

# INTER-UNIVERSITY ACCELERATOR CENTRE

(An Autonomous Centre of UGC)

Aruna Asaf Ali Marg, P.B.No-10502, New Delhi- 110067 (India)

Tel: 011-24126036, 24126018, 24126022

Indent No: **1432**

Dated: **19/12/2025**

## ENQUIRY LETTER THROUGH E-PUBLISHING

**Sub:** Supply of “**Switch-Mode AC to DC Converter/Power Supply and EMI/EMC Filter Module**” as per the technical specifications mentioned in Annexure-B1, B2.

Inter-University Accelerator Centre (IUAC), invites offline bids under two bid system, viz., **Technical Bid (Part-A) and Price Bid (Part-B)** from OEMs/authorised distributors/reputed vendors for the items mentioned in the below table by meeting all the terms and conditions, technical specifications and other particulars of Annexure-A,B,C,D,E,F.

Item no	Description of Items	Required Qty.
1	<b>48V, 52A, ~2500W Switch mode AC to DC Converter/power supply</b>	40 nos.
	Manufacturer: COSEL/ XP-Power/Mean-Well/TDL-Lambda/Traco Power/ Recom Power, etc.	
	Technical Specifications: As per Annexure-B1	
2	<b>64A ,Three Phase Four Wire EMI/EMC Filter Module</b>	12 nos.
	Manufacturer: Same manufacturer quoted for item no-1	
	Technical Specifications: As per Annexure-B1	

**Administrative Officer (S&P),**

Inter-University Accelerator Centre (IUAC)

New Delhi-110067

**Terms and Conditions**

The bidder is required to **agree** all the terms and conditions of Annexure-A and the technical specifications mentioned in Annexure-B1, B2. Bidder is required to provide the necessary documents mentioned in Annexure-A,B,C,D,E,F for successful submission of bid. IUAC will not communicate/reply to the disqualified bidders.

1. Bidder is mandatorily required to submit **two bids (Technical Bid and Price Bid)** in separate sealed envelope by mentioning Technical Bid/Price Bid and **Indent No: 1432** on the respective sealed envelope. *Both bids should be submitted to the “Administrative officer (S&P), Inter-University Accelerator Centre, Aruna Asaf Ali Marg, P.B.No-10502, New Delhi-110067”.* Technical bid will be opened first after the due date. Price bid of only technically qualified bidders will be considered for price comparison.
2. **OEM/ authorized distributor:** The bidder should either be OEM or authorized distributor. In case of distributor, authorization certificate from OEM should be provided along with the technical bid.
3. **Certificate of Compliance:** Bidder has to provide an undertaking on company letter head with duly signed and stamped, the certificate of compliance (CoC) along with the instrument to ensure that the genuine instrument has been supplied (to be enclosed with sale invoice).
4. **Technical Bid (Part-A):** Bidder is required to submit all annexure-A,B,C,D,E for technical bid qualification.
  - Technical Compliance sheet (Annexure-B1, B2) must be duly filled, signed and stamped by bidder.
  - Product’s catalogue/datasheet, Instruction manual, Performance data/graph, EMI/EMC data etc should be attached. All these information must be available on OEM website for cross verifications. Discontinued product will not be accepted.
5. **Price bid (Part-B):** Price bid must be submitted on **bidder’s letter head**. It should be as per the format “**Annexure-F**”. Price quotation should be in Indian National Rupee (INR). Freight and Packing Charges, if any, should be provided along with the quotation. The material/items to have to be delivered at Inter-University Accelerator Centre, New Delhi.
6. **Validity of quotation:** The period of validity of quotation should be clearly mentioned in price bid and should not be less than **30 days**.
7. **Delivery Period:** The goods have to be delivered at Inter University Accelerator Centre (IUAC) within **60 working days** from the date of release of Purchase Order.
8. **GST:** GST shall be paid extra as applicable as per rules.
9. **Payment Terms:** Payment will be released on complete delivery of goods at IUAC and its certification by the personnel concerned.

- 10. Warranty and after sale service:** The product must have minimum 1 year warrantee for any manufacturing defects. The delivery must be covered for any damage that may occur during transportation of the material to IUAC.
- 11. Inspection and Test:** An Inspection and tests prior to shipment of Goods and at final acceptance are as follows:
- After the goods are manufactured and assembled, inspection and testing of the goods shall be carried out at the supplier's plant by the supplier, prior to shipment to check whether the goods are in conformity with the technical specifications attached to the purchase order. Manufacturer's test certificate shall be issued to this effect and submitted along with the delivery documents.
  - The acceptance test will be conducted by the Purchaser, their consultant or other such person nominated by the Purchaser at its option after the equipment is delivered at purchaser's site in the presence of supplier's representatives. The acceptance will involve trouble free operation and ascertaining conformity with the ordered specifications and quality. There shall not be any additional charges for carrying out acceptance test. No malfunction, partial or complete failure of any part of the equipment is expected to occur.
  - In the event of the ordered item failing to pass the acceptance test, a period not exceeding 15 days will be given to rectify the defects and clear the acceptance test, failing which the Purchaser reserve the right to get the equipment replaced by the Supplier at no extra cost to the Purchaser.
  - Successful conduct and conclusion of the acceptance test for the supplied goods and equipment shall also be the responsibility and at the cost of the Supplier.
- 12. Liquidated Damages (Late Delivery):** In case supply is delayed beyond the specified delivery date, deductions on account of liquidate damage @0.5% per week or thereof will be deducted subjected to maximum of 10% of order value.
- 13. Earnest Money Deposit: EMD @ 2%** of total estimated value of the contract i.e. **Rs 38520/-** (Rupees Thirty Eight Thousand Five Hundred Twenty only) is to be submitted along with the bid document in the form of Demand Draft in favour of IUAC, Delhi. Bid Security shall be refunded to the un-successful bidders on award of contract and to successful bidders on receipt of Performance Security.
- EMD is the mandatory requirement, however the MSMEs/NSIC registered with Government Agencies are exempted from payment of Earnest Money Deposit (EMD) and are required to submit **Bid Security Declaration form** subject to conditions given below: -
- a) MSMEs participating in the tender must submit valid & authorized copy of certificate of registration. The MSME's Bidder to note and ensure that nature of services and goods/items manufactured mentioned in MSME's certificate matches with the nature of the services and goods /items to be supplied as per Tender.
  - b) The registration certificate issued by agencies must be valid as on Bid closing date of the tender. Bidder shall ensure validity of registration certificate in case bid closing date is extended.
  - c) The MSMEs who have applied for registration or renewal of registration with any of the authorized agencies / bodies but have not obtained the valid certificate as on close date of the tender, are not eligible for exemption / preference.
- 14. Performance Security:** The supplier shall require to submit the Performance Security **within 15 days** on issue of Purchase Order in the form of irrevocable bank guarantee or FDR issued by any

Nationalized Bank for an amount which is **5%** of the order value and should be kept beyond the delivery period (valid up to two months beyond **the delivery period / warranty period**). The Performance Security shall be refunded to the supplier after the due certification by IUAC personnel.

- 15. Force Majeure:** The right of the contractor/supplier to proceed with the work shall not be terminated because of any delay in the completion of the work due to unforeseeable causes beyond the control and without the fault or negligence of the contractor/supplier, including not limited to acts of God, Pandemic, or of the public enemy, restraints of a sovereign state, firms, wars, fires, epidemics, quarantine restrictions, floods, unusually severe weather. If a Force Majeure situation arises, the supplier/contractor shall promptly notify along with the justification/reasons well in advance to the Director IUAC for approval without any prejudice to price escalation. No time extension request shall be considered after the expiry of completion period/contract. The decision of the IUAC Director will be final and binding on the supplier/contractor.
- 16.** No deviation from the stipulated terms and conditions will be allowed. Bid will be unconditional.
- 17.** Director, IUAC reserves the right to accept/reject any/all tenders in part/full without assigning any reason whatsoever and the decision of the IUAC in this regard will be binding on all the bidders. IUAC Director also reserves the right to disqualify any bidder and / or cancel the order at any point of time without assigning any reason whatsoever. The decision of the IUAC Director will be final and binding on the bidder / supplier/contractor.
- 18.** Proof of delivery of electronic equipments/items/components in the form of One copy of successfully executed work order/purchase order value more than 80% of the estimated value Rs 1926000/- or two copies of order value each of 50% of the estimated value Rs 963000/- or three copies of order value each of 40% of the estimated value Rs 770400/- for the supply of similar kind of items to the reputed organizations, Govt. Dept. (Central/State), PSU & Autonomous bodies/Universities in India in the last 3 years. Any work order/purchase order with concerned, undisclosed or misinterpreted values, specifications will not be considered.
- 19. Correspondence:** All the correspondence in respect of bid / contractual obligation shall be made to "The Administrative Officer (S&P), Inter University Accelerator Centre, Aruna Asaf Ali Marg, New Delhi – 110067". E-mail: iuacstores@gmail.com, Telephone: +91-11-24126018, 24126022.
- 20. Last date for submission:** The last date for submission of both bid (Technical and Price Bid) is **08/01/2026** at 3.00 pm by mentioning **Indent No. 1432** on the sealed envelope.
- 21.** The contract shall be governed by the Indian Laws. Any dispute arising out of this contract will be subjected to jurisdiction of New Delhi / Delhi only.

**(Signature of bidder along with official seal)**

**Part-A : Technical Specifications Cum Compliance sheet for Item No-1**

Item's Description:	<b>48V, 52A, ~2500W switch-mode AC to DC Converter/Power Supply.</b>
Required Qty :	<b>40 nos.</b>

1	Manufacturer part/model number of the quoted item	
2	Name of the manufacturer/OEM	
3	Website of the manufacturer/OEM	

(Bidder has to write **Yes or No** against each specification in the "Compliance check list" column)

	Parameter	Specifications to comply	Notes & Conditions	Compliance (Check list)
<b>A</b>	<b>Primary specifications :</b>			
1	Output ratings :	48VDC, 52A, ~2500W	48V, 2500W, AC to DC convertor.	
2	Output voltage adjustment range using external analog voltage	0-100%	Should have an "output voltage control input" for adjusting the output from 0-100% using an external voltage (0 to 2.5V or 5V).	
3	Input AC voltage:	AC 180-264V, 50 Hz, 1Ø	100% Load factor at ≥180 Vac input.	
4	Case Dimensions /size (Height x Width x Depth)	Height: < 45 mm Width : ≤ 105 mm Depth : ≤ 340 mm	Chassis mount, should accommodate in to 1U height.	
5	Cooling	Forced air/convection-cool	In-built cooling fan	
<b>B</b>	<b>Performance, control and protection Specifications:</b>			
<b>B1</b>	<b>Input power Performance specifications:</b> should have inbuilt power factor correction and inrush current limiter			
1	Input Power Factor	≥ 0.98	ACIN230V; Iout = 100%	
2	Inrush Current (A) max.	≤ 20/60 (primary /2ndry)	ACIN200Vac	
3	Earth Leakage current	≤ 0.85 mA	ACIN 240V, Iout =100%,	
<b>B2</b>	<b>OUTPUT performance specifications:</b> Output voltage quality and stability			
1	Efficiency	≥ 90%	Iout=100%	
3	Ripple and Noise	≤ 1 % pK-pK	Temperature range 0 - 50°C	
4	Line regulation	≤ 0.5 %	Line variation (± 10% )	
5	Load regulation	≤1 %	Load variation (0-100% )	
6	Temp. regulation	≤1 %	Temperature range 0 - 50°C	
7	Drift (8 hrs)	≤ 0.5 %	Constant load & line voltage at 25°C	
8	EMI conduction	< 70 dB (µ V)	EN55032:2012 Class A	
9	Radiated Emission	< 50 dB (50µV / m)	EN55032:2012 Class A-3m	
10	Isolation (input-output)	AC3000V; DC500V	1minute, Cut-off current = 25mA, DC500V, 50MΩ	
	Isolation (input-Gnd)	AC2000V; DC500V		

	Parameter	Specifications to comply	Notes & Conditions	Compliance (Check list)
<b>B3</b>	<b>Operation Protections indication and status signal :</b>			
1	Alarm /operation interlocks	Over current, overvoltage & over temperature	Open collector( 35v max) : Activate over 105% of the rated and auto/reset-recover.	
2	Warning /abnormal operation	Out of range input and output voltages	Open-collector, signal (pull-up 35V maximum)	
3	Operation status indicator	LED Indicator	Different colour for different conditions	
<b>B4</b>	<b>Programmability and controls: Should have a programming connector with following functions and controls</b>			
1	Output Voltage adjust	Analog control signal	Output voltage adjustment range (0-100%)	
2	Remote ON/OFF	Optically Isolated control	Isolated from input, output & other controls	
3	Parallel Operation	≥ 9 units in parallel connection	Master-salve parallel configuration	
4	Output Current (Io) balance controls	At most 5% difference in Io of parallel units	Masters-salve parallel configuration.	
6	Auxiliary /standby power	12V / 100mA	Isolated from input, output & other controls	
7	Warning signal	Open collector	Isolated from input, output & other controls	
8	Output Fail alarm signal	Open collector	Isolated from input, output & other controls	

**Name & Signature of Bidder with seal.**

## Part-A : Technical Specifications Cum Compliance sheet for Item No-2

Item Description:	64A, Three Phase Four wire EMI/EMC Filter Module
Required Qty	12 nos.

1	Manufacturer part/model number of the quoted item	
2	Name of the manufacturer/OEM	
3	Website of the manufacturer/OEM	

(Bidder has to write **Yes or No** against each specification in the "Compliance check list" column)

	Parameter	Specifications to comply	Compliance (Check list)
<b>A.</b>	<b>Electrical Specifications:</b>		
	1. Rated Phase to Phase Voltage [VAC]	500V, Y-Connection, 50Hz	
	2. Rated Current [A]	64 Ampere rms	
	3. Isolation Resistance (Terminal-Mounting Plate)	≥ 500 VDC, 5MW min. at room temperature and humidity	
	4. Leakage Current	≤ 10.7mA (typical)	
	5. DC Resistance	≤ 3.5 mΩ	
	6. Operating Temperature	-40 to +85C	
	7. Conduction Noise Reduction	150kHz to 1MHz (typical)	
	8. Line to Ground Capacitor	6.8μF ± 5%	
	9. Safety standards	UL60939 or better	
<b>B.</b>	<b>Physical Specifications</b>		
	1. Case Size (Without Projection)	Height: < 90 mm Width : ≤ 100 mm Depth : ≤ 180 mm	
	2. Weight	< 2kg	
	3. Mounting type	Panel Mount	
	4. Terminal block	Screw tightening	

Name & Signature of Bidder with seal.

**PROFILE OF THE TENDERER**  
(To be given on Company Letter Head)

1. Name of the Firm/Organization :
2. Address :
3. Telephone No. / Mobile No. & Name of The Contact Person:
4. Fax No. :
5. E-mail ID :
6. Month and Year of establishment:
7. Name of proprietor/partners/director:
8. No. of years of experience in this field,  
With Reference, Certificates :
9. Annual Turnover during the last three years  
( Enclose copies of Audited Financial  
Duly certified by CA )  
2021 – 22 :  
2022-- 23 :  
2023 – 24 :
10. Whether the firm is a Tax Assessee ? If so,  
please give the details of PAN and the  
copies of ITR files for the last three  
financial years :
11. Copy of GST Registration :
12. Name of the OEM and address :

**Name & Signature of Bidder with seal.**



**(Undertaking to be given on Bidders/ Company Letter Head)**

I / We (bidder) hereby give an undertaking that:

1. I / We have not been blacklisted / on holiday list / debarred during last three years by any Govt. Department/Govt. Autonomous Body/Institution, etc.
2. I/We do not have any dispute with any of the Govt. Departments/ Govt. Autonomous Bodies/Institutions, etc.
3. I/We have never been certified as 'Unsatisfactory Performer' for the said services provided to the Govt. Departments/ Govt. Autonomous Bodies/ Institutions;
4. I/We have not submitted any fake/forged certificates/ documents and later, if any such 'Certificates/Documents' found to be fake/ forged or contains wilful wrong/ incorrect information, suitable legal actions may be initiated against me/us/agency and the agencies/bidders shall be debarred from tendering with the Institute.
5. I/We shall not withdraw my/our bid after opening of Technical Bid and if done so, the IUAC and the agencies / bidders shall be debarred from tendering with the Institute.

Place:

Date:

Seal and Signatures of the Authorized

Person of the Agency

Name and designation of the

Authorized Person of the Agency

**BID SECURING DECLARATION FORM**  
**(To be submitted by MSME / NSIC on Company's Letterhead)**

Tender No.

Date:

To:  
The Director,  
IUAC  
New Delhi-110067

I/We, the undersigned, solemnly declare that:

I/We understand that, according to your conditions of this Tender document, bids must be supported by a Bid-Securing Declaration in lieu of Bid Security Deposit.

I/We unconditionally accept the condition of this Bid Security Declaration that I/We will automatically be disqualified/suspended from bidding for any contract with IUAC, New Delhi for a period of two years starting from the last date of receipt of this bid/tender, if I/We are in a breach of our obligation(s) under the bid conditions, if I/We:

(a) withdraw / modify / amend/ impair / derogate, in my respect from our Bid during the period of bid validity specified in the Tender Notice.

(b) having been notified of the acceptance of our Bid by IUAC, New Delhi during the period of bid validity,

- (i) fail or refuse to execute the Contract, or
- (ii) fail or refuse to furnish the Performance Security, in accordance with terms and conditions of the tender/bid.

I/We understand this Bid-Securing Declaration shall expire if I/We are not the successful Bidder, upon the earlier of

- (i) our receipt of your notification of the name of the successful Bidder; or
- (ii) Forty-five days after the expiration of the validity of my/our Bid.

Name and Signatures of the Bidder:

Registered Address of the Company:

Company seal

Note: In case of a Joint Venture, the Bid-Securing Declaration must be in the name of all partners to the Joint Venture that submits the bid.

**Part-B :*****Price Bid******Bill of Quantity (BoQ )***

	Manufacturer Nameand Part Number	Description of Items	Unit	Qty	Rate (Rs)	Total Amount
1	Mfr:  Mfr. P/N:	48V, 52A, 2500W AC to DC Converter	Nos.	40		
2	Mfr:  Mfr. P/N:	64A, Three Phase four wire EMI/EMC Filter	Nos.	12		
3	Packing and Freight Charges (if any)					
4	GST					
5	Other Govt. Duties/charges (if any)					
6	Any other Misc. charges etc (if any)					
Grand Total Amount						

**Note:**

1. Price Bid must be submitted on separate sealed envelope on Bidder's letter head.
2. Price should be in Indian Rupees only.