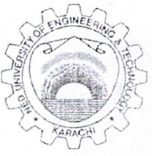




**NED UNIVERSITY OF ENGINEERING & TECHNOLOGY
PROCUREMENT CELL**

Phone# 99261261- 68, (Ext. 2220 & 2471) Fax # 99261255, E-mail: dp@neduet.edu.pk

“Say NO to Corruption”



Director Procurement

No. PC/ NED/M-5-/188571/8516/ **476**

Dated: 10.10.2025

**NOTICE INVITING TENDER
EPDAS**

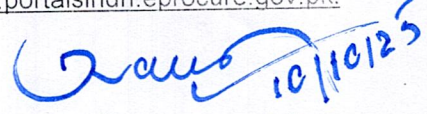
NEDUET invites Sealed Bids on (C&F) based on “Single Stage One Envelope” procedure for Import of Laboratory Equipment from the Manufacturers / Authorized Dealers / Distributors / Suppliers for procurement of follows:

S#	Tender		Tender Schedule – Date and Time				Tender Fee
	Number	Work	Issue / Sale		Submission	Opening	
			From	To			
1.	PC(M-5)/NED/ Equip/Thermofluids Lab/8516/25	Laboratory Equipment for Thermofluids Laboratory for Mechanical Engineering.	16.10.2025	03.11.2025	04.11.2025 10:00 A.M	04.11.2025 10:30 A.M	5,000/-

Eligibility Criteria

- The bidder must have at least 3 years of experience in the relevant field
- Details of turn-over (Including in terms of Rupees) of at least last three years that average turnover of last three years should not be less than Rs 150 million, per year as per online annual returns submitted to FBR.
- Registration with FBR / SRB (whichever is applicable).
- Affidavit on (non-judicial stamp paper) of no litigation history, non-blacklisting, never indulge in any corrupt, fraudulent and collusive practices, also undertaking that the information and documents provided with are correct. The date of issuance of said stamp paper and bidder signature on it should be later than the date of publication of this NIT.

Tender Fee and Bid Security @ 2% in shape of Payorder should be in favor of Director Finance, NEDUET. Bidding documents can be obtained and shall be submitted through EPADs as per above schedule. Bidders are requested to give their Best and Final Price as “No Negotiations” is permitted. Bidding Documents containing detailed terms and conditions are also available at Websites <https://www.neduet.edu.pk> and <https://www.portalsindh.eprocure.gov.pk>.

For  **Director Procurement**
10/10/25

ISSUED ON: _____

ISSUED TO: _____

**Bids Submission Through EPADS only
Manual bids shall not be considered.**

**Enhancement of Academic Facilities at
NED University of Engineering & Technology
[MEGA – 5]**



TENDER DOCUMENT

**“Import of Laboratory Equipment on C&F basis
for Thermofluids Laboratory for Department of
Mechanical Engineering.”**

TENDER NO.: PC (M-5)/NED/Equip/ThermofluidsLab/8516/2025

Procurement Cell

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IMPORTANT NOTE

1. Tender bids must be submitted electronically through EPADS, any clause in this tender document asking for manual submission must be replaced and read as **“through EPADS”**
2. Please attach a copy of Bid Security with the financial proposal through EPADS.
3. Only the Bid Security Pay Order in favor of Director Finance, NED University is to be sent in original on/before the last date & time for electronics bid submission through EPADS.
4. In accordance with the established protocols, if a bid is not reflected in the bid opening list in EPADS, it shall be deemed and treated as a "bid not submitted." Therefore, all participants are advised to verify the inclusion of their submissions in the bid opening list to avoid any misinterpretations regarding their bid status.

ARTICLES OF AGREEMENT

This Agreement made this _____ day of _____ 2025, by and between the Registrar, NED University of Engineering & Technology located at Karachi, Sindh, including his successors in office and Assignees / Agents, acting through the NED University of Engineering & Technology, hereinafter called the "University", of the one part.

And

_____ of _____
located at _____,
hereinafter called the "Supplier / Contractor" which expression shall include their successors, legal representatives of the second part.

Whereas the University requires equipment for the

for Procurement Cell, NEDUET and whereas the Supplier / Contractor has agreed to supply, install, put into operation and demonstrate the working of the said Equipment valued at Rs _____ (_____) in figures and words in the period of _____ months, subject to the terms and conditions set forth, hereinafter, which have been accepted by the Supplier / Contractor.

(Amount in figures and words)

Now this Agreement witnesses as follows:

1. In this agreement words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract hereinafter referred to.
2. The following documents which, for the purpose of identification, have been signed by _____ on behalf of the Supplier / Contractor, and by _____
(Name and designation of the authorized person)
_____ on behalf of the University, all of (name and designation of the authorized person) which shall be deemed to form and be read and construed as a part of this Agreement viz.:

- a) Articles of Agreement;
- b) Instructions to Bidders;
- c) Conditions of Contract;
- d) Bill of Quantity with prices.
- e) The specifications of the equipment; and
- f) Supplier / Contractor's Offer including the relevant correspondence prior to signing of this Agreement with all Annexures duly filled in;

3. In consideration of the payment to be made to the Supplier / Contractor, the **Supplier / Contractor** hereby **covenants** with the University to supply, deliver, install, put into operation and demonstrate the working of the Equipment Supplies in conformity in all respects of the Contract & the order form No.
4. The **NED University** hereby **covenants to pay** the Supplier / Contractor in consideration of the supply, delivery, installation, putting into operation and demonstration of the working of the Equipment the contact price in the manner prescribed by the Contract and approved by the University.

In Witness Whereof the parties have hereunto set their respective hands and seals, the day, month and year first above written.

WITNESSES:

NED UNIVERSITY _____

Contractor/ Supplier _____

Witness No.1:

Witness No.1:

Signature: _____

Signature: _____

Name: _____

Name: _____

Designation: _____

Designation: _____

Witness No.2:

Witness No.2:

Signature: _____

Signature: _____

Name: _____

Name: _____

Designation: _____

Designation: _____

INSTRUCTIONS TO BIDDERS

The NED University of Engineering and Technology, intends **Import of Laboratory Equipment on C&F basis for Thermofluids Laboratory for Department of Mechanical Engineering**. this tender is issued for the supply, installation, putting into operation and demonstration of the working of the Equipment as per the Schedule of requirements given in this Tender Document.

PREPARATION OF TENDER.

1. Language of Tender

The **Tender** along-with any accompanying literature shall be prepared in **English** language only:

2. Submission of Tender

- a) The **Tender** shall be enclosed in a double cover. The outer cover shall bear the address of the Director Procurement, NED University of Engineering and Technology without any indication that it encloses a tender. The inner cover shall be marked with the title of the tender, number of invitations to the Tender and the date of opening of the Tender, and **must be sealed**.
- b) The **Form for Tender**, (Annexure-A) **Tender Particulars (Annexure-B)** and **Forms of Schedule to Tender** (Annexure "C1"&"C2") enclosed herewith, shall be submitted in duplicate. The authorized person signing the tender documents must state his full name and authorized position designation underneath his signature.
- c) The **erasing and/or alterations**, if any, in the Tender shall be authenticated by the authorized person by his full signature.
- d) The **Tender** shall be accompanied with the **original quotations** from the manufacturers, in case the Tender is submitted through their authorized agents or distributors, and shall be supported by credentials establishing the experience and standing of the manufacturers and / or their authorized agents or distributors.
- e) **Ambiguous and incorrect answers** and/or incorrect filling of Tender Documents will render the tender liable to rejection.
- f) **Quotations** through cable, telegraph, telex, fax, or e-mail shall not be considered.
- g) The tenders shall not rely on any **interpretation or correction** given by any person except the written **addenda and/or corrigenda** to documents issued by the Director Procurement NED University of Engineering and Technology.

3. Bid Security and Contract Performance Security

- a) Each bidder shall furnish, as part of bid, Bid Security which should be equivalent to 2% of the total bid cost offered by the bidder total bid cost in PKR worked-out at [Page No. 44] in the form of Pay order / Bank Draft / Banker's cheque in Pak Rupees or an equivalent amount in a freely convertible currency. The Bid Security shall be, at the option of the bidder, in the form of Deposit at Call / Pay Order or a Bank Guarantee issued by a Scheduled Bank (A Rated) in Pakistan or from a foreign bank duly counter guaranteed by a Scheduled Bank (A Rated) in Pakistan in favour of the **"Director Finance, NEDUET, Karachi"** valid for a period 28 days beyond the Bid Validity date. Any bid not accompanied by an acceptable Bid Security shall be rejected by the NEDUET as non -responsive. The bid securities of unsuccessful bidders will be returned as promptly as possible, but not later than 28 days after the expiration of the period of Bid Validity. The Bid Security of the successful bidder will be returned when the bidder has furnished the required Performance Security and signed the Contract Agreement. The Bid Security may be forfeited:
 - a) If the Bidder withdraws his Bid
 - b) If the Bidder does not accept the correction of his Bid price or
 - c) In the case of successful Bidder, if he fails within the specified time limit to furnish the required Performance Security; or (ii) sign the Contract Agreement.
- b) The **successful bidder** shall have to give a **Contract Performance Bond**, as per **Annexure "E"** to this Tender Document, to the extent of **5% of the total value** of the contract on the same conditions as the Bid Bond. The Performance Bond shall be retained by the Procuring Agency, till the completion of the guarantee period as per Clause 23 of the Conditions of Contract.

4. Quality of Equipment.

- a) The Equipment and other relevant materials (hereinafter called **"Equipment"**) quoted and supplied against this "Invitation to Tender" shall be strictly in accordance with the **Specifications** attached with this Tender Document. The Equipment shall be the product of an established manufacturer shall conform to internationally acceptable commercial standards, and shall be a model that has been successfully operated over a reasonable period of time in educational institutions R&D organizations, or relevant industry.
- b) In Bidders must also warrant the use of best material in the making of the, Equipment by the find that the Specifications for any items of the Equipment are lacking in details, they may give their own proposals with detailed specifications, preferably three alternate proposals, if possible, for such items in Annexure "F".
- c) The Equipment offered by the tenders must be of a quality suitable for the purposes and operations for which they are required, and must be capable of rendering the required performance and services at site in the local conditions of extreme tropical climate, air, dust, water, power and fuel at Karachi.

- d) The Hardware for operation of the Equipment will be made available by the University.
- e) The electric supply for operation of the Equipment will be made available at 220volt single phase, or 380volt three phase, and 50 cycles.
- f) The Equipment offered shall be complete with their standard accessories and must be accompanied by their normal instructions book/manual.
- g) Wherever possible or feasible, each item of Equipment offered must have its own protection devices, e.g., overload protection by circuit breakers or fuses, or voltage stabilizer for electric equipment.
- h) Unless stipulated otherwise in the specifications for any item, the Equipment conforming to ASA, SAE, SSI or DIN will be acceptable.
- i) The successful bidders may be asked to supply list of spares for 05 years satisfactory operation of any item of the Equipment prior to award of the contract.

5. Literature.

The bidders must furnish with their bid's catalogues giving full technical details of the Equipment to enable the NEDUET to check their offers technically against the prescribed specifications failing which the offers will be liable to rejection.

6. Principals Name, Certificate and Invoice.

- a) The bidders are required to mention in their quotations/offers the name and address of their principals along with a certificate authorizing them (bidders) to quote on their (Principals) behalf as under:

"This is to certify that M/s. _____ located at _____ have obtained quotations from us against tender inquiry No. _____ dated _____ from NED University of Engineering and Technology, at Karachi, due for opening on _____ and have agreed to make available the Equipment on the quotations and terms and conditions of the tender".

The above condition does not apply to the manufacturers bidding directly.

- b) The bidders must also furnish along with their offers their principals original Proforma Invoice failing which their offers will be rejected.

7. Country of Origin.

The bidders must state in his Tender the country of origin of the Equipment offered.

8. Alternative Proposal.

If any tenderer elects to submit alternative proposal(s) complete information on the alternative items and accessories including all data relating to technical specifications in Vol. I, II & III shall be given as per Annexure "F" together with prescribed Bid Security. It is explicitly clarified that in case, without bid security of optional/alternate/accessories items, complete bid shall be reject

9. Prices.

- a) **CATEGORY-‘A’** **Equipment Manufactured/Available in Pakistan without.**

Involving Import.

The prices quoted must be total per unit in as shown in **Annexure “C- 1”** and shall include:

- i. All charges for packing, marking, handling, insurance, inspection, guarantees, freight/transportation, agent's commission; and all duties, taxes, levies, octrois etc.; and.
- ii. The cost of installation, putting into operation and demonstration of the working of the Equipment in the premises of the NED University.

- b) **CATEGORY-“B”.** **Equipment Imported from approved Countries.**

The prices must be quoted for each item of Equipment in **Annexure-“C2”** separately for each of the PARTS given below:

PART-1. Payment in Foreign currency.

The C&F prices quoted by the principals in the currency of the country of origin.

For the purpose of comparison, the prices quoted shall be converted to equivalent prices on the basis of the official bank rate prevalent on the date of opening of the Tender.

PART-2 Payment in Foreign Currency

- (i) The agent's/ Supplier / Contractor's commission in Pakistani Rupees.
- (ii) The insurance charges. The insurance will be arranged by the Supplier / Contractor through the University with National Insurance. The University will assist the Supplier / Contractor in obtaining the insurance at concessional rates, if any, as allowed by the Government. However, Insurance expenses will be reimbursed as clause No. (N) of Bidding Data.
- (iii) The cost of installation, putting into operation and demonstration of the working of the Equipment in the NEDUET in Pakistani Rupees.
- (iv) All the charges pertaining to handling and clearance of the Equipment at the port including all taxes, levies, octrois etc. but excluding the customs duties for the payment of which the NED University is exempted by the Government. However, if the customs duties are charged for any items of the Equipment for which the Government the exemption, the NED University will make the payment on production of original receipt / voucher.
- (v) The transportation charges for transporting the Equipment from the port to the premises of the NED University including the charges for loading the Equipment at the port and unloading the same at the NED University.

- (c) In addition to what is stated in para - a & b) above, the prices given in Annexure C1 & C2 shall also include the following for the Equipment of both the Categories-A & B.
- (i) Supply, detailing, manufacture, factory testing, export preparation and all costs incidental to shipping/transport up to the stage of installation in the premises of the NED University.
 - (ii) Responsibility for any loss and/or damage at any stage from manufacture to installation in the premises of the NED University.
 - (iii) Provision for clean on boards bills of landing.
 - (iv) The cost of export taxes, fees and charges levied and outgoing incurred on exporting goods in the country of origin.
 - (v) The expenses on account of the certificate of origin, invoices or any other documents issued in the country or origin.

10. Validity of Prices/Tender

- a) The prices quoted shall be valid for a period of at least 90 days from the date of opening of the tender.
- b) Until the final Contract is executed, the successful bidder shall be bound by the terms and conditions of this Tender Document.

11. Acceptance of the Terms

- a) The submission of the tender against this tender inquiry by the tenderer means that the tenderer has read and accepted the terms and conditions relating to all the tender documents and annexures, and that he/she has thoroughly examined the specifications and particulars in the tender inquiry. Further the tender shall be deemed to be fully aware of the nature of the Equipment and the purpose for which they are required and shall be bound to accept the Contract if placed with him/her on the basis of the prices and of the delivery schedule as indicated in Clause 12 hereof within the validity of his/her Tender.
- b) If the Tender is awarded in favour of Proprietor / Principals who has no authorized agent or distributor in Pakistan, he/she shall have to appoint a distributor or nominee for the purpose of successful completion of the contract and to provide after-sales service.

12. Delivery Period.

i. Shipment of Imported Items.

- a) The shipment of the items of Equipment which are to be imported shall be started as early as possible, the shipment schedule shall be submitted to the Project Director NED University, and shall be negotiable and subject to approval by the NED University.
- b) The tenderer must indicate in his/her offer the port from where the Equipment will be shipped.

ii. Delivery Period.

- a) The entire Equipment must be delivered, installed and put into operation in the NED University as early as possible after receiving the letter of award of the Contract.
- b) The Tenderer shall give in the offer his/her own schedule for the delivery and installation of various items of the Equipment which shall be negotiable and subject to approval of the NED University.

iii. Delay in the Delivery of the Equipment Supplies.

- a) For the Equipment delayed beyond the delivery period, as specified in the Contract, or as approved by the NED University as stated in Clause 12 ii b) above, there shall be levied liquidated damages as specified in Clause 22 of the Conditions of Contract given in this Tender Document.
- b) The liquidated damages may be waived fully or partially by the Indenting Department, with the approval of the Vice Chancellor of the University, if there are reasonable grounds for such a delay.

13. Negotiations

Under no circumstances will the negotiations take place with any tenderer with regard to Specifications and Prices quoted and read out at the public opening of the tenders and with regard to the substance of the offer. The bidders cannot revise their prices after the public opening of the tenders.

14. Rights of the NED / University

- (a) The NED University reserves the right to reject any or all bids as mentioned in SPPRA rules, or not waive minor irregularities or errors in any offer. If it appears to the NED University that such irregularities or errors must be corrected in the offer in which they occur, the same will be corrected prior to issue of the letter of intent which may be awarded thereupon.
- (b) The NED University is neither bound to accept the lowest or any other offer nor is it bound to assign reason for rejection of any offer.
- (c) The NED University reserves the right to award the contract to one bidder or divide it among several bidders.
- (d) The NED University reserves the right to increase or decrease the quantity of the Equipment at its discretion without assigning any reason whatsoever.
- (e) The NED University reserves the right to cancel the offer of the tenderer whose bid has been found / evaluated to be the lowest if it is revealed to the NED University that the tenderer does not have the capability or financial resources or facilities to carry out the Contract in accordance with the terms and conditions of this Tender Document.

15. Evaluation of Bids.

- a) All bids shall be evaluated in accordance with the evaluation criteria and other terms and conditions set forth in the bidding documents.
- b) For the purpose of comparison of bids quoted in different currencies, price shall be converted into a single currency specified in the bidding documents. The rate of exchange shall be the selling rate prevailing seven working days before the date of opening of the bids specified in the bidding documents, as notified by State Bank of Pakistan.
- c) A bid once opened in accordance with the prescribed procedure shall be subject to only those rules, regulations and policies that are in force at the time issuance of notice of invitation of bids.
- d) In comparing bids the NED University will consider, besides the prices quoted, such other factors as compliance with specifications, relative quality of Equipment Supplies, past experience of the tenderer, after-sales services facilities available in Pakistan and the tenderer's capacity to perform.
- e) The evaluation criteria specifically mentioned in the specifications will also be considered for evaluation of the bids.
- f) For the purpose of evaluation, the prices to be compared shall be the total prices inclusive of all duties, taxes, freight charges etc. as stated in clause 9 titled "Prices" above.
 - (i) For the items quoted in Annexure-C-1, the total prices as mentioned in Clause-9(b) shall be compared.
 - (ii) For comparison of the items quoted in Annexure C-1 with those quoted in Annexure C-2, the total prices as mentioned in Clause-9(a) including the charges/cost packing, making, handling, insurance, inspection guarantees, clearance, freight/transportation upto the University's premises duties, taxes, levies, octrois etc.

16. Errors in the Bids.

- (i) Any arithmetic errors found during evaluation of bids will be rectified on the following basis:
 - a) If there is a discrepancy between the unit price and the total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail and the total price shall be corrected by the NED University.
 - b) If there is a discrepancy between the words and figures, the amount in figures shall prevail.
 - c) If there is any discrepancy between the total tender price entered in the Articles of Agreement and the total shown in the Schedule of Prices, the amount stated in the Articles of Agreement shall be corrected by the NED University in accordance with the corrected schedule of Prices.

- (ii) If the tenderer does not accept the corrected amount of tender, his/her Tender will be rejected and the Bid Bond submitted with the tender shall be forfeited.

17. Foreign Exchange for Items of Equipment to be imported.

For the items of Equipment which are to be imported and for which the prices have been quoted on C&F basis in Annexure C-2, the University will arrange payment in the foreign currency, to the extent of the C&F amount, as stated in Clause 9(b), through its bank in Pakistan in accordance with the prevailing foreign exchange control rules/regulations of the Government of Pakistan.

18. Applicable Law

This tender shall be interpreted in accordance with the SPP Rules 2010 (amended up to date). However, in accordance with to relevant provisions of SPP Rules 2010 (Amended up to date), the Procuring Agency reserves the right to accept or reject any bid, and to annul the bidding process and reject all bids at any time prior to contract award.

BIDDING DATA

(A)	Name of Procuring Agency:	NED University of Engineering & Technology, University Road, Karachi.	
(B)	Brief Description of Works:	“Import of Laboratory Equipment on C&F basis for Thermofluids Laboratory for Department of Mechanical Engineering.	
(C)	Procuring Agency’s address:	NED University of Engineering & Technology, Main University Road, Karachi. Ph# 99261261-68 (Ext: 2471) Fax: 99261255.	
(D)	Bid Cost:	Bid cost should be based on C&F inclusive all taxes and duties etc.	
(E)	Amount of Bid Security:	2% amount in PKR in Shape of Pay Order /Bank Guarantee / Demand draft in favor of Direct Finance, NEDUET.	
(F)	Period of Bid Validity (days):-	(90 days)	
(G)	Performance Bond:	5% of Work Order Amount in PKR in Shape of Pay Order /Bank Guarantee / Demand draft in favor of Direct Finance, NEDUET.	
(H)	Deadline for Submission of Bids along with time:	As notified in NIT	
(I)	Venue, Time, and Date of Bid Opening:	As notified in NIT	
(J)	Time for Completion from written order of commence:	Maximum upto 120 days from the date of Letter of Intent.	
(K)	Time of Maintenance	12 Months from the date of issuance of Inspection Certificate.	
(M)	Payment in Foreign currency	An irrevocable letter of credit of the C&F price, in the currency quoted by the principals, will be opened in a bank in the country of origin only in favor of the Manufacturer within 30 days after signing the Contract.	
(N)	Local charges	Local expenditure i.e., Insurance and Clearing & Forwarding shall be reimbursed and paid in PKR on production of original bill / receipt. Bidders are required to mention estimated cost of local expenditure with their bids if bidder does not mention total estimated of local expenditure, then no any amount shall be reimbursed under these accounts.	
(O)	Eligibility	i)	The bidder must have at least 3 years of experience in the relevant field.
		ii)	Details of turn-over (Including in terms of Rupees) of at least last three years that average turnover of last three years should not be less than Rs 150 million, per year as per online annual returns submitted to FBR.
		iii)	Registration with GST and must have active status.

		iv)	Affidavit on (non-judicial stamp paper) of no litigation history, non-blacklisting, never indulge in any corrupt, fraudulent and collusive practices, also undertaking that the information and documents provided with are correct. The date of issuance of said stamp paper and bidder signature on it should be later than the date of publication of the NIT.
		v)	Bidders must not have forfeited performance security and/or cancelled or terminated a contract schedule with this Procuring Agency (NEDUET).

Other Terms & Conditions:

(a) Under following conditions bid shall be rejected;

(i) Conditional and telegraphic bids/tenders. (ii) Bids not accompanied by bid security of 2% of The Bid price and relevant documents mentioned in (b) below). (iii) Bids received after specified date and time. (iv) Bid not signed, named & stamped by the authorized person of the firm / Companies along with authorized letter. (v) Blacklisted firms/companies (vi) If bid quoted without government taxes and duties etc. (vi) Bid quoted other than C&F shall be rejected.	(viii) Bidders are advised that before Filling the bidding documents all pages of bidding documents should carefully be rechecked. If any page(s) / paper(s) of bidding documents are missing that can be downloaded from the official website of this University and SPPRA, and also can be obtained from the office of the DDP in Procurement Cell, NEDUET, Karachi. Bid(s) with Incomplete bidding documents will straightaway be rejected. All Bidding documents must be signed, named & stamped by authorized person of the firm/ Companies along with authorized letter. (ix) Bidders are required to provide their valid E-mail Ids and Contact numbers(s) for effective and timely communication. (x). After issuance of Purchase Order, all correspondence and matters Shall be dealt by Project Director (Mega M-5) of NED University.
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(b) Responsive Bidder is required to submit following documents with their bid:

(i) List of similar assignments with cost (mention number of projects with their cost) Under-taken over the past 03 years. (ii) Details of equipment, machineries and transport Owned by firms/contractor. (if applicable). (iii) Financial Statement and income tax returns for the last 03 years.
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Signature & Stamp of Bidder

1. Scope of the Contract

- a) The **Scope of the Contract** shall be the supply, delivery, installation, putting into operation and demonstration of the working of the Equipment in the premises of the NED University at Karachi, in accordance with the technical Specifications and Bill of Quantities enclosed in this Tender Document.
- b) The Supplier / Contractor shall within a period of one month of the execution of the agreement furnish to the University a **detailed program** for supply and delivery of various items of the Equipment for necessary approval by the NED University.

2. Definition of Terms

In writing these Conditions of Contract, Specifications and Bill of Quantities, the following words shall have the meanings hereby indicated, unless there is something in the subject matter or Contract inconsistent with such constructions:

- i. **The University** shall mean the NED University of Engineering and Technology, Karachi, Sindh.
- ii. **The Supplier / Contractor or Supplier / Contractor** shall mean the Tenderer (Bidder) whose Bid has been accepted by the University and shall include the Bidder's executors, administrators, successors and permitted assignees.
- iii. **The Equipment** shall mean and include all the Equipment Supplies, literature, materials and articles to be provided by the Supplier / Contractor under the Contract.
- iv. **The Contract** shall mean the agreement signed by the Supplier / Contractor for the supply, delivery, installation, putting into operation and demonstration for the working of the Equipment as stated under the Scope of the Contract above.
- v. **The Contract Price** shall mean the sum mentioned in or calculated in accordance with the provisions of the Contract, which is to be paid to the Supplier / Contractor for satisfactory execution of the Contract in accordance with these Conditions of Contract.
- vi. **The Specifications** shall mean the specifications annexed to or issued, herewith, and shall include the schedule and drawings attached hereto as well as the samples and patterns if any.
- vii. **Month** shall mean the Calendar month.
- viii. **Writing** shall include any manuscript, type-written, printed or other statement reproduced in any visible form and whether under seal or under hand.

- a) The term **Contract Document** shall mean the following documents which shall be deemed to form an integral part of the Contract:
- i. Articles of Agreement;
 - ii. Instructions to Bidders;
 - iii. Conditions of Contract;
 - iv. Bill of Quantities with prices.
 - v. The Specifications of the Equipment; and
 - vi. Supplier / Contractor's Proposal / Offer including the relevant correspondences prior to signing of the agreement with all Annexures duly filled in;
- b) In the event of any **conflict** between the above-mentioned documents, the present Articles of Agreement and Conditions of Contract shall prevail. For enhancement of quality and efficiency terms & conditions of contract can be reviewed with the mutual consent between successful bidder(s) and Procuring Agency.

4. **Signing of the Contract Agreement**

Within 15 days of the issue of the letter of intent, the successful bidder (bidders) will be required to **sign an agreement** with the NED University for the supply of such quantity, in whole or in part, of the tendered Equipment as will be communicated to him / her (them) in the letter of intent.

5. **Packing, Marking and Handling**

- a) All the Equipment Supplies, whether imported or locally manufactured / available, shall be delivered to the NED University at Karachi in **safe and secure condition** at the risk and cost of the Supplier / Contractor.
- b) The packing, marking and handling shall be so arranged by the Supplier / Contractor as to **prevent any loss of or damage** to the Equipment.
- c) In case any of the items of the Equipment are to be imported by the Supplier / Contractor, the **import** shall be **arranged by the Supplier / Contractor** himself / herself with such packing and marking and through such means as deemed fit by him / her for safe and secure delivery at NEDUET. The packing of the equipment shall be the usual export packing to ensure safe journey by air, sea, rail and road, as the case may be, of the Equipment to destination. Each packing shall be clearly marked in English with the following:

- i. Port of Destination: KARACHI.
- ii. Name of the Ship: _____
- iii. Name of the Consignee: FOCAL PERSON (Mega M-5)
NED UNIVERSITY OF
ENGINEERING &
TECHNOLOGY KARACHI,
SINDH,
PAKISTAN
- i. Name of the Supplier / Contractor: _____
- ii. SUPPLIER / CONTRACTOR'S NAME & ADDRESS: _____

- iii. Case Number & Contents: _____
- iv. Net Weight & Dimensions: (length, Breadth & Height): _____
- v. Gross Weight: (Kg.) _____
- vi. Number & Date of Contract: _____
- vii. Marking: **NEDUET**

6. Transportation and Shipment

a. For Equipment to be Imported

- i. All those items of Equipment which are to be imported by the Supplier / Contractor shall be **shipped** by whatever means the Supplier / Contractor deems fit **at his / her risk and cost**. The Supplier / Contractor must keep NED University informed of the shipping arrangements, schedule of shipping, arrival at the port, clearance from the port, and transportation from the port to the NED University at Karachi.
- ii. **All costs** of loading of the Equipment from the wharves at port of shipment and also the cost of ship wharf age / berthing, demurrage charges, stevedoring, handling charges and other port and river dues in respect of shipment companies' vessels at the port of shipment and all other expenditure up to the stage of placing the Equipment at rest on board the ship and the freight charges shall be **borne by the Supplier / Contractor**.
- iii. Similarly, all costs of unloading the Equipment at the wharves, wharf age / berthing, demurrage, stevedoring, handling charges and other port dues at the port of arrival in Pakistan and transportation from the port up to the stage of placing the Equipment position in the premises of the University shall be borne by the **Supplier / Contractor**. However, these Local expenditures i.e., Insurance and Clearing & Forwarding shall be reimbursed and paid in PKR on production of Original bill / receipt.
- iv. All things being equal, **Pakistan flag ships** should be used, as far as possible, for shipment of the Equipment. If no such ship is available, such other ships may be used consistent with the execution of this Contract with economy and efficiency.
- v. The Equipment must be shipped **under deck**
- vi. The Supplier / Contractor shall send by air mail / courier service or personally deliver 4(four) sets of non-negotiable shipping documents direct to the Director Procurement, NED University of Engineering and Technology, Karachi, so as to reach him at least 8 (eight) days before arrival of the ship at the port in Pakistan.

- i. All those items of the Equipment which are to be manufactured in Pakistan, or are to be supplied from the locally available stocks (whether imported or manufactured in Pakistan), may be transported from the place of manufacture or availability to Karachi by **any mode of transportation** as deemed convenient and suitable by the Supplier / Contractor at his / her risk and cost.
- ii. **All costs** of handling, loading, transportation, unloading and placing the Equipment in position in the premises of the NED University shall be **borne by the Supplier / Contractor**.

7. Pre-shipment and After-fabrication Inspection

- a) The **pre-shipment inspection** and / or the inspection of the Equipment Principals/Proprietor at the premises, if desired by the NED University, shall be arranged by the Supplier / Contractor at his / her own cost. The responsibility for the quality, quantity, correctness and adherence to the Specifications etc. of the Equipment shall lie solely and squarely on the Supplier Contractor / Contractor.
- b) The NED University may, at its discretion, waive pre-shipment inspection and hence issue the waiver in writing so that the Equipment could be shipped under manufacturer's test certificate. This waiver shall be deemed as authorization to ship for the purpose of negotiating the letter of credit.
- c) The pre-shipment inspection and/or the waiver thereof shall in no way above the Supplier / Contractor of any of his obligations under this Contract

8. Insurance

The **Supplier / Contractor shall arrange** the insurance for the Equipment in whatever way he / she deems fit at his / her risk and cost. Once the shipment is arrived & consignment reached to NEDUET satisfactorily, insurance charges will be reimbursed to Bidder upon formal request together with other local expenditure after issuance of Inspection Certificate, as specified vide clause (M) of Bidding Data of Bidding Documents.

9. On-arrival Inspection

There shall be inspection of the Equipment by the representatives of the University after arrival in the premises of the NED University in presence of the Supplier / Contractor or his authorized representatives and the representatives of the insurance company. The **inspection report**, which, inter-alia, should indicate the condition in which each item of the Equipment has been received, shall be signed by the above representatives. The Supplier / Contractor shall coordinate with the Director Procurement and Indenting Department of NED University, and the insurance company for arranging the inspection at such date and time as is convenient to the above representatives.

Upon receipt of the Equipment Supplies in the premises of the University and after inspection, as stated in Clause 9 above, the NED University will issue a **taking- over certificate** in respect of those items of Equipment which are received in acceptable condition. The taking-over of the damaged items will be with-held until the same are repaired / replaced and are re-inspected and found in acceptable condition.

11. Installation and Demonstration of Equipment

Supplies. a). Installation

- (i) After inspection and taking over of the Equipment as stated in Clauses 9 and 10 above, if required the **Supplier / Contractor shall install** those items of Equipment which are to be permanently positioned in place in the premises of the NED University. For this purpose, the Supplier / Contractor shall co- ordinate with the Indenting Department, NED University, for making arrangements for the Hardware needed for the installation.
- (ii) The cost of hardware **for such installation** shall be borne by the Supplier / Contractor/ Contractor as per contract. The Supplier / Contractor shall provide, along with his offer, the details of the hardware needed for each item of the Equipment separately. The technical and other personnel needed for installation of the Equipment shall be provided by the Supplier / Contractor at his cost. The entire cost of installation, configuration, application except that of the needed hardware, shall be borne by the Supplier / Contractor.

b) Demonstration

- (i) After installation of the Equipment, as stated in Clause 11 a) above, the complete **working of each item** of Equipment for the purpose of performing the intended Laboratory experiments, testing of specimens and recording of the test results etc., shall be demonstrated fully to the designated staff of the University by the Supplier / Contractor or his technical personnel.
- (ii) The entire **cost**, including the T.A. / D.A. of the personnel involved in the demonstration, shall be **borne by the Supplier / Contractor**.

12. Completion Certificate

After completion of the installation and demonstration, as stated in Clause 11 above, a certificate is to be obtained by the Supplier / Contractor from the concerned **Department** stating that the Equipment (item-wise) have been satisfactorily installed and demonstrated by the Supplier / Contractor.

13. Terms of Payment

The Supplier / Contractor shall be paid for Equipment in the following manner:

- a) **CATEGORY A:** **Equipment Manufactured/Available in Pakistan without involving import.**

- i. For all those items of Equipment for which the completion certificate has been issued by the University, as stated in Clause **12** above, the University will pay to the Supplier / Contractor total price of the items quoted by the Supplier / Contractor.
 - ii. The payment for those items of Equipment for which the completion certificate has not been issued by the University, as stated in Clause **12** above, will be with- held and released only after the damaged items are replaced / repaired, re- inspected and found in satisfactory condition with consequent issuance of the completion certificate. The payment will be made in the same manner as stated in Clause **13 a) i** above
- b) **CATEGORY-B: Equipment Imported from Approved Countries.**

The payment for this category of Equipment will be made in two parts as under:-

PART-I. Payment in Foreign currency

- i. An irrevocable **letter of credit** of the C&F price, in the currency quoted by the principals, will be opened in a bank in the country of origin only in favor of the Manufacturer within 30 days after signing the Contract.
- ii. The letter of credit amount will be paid against presentation of the shipping documents to the bank through the above letter of credit. The required shipping documents include:
 - Clean on-board bill of lading;
 - Supplier / Contractor's detailed invoice showing description of the Equipment specifications, quantity, unit price and total price;
 - Detailed packing list;
 - Certificate of origin of the Equipment and
 - Certificate of pre-shipment/after-fabrication or authorization to ship Equipment as per Clause-7.

PART-2. Payment in Foreign Currency

The Rupee component of the price of the Equipment as stated in Clause **9b) of "Instructions to Bidders"** will be paid to the Supplier / Contractor in the following manner:

- i. For all those items of Equipment for which the taking over certificate has been issued by the University, as stated in Clause **10** above, the University will pay as per contract of the total price of the items quoted by the Supplier / Contractor/ Contractor.
- ii. The payment for those items of Equipment for which the completion certificate has not been issued by the University, as stated in Clause **10** above, will be withheld and released only after the damaged items are replaced/repaired, re-inspected and found in satisfactory condition with consequent issuance of the completion certificate. The payment will be made in the same manner as stated in Clause **13 a)i** above

- a) The Supplier / Contractor shall **warranty** that the Equipment shall be fit for the purposes and operation mentioned in the relevant clauses of the “Instructions to the Bidders” and “Conditions of Contract”, notwithstanding the fact that the entire Equipment or any item or part of the Equipment bear or are found to bear a patent or trade mark.
- b) The Supplier / Contractor shall guarantee supply of good quality Equipment in accordance with the Specifications and as stated in Clauses 4 and 5 of the “Instructions to the Bidders”. Further, the Equipment shall be brand new and absolutely free from all defects in material, quality and workmanship. In case of defects, the defective Equipment or the defective parts / components of the Equipment thereof, shall be replaced by the Supplier / Contractor free of cost to the University within reasonable time.

15. Breach of Contract

In case of breach of warranty / guarantee or Contract, the **damages** suffered by the NED University shall be **recovered from the Supplier / Contractor** out of any payment due to the Supplier / Contractor and / or in accordance with the terms and conditions of the Contract Performance Bond given at Annexure “E” enclosed with this Tender Document, without notice to the Supplier / Contractor.

16. Supplier / Contractor’s Default Liability

- a) NED University may upon written notice of default to the Supplier / Contractor **terminate the Contract** in the circumstances detailed hereunder:
 - i. If in the judgment of the University, the Supplier / Contractor fails to make delivery of the Equipment within the time specified in the Contract Agreement or within the period for which extension has been granted by the University; and
 - ii. If, in the judgment of the University, the Supplier / Contractor fails to comply with any of the other provisions of the Contract.
- b) In the event the NED University terminates the Contract, in whole or in part, as provided in Clause **16 a)** above, the NED University reserves the right to **purchase**, on such terms and conditions as it may deem appropriate, Equipment similar to the one terminated, and the Supplier / Contractor will be liable to the NED University for any additional costs for such **similar Equipment** and / or for liquidated damages for delay, as defined in Clause **22** of the Conditions of Contract until such reasonable time as may be required for the final supply of the Equipment.
- c) If the Contract is terminated, as provided in Clause **16 a)** above, NED University, in addition to any other rights provided in this Clause, may require the Supplier / Contractor to **transfer title** and deliver to the University under any of the following cases in the manner and as directed by the University:
 - i) Any **completed Equipment**; and

ii) Such **partially completed Equipment**, drawings, information and **contract right** (hereinafter called manufacturing material) as the Supplier / Contractor has specifically produced or acquired for the performance of such parts of the Contract as has been terminated.

d) The NED University will **pay to the Supplier / Contractor** the Contract Price for the completed Equipment delivered to and accepted by the NED University and also for the manufacturing materials delivered and accepted.

e) In the event the NED University does not terminate the Contract, as provided in Clause **16 a)** above, the Supplier / Contractor shall continue with the performance of his / her Contract, in which case the Supplier / Contractor shall be liable to the NED University for **Liquidated Damages for delay** as set out in Clause 22 until the Equipment are accepted.

17. Bankruptcy

If the **Supplier / Contractor** shall become **bankrupt** or have a receiving order made against him / her or compound with his / her creditors, or being a corporation commence to be wound up, not being a voluntary winding up for the purpose of amalgamation or reconstruction, or carry on its business under a receiver for the benefit of its creditors or any of them, **NED University shall be at liberty to:**

- a) **terminate the Contract** forthwith by a notice in writing to the Supplier / Contractor or to the liquidator or receiver or to any person in whom the Contract may become vested, and to act in the manner provided in Clause 16 above as though the last mentioned notice has been the notice referred in such Clause and the Equipment have been taken out of the Supplier / Contractor's hand; and / or
- b) give such liquidator, receiver, or other person the **option of carrying out the Contract** subject to his / her providing a guarantee for the due and faithful performance of the Contract upto an amount to be determined by the University.

18. Termination of Contract

- a) If, for any cause as set forth in Clause **19** hereafter, the Supplier / Contractor finds it impracticable to continue operation or, if owing to force majeure or to any cause beyond its control, the University finds it impossible to continue operation, then **prompt notification** in writing shall be given by the party affected to the other.
- b) If the delay or difficulties so caused cannot be expected to cease or become avoidable, or if operation cannot be resumed within six months, then either party shall have the right to terminate the Contract by giving ten **(10) days written notice** to the other.
- c) In the event of termination of the Contract under this Clause, **payment** will be made to the Supplier / Contractor as follows:
 - i) The Supplier / Contractor shall be paid for all the Equipment for which the completion certificate has been issued, as stated in Clause 12, and for all the reimbursable expenses due and unpaid.

- CC-25
- ii) The Supplier / Contractor shall also be paid reasonably for any work done during the said six months period as well as for settlement of any financial commitment made in connection with proper performance of the Contract and which are not reasonably defrayed by payments under i) above.
 - iii) On termination of the contract for any cause, the Supplier / Contractor shall see to the orderly suspension and termination of operations with due consideration to the interests of the University with respect to completion, safeguarding or storing of the Equipment produced for the performance of the Contract and the salvage and resale thereof

19. Force Majeure.

The Supplier / Contractor shall not be liable for any additional cost or for liquidated damages for delay or any failure to perform the Contract arising out of force majeure or cause beyond his / her control including acts of God, or of the public enemy, or of the Government, fires, floods, epidemic quarantine restrictions, strikes, freight embargoes and default of sub Supplier / Contractors due to any such cause (unless the NED University shall determine that the Equipment to be furnished by the Supplier / Contractor might reasonably have been obtained from other sources in sufficient time to allow the Supplier / Contractor to meet the required time schedule), provided that the Supplier / Contractor shall within ten (10) days from the beginning of such delay notify the NED University in writing of the **causes of the delay**. The NED University shall ascertain the facts and the extent of the delay and **extend the time** for completing the supplies as in its judgment the findings justify.

20. Rejection

- a) In the event any portion of the Equipment supplied by the Supplier / Contractor is found before taking over to be **defective in material or workmanship**, or otherwise not in conformity with the requirements of the Contract, the NED University shall have the right to either reject or require, in writing, rectification of the Equipment. In the later case, the Supplier / Contractor shall with utmost diligence, and at his own expense, make good the defects so specified or replace the defective Equipment. If the Supplier / Contractor fails to rectify or replace the rejected Equipment, NED University may adopt any of the following options:
 - i) **replace or rectify**, at its option, such defective Equipment and charge to the Supplier / Contractor the excess cost occasioned to the NED University plus (15%) fifteen percent; or
 - ii) acquire the said Equipment **at a reduced price** considered equitable under the circumstances; or
 - iii) **terminate the Contract** as provided in Clause **18** of these Conditions of Contract.
- b) Nothing in this Clause shall affect any claim by the University under Clause **22** hereafter.

If the completion of the Contract is delayed due to reason beyond the control of the Supplier / Contractor, the Supplier / Contractor shall without delay request NED University, in writing, of his **claim** for an extension of time. NED University on receipt of such request may agree to **extend the completion date** as may be reasonable in the circumstances of the case but without prejudice to other terms and conditions of the Contract.

22. Delay in Delivery - Liquidated Damages

- a) Should the **progress** of the Contract at any time be **lagging behind** the program agreed between the NED University and the Supplier / Contractor, NED University will notify the Supplier / Contractor in writing and the Supplier / Contractor shall there upon take such steps as he / she may deem fit to **expedite the progress** of the Contract. Non-issuance of this notice by the University shall not in any way absolve the Supplier / Contractor of the liquidated damages as stated in Clause 22 b) below.
- b) If the Supplier / Contractor **fails to complete the Contract**, in full or part, within the time laid down in the Contract Agreement or any extension thereof, there shall be deducted from the Contract Price, as **liquidated damages**, a sum of one half of one percent **(0.5%) of the Contract price** of each unit of the delayed Equipment for each calendar week of delay subject to the maximum of ten percent (10%) of the Contract Price of the unit or units so delayed, and such deduction shall be in full satisfaction of the Supplier / Contractor's liability for the said failure.

23. Period of Guarantee

- a) The term **period of guarantee** shall mean the period of twelve **(12) months** from the date on which the Equipment have been put into operation and demonstrated to NEDUET staff.
- b) During the period of guarantee, the Supplier / Contractor shall **remedy**, at his / her expense, **all defects** in design, materials, and workmanship that may develop or are revealed under normal use of the said Equipment upon receiving written notice from the University; the notice shall indicate in what respect the Equipment are faulty.
- c) The provisions of this Clause include all the **expenses** that the Supplier / Contractor may have to incur for delivery and installation of such replacement parts, material, and equipment as are needed for satisfactory operation of the Equipment at the University premises.

24. Non-assignment

The Supplier / Contractor shall **not have the right to assign or transfer** without the prior approval of the University the benefit and obligations of the Contract or any part thereof.

25. Expenditure under Contract

The Supplier / Contractor shall not make any expenditure for the purpose of this Contract in any **country not authorized** by the Government of Pakistan

26. **Certificate Not to Affect the Rights of NED University or the Supplier / Contractor** CC-27

No certificate of the NED University on account nor any sum paid on account by the University nor any extension of time for the delivery of the Equipment pursuant to Clause 19 shall affect or **prejudice the rights of the NED University** against the Supplier / Contractor nor relieve the Supplier / Contractor of his obligation for due performance of the Contract or be interpreted as approval of the Equipment supplied, and no certificate shall create liability of the NED University to pay for the alterations, amendments, variations etc. not ordered in writing by the NED University or discharge the Supplier / Contractor for the payment of damages or of any sum against the payment of which he / she is bound to indemnify NED University nor shall such certificate nor the acceptance by him / her of any sum paid affect or **prejudice the rights of the Supplier / Contractor** against the University.

27. **Payments Due from the Supplier / Contractor**

All costs, ascertained damages or expenses for which under the Contract the Supplier / Contractor is liable to NED University may be deducted by NED University from any money due or may become due to the Supplier / Contractor under the Contract or may be recovered by action of law or otherwise from the Supplier / Contractor.

28. **Legal Proceedings**

The Contract and the Tender Documents are governed by the **Laws of Pakistan** and no proceedings to or arising out of any of them shall be instituted in any courts other than those situated at Karachi, Sindh Pakistan.

29. **Dispute**

Should any question or dispute arise as to the material, design, construction or delay in the supply of the Equipment or the purpose or the performance for which they are required or are warranted, NED University shall nominate an independent **certifier / expert** having knowledge of network equipment etc., who will, after affording the parties to the dispute an opportunity to present their contention, and after having tests made as the certifier deems fit, certify whether there has been any breach of Contract or warranty and, if so, what sum shall be paid to NED University in diminution or extinction of price, and such certificates shall be final and binding and shall not be questioned and shall be acted upon in arbitral or other legal proceedings. The award of the costs of the certifier will be within his / her own discretion and shall be recoverable from the party against which the costs are awarded.

30. **Arbitration**

All disputes and matters of difference whatsoever (other than those relating to the certificate of expert certifier) between NED University and the Supplier / Contractor relating to and arising out of the Contract and Tender Documents shall be referred to arbitration under the arbitration act 1940 with amendments and re- amendments thereof, each party nominating its own arbitrator. The umpire will be nominated by the arbitrators within the first three arbitral hearings. The **award of the arbitrators or of the umpire shall be final and binding** upon the parties. The arbitral proceedings shall be held at Karachi, Sindh Pakistan.

FORM OF TENDER (LETTER OF OFFER)

Tender Reference No. _____

Dated _____

Name of Contract: **Import of Laboratory Equipment on C&F basis for Thermofluids Laboratory for Department of Mechanical Engineering.**

The Director Procurement
NED University of Engineering & Technology
Karachi, Sindh,
Pakistan.

Dear Sir,

1. Having examined the Tender Documents including Instructions to Bidders, Conditions of Contract, Specifications, Drawings, Schedule of Prices and Addenda Nos.
_____ for the execution of the above-named Contract, we, the undersigned, being a company doing business under the name and address _____ and being duly incorporated under the laws of Pakistan hereby offer to execute and complete such Contract and remedy any defects therein in conformity with the said Documents including Addenda thereto for the Total Tender Price of Rs. _____ (in figures and words) or such other sum as may be ascertained in accordance with the said Documents.
2. We understand that all the Schedules attached hereto form part of this Tender.
3. As security for due performance of the undertakings and obligations of this Tender, we submit herewith a Bid Security referred to in Clause 3 of the Instructions Bidders and as per Annexure "D", in the amount of Rs. _____ (in words and figures) drawn in favor of or made payable to Director Procurement, NED University of Engineering and Technology, Karachi and valid for a period of 28 days beyond the period of validity of this Tender.
4. We undertake, if our Tender is accepted, to complete the whole of the work comprised in the above-named Contract within the time stated in Clause 12 of the Instructions to Bidders.
5. We agree to abide by this Tender for the period of 90 days beyond the date of opening of the Tender, and it shall remain binding upon us and may be accepted at any time before the expiration of this period.
6. Unless and until a formal Contract Agreement is signed, this Tender, together with your acceptance thereof, shall constitute a binding contract between us.
7. We undertake, if our Tender is accepted, to execute the Contract Performance Bond referred to in Clause 3 of the Instructions to Bidders and as per Annexure "E" for the due performance of the Contract.

8. We understand that you are not bound to accept the lowest or any Tender you may receive.
9. We do hereby declare that this Tender is made without any collusion, comparison of figures or arrangement with any other person or persons making a Tender for the above- named Contract.
10. We confirm, if our Tender is accepted, that all partners of the joint venture shall be liable jointly and severely for the execution of the Contract and the composition or the constitution of the joint venture shall not be altered without the prior consent of the Project Director, NED University of Engineering and Technology, (Please delete this clause in case of Tender from a single firm).

Dated this _____ day of _____ 2025

Signature _____ in the capacity of _____ duly

authorized to sign Tender for and on behalf of _____
(Name of Tenderer in Block Capitals)

Address: _____

Witness:

Name: _____

Address: _____

Occupation: _____

TENDER PARTICULARS

THE BIDDERS MUST SUPPLY THE FOLLOWING SPECIFIC INFORMATION FOR EACH ITEM OR GROUP OF ITEMS OF THE EQUIPMENT:

1. Conformation of Equipment:

Whether the Equipment offered conform to the particulars specified in the Schedules; if not, details of deviations must be stated in Annexure “F”.

2. Manufacturing Details:

- (i) Brand of Equipment.
- (ii) Name and address of Manufacturer; and
- (i) Country of origin of Equipment.

3. Delivery Schedule:

- (i) Earliest date by which delivery can be affected;
- (ii) Complete schedule of delivery; and
- (iii) If the delivery period is different for different items, it must be indicated item wise.

4. Packing Specification:

Whether the specifications for packing given in the Tender Documents will be adhered to.

**FORM OF SCHEDULE TO TENDER FOR EQUIPMENT
MANUFACTURED/AVAILABLE IN PAKISTAN WITHOUT INVOLVING IMPORT**

Due by _____ hours on _____
(time) (date) (month) (year)

SCHEDULE TO TENDER NO. _____ DATED _____

The Tender will be opened at _____ hours on _____
(time) (date) (month) (year)

Delivery on or before _____
(date) (month) (year)

Rates and amount to be quoted as follows:

S. No.	Code / Item No.	Description Of Equipment	Detailed Specifications of Equipment with Model No.	Quantity Of Equipment	Unit	Rate Per Unit	Total Price.
1	2	3	4	5	6	7	8

It is certifying that:

- i) The Equipment offered above conform in all respects with the particulars/specifications given in the Tender Documents' and
- ii) All the terms and conditions of the Tender Documents are acceptable to us.

(signature of the authorized person)

SEAL

(name of the authorized person)

(name of the Tenderer)

**FORM OF SCHEDULE TO TENDER FOR EQUIPMENT IMPORTED FROM
APPROVED COUNTRIES.**

Due by _____ hours on _____
(time) (date) (month) (year)

SCHEDULE TO TENDER NO. _____ DATED _____

The Tender will be opened at _____ hours on _____
(time) (date) (month) (year)

Delivery on or before _____
(date) (month) (year)

PART 1. The rates quoted in the Table below must be on C&F basis.

S. No.	Code / Item No.	Description Of Equipment	Detailed Specifications Of Equipment with Model No.	Quantity Of Equipment.	Unit	Rate Per Unit	Currency	Total C&F Price	Country of Origin
1	2	3	4	5	6	7	8	9	10

PART 2. The rates quoted in the Table below must be in

S.No.	Code/ Item No.	Description of Equipment	Quantity Of Equipment	Unit	Rate Per Unit	Total Price.
1	2	3	5	6	7	8

(Continued on the next page)

NOTE:

In the Table below, the columns 1 to 5 and 8 are to be filled in by the Tenderer before submitting the Tender, while the columns 6,7 and 9 are to be filled in jointly by the NED University of Engineering and Technology, or his representative, and the Tenderer, or his representative, after opening of the Tender.

S. No.	Code/ Item No.	Description of Equipment	Total C&F Price for Part 1	Currency	Exchange Rate	Total Price for Part 1 (Rs.)	Total Price for Part II (Rs.)	Total Cost (Rs.)
1	2	3	4	5	6	7	8	9

It is certified that:

- i) The Equipment offered above conform in all respects with the particulars/specifications given in the Tender Documents; and
- ii) All the terms and conditions of the Tender Documents are acceptable to us.

(name of the Tenderer)

SEAL

(signature of the authorized person)

(name of the authorized person)

BID BOND

(Bank Guarantee)

Guarantee No _____

Executed on _____

Expiry date _____

Letter by the Guarantor (Bank) to the Employer (NED University)

Name of Guarantor (Bank) with address: _____

Name of Principal (Tenderer) with address: _____

Penal sum of Security (Bond),(in figures and words): _____

Tender Reference No. _____ Date of Tender _____

KNOW ALL MEN BY THESE PRESENTS, that in pursuance of the terms of the Tender and at the request of the said Principal (Tenderer), we the Guarantor above-named are held and firmly bound unto the Director Procurement, NED University of Engineering and Technology, Karachi, acting through the Procurement Manager, NED University of Engineering and Technology, {hereinafter called The "Employer" ("University")} in the sum stated above, for the payment of which sum well and truly to be made, we bind ourselves, our heirs, executors, administrators and successors, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH, that whereas the Principal (Tenderer) has submitted the accompanying Tender numbered and dated as above for supply, installation, putting into operation and demonstration of Equipment at the premises NED University of Engineering & Technology, Karachi, to the said Employer (University); and

WHEREAS, the Employer (University) has required as a condition for considering the said Tender that the Principal (Tenderer) furnish a Bid Bond in the above said sum to the Employer (University), conditioned as under:

- 1) that the Bid Bond shall remain valid for a period of 28 days beyond the period of validity of the Tender;
- 2) that in the event of;
 - a) the Principal (Tenderer) withdraws his Tender during the period of validity of the Tender;
 - b) the Principal (Tenderer) does not accept the correction of his Tender Price, pursuant to Clause 16 of "Instructions to Bidders"; or
 - c) failure of the successful Tenderer to:
 - i) furnish the required Contract Performance Bond, in accordance with Clause 3 of "Instructions to Bidders"; **or**

- ii) sign the proposed Contract Agreement, in accordance with Clause 4 of the “Conditions of Contract”;

then the entire sum be paid immediately to the said Employer (University) as liquidated damages and not as penalty for the successful Tenderer’s failure to perform.

NOW THEREFORE, if the successful tenderer shall, within the period specified therefore, on the prescribed form presented to him for signature enter into a formal Contract with the said Employer (University) in accordance with his Tender as accepted and furnish within twenty eight (28) days of his being required to do so, a Contract Performance Bond with good and sufficient surety, as may be required, upon the form prescribed by the said Employer (University) for the faithful performance and proper fulfillment of the said Contract or in the event of rejection of the said Tender by the Employer (University) within the time specified then this obligation shall be void and of no effect, but otherwise to remain in full force and effect.

PROVIDED THAT, the Guarantor shall forthwith pay to the Employer (University) the said sum stated above upon first written demand of the Employer (University) without cavil or argument and without requiring the Employer (University) to prove or to show grounds or reasons for such demand notice of which shall be sent by the Employer (University) by registered post duly addressed to the Guarantor at its address given above.

PROVIDED ALSO THAT, the Employer (University) shall be the sole and final judge for deciding whether the Principal (Tenderer) has duly performed his / her obligations to sign the Contract Agreement and to furnish the required Contract Performance Bond within the time stated above, or has defaulted in fulfilling the said requirements and the Guarantor shall pay without objection the sum stated above upon first written demand from the Employer (University) forthwith and without reference to the Principal (Tenderer) or any other person.

IN WITNESS WHEREOF, the above bounden Guarantor has executed the instrument under its seal on the date indicated above, the name and seal of the Guarantor being hereto affixed and these presents duly signed by its undersigned representative pursuant to the authority of its governing body.

Guarantor (Bank)

Witness:

1. _____
(Signature)

(Signature)

(Name, Title, Address and Seal)

(Name)

2. _____
(Signature)

(Title)

(Name, Title, Address and Seal)

(Corporate Guarantor Seal)

CONTRACT PERFORMANCE BOND
(Bank Guarantee)

Guarantee No. _____

Executed on _____

Expiry Date _____

Letter by the Guarantor (Bank) to the Employer (University)

Name of Guarantor (Bank) with Address: _____

Name of Principal (Supplier / Contractor) with address: _____

Penal Sum of Security (Bond), (in words and figures) _____

Letter of Acceptance No. _____ Dated _____

KNOW ALL MEN BY THESE PRESENTS, that in pursuance of the Tender Documents and above said Letter of Acceptance (hereinafter called the Documents) and at the request of the said Principal (Supplier / Contractor) we, the Guarantor above named, are held and firmly bound unto the Director Procurement, NED University of Engineering and Technology, acting through the Director Procurement, NED University of Engineering and Technology {hereinafter called the Employer (University)} in the penal sum of amount stated above for the payment of which sum well and truly to be made to the said Employer (University), we bind ourselves, our heirs, executors, administrators and successors, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH, that whereas the Principal (Supplier / Contractor) has accepted the Employer's (University's) above said Letter of Acceptance for the supply, installation, putting into operation and demonstration of Active & Passive Network Equipment at the premises of NED University of Engineering and Technology, Karachi.

NOW THEREFORE, if the Principal (Supplier / Contractor) shall well and truly perform and fulfill all the undertakings, covenants, terms and conditions of the said Documents during the original terms of the said Documents and any extensions thereof that may be granted by the Employer (University), with or without notice to the Guarantor, which notice is hereby waived and shall also well and truly perform and fulfill all the undertakings, covenants, terms and conditions of the Contract and of any and all modifications of the said Documents that may hereafter be made, notice of which modifications to the Guarantor being hereby waived, then, this obligation to be void; otherwise to remain in full force and virtue till the expiry of the guaranty period as per Clause 23 of the Conditions of Contract.

Our total liability under this Guarantee is limited to the sum stated above and it is a condition of any liability attaching to us under this Guarantee that the claim for payment in writing shall be received by us within the validity period of this Guarantee, failing which we shall be discharged of our liability, if any, under this Guarantee.

We, _____ (the Guarantor), waiving all objections and defenses under the Contract, do hereby irrevocably and independently guarantee to pay to the Employer (University) without delay upon the Employer's (University's) first written demand without cavil or arguments and without requiring the Employer (University) to prove or to show grounds or reasons for such demand any sum or sums up to the amount stated above, against the Employer's (University's) written declaration that the Principal (Supplier / Contractor) has refused or failed to perform the obligations under the Contract which payment will be effected by the Guarantor to the Employer's (University's) designated Bank and Account Number.

PROVIDED ALSO THAT the Employer (University) shall be the sole and final judge for deciding whether the Principal (Supplier / Contractor) has duly performed his obligations under the Contract or has defaulted in fulfilling the said obligations, and the Guarantor shall pay without objection any sum or sums up to the amount stated above upon first written demand from the Employer (University) forthwith and without any reference to the Principal (Supplier / Contractor) or any other person.

IN WITNESS WHEREOF, the above bounden Guarantor has executed this Instrument under its seal on the date indicated above, the name and corporate seal of the Guarantor being hereto affixed and these presents duly signed by its undersigned representative, pursuant to authority of its governing body

Witness:

1. _____
(Signature)

Name, Title and Address (Seal)

2. _____
(Signature)

Name, Title and Address (Seal)

Guarantor (Bank)

(Signature)

(Name)

(Title)

Corporate Guarantor (Seal)

Statement Describing Deviation from Specifications.

S.No .	Code No.	Description of Equipment	Statement of Variation from Specifications	Reasons for Variations .
1	2	3	4	5

(signature of the authorized person)

(name of the authorized person)

SEAL

On behalf of

(name and address of the Tenderer)

AFFIDAVIT

I. _____ S/O _____ Muslim, adult Holding CNIC
No. _____ Resident of _____.

_____, do hereby declare on oath and solemnly as under: -

1. That I am the deponent of this affidavit and fully conversant with the facts mentioned herein.
2. That I am the Owner/Partner/Director of _____ situated at _____, Karachi.
3. That I hereby further declare on oath that my firm never remains black listed with any government authorities/office or in private sector or with any entity.
4. That my firm is not involve in any dispute, litigation or Arbitration with any person, with any department of Federal/ Provincial or City Government, Agencies, or Organization, in any court of Law. Further, I and my firm are never indulged in any corrupt, fraudulent and collusive practices
5. That our firm is Technically & Financially strong & capable to do the tendered work.

That whatever stated above is true and correct of the best of my knowledge and belief.

Karachi – Dated _____

DEPONENT

SECTION IV. SCHEDULE OF REQUIREMENTS

MECHANICAL ENGINEERING DEPARTMENT NED UNIVERSITY OF ENGINEERING AND TECHNOLOGY

SPECIFICATIONS AND BILL OF QUANTITIES [B.O.Q]

TENDER NO.: PC (M-5) / NED / Equip / ThermofluidsLab/8516/2025

S #	Item Code	Items	Description / Specification the of Items	Qty	Price in equivalent to PKR				Equivalent in PKR	Add: Local Expenses in PKR	Total Bid cost in PKR
					FC						
					Unit	Price	Freight cost	Total Cost [C&F]			
1.	TFL-1	Heat Flux Measuring Equipment	• The device should have capabilities to determine heat flux in a heat pipe/rod using water as working fluid. The components should include specimen, condenser, heater of suitable capacity, thermocouples, power measurement, digital temperature indicator, heat regulation by electronic voltage regulator. • Temperature range up to 120°C, Heat Flux 0-100 kW/m². Rated operating temperature range - continuous use - 70 to +120 °C, Rated operating temperature range - short intervals- 160 to +150°C, • All manuals must be provided including Installation, Instructions, Operation & Maintenance and others. • Supplied complete with all necessary accessories • On-site delivery, commissioning, and installation (electric wiring from DB, connectors, breaker, and other necessary accessories) included • Training should be provided by supplier It is required that equipment meets or exceeds the above mentioned specifications.	1							
2.	TFL -2	Emissivity Measurement Equipment	• The equipment should enable the Study of the variation of emissivity of test plate with absolute temperature. • Plate size 0-200 mm or better, Temp. Indicator: 0-300°C. • Test plate should comprise of a heater sandwiched between two plates, a Black plate identical with test plate. • Temperature sensors for measuring the temperature of each plate and surrounding. Electric supply for heaters, digital voltmeter and digital ammeter, device measurement uncertainty less than 2%. • All manuals must be provided including Installation, Instructions, Operation & Maintenance and others • Supplied complete with all necessary accessories • On-site delivery, commissioning, and installation(electric wiring from DB, connectors, breaker, and other necessary accessories) included • Training should be provided by supplier It is required that equipment meets or exceeds the above mentioned specifications.	1							

S #	Item Code	Items	Description / Specification the of Items	Qty	Price in equivalent to PKR				Equivalent in PKR	Add: Local Expenses in PKR	Total Bid cost in PKR
					FC			Total Cost [C&F]			
					Unit	Price	Freight cost				
3.	TFL -3	Free and Forces Convection Apparatus	- Free and forced convection study and calculation of convective heat transfer at different geometries such as flat plate, cylinder, tube bundle, flow sensors, temperature sensors at multiple locations, wat meter display - Investigation of the relationship between flow formation and heat transfer during experiments, description of transient heating process - Air flow duct dimensions 100 x 100 mm, height 0.5 – 1 m, Measuring ranges, air velocity: 0-10m/s, temperature: 300°C , Heating power: 0-50 W - Educational software, data acquisition, system operation - All manuals must be provided including Installation, Instructions, Operation & Maintenance and others - Supplied complete with all necessary accessories - On-site delivery, commissioning, and installation(electric wiring from DB, connectors, breaker, and other necessary accessories) included - Training should be provided by supplier It is required that equipment meets or exceeds the above mentioned specifications.	1							
4.	TFL -4	Computerized Steady State & Unsteady Heat Transfer	- Steady and transient heat conduction with calculation of heat transfer / thermal properties of different metals with different shapes, The power of the heating element is controlled and measured from the control display. - Multiple temperature measurement points in every sample - Samples of different material such as brass, steel and aluminum - Temperature range 0-100 C or better, Power output 500-1000 W, Flow rate 0.1-2.5 l/min - The apparatus must be provided including Installation, Instructions, Operation & Maintenance and others - Supplied complete with all necessary accessories (Like Computer and other necessary things) - On-site delivery, commissioning, and installation(electric wiring from DB, connectors, breaker, and other necessary accessories) included - Training should be provided by supplier It is required that equipment meets or exceeds the above mentioned specifications	1							

S #	Item Code	Items	Description / Specification the of Items	Qty	Price in equivalent to PKR				Equivalent in PKR	Add: Local Expenses in PKR	Total Bid cost in PKR
					FC			Total Cost [C&F]			
					Unit	Price	Freight cost				
5.	TFL -5	Computerized Composite Wall Apparatus	• The apparatus should determine the thermal conductivity / thermal resistance of the sample. • Heat transfer with different samples connected in series to study effect of sample length/thickness and materials (copper, stainless steel, brass, aluminum) on heat transfer • Continuously adjustable heater, heating and cooling capacity 0-50 W, plate thicknesses 8-25 mm, temperature range 0-150 °C or better. • Related Software data acquisition, system operation • All manuals must be provided including Installation, Instructions, Operation & Maintenance and others • Supplied complete with all necessary accessories (Like Computer and other necessary things) • On-site delivery, commissioning, and installation (electric wiring from DB, connectors, breaker, and other necessary accessories) included • Training should be provided by supplier It is required that equipment meets or exceeds the above mentioned specifications	1							
6.	TFL -6	Computerized Stefan Boltzmann Apparatus	• Determine radiation properties for radiation heat transfer experiments. • Experiments can be conducted at ambient pressure, positive gauge or below atmospheric pressure (vacuum) • Heating element 20 W with radiation surface area 50 cm2 or better, digital temperature controller and display 0-200°C. • All manuals must be provided including Installation, Instructions, Operation & Maintenance and others • Supplied complete with all necessary accessories (Like Computer and other necessary things) • On-site delivery, commissioning, and installation (electric wiring from DB, connectors, breaker, and other necessary accessories) included • Training should be provided by supplier It is required that equipment meets or exceeds the above mentioned specifications.	1							

S #	Item Code	Items	Description / Specification the of Items	Qty	Price in equivalent to PKR				Equivalent in PKR	Add: Local Expenses in PKR	Total Bid cost in PKR
					FC			Total Cost [C&F]			
					Unit	Price	Freight cost				
7.	TFL -7	Computerized Thermal Conductivity of Liquid	• Study heat conduction in fluids and determine thermal conductivities for different fluids at different temperatures, contains sensors for temperature, flow rate • Interpret transient states during heating and cooling • Electric heating rate 0-300 W, temperature range 20-100 C, flow rate range 0.2 -5 l/min. • Analysis software, data acquisition, system operation • All manuals must be provided including Installation, Instructions, Operation & Maintenance and others • Supplied complete with all necessary accessories (Like Computer and other necessary things) • On-site delivery, commissioning, and installation (electric wiring from DB, connectors, breaker, and other necessary accessories) included • Training should be provided by supplier It is required that equipment meets or exceeds the above mentioned specifications.	1							
8.	TFL -8	Computer Controlled Heat Transfer series, formed by: Control Interface for Heat Transfer Series	• To study and compare different types of heat transfer modes. • Visualization of all process variables in an automatic and simultaneous way, Switch and regulator for the heating element power, Temperature range and resolution 0...999.9°C, 0.1°C, Heater capacity 100 W. • Advanced Real-Time SCADA and PID Control. • Open Control + Multicontrol + Real-Time Control. • Control Software based on LabVIEW (or equivalent) • All manuals must be provided including Installation, Instructions, Operation & Maintenance and others • Supplied complete with all necessary accessories (Like Computer and other necessary things) • On-site delivery, commissioning, and installation (electric wiring from DB, connectors, breaker, and other necessary accessories) included • Training should be provided by supplier It is required that equipment meets or exceeds the above mentioned specifications.	1							

S #	Item Code	Items	Description / Specification the of Items	Qty	Price in equivalent to PKR				Equivalent in PKR	Add: Local Expenses in PKR	Total Bid cost in PKR
					FC			Total Cost [C&F]			
					Unit	Price	Freight cost				
9.	TFL -9	Linear Heat Conduction Module	- Module to study the principles of linear heat conduction and to allow the conductivity of various solid conductors and insulators to be measured. - Interchangeable central sections of different materials of size/diameter 10-25 mm. multiple temperature sensors to measure temperature in heating, central and cooling sections and find temperature distribution. - Electric heater, computer controlled refrigeration section with a surface cooled by water. - All manuals must be provided including Installation, Instructions, Operation & Maintenance and others - Supplied complete with all necessary accessories - On-site delivery, commissioning, and installation (electric wiring from DB, connectors, breaker, and other necessary accessories) included - Training should be provided by supplier It is required that equipment meets or exceeds the above mentioned specifications.	1							
10.	TFL -10	Radial Heat Conduction Module	- Study of heat conduction in radial direction and measurement of thermal conductivity of material like brass and other metallic disks. - Disc of diameter of about 100 mm and 2-5 mm thickness - Multiple temperature measurement sensors/probes and power measurement - Electric heater, Electronic console to regulate the power of heating element, cooling tube and water flow regulation valve - All manuals must be provided including Installation, Instructions, Operation & Maintenance and others - Supplied complete with all necessary accessories - On-site delivery, commissioning, and installation (electric wiring from DB, connectors, breaker, and other necessary accessories) included - Training should be provided by supplier It is required that equipment meets or exceeds the above mentioned specifications.	1							

S #	Item Code	Items	Description / Specification the of Items	Qty	Price in equivalent to PKR				Equivalent in PKR	Add: Local Expenses in PKR	Total Bid cost in PKR
					FC			Total Cost [C&F]			
					Unit	Price	Freight cost				
11.	TFL -11	Computer Controlled Flow of Compressible Fluids Unit	• Compressible flow machine, flow rate 100 m3/h approx., power rating 2 kW or better. • Inlet filter, narrow flow sections, and multiple pressure intakes, Thermocouples, Venturi tube, Orifice, Nozzle, flow valves and other fittings such as bends/elbows, T-joints. • Velocity measurements, multiple sensors to measure pressure at differents points, range: 0-1 bar, power and speed measurements, safety devices, • Control Software, Data Acquisition board, Control Interface Box: Simultaneous visualization in the computer of parameters involved in the process. Calibration of all sensors involved in the process. Real time curves representation about system responses. • Supplied complete with all necessary accessories (Like Computer and other necessary things) • All manuals must be provided including Installation, Instructions, Operation & Maintenance and others, Machine Drawings and PIDs. • On-site delivery, commissioning, and installation (electric wiring from DB, connectors, breaker, and other necessary accessories) included • Training should be provided by supplier It is required that equipment meets or exceeds the above mentioned specifications.	1							

S #	Item Code	Items	Description / Specification the of Items	Qty	Price in equivalent to PKR				Equivalent in PKR	Add: Local Expenses in PKR	Total Bid cost in PKR
					FC			Total Cost [C&F]			
					Unit	Price	Freight cost				
12.	TFL -12	Computer Controlled Axial Flow Turbomachines Unit	• The turbomachine could be used as a turbine and as a pump. • Computer controlled asynchronous motor Power: 1-2 kW or better. • Dynamic pump: Maximum flow: flow rate approx.150 m³/h, head 10 m or better. • Compensation tank with air mattress, capacity: 150 L approx. or better. • Sets of impellers/rotors and stators/distribution vane systems. • Manometers and differential pressure sensors, Flow sensor, range: 0 – 100 m³/h or better. Speed sensor to measure the number of revolutions, range: 0 – 3000 min-1 • Force sensor to measure the torque • Advanced Real Time, Control Software, Data Acquisition board • Calibration system for the sensors involved in the process. • All manuals must be provided including Installation, Instructions, Operation & Maintenance and others, Machine Drawings and PIDs. • Training should be provided by supplier • Supplied complete with all necessary accessories (Like Computer and other necessary things) • On-site delivery, commissioning, and installation (electric wiring from DB, connectors, breaker, and other necessary accessories) included. It is required that equipment meets or exceeds the above mentioned specifications.	1							
13.	TFL -13	Wind tunnel	• Wind tunnel containing converging section (nozzle), working section and diverging section, working section of about 200-400 mm driven by vacuum pump/axial flow fan • Instrumentation unit to control speed of the axial fan and air velocity, Pitot tube pressure gauges, protractor and model holder, aerodynamic models (such as Airfoil, Aircraft), measurement of drag, lift and moment • Computer Control, Data Acquisition and Data Management Software • All manuals must be provided including Installation, Instructions, Operation & Maintenance and others, Machine Drawings and PIDs. • Training should be provided by supplier. Supplied complete with all necessary accessories (Like Computer and other necessary things). On-site delivery, commissioning, and installation (electric wiring from DB, connectors, breaker, and other necessary accessories) included It is required that equipment meets or exceeds the above mentioned specifications.	1							

S #	Item Code	Items	Description / Specification the of Items	Qty	Price in equivalent to PKR				Equivalent in PKR	Add: Local Expenses in PKR	Total Bid cost in PKR
					FC			Total Cost [C&F]			
					Unit	Price	Freight cost				
14.	TFL -14	Water-cooled single-cylinder engine, with variable compression	- Water cooled engine with variable compression ratio, four stroke - Spark ignition/Compression ignition. Fuel: Petrol/Diesel oil, naturally aspirated. - Power rating 5-10 kW, Cylinder bore: 80-100 mm. Stroke: 100-150 mm. - All manuals must be provided including Installation, Instructions, Operation & Maintenance and others, Machine Drawings and PIDs. - Training should be provided by supplier - Supplied complete with all necessary accessories (Like Computer and other necessary things) - On-site delivery, commissioning, and installation (electric wiring from DB, connectors, breaker, and other necessary accessories) included It is required that equipment meets or exceeds the above mentioned Specifications.	1							
15.	TFL -15	Air cooled two-cylinders petrol engine	- Two-cylinder petrol engine with, spark ignition, four stroke, naturally aspirated, compression ratio: 8:1 – 12:1, power rating 10-20 kW. - All manuals must be provided including Installation, Instructions, Operation & Maintenance and others, Machine Drawings and PIDs. - Training should be provided by supplier - Supplied complete with all necessary accessories (Like Computer and other necessary things) - On-site delivery, commissioning, and installation (electric wiring from DB, connectors, breaker, and other necessary accessories) included. It is required that equipment meets or exceeds the above mentioned specifications.	1							
16.	TFL -16	Air cooled two-cylinders diesel engine	- Compression ignition, Fuel: Diesel, four strokes, naturally aspirated. Electric starting, compression ratio approx. 15:1-22:1, Power Output 10-20 kW. - All manuals must be provided including Installation, Instructions, Operation & Maintenance and others, Machine Drawings and PIDs. - Training should be provided by supplier - Supplied complete with all necessary accessories (Like Computer and other necessary things) - On-site delivery, commissioning, and installation (electric wiring from DB, connectors, breaker, and other necessary accessories) included It is required that equipment meets or exceeds the above mentioned specifications.	1							

S #	Item Code	Items	Description / Specification the of Items	Qty	Price in equivalent to PKR				Equivalent in PKR	Add: Local Expenses in PKR	Total Bid cost in PKR
					FC			Total Cost [C&F]			
					Unit	Price	Freight cost				
17.	TFL -17	Pyranometers with data-logger	- Measure solar radiation for the full solar spectrum range, ISO Classification: Class A , Spectral Range: 285 to 2800 nm, Sensitivity: 7 to 14 μV/W/m2, Response Time: < 5 s (95% of final value) - All manuals must be provided including Installation, Instructions, Operation & Maintenance and others - Training should be provided by supplier - Supplied complete with all necessary accessories - On-site delivery, commissioning, and installation (electric wiring from DB, connectors, breaker, and other necessary accessories) included It is required that equipment meets or exceeds the above mentioned specifications	2							
18.	TFL -18	Pyrheliometer	- Measurement of direct solar radiation, tilt angle, complies with the spectrally flat Class A specifications of the ISO 9060:2018 standard - Calibration uncertainty < 2 %, Response time < 5 s, spectral range 200-4000 nm, temperature range up to 80°C or better. - All manuals must be provided including Installation, Instructions, Operation & Maintenance and others - Training should be provided by supplier. - Supplied complete with all necessary accessories - On-site delivery, commissioning, and installation (electric wiring from DB, connectors, breaker, and other necessary accessories) included It is required that equipment meets or exceeds the above-mentioned specifications.	1							
19.	TFL -19	Solar Power Meter	- Power measurement up to 2kW/m2., Sampling time: about 0.25 sec Accuracy: +/- 10 Watt/m2. - All manuals must be provided including Installation, Instructions, Operation & Maintenance and others - Installation of meter and training should be provided by supplier It is required that equipment meets or exceeds the above mentioned specifications.	1							

S #	Item Code	Items	Description / Specification the of Items	Qty	Price in equivalent to PKR				Equivalent in PKR	Add: Local Expenses in PKR	Total Bid cost in PKR
					FC			Total Cost [C&F]			
					Unit	Price	Freight cost				
20.	TFL -20	Hot wire anemometer	- Measuring Range: 0.1 to 30.0 m/s, response time 1 second, accuracy +/- 3 % or better. - All manuals must be provided including Installation, Instructions, Operation & Maintenance and others - Installation of meter and training should be provided by supplier It is required that equipment meets or exceeds the above mentioned Specifications.	2							
21.	TFL -21	Remote unit for irradiation temperature on PV plants	- Temperature sensor for measuring the module and ambient temperature, Digital compass to determine the direction - Temperature up to 125°C, Radiation 100 – 1250 W/m2, - All manuals must be provided including Installation, Instructions, Operation & Maintenance and others - Installation of device and training should be provided by supplier It is required that equipment meets or exceeds the above mentioned Specifications.	1							
22.	TFL -22	Stirling engine solar	- The engine should consist of power pistons located in separate cylinders (one for the cold source and another for the hot one), connected to a tube where the regenerator is located. - Two temperature sensors, one in the hot cylinder and the other in the cold cylinder. - Two pressure meters (manometers), one in the hot cylinder and the other in the cold cylinder, range: from -1 to 0.6 bars or better. - Speed sensor (rpm), range: from 0 to 3000 rpm, Dynamometer to measure the force, range, Current and voltage sensors - All manuals must be provided including Installation, Instructions, Operation & Maintenance and others, Machine Drawings and PIDs. - Installation (electric wiring from DB, connectors, breaker, and other necessary accessories) of machine and training should be provided by supplier. It is required that equipment meets or exceeds the above mentioned specifications.	1							

S #	Item Code	Items	Description / Specification the of Items	Qty	Price in equivalent to PKR				Equivalent in PKR	Add: Local Expenses in PKR	Total Bid cost in PKR
					FC						
					Unit	Price	Freight cost	Total Cost [C&F]			
23.	TFL -23	Solar Mirror Glass with frame for Solar Thermal Collection Dish	• Solar thermal collector with highly reflective mirror, absorber tube with selective coating, solar circuit with pump and variable flow • Hot water storage tank • Temperature: 0-100°C, adjustable flow rate: 0 – 20 l/h (through pump) or better. • All manuals must be provided including Installation, Instructions, Operation & Maintenance and others • Training should be provided by supplier • Supplied complete with all necessary accessories (Like Computer and other necessary things) • On-site delivery, commissioning, and installation (electric wiring from DB, connectors, breaker, and other necessary accessories) included It is required that equipment meets or exceeds the above mentioned specifications.	1							
Total Bid Cost equivalent in PKR [X]											

Note: Brand name (if any) mentioned in the bid documents should be read with the words “or equivalent” after the brand name.

(X). For the purpose of comparison of bids quoted in different currencies, price shall be converted into PKR. The rate of exchange shall be the selling rate prevailing seven working days before the date of opening of the bid specified in the bidding documents, as notified by the State Bank of Pakistan.

Signature & Stamp of Bidder

Contract Form

THIS AGREEMENT made the _____ day of _____ 2025 between NED University of Engineering & Technology, Karachi. (Hereinafter called "the Procuring agency") of the one part and [name of Bidder] of [city and country of Bidder] (hereinafter called "the Bidder") of the other part:

WHEREAS the Procuring agency invited bids for certain goods and ancillary services, viz., Import of Equipment on C&F basis for Design & Vibration Laboratory for Department of Mechanical Engineering, NEDUET, Karachi. has accepted a bid by the Bidder for the supply of those goods and services in the sum of [contract price in words and figures] (hereinafter called "the Contract Price").

NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:

1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract referred to.
2. The following documents shall be deemed to form and be read and construed as part of this Agreement, viz.:
 - (a) The Bid Form and the Price Schedule submitted by the Bidder;
 - (b) The Procuring agency's Notification of Award.
 - (c) The General Conditions of Contract
 - (d) The Special Conditions of Contract
 - (e) The Schedule of Requirements and
 - (f) The Technical Specifications.
3. In consideration of the payments to be made by the Procuring agency to the Supplier as hereinafter mentioned, the Supplier hereby covenants with the Procuring agency to provide the goods and services and to remedy defects therein in conformity in all respects with the provisions of the Contract
4. The Procuring agency hereby covenants to pay the Supplier in consideration of the provision of the goods and services and the remedying of defects therein, the Contract Price or such other sum as may become payable under the provisions of the contract at the times and in the manner prescribed by the contract.

IN WITNESS whereof the parties hereto have caused this Agreement to be executed in accordance with their respective laws the day and year first above written

Signature of the Supplier
(Seal)

Signature of the Employer (for Procuring Agency)
(Seal)

Signed, Sealed and delivered in the presence of:

Witness:

Witness:

(Name, Title and Address)

(Name, Title and Address)

Integrity Pact

DECLARATION OF FEES, COMMISSION AND BROKERAGE ETC. PAYABLE BY THE SUPPLIERS/CONTRACTORS/CONSULTANTS.

Contract Number: _____

Dated: _____

Contract Value: _____

Contract Title: _____

[Name of Supplier/Contractor/Consultant] hereby declares that it has not obtained or induced the procurement of any contract, right, interest, privilege or other obligation or benefit from Government of Sindh (GoS) or any administrative subdivision or agency thereof or any other entity owned or controlled by it (GoS) through any corrupt business practice.

Without limiting the generality of the foregoing, _____
[Name of Supplier/Contractor/Consultant] represents and warrants that it has fully declared the brokerage, commission, fees etc. paid or payable to anyone and not given or agreed to give and shall not give or agree to give to anyone within or outside Pakistan either directly or indirectly through any natural or juridical person, including its affiliate, agent, associate, broker, consultant, director, promoter, shareholder, sponsor or subsidiary, any commission, gratification, bribe, finder's fee or kickback, whether described as consultation fee or otherwise, with the object of obtaining or inducing the procurement of a contract, right, interest, privilege or other obligation or benefit, in whatsoever form, from Procuring Agency (PA), except that which has been expressly declared pursuant hereto.

[Name of Supplier/Contractor/Consultant] certifies that it has made and will make full disclosure of all agreements and arrangements with all persons in respect of or related to the transaction with PA and has not taken any action or will not take any action to circumvent the above declaration, representation or warranty.

[Name of Supplier/Contractor/Consultant] accepts full responsibility and strict liability for making any false declaration, not making full disclosure, misrepresenting facts or taking any action likely to defeat the purpose of this declaration, representation and warranty. It agrees that any contract, right, interest, privilege or other obligation or benefit obtained or procured as aforesaid shall, without prejudice to any other right and remedies available to PA under any law, contract or other instrument, be voidable at the option of PA.

Notwithstanding any rights and remedies exercised by PA in this regard, _____
[Name of Supplier/Contractor/Consultant] agrees to indemnify PA for any loss or damage incurred by it on account of its corrupt business practices and further pay compensation to PA in an amount equivalent to ten times the sum of any commission, gratification, bribe, finder's fee or kickback given by _____
[Name of Supplier/Contractor/Consultant] as aforesaid for the purpose of obtaining or inducing the procurement of any contract, right, interest, privilege or other obligation or benefit, in whatsoever form, from PA.

[Procuring Agency]

[Supplier /Contractor/Consultant]



NED UNIVERSITY OF ENGINEERING & TECHNOLOGY

DP/ NED/

484

Date: 14/10/2025



NOTIFICATION

With reference to this University Office Order No. DR(Estab)/(1193)Vol-II/6331, the Procurement Committee under Rule 7 of the Sindh Public Procurement Rules (as amended) comprising of the following Members has been constituted for Procurement of Goods / Works / Services as follows:

- | | |
|--|------------------|
| 1. Syed Ghazanfar Hussain
Registrar
NEDUET, Karachi | Convener |
| 2. Mr. Muhammad Mabroor Khan
Administrative Officer
Center for Excellence in Marine Biology
University of Karachi | Member |
| 3. Mr. Fawad Ul Hasan Kamran
Deputy Director Procurement
NEDUET, Karachi | Member/Secretary |

The TOR / functions / responsibilities of the aforesaid Procurement Committee will be in accordance with Rule-8 of SPP Rules. The tender will be opened at the office of Dy. Director Procurement.

FOR

Director Procurement

Email:

- i. registrar@neduet.edu.pk
- ii. mabroork@hotmail.com
- iii. adfp2@neduet.edu.pk

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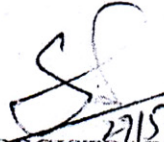
No. DR (Estab)/(1003)/5730

Dated: 27/05/2016

OFFICE ORDER

In supersession of this office order No. DR (Estab)/(1003)/11418 dated 02-11-2015, the University Administration has constituted the Complaint Redressal Standing Committee comprising of the following officers to address complaints regarding all procurement issues in the University in pursuance of Clause 31(1) of the SPPRA rules:

- | | | |
|----|---|----------|
| 1. | Prof. Dr. Saad Ahmed Qazi
Dean (ECE) | Convener |
| 2. | Independent Professional from the relevant field | Member |
| 3. | Nominee of Accountant General Sindh | Member |


Ag. REGISTRAR 27/5/2016

To:

The Convener & all members

Copy for information to:

- 1 Dean (ECE)
- 2 Director Planning & Projects
- 3 Director Finance
- 4 Director, Procurement Cell
- 5 Ag. Resident Auditor



DAWN



NED UNIVERSITY
OF ENGINEERING & TECHNOLOGY
Director
Procurement
PROCUREMENT CELL
University Road, Karachi-75270



Tel: 99261261-68, (Ext. 2471 & 2220) Fax # 99261255.
Email: dp@neduet.edu.pk Website: <http://www.neduet.edu.pk>
Ref: No. PC/ NED/M-5-/188571/8516/470 Date: 10.10.2025

SAY NO TO CORRUPTION

NOTICE INVITING TENDER (EPADS)

NEDUET invites Sealed Bids on (C&F) based on "Single Stage One Envelope" procedure for Import of Laboratory Equipment from the Manufacturers / Authorized Dealers / Distributors / Suppliers for procurement of follows:

Laboratory Equipment for Thermofluids Laboratory for Mechanical Engineering.

Tender No. PC(M-5)/NED/ Equip/ThermofluidsLab/8516/25			
Issuance of Documents from	Last Date of Issuance of Tender Documents	Tenders Submission Deadline	Tenders Opening Date / Time
16.10.2025	03.11.2025	04.11.2025 10:00 AM	04.11.2025 10:30 AM
Tender Fee		5,000/-	

ELIGIBILITY CRITERIA:

- (i) The bidder must have at least 3 years of experience in the relevant field.
- (ii) Details of turn-over (Including in terms of Rupees) of at least last three years that average turnover of last three years should not be less than Rs 150 million, per year as per online annual returns submitted to FBR.
- (iii) Registration with FBR / SRB (whichever is applicable).
- (iv) Affidavit on (non-judicial stamp paper) of no litigation history, non-blacklisting, never indulge in any corrupt, fraudulent and collusive practices, also undertaking that the information and documents provided with are correct. The date of issuance of said stamp paper and bidder signature on it should be later than the date of publication of this NIT.

Tender Fee and Bid Security @ 2% of bid cost in shape of Payorder should be in favor of Director Finance, NED University. Bidding documents can be obtained and shall be submitted through EPADS as per above schedule. Bidders are requested to give their Best and Final Price as "No Negotiations" is permitted. Bidding Documents containing detailed terms and conditions are available at Websites <https://www.neduet.edu.pk> and <https://www.portalsindh.eprocure.gov.pk>.

Director Procurement

