1	Substrate Size	50 mm × 50 mm × 50 mm
2	Micropositioners	a) Magnetic base micropositioners b) Resolution: 2μm or better c) Four micropositioners with 2m Triaxial cable & accessories
3	Chuck Details	i. Triaxial Chuck: ≥ 6" inch diameter ii. Chuck Triaxial cable (Force/Sense) iii. Three or more auxiliary chucks with planarity better than ± 3 μm (Including Vacuum chuck)
4	X,Y, Z and Theta stage	i. Range of movement: Movement of stage to be at least 15cm × 15 cm in X-Y direction ii. Theta travel: 360 degrees; Tilt = +/- 3 degree iii. Resolution in x-y positioning: < 5 microns or better iv. Z travel – adjustable up to 10mm and load stroke of up to 3 mm
5	Platen	Manual/motorized, Course and fine platen lift up to 40mm with precise contact /separation stroke of 200μm with a repeatability of <+/- 1μm. compatible with probe card. *Universal platen:* Space for up to 16 micro-positioners
6	Probe holding mechanism with BNC output	BNC to Banana converter, 45-degree non-metal probe holder; 90-degree non-metal probe holder - Magnetic base
	Probe tips	Tip diameter – 50 μm or better Material – Tungsten
7	Probe station Trinocular microscope	Optical system - Infinity corrected; Observation Method - Brightfield Illumination - Reflected (Co-axial and Angled) Illumination system = High bright white LEDs; Nosepiece = revolving, quadruple with positive precision click stops.

		Viewing head – Side and top Trinocular head, 30 degree, 48-75mm IP adjustment Eyepiece= 10X Wide field eyepiece, Field Number (FN) = 20mm, dioptre adjustable. Focusing- Software/ hardware Microscope Objective; Plan APO LWD objective Magnification = 5X; Numerical Aperture = 0.14 Working distance = 40mm FOV eyepiece = 4mm FOV camera = 1.14 × 0.856mm
8	Camera specifications	Optical format = 1/2.5" CMOS; Active imager size = 5.70mm × 4.28mm, 7.13mm diagonal ; Active pixels = 2592 × 1944 (5Mp) ; Pixel size = 2.2 × 2.2 μm Color filter array = RGB Bayer pattern; Shutter type = Electronic rolling shutter(ERS) ; Frame rate = Full resolution –up to 7fps, VGA –up to 26.7 fps; ADC resolution = 12- bit, on-chip; Pixel dynamic range = 70.1 dB; Sensitivity = 1.76V/lux-sec (550nm); Interface = USB2.0
9	Vacuum Pump	Suitable vacuum pump compatible to system along with necessary accessories including vacuum tubing
10	Vibration Isolation	Shield Enclosure and anti-vibration table To be provided to avoid pad damage
11	Accessories	1. Cooling Chuck: Temperature range = -20 to RT; Temperature accuracy = +/-1ºC; Software controls 2. Hot chuck: Chuck diameter = 100mm; Temperature range = RT – 300ºC; Temperature accuracy = +/-10ºC; Thermal sensor; Software controls 3. Necessary set of tools and tweezers for smooth handling of probe station.
12	Calibration mechanism	Proprietary calibration software for RF with LRRM and LRM+.
13	Additional Options	Probe station should be compatible for the interfacing; a) Options for Advanced IV and CV measurements and Solar simulator setup b) Integration of IV – CV and solar simulator through software
14	Power Requirements	220 to 240 V AC, 50Hz to 60 Hz as per Indian standards
15	Warranty	Comprehensive warranty for two years from the date of installation.

Note:

1. The vendor must provide a fully integrated system comprising all three components - solar simulator, IV-CV measurement unit, and probe station - seamlessly integrated with advanced, user-friendly software. The system should meet all required technical and operational conditions for comprehensive performance and reliability.

2. All equipment and suppliers should meet international standards to comply with the requirements of global R&D conditions.

3. Standard configurations are required. Local or custom-made systems will not be entertained.

4. The company must be well established and demonstrate a substantial installation base, supported by relevant documentation.

5. Vendor should confirm the availability of repair and calibration support facilities in India.

Section 5- Technical Bid

The technical bid should furnish all requirements of the tender along with all annexures in this section and be submitted to:

The Chair,
Department of Materials Engineering
Indian Institute of Science
Bengaluru, Karnataka 560012

Kind attn.: Prof. Aveek Bid

Annexure-1

The bidder must provide the following mandatory information & attach supporting documents wherever mentioned:

Details of the Bidder

Sl. No	Items	Details
1.	Name of the Bidder	
2.	Nature of Bidder (Attach attested copy of Certificate of Incorporation/ Partnership Deed)	
3.	Registration No/ Trade License, (attach attested copy)	
4.	Registered Office Address	
5.	Address for communication	
6.	Contact person- Name and Designation	
7.	Telephone No	
8.	Email ID	
9.	Website	
10.	PAN No. (attach copy)	
11.	GST No. (attach copy)	

Signature of the Bidder

Name
Designation, Seal Date:

Annexure-2

Declaration regarding experience

To,
The Chair,
Department of Materials Engineering
Indian Institute of Science, Bangalore – 560012

Ref: Tender No: XXXXXXXXX Dated: XXXXX

Procurement of Solar Simulator, IV-CV measurement system and Probe station

Sir,

I've carefully gone through the Terms & Conditions contained in the above referred tender. I hereby declare that my company / firm has XXXXXX years of experience in **Procurement of Solar Simulator, IV-CV measurement system and Probe station.**

(Signature of the Bidder)

Printed Name

Designation, Seal Date:

Annexure-3

Declaration regarding track record

To,
The Chair,
Department of Materials Engineering
Indian Institute of Science, Bangalore – 560012

Ref: Tender No: XXXXXXX Dated: XXXXX

Procurement of Solar Simulator, IV-CV measurement system and Probe station

Dear Sir,

I've carefully gone through the Terms & Conditions contained in the above referred tender. I hereby declare that my company/ firm is not currently debarred /blacklisted by any Government / Semi Government organizations / institutions in India or abroad. I further certify that I'm competent officer in my company / firm to make this declaration.

Or

I declare the following

Sl.No	Country in which the company is Debarred /blacklisted / case is Pending	Blacklisted / debarred by Government / Semi Government/Organizations /Institutions	Reason	Since when and for how long

(NOTE: In case the company / firm was blacklisted previously, please provide the details regarding period for which the company / firm was blacklisted and the reason/s for the same).

Yours faithfully

(Signature of the Bidder)

Name

Designation, Seal

Date:

Annexure-4

Declaration for acceptance of terms and conditions

To,
The Chair,
Department of Materials Engineering
Indian Institute of Science, Bangalore – 560012

Ref: Tender No: XXXXXXX Dated: XXXXX

Procurement of Solar Simulator, IV-CV measurement system and Probe station

Dear Sir,

I've carefully gone through the Terms & Conditions as mentioned in the above referred tender document. I declare that all the provisions of this tender document are acceptable to my company. I further certify that I'm an authorized signatory of my company and am, therefore, competent to make this declaration.

Yours faithfully,

(Signature of the Bidder)

Name

Designation, Seal Date:

Annexure - 5

Details of items quoted:

a. Company Name	
b. Product Name	
c. Part / Catalogue number	
d. Product description / main features	
e. Detailed technical specifications	
f. Remarks	

Instructions to bidders:

1. Bidder should provide technical specifications of the quoted product/s in detail.
2. Bidder should attach product brochures along with technical bid.
3. Bidders should clearly indicate compliance or non-compliance of the technical specifications provided in the tender document.

6. Commercial bid

The commercial bid should be furnished with all requirements of the tender with supporting documents as mentioned under:

S.No	Description	Cat. Number	Quantity	Unit Price	Sub total
1.	Essential items noted in the technical specification				
1.a	… (details of essential items)				
1.b	…				
2.	Optional items noted in the technical specification				
2.a	… (details of Optional items)				
2.b	…				
3.	Accessories for operation and installation				
4.	All Consumables, spares and software to be supplied locally				
5.	Warranty (1 year)				
6.	AMC 2 years beyond warranty				

Any additional items

S.No	Description	Cat. Number	Quantity	Unit Price	Sub total

Addressed to

The Chair,
Department of Materials Engineering
Indian Institute of Science, Bangalore – 560012

Kind Attn: Prof. Aveek Bid

7. Checklist

(This should be enclosed with technical bid- Part A)
The following items must be checked before the Bid is submitted:

1. Sealed Envelope "A": Technical Bid

1. **Section 5- Technical Bid** (each page signed by the authorized signatory and sealed) with the below annexures:
    a. Annexure 1 : Bidders details
    b. Annexure 2: Declaration regarding experience
    c. Annexure 3: Declaration regarding clean track record
    d. Annexure 4: Declaration for acceptance of terms and conditions
    e. Annexure 5: Details of items quoted
2. Copy of this tender document duly signed by the authorized signatory on every page and sealed.

2. Sealed Envelope "B": Commercial Bid

Section 6: Commercial Bid

Your quotation must be submitted in two envelopes: Technical Bid (Envelope A) and Commercial Bid (Envelope B) super scribing on both the envelopes with Tender No. and due date and both of these in sealed covers and put in a bigger cover which should also be sealed and duly super scribed with Tender No., Tender description & Due Date.