

**INTER-UNIVERSITY ACCELERATOR CENTRE
(An Autonomous Centre of UGC)
Aruna Asaf Ali Marg, New Delhi-110 067, INDIA**

NOTICE INVITING E-TENDER

Tender No: IUAC/NIT/63/SKS/2019-20

Dated: 18/02/2020

Instructions for Online Bid Submission:

Inter-University Accelerator Centre (IUAC), invites online bids through e-Procurement Portal under two bid system, viz., Technical and Financial bids, from eligible and experienced parties for the work/supply of “ **Single phase multi tap and multi output Step Down Transformers** ”.

Tender Documents may be downloaded from Central Public Procurement Portal <http://eprocure.gov.in/eprocure/app> and www.iuac.res.in.

Aspiring bidders who have not enrolled/registered in e-Procurement Portal should enroll/ register before participating through the website <http://eprocure.gov.in/eprocure/app>.

Only bids received through e-procurement portal will be considered for opening. Bids not covering full scope of work/supply of the products/goods will be rejected and only complete bids will be considered.

Bids shall be submitted online only at CPPP website: <http://eprocure.gov.in/eprocure/app>. Tenderers/Contractors/Bidders are advised to follow the instructions provided in the e-procurement portal. Bid documents may be scanned with 100 dpi with black and white option which helps in reducing size of the scanned document.

IUAC reserves the right to accept / reject any/all tenders in part/full without assigning any reasons thereof.

Bidder has to select the payment option as “**offline**” to pay the **Tender Fee** and **Earnest Money Deposit (EMD)** as applicable. The Tender Fee and EMD shall be in the form of **Demand Draft** issued in favour of “**Inter-University Accelerator Centre, New Delhi**” and it should be deposited at IUAC before the bid opening. Bidders registered with MSME/NSIC are exempted from payments of EMD & tender fee. Copy of valid registration certificate should be uploaded in the portal.

Bidders are requested to note that they should necessarily submit their financial bids of all items in the format provided and no other format is acceptable. If the price bid has been given as a standard BOQ format with the tender document, then the same is to be downloaded and to be filled and submit it online without

modifying the format. If the BOQ file is found to be modified by the bidder, the bid will be rejected.

Any Corrigendum/Amendments in respect of above tender shall be issued on website <https://eprocure.gov.in> only. Bidders should take into account any corrigendum published on the tender document before submitting their bids.

E - TENDER DOCUMENT

Name of Work / Supply of	Single phase multi tap and multi output Step Down Transformers
Tender Reference Number	IUAC/NIT/63/SKS/2019-20
Tender Value / Estimate only	Rs 6,50,000/- (Six lakhs fifty thousand)
Earnest Money Deposit	Rs. 13,000/- (Thirteen thousand only)
Tender Document Fee	Rs. 500/- (Five hundred only)
Last Date and Time of Bid Submission	March 16, 2020 at 3.00 p.m.
Date & Time for opening of Technical Bid (Part-A)	March 17, 2020 at 3.30 p.m.
Date & time for opening of Price Bid (Part-B)	To be intimated later on to the technically qualified bidders.
Address for contact	Administrative Officer (S&P) Inter-University Accelerator Centre e-mail: joseph@iuac.res.in S.K.Suman e-mail: suman@iuac.res.in Phone: 011-24126018 & 241260022
Place of opening of the Tender	Committee Room, IUAC

Part-I: General Terms and Conditions of the Tender

- Submission of Tender:** Tenders should be uploaded on CPP Portal in two Parts i.e. Technical Bid (Part-A) and Price Bid (Part-B).

2. **Technical Bid (Part-A):** In this bid, the bidder shall upload scanned copies of following documents which are required for technical qualification. All documents uploaded by the bidder should be self-attested along with stamp). No deviations in respect of NIT conditions are acceptable.
- a) Company particulars on letter head.
 - b) Customers list of reputed institute/laboratories in India along with copy of previous orders where the bidder have supplied EI/R core step down transformers during last three years.
 - c) The vendor should download the technical specifications compliance sheet as given in Annexure-A and should upload with duly filled, signed & stamped by the bidder.
 - d) Tender Acceptance Letter duly signed & stamped by the bidder in their letter head.

Note: Technical bids which are not confirming to the technical specifications as per the Annexure-A will be disqualified.

3. **Price Bid / BOQ (Part-B):** In this bid, the bidder is required to quote his unconditional basic rates **excluding** taxes (GST) in the standard BOQ format provided. Bidder's rate must be inclusive of Freight charges upto the **IUAC, New Delhi**. IUAC is exempted from Customs Duty and GST. Appropriate exemption certificates will be issued by IUAC. Bidders are advised to quote all items in the BOQ in **Indian rupees**. Incomplete quotes will be rejected.
4. **Earnest Money Deposit (EMD) :** An earnest money of **Rs.13,000/-** has to be deposited at IUAC before the tender opening date and time. The EMD shall be only in the form of Bank Draft in favor of **Inter-University Accelerator Centre**, payable at **New Delhi**. No Cheque/Cash shall be accepted as EMD. The refund of EMD to all bidders except the lowest bidder shall be made within 15 days from the date of opening of price bid. The refund of EMD of the successful bidder shall be made after the acceptance of material/items by IUAC.
- Exemption from EMD:** Units registered with National Small Scale Industries Corporation (**NSIC**) or Ministry of Micro Small and Medium (**MSME**) enterprises are exempted from payment of EMD, subjected to:
- a)** The unit being registered with NSIC/MSME for the items tendered.
 - b)** Self attested copy of valid NSIC/MSME registration Certificate is enclosed.
 - c)** Photocopy of application for registration at NSIC/MSME or for renewal of NSIC/MSME will not be acceptable. Such offers will be treated as offers received without EMD.
5. **Validity of Tender:** Tender shall be valid for our acceptance without any change in rates and NIT conditions for a period of 90 days from the date of opening of the Technical bid. No escalation of cost will be acceptable in any condition after opening of tender.
6. **Escalation / Deviation:** No escalation or deviation shall be allowed till execution of order / contract.

7. **Payment Terms:** Payment will be released on complete delivery of goods at IUAC and its certification by the personnel concerned.
8. **Delivery Period:** 45 days from the date of placement of LOI/Purchase Order. Any delay in completing the supply for reasons attributable to the Contractor is liable for liquidated damages as per clause 10 of NIT.
9. **Correspondence:** All the correspondence in respect of tender / contractual obligation shall be made to **“The Administrative Officer (S&P), Inter University Accelerator Centre, Aruna Asaf Ali Marg, New Delhi -110067”**. E-mail: joseph@iuac.res.in, Phone: +91-11-24126018, 24126022.
10. **Liquidated damages:** In case the supply is delayed beyond the specified completion period for reasons attributable to the supplier, deductions on account of Liquidated Damages @ 1% of the supply value per week or part there of will be deducted subject to a maximum of 10% of the total cost.

11. Tender Rejection:

- a) 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.
 - b) Bids not covering full scope of work/supply of the products/goods may be summarily rejected. IUAC reserves the right to drop any item in the final order.
 - c) If BOQ file is found to be modified by the bidder, the bid will be rejected.
 - d) Tenders not complying with any of the provisions stated in this tender document are liable to be rejected.
 - e) If the General Terms and conditions are not accepted and not signed by the bidders, then the respective bids will be rejected.
12. IUAC reserves the right to reject or accept any or all the tenders in full or in part without assigning any reasons whatsoever, and the decision of the Centre in this regard will be binding on all the bidders. Director, IUAC reserves the right to accept or reject any tender without assigning any reason and does not bind himself to accept the lowest tender.
13. 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.

Accepted
(Signature of Bidder)

Technical specifications compliance sheet

Description of the item: Single phase multi tap and multi output Step Down Transformers as per the following.

Item No	Description of Transformer	Manufacturer Name, Part/Model Number	Rqd. Qty	Unit
1	900VA, Single phase <u>EI-core</u> Step Down Transformers as per the Specification table-1. Input: 0-210-230-250V, 1Phase, 50Hz Output (1): 0-10-12-15V (30A , 450VA) Output (2): 0-10-12-15V (30A , 450VA)		20	nos
2	900VA, Single phase <u>EI-core</u> Step Down Transformers as per the Specification table-2. Input: 0-210-230-250V, 1Phase, 50Hz Output (1): 0-28-36-44V (10A, 450VA) Output (2): 0-10-12-15V/ (10A , 450VA)		35	nos
3	140VA, Single phase <u>R-core</u> Step Down Transformers as per the Specification table-3. Input: 0-220-230V, 1Phase, 50Hz Output (1) : 7V (1.40A, 10VA) Output (2) : 7V (1.40A, 10VA) Output (3) : 16V (1.25A, 20VA) Output (4) : 16V (1.25A, 20VA) Output (5) : 16V (1.25A, 20VA) Output (6) : 16V (1.25A, 20VA) Output (7) : 21V (0.95A, 20VA) Output (8) : 21V (0.95A, 20VA)		55	nos

Note:

(1) Bidders have to write the manufacturer's name, Part/Model number in the Technical specifications compliance sheet (Annexure-1) and the check list must be filled/checked in the specifications table.

(2) Bidder has to submit undertaking for supplying a sample piece of each type transformer within 10 days of placing the purchase order to qualify the product for acceptance and order execution. Bidder also has to submit Test Certificate of samples along with the supply of material. (*Note: Purchase Order may be cancelled and payment will not be released if the delivered transformers don't satisfy all parameters of technical specifications during its quality test by IUAC concerned personnel*).

- (3) Bidder has to submit Test Certificate of all the supplied items as per the specifications table along with the supply of material. In addition to this, the accepted bidder/vendor has to submit product Guarantee Certificate of 18 months from the date of delivery of materials.
- (4) Supplied transformers must be one-to-one interchangeable.
- (5) Bidders are advised to see the actual/existing product sample by visiting IUAC site.

Technical specifications compliance sheet

Specification Table-1:		Bidders Check list
Transformer Type	Single Phase , Step Down, Multi-tap and Multi Output Transformers, Dry type	
Transformer core material	CRGO M2H garde Laminated EI Core	
Winding material	Super enamel double coated copper wire , UL approved	
Inter layer insulation	UL approved , Nomex paper or better	
Insulation Class	H	
Transformer output power	900VA	
Primary Voltage (Vrms)	230V,50Hz, single phase	
Number of Tapings on Primary winding	3 tapings (0-210-230-250V)	
Number of isolated Secondary Output	2 outputs	
Number of Tapings on each Secondary winding	3 tapings	
Secondary (output) -1 in rms	0-10-12-15V @ 30A	
Secondary (output) -2 in rms	0-10-12-15V @ 30A	
Rated Frequency	50-60 Hz	
Regulation	Better than 3%	
Transformer Efficiency	Better than 95%	
Impedance	Better than 5% as per IS2026-1997 or latest	
Max. Ambient Temperature	50°C	
Max. Temperature Rise	20°C over max. ambient temperature (50°C)	
Cooling Method	Natural air cooling	
Isolation between the windings & winding to core	>3000Vrms	
DC Galvanic isolation	More than 1000 MΩ between primary& secondary, primary& core, secondary & core	
Input & Output Termination Type	Terminal block of Molex make (Part No- 38720 3204 for Input and 38720 3208 for output) as shown in Figure-1	
Transformer fixing method	Base plate mounting with Oval slot for M5 screw fixing	
Basic Dimension (mm) with tolerance ±1 mm	A = 170 mm, B= 110 mm, W= 115 mm, H= 115 mm (Mounting: X=135mm, Y=95mm) as shown in figure-1	
Transformer must have following common Features : Well finished product, Very good corrosion protection, Very low magnetic stray field, Chassis terminated electrostatic shield between Primary & Secondary, Low Noise emission etc.		

Specification Table-2:		Bidders Check list
Transformer Type	Single Phase , Step Down, Multi-tap and Multi Output Transformers, Dry type	
Transformer core material	CRGO M2H garde Laminated EI Core	

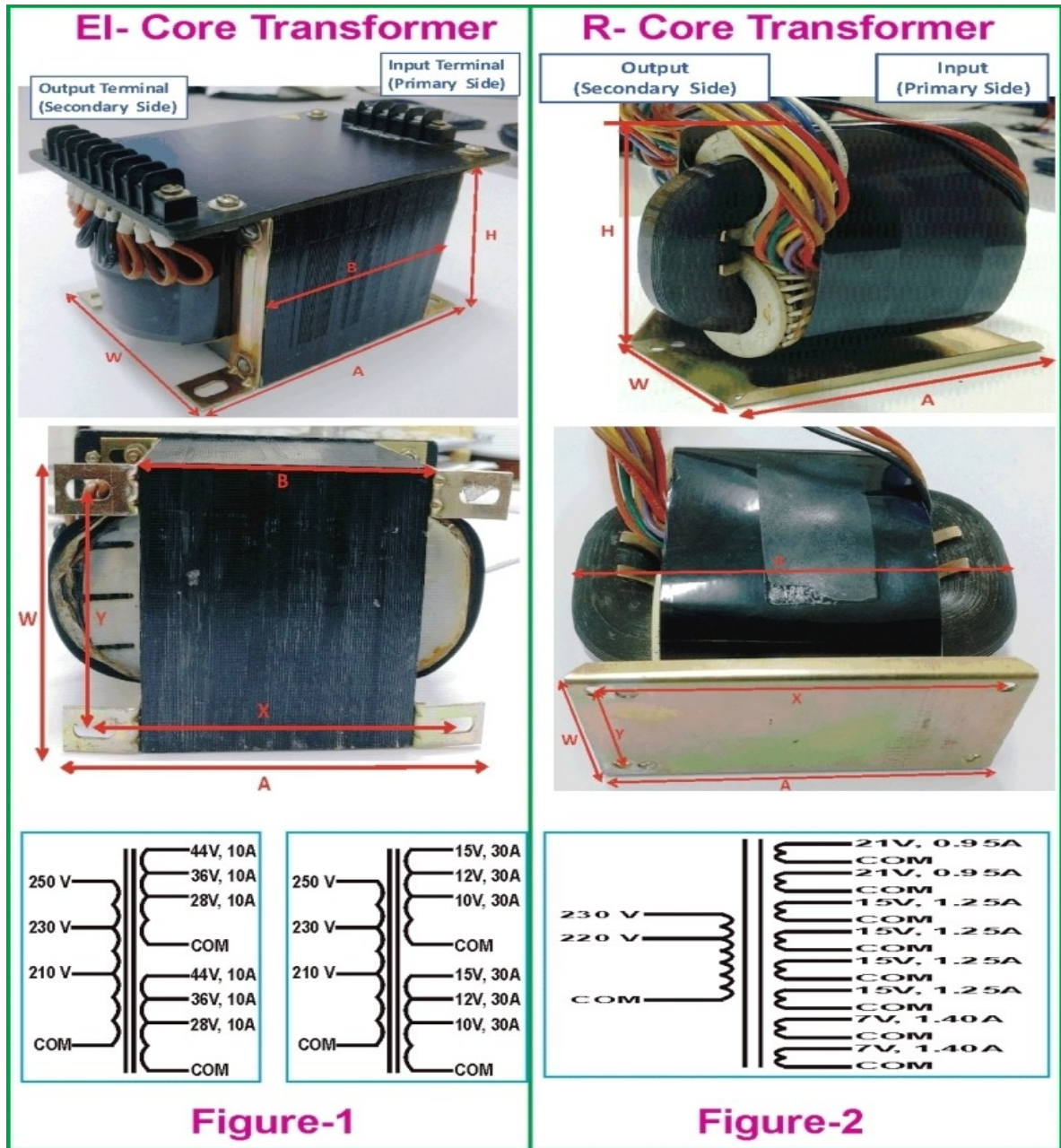
Winding material	Super enamel double coated copper wire , UL approved	
Inter layer insulation	UL approved , Nomex paper or better	
Insulation Class	H	
Transformer output power	900VA	
Primary Voltage (Vrms)	230V,50Hz, single phase	
Number of Tapings on Primary winding	3 tapings (0-210-230-250V)	
Number of isolated Secondary Output	2 outputs	
Number of Tapings on each Secondary winding	3 tapings	
Secondary (output) -1 in rms	0-28-36-44V @ 10A	
Secondary (output) -2 in rms	0-28-36-44V @ 10A	
Rated Frequency	50-60Hz	
Regulation	Better than 3%	
Transformer Efficiency	Better than 95%	
Impedance	Better than 5% as per IS2026-1997 or latest	
Max. Ambient Temperature	50°C	
Max. Temperature Rise	20°C over max. ambient temperature (50°C)	
Cooling Method	Natural air cooling	
Isolation between the windings & winding to core	>3000Vrms	
DC Galvanic isolation	More than 1000 MΩ between primary& secondary, primary& core, secondary & core	
Input & Output Termination Type	Terminal block of Molex make (Part No- 38720 3204 for Input and 38720 3208 for output) as shown in Figure-1	
Transformer fixing method	Base plate mounting with Oval slot for M5 screw fixing	
Basic Dimension (mm) with tolerance ±1 mm	A = 170 mm, B= 110 mm, W= 115 mm, H= 115 mm (Mounting: X=135 mm, Y=95mm) as shown in figure-1	
Transformer must have following common Features : Well finished product, Very good corrosion protection, Very low magnetic stray field, Chassis terminated electrostatic shield between Primary & Secondary, Low Noise emission etc.		

Specification Table-3:		Bidders Check list
Transformer Type	Single Phase , Step Down, Multi-tap and Multi Output Transformers, Dry type	
Transformer core material	CRGO M2H garde R-Core	
Winding material	Super enamel double coated copper wire , UL approved	
Inter layer insulation	UL approved , Nomex paper or better	
Insulation Class	H	
Transformer output power	140VA	
Primary Voltage (Vrms)	230V,50Hz, single phase	
Number of Tapings on Primary winding	2 tapings (0-220-230V)	

Number of isolated Secondary Output	8 outputs	
Number of Tapings on each Secondary winding	1 tapings	
Secondary-1 output (rms)	7Vac @ 1.40 Amp	
Secondary-2 output (rms)	7Vac @ 1.40 Amp	
Secondary-3 output (rms)	16Vac @ 1.25 Amp	
Secondary-4 output (rms)	16Vac @ 1.25 Amp	
Secondary-5 output (rms)	16Vac @ 1.25 Amp	
Secondary-6 output (rms)	16Vac @ 1.25 Amp	
Secondary-7 output (rms)	21Vac @ 0.95 Amp	
Secondary-8 output (rms)	21Vac @ 0.95 Amp	
Rated Frequency	50-60Hz	
Regulation	Better than 3%	
Transformer Efficiency	Better than 95%	
Impedance	Better than 5% as per IS2026-1997 or latest	
Max. Ambient Temperature	50°C	
Max. Temperature Rise	20°C over max. ambient temperature (50°C)	
Cooling Method	Natural air cooling	
Isolation between the windings & winding to core	>3000Vrms	
DC Galvanic isolation	More than 1000 MΩ between primary& secondary, primary& core, secondary & core	
Input & Output Termination Type	Flying lead type of length approx. 50 cm for input & output as shown in Figure-2	
Transformer fixing method	Base plate mounting with Oval slot for M5 screw fixing	
Basic Dimension (mm) with tolerance ±1 mm	A =110 mm, B=135 mm, W=65 mm, H=115 mm (Mounting :X=100mm, Y= 50mm) as shown in figure-2	
Transformer must have following common Features : Well finished product, Very good corrosion protection, Very low magnetic stray field, Chassis terminated electrostatic shield between Primary & Secondary, Low Noise emission etc.		

Name & Signature of Tenderer Company
with Seal

Technical specifications compliance sheet



Name & Signature of Tenderer Company
with Seal

BOQ / PRICE BID FORMAT

(Price should be quoted in the standard .XLS BOQ format of this tender. Unit rate should be inclusive of freight charge upto IUAC New Delhi but exclusive of GST & other government duty. Incomplete price bid will be rejected)

Tender Inviting Authority: INTER UNIVERSITY ACCELERATOR CENTRE

Name of Work/Supply : Single phase multi tap and multi output Step Down Transformers as per Annexure-A.

Sl. No	Description of items	Rqd. Qty	Unit
1	900VA, Single phase EI-Core Step Down Transformers as per the Specification table-1 . Input: 0-210-230-250V, 1Phase, 50Hz Output (1): 0-10-12-15V (30A , 450VA) Output (2): 0-10-12-15V (30A , 450VA)	20	nos
2	900VA, Single phase EI-Core Step Down Transformers as per the Specification table-2 . Input: 0-210-230-250V, 1Phase, 50Hz Output (1): 0-28-36-44V (10A, 450VA) Output (2): 0-10-12-15V/ (10A , 450VA)	35	nos
3	140VA, Single phase R-Core Step Down Transformers as per the Specification table-3 . Input: 0-220-230V, 1Phase, 50Hz Output (1) : 7V (1.40A, 10VA) Output (2) : 7V (1.40A, 10VA) Output (3) : 16V (1.25A, 20VA) Output (4) : 16V (1.25A, 20VA) Output (5) : 16V (1.25A, 20VA) Output (6) : 16V (1.25A, 20VA) Output (7) : 21V (0.95A, 20VA) Output (8) : 21V (0.95A, 20VA)	55	nos

Name & Signature of Tenderer with Company's Seal

TENDER ACCEPTANCE LETTER
(To be given on Company Letter Head)

Date: _____

To
The Administrative Officer (S&P)
Inter-University Accelerator Centre
Aruna Asaf Ali Marg
New Delhi-110 067.

Sub: Acceptance of Terms & Conditions of Tender.

Tender Reference No: _____

Name of Tender / Work : _____

Dear Sir,

1. We have downloaded / obtained the tender document(s) for the above mentioned 'Tender/Work' from the web site(s) namely:

_____ as per your advertisement, given in the above mentioned website(s).

2. We hereby certify that we have read the entire terms and conditions of the tender documents from Page No. _____ to _____ (including all documents like annexure(s), schedule(s), etc .,), which form part of the contract agreement and we shall abide hereby by the terms / conditions / clauses contained therein.

3. The corrigendum(s) issued from time to time by your department/ organisation too have also been taken into consideration, while submitting this acceptance letter.

4. We hereby unconditionally accept the tender conditions of above mentioned tender document(s) / corrigendum(s) in its totality / entirety.

5. We do hereby declare that our Firm has not been blacklisted/ debarred by any Govt. Department/ Public sector undertaking.

6. We certify that all information furnished by the our Firm is true & correct and in the event that the information is found to be incorrect/untrue or found violated, then your department/ organisation shall without giving any notice or reason therefore or summarily reject the bid or terminate the contract, without prejudice to any other rights or remedy including the forfeiture of the full said earnest money deposit absolutely.

Yours Faithfully,

(Signature of the Bidder, with Official Seal)