NED University of Engineering & Technology
University Road, Karachi-75270, Pakistan
Tel #: 92-21-99261261-8, Ext- 2220 Fax #: 92-21-99261255
E-mail: ddp@neduet.edu.pk Website: https://www.neduet.edu.pk

Director Procurement

"SAY NO TO CORRUPTION"

No:DP/NED(M-5)/8516/1046/25
Dated: 20/01/2026

To,

Messrs. Paktech Instruments Company
185, Street-15, Block-3, Sharfabad,
Karachi-74800, Pakistan.
Tel: 021-34949215
Email: paktech1@cyber.net.pk

Subject: **Letter of Intent /Import of Laboratory Equipment on C&F basis for Thermofluids Laboratory for Department of Mechanical Engineering at NED University Karachi.**

Reference: Our Tender No. PC (M-5)/NED/Equip/ThermofluidsLab/8516/2025

We are pleased to inform you that the Competent Authority has approved the following items for Import of Laboratory Equipment under the referenced contract:

B.O.Q item #	Description of items	Qty.	Unit Price USD	Total Price USD
TFL - 01	Heat Flux Measurement Model: TICF-15 Specifications Test Specimen • Standard: solid copper rod, Ø25 mm × 150 mm (machined, TC wells) • Options: aluminum/copper rod • Cartridge heater, 150–300 W (region-specific voltage) with SCR/variac control • Hot-zone insulation. • Standard: aluminum water block OR TEC module with copper spreader and hot-side heatsink/water block. Sensors & Instrumentation • Temperature: 5× Temperature sensors, accuracy ±1 °C (typ.) • Electrical: voltmeter and ammeter for power measurement. • Temperature range (specimen surface): ambient to 120 °C (continuous) • Heat flux capability: 0–100 kW/m² (with Ø25 mm rod) • Operating ratings (hardware): continuous −5 to +120 °C. Utilities • Power: 220–240 VAC, 50 Hz (other options available) • Cooling water: 1–2 L/min recommended (closed-loop chiller) • Powder-coated steel/aluminum frame; acrylic guards; quick-change specimen clamps • Dimensions (bench-top): ~650 W × 350 D × 450 H mm (varies with options)	01	$ 4,200.00	$ 4,200.00

	Specifications subject to change to improve quality and safety. Software Features The integrated software suite combines advanced capabilities with ease of use to enhance experimental workflow: • Real-time data capture and display for instant observation and analysis of sensor outputs. • Graphing tools for dynamic plotting of multiple data sets, featuring customizable axes for detailed visual interpretation. • User-friendly graphical interface (GUI) designed for intuitive navigation and efficient operation. • Data logging and export functions enabling reliable storage of results with export options in CSV and Excel formats. • Optional IoT integration, offering cloud-based connectivity for remote monitoring, visualization, and extended data analysis. • Customizable data presentations (optional), allowing tailored reports that suit specific research and instructional needs. Standard Supplied Accessories • Copper rod Ø25×150 mm • Cartridge heater (installed) with insulation shroud • Cooling Block • 5× temperature sensors, voltage and current sensors, wiring harness • Bench-top frame with guards, emergency stop, fused mains • DAQ interface and PC software (USB) • Printed user manual • The apparatus must be provided including Installation, Instructions, Operation & Maintenance and others • On-site delivery, commissioning, and installation (electric wiring from DB, connectors, breaker, and other necessary accessories) included.			
TFL-13	**Wind tunnel:-** **SUBSONIC wind tunnel** **Model: AIX.90.M2** Working Section The wind tunnel features a square cross-section measuring 300 mm × 300 mm, providing ample space for diverse aerodynamic studies. • Transparent side panel, hinged and removable for easy access and clear flow visualization • Robust metal support frame ensuring stability and precision alignment • Integrated model holders for secure and accurate placement of test models • Embedded Pitot tube for velocity measurement and airflow characterization • Axial Flow Fan to facilitate air velocity in working section for sub-sonic range Instrumentation The system is equipped with comprehensive instrumentation designed for precise data capture and analysis: • Computer-controlled data acquisition system with user-	1	$ 23,500.00	$ 23,500.00

	friendly, intuitive software for real-time monitoring and recording • Inclined multi-tube manometer panel for accurate static and dynamic pressure measurements • Model positioning system for fine adjustment and repeatable model alignment • NACA profile for airfoil testing and lift/drag studies • Cylinder resistance model for fundamental aerodynamic experiments • Drag sphere model complete with force measurement assembly Data Acquisition System The wind tunnel is equipped with a computer-controlled data acquisition system designed for precise, real-time data capture, monitoring, and visualization. • Real-time data acquisition ensures accurate and immediate measurement of key parameters during experiments. • Supports both automated and manual recording modes for flexible operation tailored to user preferences. • Provides digital and analog real-time displays for comprehensive, on-the-spot data interpretation. • Includes powerful data export and analysis tools for seamless post-experiment processing and reporting. Software Features The integrated software suite combines advanced capabilities with ease of use to enhance experimental workflow: • Real-time data capture and display for instant observation and analysis of sensor outputs. • Graphing tools for dynamic plotting of multiple data sets, featuring customizable axes for detailed visual interpretation. • User-friendly graphical interface (GUI) designed for intuitive navigation and efficient operation. • Data logging and export functions enabling reliable storage of results with export options in CSV and Excel formats. • Optional IoT integration, offering cloud-based connectivity for remote monitoring, visualization, and extended data analysis. (not included) • Customizable data presentations (optional), allowing tailored reports that suit specific research and instructional needs. Standard Supplied Accessories The wind tunnel comes complete with a comprehensive set of models and instrumentation, enabling a wide range of aerodynamic experiments right out of the box: • Sphere drag model for fundamental studies of drag coefficient, flow separation, and wake formation. • Hemisphere drag model for analysis of asymmetric flow patterns, separation behavior, and pressure distribution around hemispherical bodies. • Circular plate drag model used for flat plate drag analysis, aiding in understanding boundary layer development and form drag. • Square plate drag model designed for experiments involving bluff body aerodynamics and angular flow separation characteristics. • Cylinder drag model essential for studies of vortex shedding, wake dynamics, and base pressure effects in cylindrical geometries.			

	• Streamlined body model represents an aerodynamic shape with reduced form drag, enabling comparison with bluff body models. • Dimpled sphere drag model supplied to demonstrate the impact of surface texturing on drag and flow separation, similar to golf ball aerodynamics. • Pitot tube integrated for accurate measurement of static and dynamic pressures, supporting velocity and flow calculations. • Inclined manometric tube panel a multi-tube manometer panel for detailed static and dynamic pressure measurements at multiple points in the flow field. • NACA Profile 2 different profiles with pressure tapings • 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.			
TFL-20	**Hot wire Anemometer:-** **Testo 405i - Bluetooth Thermal Anemometer Smart Probe** Temperature - NTC Measuring range -20 to +60 °C Accuracy ±0.5 °C Resolution 0.1 °C Velocity - Hot wire Measuring range 0 to 30 m/s Accuracy ±(0.1 m/s + 5 % of mv) (0 to 2 m/s) ±(0.3 m/s + 5 % of mv) (2 to 15 m/s) Resolution 0.01 m/s General technical data Weight 119.6 g Dimensions 200 x 30 x 41 mm Operating temperature -20 to +50 °C Product-/housing material Plastic System requirements requires iOS 13.0 or newer; requires Android 8.0 or newer; requires mobile end device with Bluetooth 4.2 Product colour black/orange Battery life 15 h Battery type	2	$ 350.00	$ 700.00

	3 AAA micro batteries Diameter probe shaft 12 mm Diameter probe shaft tip 9 mm Length probe shaft 400 mm Storage temperature -20 to 60 °C • The apparatus must be provided including Installation, Instructions, Operation & Maintenance and others.			
	Total C&F USD Value			**$ 28,400.00**

It is requested to submit the Proforma Invoice of your Principal, **Ikad International, Australia.** for total C&F value by Sea Karachi valid for 120 days of the equipment selected within 10 days after issuance of this letter. However, local charges e.g., insurance, clearing, forwarding and transportation etc. shall be paid in PKR on production of original bills specified in the bidding data sheet vide clause (N) at Page 15 of the bidding documents.

Supplier is strictly advised that manufacturing / delivery process should be initiated only after opening of LC and after permission from PC (Mega-5).

It is further requested to submit Contract Performance Bond of 5% of total cost of Laboratory Equipment and sign the contract agreement within 14 days of receipt of this letter of intent.

With regards,

Deputy Director Procurement

c.c. to : (i) Project Coordinator (Mega-5) (ii) DF (iii) RA

(iv) CMO

22-01-26

NED University of Engineering & Technology
University Road, Karachi-75270, Pakistan
Tel #: 92-21-99261261-8, Ext- 2220 Fax #: 92-21-99261255
E-mail: ddp@neduet.edu.pk Website: https://www.neduet.edu.pk

Director Procurement

"SAY NO TO CORRUPTION"

No:DP/NED(M-5)/8516/1046/25
Date: 20/01/2026

To,

Messrs. Paktech Instruments Company
185, Street-15, Block-3, Sharfabad,
Karachi-74800, Pakistan.
Tel: 021-34949215
Email: paktech1@cyber.net.pk

Subject: **Letter of Intent /Import of Laboratory Equipment on C&F basis for Thermofluids Laboratory for Department of Mechanical Engineering at NED University Karachi.**

Reference: Our Tender No. PC (M-5)/NED/Equip/ThermofluidsLab/8516/2025

We are pleased to inform you that the Competent Authority has approved the following items for Import of Laboratory Equipment under the referenced contract:

B.O.Q item #	Description of items	Qty.	Unit Price USD	Total Price USD
TFL-7	**Computerized Thermal Conductivity of Liquid: Thermal Conductivity of Liquid and Gas Unit for TSTCC Model: TXC/LG.** This unit has been designed to enable students to easily determine the thermal conductivity of liquids and gases. By the realization of the practices the student can determine the thermal conductivity of any suitable gas or compatible liquid with materials on construction. Anodized aluminum frame and panels made of painted steel. Diagram in the front panel with distribution of the elements similar to the real one. Aluminum body (cylinder) with brass jacket that contains the test fluid and the refrigeration water. Variable heating element (in the cylinder), computer controlled. Heating element power controlled from computer. The power is measured by a sensor. Six temperature sensors, "T" type (high precision). Flow sensor to measure the cooling water flow, range: 0.25 – 6.5 l/min. Water flow regulation valve. Valves. Syringe. Power measurement from the computer. • The apparatus must be provided including Installation, Instructions, Operation & Maintenance and others	01	€ 3,485.00	€ 3,485.00

	• 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.			
TFL-08	**Computer Controlled Heat Transfer series:** **SeriesTSTCC. Computer Controlled Heat Transfer Series:** (Base Unit required for working with TXC/... modules) Model: TSTCC/CIB. Control Interface for TSTCC (Common for all available modules type "TXC") This control interface is common for the required elements (at least one) Control interface box with process diagram in the front panel and with the same distribution that the different elements located in the unit, for an easy understanding by the student. All sensors, with their respective signals, are properly manipulated from -10V. to +10V. computer output. Sensors connectors in the interface have different pines numbers (from 2 to 16), to avoid connection errors. Single cable between the control interface box and computer. The unit control elements are permanently computer controlled, without necessity of changes or connections during the whole process test procedure. Simultaneous visualization in the computer of all parameters involved in the process. Calibration of all sensors involved in the process. Real time curves representation about system responses. Storage of all the process data and results in a file. Graphic representation, in real time, of all the process/system responses. All the actuators' values can be changed at any time from the keyboard allowing the analysis about curves and responses of the whole process. All the actuators and sensors values and their responses are displayed on only one screen in the computer. Shield and filtered signals to avoid external interferences. Real time PID control with flexibility of modifications from the computer keyboard of the PID parameters, at any moment during the process. Real time PID and on/off control for pumps, compressors, heating elements, control valves, etc. Real time PID control for parameters involved in the process simultaneously. Proportional control, integral control and derivative control, based on the real PID mathematical formula, by changing the values, at any time, of the three control constants (proportional, integral and derivative constants).	1	C 9,984.00	C 9,984.00

	Open control allowing modifications, at any moment and in real time, of parameters involved in the process simultaneously. Possibility of automatization of the actuators involved in the process. The complete unit includes: Advanced Real-Time SCADA and PID Control. Open Control + Multicontrol + Real-Time Control. Specialized EDIBON Control Software based on LabVIEW. National Instruments Data Acquisition board (250 KS/s, kilo samples per second). • 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.			
TFL-09	**Linear Heat Conduction Module:** **Linear Heat Conduction Unit for TSTCC** **Model: TXC/CL.** Bench-top unit to study the principles of linear heat conduction and to allow the conductivity of various solid conductors and insulators to be measured. It is given with interchangeable samples of different materials, different diameters and different insulating materials that allow to demonstrate the area effects, the conductivity and the combinations in series in the heat transfer process. Anodized aluminum frame and panels made of painted steel. Diagram in the front panel with distribution of the elements similar to the real one. Input heat section. Electric heater, computer controlled. Refrigeration section with a surface cooled by water. Interchangeable central sections: With brass of 25 mm of diameter. With brass of 10 mm of diameter. With stainless steel of 25 mm of diameter. Flow sensor to measure the cooling water flow, range: 0.25 - 6.5 l/min. Water flow regulation valve. Thermal paste is supplied to demonstrate the difference between poor and good thermal contact between the sections. Nineteen temperature sensors, "I" type (high precision): Seventeen temperature sensors distributed in the heating section (4 sensors), refrigeration section (4 sensors) and central sections (3 sensors in each central section).	1	€ 5,350.00	€ 5,350.00

	Temperature sensor at the water inlet of the unit. Temperature sensor at the water outlet of the unit. Power measurement from the computer. TSTCC/CIB. Control Interface for TSTCC for its working quoted in item # 8 TFL-8 • The apparatus 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.			
TFL-10	**Radial Heat Conduction Unit for TSTCC** **Model: TXC/CR** Bench-top unit to study the principles of radial heat conduction, and to allow the conductivity of solid brass disk to be measured. Anodized aluminum frame and panels made of painted steel. Diagram in the front panel with distribution of the elements similar to the real one. Brass disk of 110 mm of diameter and 3 mm of thickness. Electric heater, computer controlled. Peripherical cooling tube. Flow sensor to measure the cooling water flow, range: 0.25 – 6.5 l/min. Water flow regulation valve. Eight temperature sensors, "T" type (high precision): Six temperature sensors distributed in the unit. Temperature sensor at the water inlet of the unit. Temperature sensor at the water outlet of the unit. Power measurement from the computer. TSTCC/CIB. Control Interface for TSTCC for its working quoted in item # 8 TFL-8 • The apparatus 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.	1	€ 3,903.00	€ 3,903.00
	Total C&F EURO Value			**€ 22,722.00**

It is requested to submit the Proforma Invoice of your Principal, **Edibon International, S.A.** for total C&F value by Sea Karachi valid for 120 days of the equipment selected within 10 days after issuance of this letter. However, local charges e.g., insurance, clearing, forwarding and transportation etc. shall be

paid in PKR on production of original bills specified in the bidding data sheet vide clause (N) at Page 15 of the bidding documents.

Supplier is strictly advised that manufacturing / delivery process should be initiated only after opening of LC and after permission from PC (Mega-5).

It is further requested to submit Contract Performance Bond of 5% of total cost of Laboratory Equipment and sign the contract agreement within 14 days of receipt of this letter of intent.

With regards,

Deputy Director Procurement

c.c. to : (i) Project Coordinator (Mega-5) (ii) DF (iii) RA

(iv) CMO

22-01-26

NED University of Engineering & Technology
University Road, Karachi-75270, Pakistan
Tel #: 92-21-99261261-8, Ext- 2220 Fax #: 92-21-99261255
E-mail: ddp@neduet.edu.pk Website: https://www.neduet.edu.pk

Director Procurement

"SAY NO TO CORRUPTION"

No:DP/NED(M-5)/8516/962/25
Dated: 29-12-2025

To,

Messrs. Nano Technologies,
Office No. 716, 7th Floor, Uni-Plaza, I.I. Chundrigar Road, Karachi, Pakistan.
Cell: +92-3342898310 & +92-3212170187
E-mail: shahbaz@nanotechnologies.com.pk, nanotechnologies06@gmail.com

Subject: **Letter of Intent /Import of Laboratory Equipment on C&F basis for Thermofluids Laboratory for Department of Mechanical Engineering at NED University Karachi.**

Reference: Our Tender No. PC (M-5)/NED/Equip/ThermofluidsLab/8516/2025

We are pleased to inform you that the Competent Authority has approved the following items for Import of Laboratory Equipment under the referenced contract:

B.O.Q item #	Description of items	Qty.	Unit Price USD	Total Price USD
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 • Supplied complete with all necessary accessories • On-site delivery, commissioning, and installation (electric wiring from DB, connectors, breaker, and other necessary accessories) included • Training will be provided by Nano Technologies.	01	$ 6,000.00	$ 6,000.00
TFL-21	**Remote unit for irradiation temperature on PV plants.** **Irradiance range 100 w/m² – 1500 w/m²** Remote unit for irradiation temperature on PV plants: Solar Survey 200R Made in USA/UK/China Temperature range -30°C to 125°C	1	$ 950.00	$ 950.00
	Total C&F Value			**$ 6950.00**

It is requested to submit the Proforma Invoice of your Principal, **Focus Sell building Materials Trading LLC UAE** for total C&F value by Sea Karachi valid for 120 days of the equipment selected within 10 days after issuance of this letter. However, local charges e.g., insurance, clearing, forwarding and transportation etc., shall be paid in PKR on production of original bills specified in the bidding data sheet vide clause (N) at Page 15 of the bidding documents.

Received
M. Awais
26-01-2026

Supplier is strictly advised that manufacturing / delivery process should be initiated only after opening of LC and after permission from PC (Mega-5).

It is further requested to submit Contract Performance Bond of 5% of total cost of Laboratory Equipment and sign the contract agreement within 14 days of receipt of this letter of intent.

With regards,

Deputy Director Procurement

c.c. to : (i) Project Coordinator (Mega-5) (ii) DF (iii) RA

iv) CMD

NED University of Engineering & Technology
University Road, Karachi-75270, Pakistan
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Director Procurement

"SAY NO TO CORRUPTION"

No:DP/NED(M-5)/8516/ 960 /25
Dated: 29-12-2025

To,

Messrs. Nano Technologies,
Office No. 716, 7th Floor, Uni-Plaza, I.I. Chundrigar Road, Karachi, Pakistan.
Cell: +92-3342898310 & +92-3212170187
E-mail: shahbaz@nanotechnologies.com.pk, nanotechnologies06@gmail.com

Subject: Letter of Intent /Import of Laboratory Equipment on C&F basis for Thermofluids Laboratory for Department of Mechanical Engineering at NED University Karachi.

Reference: Our Tender No. PC (M-5)/NED/Equip/ThermofluidsLab/8516/2025

We are pleased to inform you that the Competent Authority has approved the following items for Import of Laboratory Equipment under the referenced contract:

B.O.Q item #	Description of items	Qty.	Unit Price USD	Total Price USD
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, systemoperation • All manuals are included, 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 will be provided by Nano Technologies.	01	$ 7,946.00	$ 7,946.00
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.	01	$ 10,690.00	$ 10,690.00

	• 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 will be provided by Nano Technologies.			
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 m^3/h, head 10m • Compensation tank with air mattress, capacity: 150 L approx. • Sets of impellers/rotors and stators/distribution vane systems. • Manometers and differential pressure sensors, Flow sensor. range: 0 – 100 m^3/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 • 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 will be provided by Nano Technologies.	1	$ 19,639.00	$ 19,639.00
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) • All manuals must be provided including Installation, Instructions, Operation & Maintenance and others	1	$ 19,939.00	$ 19,939.00

	• 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 will be provided by Nano Technologies.			
	Total C&F Value			**$58,214.00**

It is requested to submit the Proforma Invoice of your Principal, **Jinan Should Shine Didactic Equipment Co., Ltd. China** for total C&F value by Sea Karachi valid for 120 days of the equipment selected within 10 days after issuance of this letter. However, local charges e.g., insurance, clearing, forwarding and transportation etc. shall be paid in PKR on production of original bills specified in the bidding data sheet vide clause (N) at Page 15 of the bidding documents.

Supplier is strictly advised that manufacturing / delivery process should be initiated only after opening of L.C and after permission from PC (Mega-5).

It is further requested to submit Contract Performance Bond of 5% of total cost of Laboratory Equipment and sign the contract agreement within 14 days of receipt of this letter of intent.

With regards.

Deputy Director Procurement

c.c. to : (i) Project Coordinator (Mega-5) (ii) DF (iii) RA
(iv) CMD

Received
M. Awais
26-01-2026

NED University of Engineering & Technology
University Road, Karachi-75270, Pakistan
Tel #: 92-21-99261261-8, Ext- 2220 Fax #: 92-21-99261255
E-mail: ddp@neduet.edu.pk Website: https://www.neduet.edu.pk

Director Procurement

"SAY NO TO CORRUPTION"

No:DP/NED(M-5)/8516/ 1047 /25
Dated: 20/01/26

To,

M/s. Nordtec International
Suit No. C-15 & C-7,
Dr. Plaza, P.E.C.H.S., Block-6,
Shahrah-e-Faisal, Karachi-75100,
Tel. 021-34520321
email: info@nordtec.pk

Subject: Letter of Intent /Import of Laboratory Equipment on C&F basis for Thermofluids Laboratory for Department of Mechanical Engineering at NED University Karachi.

Reference: Our Tender No. PC (M-5)/NED/Equip/ThermofluidsLab/8516/2025

We are pleased to inform you that the Competent Authority has approved the following items for Import of Laboratory Equipment under the referenced contract:

B.O.Q item #	Description of items	Qty.	Unit Price USD	Total Price USD
TFL-02	**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 sensorsfor 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.	01	$ 9,398.91	$ 9,398.91.00
TFL-04	**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	01	€ 8,970.39	€ 8,970.39

	• 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.			
TFL-06	**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.	01	€ 13,600.00	€ 13,600.00
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.	01	$ 10,823.20	$ 10,823.20
TFL-17	**Pyranometers with datalogger** • 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)	02	$ 2,879.00	$ 2,879.00

	• 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.			
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.	01	$ 668.23	$ 668.23
	Total C&F USD Value			**$ 23,769.34**
	Total C&F EURO Value			**€ 22,570.39**

It is requested to submit the Proforma Invoice of your Principal, **AELAB GUANGZHOU CO. LTD** for total C&F value by Sea Karachi valid for 120 days of the equipment selected within 10 days after issuance of this letter. However, local charges e.g., insurance, clearing, forwarding and transportation etc. shall be paid in PKR on production of original bills specified in the bidding data sheet vide clause (N) at Page 15 of the bidding documents.

Supplier is strictly advised that manufacturing / delivery process should be initiated only after opening of LC and after permission from PC (Mega-5).

It is further requested to submit Contract Performance Bond of 5% of total cost of Laboratory Equipment and sign the contract agreement within 14 days of receipt of this letter of intent.

With regards,

Deputy Director Procurement

c.c. to : (i) Project Coordinator (Mega-5) (ii) DF (iii) RA

CMD

23/11/2023

SINDH PUBLIC PROCUREMENT REGULATORY AUTHORITY

CONTRACT EVALUATION FORM

TO BE FILLED IN BY ALL PROCURING AGENCIES FOR PUBLIC CONTRACTS OF WORKS, SERVICES & GOODS

1) NAME OF THE ORGANIZATION / DEPTT. — NED UNIVERSITY
2) PROVINCIAL / LOCAL GOVT./ OTHER — PROVINCIAL
3) TITLE OF CONTRACT — Letter of Intent /Import of Laboratory Equipment on C&F basis
4) TENDER NUMBER — PC (M-5)/NED/Equip/ThermofluidsLab/8516/2025
5) BRIEF DESCRIPTION OF CONTRACT — Thermofluids Laboratory for Department of Mechanical Engg.
6) FORUM THAT APPROVED THE SCHEME — Syndicate
7) TENDER ESTIMATED VALUE — 56.333 Million
8) ENGINEER'S ESTIMATE (For civil works only) —
9) ESTIMATED COMPLETION PERIOD (AS PER CONTRACT) — 120 Days
10) TENDER OPENED ON (DATE & TIME) — 04-11-2025 AT 10:30 AM
11) NUMBER OF TENDER DOCUMENTS SOLD (Attach list of buyers) — Through E-PADS
12) NUMBER OF BIDS RECEIVED — 04
13) NUMBER OF BIDDERS PRESENT AT THE TIME OF OPENING OF BIDS — 04
14) BID EVALUATION REPORT (Enclose a copy) — PROVIDED
15) NAME AND ADDRESS OF THE SUCCESSFUL BIDDER — M/s. Nano Tech, M/s. Paktech, M/s. Nordtec
16) CONTRACT AWARD PRICE — Rs 24.487 million, Rs 16.645 million, Rs 15.201 million
17) RANKING OF SUCCESSFUL BIDDER IN EVALUATION REPORT (i.e. 1st, 2nd, 3rd EVALUATION BID). — Most Advantageous Bidder

18) METHOD OF PROCUREMENT USED : - (Tick one)

a)	SINGLE STAGE – ONE ENVELOPE PROCEDURE	YES	Domestic/ Local
b)	SINGLE STAGE – TWO ENVELOPE PROCEDURE		
c)	TWO STAGE BIDDING PROCEDURE		
d)	TWO STAGE – TWO ENVELOPE BIDDING PROCEDURE		

PLEASE SPECIFY IF ANY OTHER METHOD OF PROCUREMENT WAS ADOPTED i.e. EMERGENCY, DIRECT CONTRACTING ETC. WITH BRIEF REASONS:

VICE CHANCELLOR (VC)

19) APPROVING AUTHORITY FOR AWARD OF CONTRACT

20) WHETHER THE PROCUREMENT WAS INCLUDED IN ANNUAL PROCUREMENT PLAN?

Yes	✓	No	

21) ADVERTISEMENT :

i) SPPRA Website
(If yes, give date and SPPRA Identification No.)

Yes	E-PADS ID # S-251095113 DATED 15-10-2025
No	

ii) News Papers
(If yes, give names of newspapers and dates)

Yes	Daily Dawn, Jang & Awami Awaz, Dated: 11-10-2025
No	

22) NATURE OF CONTRACT

Domestic/ Local	✓	Int.	

23) WHETHER QUALIFICATION CRITERIA WAS INCLUDED IN BIDDING / TENDER DOCUMENTS?
(If yes, enclose a copy)

Yes	✓	No	

24) WHETHER BID EVALUATION CRITERIA WAS INCLUDED IN BIDDING / TENDER DOCUMENTS?
(If yes, enclose a copy)

Yes	✓	No	

25) WHETHER APPROVAL OF COMPETENT AUTHORITY WAS OBTAINED FOR USING A METHOD OTHER THAN OPEN COMPETITIVE BIDDING?

Yes		No	✓

26) WAS BID SECURITY OBTAINED FROM ALL THE BIDDERS?

Yes	✓	No	

27) WHETHER THE SUCCESSFUL BID WAS LOWEST EVALUATED BID / BEST EVALUATED BID (in case of Consultancies)

Yes	✓	No	

28) WHETHER THE SUCCESSFUL BIDDER WAS TECHNICALLY COMPLIANT?

Yes	✓	No	

29) WHETHER NAMES OF THE BIDDERS AND THEIR QUOTED PRICES WERE READ OUT AT THE TIME OF OPENING OF BIDS?

Yes	✓	No	

30) WHETHER EVALUATION REPORT GIVEN TO BIDDERS BEFORE THE AWARD OF CONTRACT?
(Attach copy of the bid evaluation report)

Yes	✓	No	

31) ANY COMPLAINTS RECEIVED
(If yes, result thereof)

Yes	
No	NO

32) ANY DEVIATION FROM SPECIFICATIONS GIVEN IN THE TENDER NOTICE / DOCUMENTS
(If yes, give details)

Yes	
No	NO

33) WAS THE EXTENSION MADE IN RESPONSE TIME?
(If yes, give reasons)

Yes	
No	NO

34) DEVIATION FROM QUALIFICATION CRITERIA
(If yes, give detailed reasons.)

Yes	
No	NO

35) WAS IT ASSURED BY THE PROCURING AGENCY THAT THE SELECTED FIRM IS NOT BLACK LISTED?

Yes	✓	No	

36) WAS A VISIT MADE BY ANY OFFICER/OFFICIAL OF THE PROCURING AGENCY TO THE SUPPLIER'S PREMISES IN CONNECTION WITH THE PROCUREMENT? IF SO, DETAILS TO BE ASCERTAINED REGARDING FINANCING OF VISIT, IF ABROAD:
(If yes, enclose a copy)

Yes		No	✓

37) WERE PROPER SAFEGUARDS PROVIDED ON MOBILIZATION ADVANCE PAYMENT IN THE CONTRACT (BANK GUARANTEE ETC.)?

Yes		No	✓

38) SPECIAL CONDITIONS, IF ANY
(If yes, give Brief Description)

Yes	
No	NO

Signature & Official Stamp of
Authorized Officer

Dy. Director Procurement
Procurement Cell
NED University of Engg. & Technology, Karachi

FOR OFFICE USE ONLY

Integrity Pact

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

Contract Number: PC (M-5)/NED/Equip/ThermofluidsLab/8516/2025 Dated: 21/01/26

Contract Value: $ 23,769.34 + € 22,570.39 (PKR 15,200,859)

Contract Title: Letter of Intent /Import of Laboratory Equipment on C&F basis for Thermofluids Laboratory for Department of Mechanical Engineering at NED University Karachi.

M/s. Nordtec International
[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, M/s. Nordtec International [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.

M/s. Nordtec International
[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.

M/s. Nordtec International
[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.

M/s. Nordtec International
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 time the sum of any commission, gratification, bribe, finder's fee or kickback given by M/s. Nordtec International [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]

Integrity Pact

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

Contract Number: PC(M-5)/NED/Equip/ThermofluidsLab/8516/2025 Dated: 30-12-2025

Contract Value: $ 65,164 (PKR 24,487,150)

Contract Title: Import of Laboratory Equipment on C&F basis for Thermofluids Laboratory for Department of Mechanical Engineering at NED University Karachi.

M/s. Nano Technologies [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, M/s. Nano Technologies [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.

M/s. Nano Technologies [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.

M/s. Nano Technologies [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.

M/s. Nano Technologies [Name of Supplier/Contractor/Consultant] Notwithstanding any rights and remedies exercised by PA in this regard, 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 time the sum of any commission, gratification, bribe, finder's fee or kickback given by M/s. Nano Technologies [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]

Integrity Pact

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

Contract Number: PC(M-5)/NED/Equip/ThermofluidsLab/8516/2025 Dated: 20/01/2026

Contract Value: $ 28,400 & € 22,722 (PKR 16,645,131)

Contract Title: Import of Laboratory Equipment on C&F basis for Thermofluids Laboratory for Department of Mechanical Engineering at NED University Karachi.

M/s. Paktech Instruments Company [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, M/s. Paktech Instruments Company [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.

M/s. Paktech Instruments Company [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.

M/s. Paktech Instruments Company [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.

M/s. Paktech Instruments Company [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 time the sum of any commission, gratification, bribe, finder's fee or kickback given by M/s. Paktech Instruments Company [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]

22-01-26

[Supplier /Contractor/Consultant]