



CALL FOR TENDER

**for the purchase, collection, shipment and installation of equipment
in the framework of the project
IBTIKAR, n. 618491-EPP-1-2020-1-IT-EPPKA2-CBHE-JP**

1. General information about the Contracting party

Name: UNIMED – Mediterranean Universities Union

Legal Address: Corso Vittorio Emanuele II, n. 244, 00186 – Rome, Italy

Contact person: Mr. Marcello Scalisi, Director

Ordinary e-mail address: unimed@uni-med.net

Certified e-mail address: uni-med@pec.it

Official website: <https://www.uni-med.net/>

Tel: (+39) 06.68581430

2. Object of the tender

This document represents an invitation to tender for the purchase of scientific industrial and chemical instruments, as well as informatic items to carry out scientific research within the university laboratories and research centres, as part of the IBTIKAR project, co-funded by the ERASMUS+ Programme of the European Union. The Call for tender is in no way binding for the involved parties. The contractual obligation commences only upon signature of the contract between the partner in charge of the tendering procedure stated in Paragraph 7 and the successful tenderer.

During the first stages of the project implementation, Partners have worked to define an updated state of the art of needs and gaps in Libyan universities and their research centres. Based on this preliminary analysis each Libyan Partner worked on defining research priorities and the equipment items appropriate to carry on activities on the basis of the institutional capacity to conduct research and its priorities. Partners worked to make sure equipment items match with the specialisation strategy of each university, and that the selection of items to equip the research centres was appropriate and coherent.





This tender is divided into 5 (five) lots (containing physical equipment and related services for its collection and shipment). For detailed specifications see *Annex I – Equipment Specifications*.

Tenderers are allowed to apply for single lots. Lots are detailed in *Annex I - Equipment Specifications*.

3. Disclaimer

This project is funded with the support of the European Commission. This document reflects the views only of the author, and the Commission cannot be held responsible for any use which may be made of the information contained therein.

4. About IBTIKAR

IBTIKAR, promoting research and innovation environment in the Libyan higher Education System, aims to enhance the research capabilities of Libyan Higher Education Institutions and their capacity to produce and manage high-quality research, by increasing the competencies and skills of their academic and administrative staff. IBTIKAR is a national project involving 11 Libyan Higher Education Institutions willing to develop skills and capacity in research and innovation, and network with peer researchers internationally.

One of the project purposes is to furnish the Libyan laboratories with specific equipment allowing them to carry out scientific research activities. For more information www.ibtikarproject.eu.

5. IBTIKAR Partners

IBTIKAR is a multi-actor partnership which includes institutions from different countries:

- UNIMED - Mediterranean Universities Union, Italy (co-ordinator);
- BU, Boğaziçi University, Turkey;
- UNISAL, Università del Salento, Italy;
- UTAD, University of Trás-os-Montes and Alto Douro, Portugal;
- UoT, University of Tripoli, Libya;
- UoB, University of Benghazi, Libya;
- MU, Misurata University, Libya;
- SeU, Sebha University, Libya;
- SU, Sirte University, Libya;
- ZU, University of Zawia, Libya;
- EMU, Elmergib University, Libya;





- AIU, Al Asmariya Islamic University, Libya;
- BWU, Bani Waleed University, Libya;
- UoA, The University of Ajdabiya, Libya;
- LIMU, Libyan International Medical University (affiliated entity).

6. Equipment beneficiaries

The equipment beneficiaries are:

1. UoT, University of Tripoli, Libya;
2. UoB, University of Benghazi, Libya;
3. MU, Misurata University, Libya;
4. SeU, Sebha University, Libya;
5. SU, Sirte University, Libya;
6. ZU, University of Zawia, Libya;
7. EMU, Elmergib University, Libya;
8. AIU, Al Asmariya Islamic University, Libya;
9. BWU, Bani Waleed University, Libya;
10. UoA, The University of Ajdabiya, Libya.

7. Partner in charge of the purchase procedure

As agreed among the Consortium, UNIMED – Mediterranean Universities Union is in charge of the purchase procedure and the launch of the tendering process on behalf of all the beneficiaries. Therefore, the contract with the selected supplier will be signed with UNIMED and the Terms and Conditions are those of UNIMED.

8. Currency of the tender and payments

Applicants shall submit their offer with prices in EUR. Payments will also be made in EUR.

9. Language of the tender documents

All the documents related to the submitted offer shall be in English.

10. Submission of the tenders: means and deadline

Offers must be submitted to UNIMED, no later than **30 November 2023** exclusively to **uni-med@pec.it**.

Applications sent after the deadline will not be considered.

Applicants are allowed to integrate / modify their offer within the deadline.



11. Documents to be submitted by the Tenderer

Tenderers must provide the following documents:

- a) Profile of the company;
- b) Main contact's name, phone number, email and address;
- c) Detailed financial offer, with quantities, unit prices and total price [excluding VAT].
- d) Technical specifications of the equipment in accordance with *Annex I – Equipment Specifications*;
- e) Certificate of Origin.

Given that the equipment is meant to be shipped in Libya, providers are responsible for the compliance with the import requirements and documentation of the Libyan government/authorities. A specific self-declaration of the provider has to be provided in that sense.

- f) Self-declaration (*Annex II*)

Additional documents such as instructions, operating manuals, warranty certificates, are required with the delivery of equipment. Please ensure that all documents are sent in *.pdf* format and the financial offer is duly signed.

Please indicate in the offer, as well as in the object and/or content of the e-mail, the below reference: "*IBTIKAR Project, n. 618491-EPP-1-2020-1-IT-EPPKA2-CBHE-JP - Tender Equipment*".

12. Equipment delivery time and locations

The provider will be in charge of the delivery of the equipment or in Libya to one of the university partners preliminarily indicated by the coordinator, or in Italy to an address indicated by UNIMED.

The delivery and instalment period may not exceed 45 days from the date of the purchase order with the selected provider in case it will be delivered directly to Libya or 30 days for delivery in Italy.

Provider(s) must guarantee assistance and support services to the universities for the installation of the equipment items.

13. Value of the contract

The budget for the overall goods and services under this Tender is 56.000,00 EUR. VAT exemption is applicable. For Italian providers, the VAT exemption is applicable in accordance with the Article 72 of the Italian Law D.P.R. 633/72. Providers based in other countries must



refer to their national regulation on operations in the framework of projects co-funded by the European Union and indicate the applicable law.

14. Evaluation and award of the tender

Evaluation principles:

The evaluation process is based on the following principles:

- Equal treatment;
- Non-discrimination;
- Confidentiality;
- Transparency;
- No conflict of interests.

Evaluation criteria:

- compliance with this Tender and related *Annex I - Equipment specifications*;
- clarity of the offer;
- technical and professional capacity to perform the contract.
- capacity to provide more than one lot.

Award criteria:

The award method will be the "best value for money" meaning that the winning tender is the one offering the best quality/price ratio also in relationship with the delivery modalities.

During the selection process, priority will be given to the provider(s):

- delivering the equipment directly in Libya;
- submitting an offer related to all the lots or to a major number of them.

Exclusion criteria:

Tenderers are excluded from participation if:

- they have submitted an incomplete offer or their offer is not compliant with the Tender specifications;
- The offer is submitted after the set deadline.

15. Tender Evaluation Committee

An Evaluation Committee, formed by one representative of each partner of the IBTIKAR project, appointed for the purpose will perform the evaluation of the offers and award the contract.





The Tender Opening meeting of the Evaluation Committee will be held online on 11 December 2023.

16. Notification of results

UNIMED will communicate the evaluation results to the tenderers by e-mail, using the contact details provided in the application and/or the e-mail(s) used by the tenderer at the time of the submission.

17. Cancellation of the contract

UNIMED reserves the right of withdrawing from the contract if the provider does not comply with the equipment delivery and installation timing (set in paragraph 12 of the current document). In case of cancellation of the contract, the provider is obliged to return any down payment.

18. Communication and Contacts

For any further information or request for clarifications about this Tender, please contact:

Mr. Orlando Luca

e-mail: unimed@uni-med.net

The UNIMED's procurement procedure is available for unrestricted and full direct access, free of charge at: <https://www.uni-med.net/unimed-procurement-procedures/>.





ANNEXES



Annex I Equipment Specifications

The supply is divided in 5 (five) lots:

- lot 1: scientific instruments
- lot 2: industrial instruments
- lot 3: chemical instruments
- lot 4: electronic devices
- lot 5: informatics

Tenderers are allowed to apply for single lots.

The full list of equipment follows:

Lot 1 - Scientific instruments		
Item n°	Item description	Quantity
1	AdvancedSense ® Pro: Gray Wolf's portable and semi-permanent VOC meters, monitors are highly versatile, for low parts-per-billion ranges up to high PPM toxic VOC exposure ranges. Volatile Organic Com-pounds (VOCs) emanate from a broad range of sources in industrial and general indoor air quality (IAQ) applications.	1
2	Anemometer: measures wind speed.	1
3	Clamp-on 500KHz to 1MHz or more Ultrasonic Doppler flowmeter: it is used to investigate the limit of two-phase flow measurements.	1
4	Class B 22 Mins 18L Real Vacuum Dental Autoclave TS18: Sterilization is a core concern for microbiological research; Medical Officer of Health requires having autoclave. Unique function: only 22 min to finish the complete sterilization, to save the researcher 's time and money in managing the sterilization.	1
5	Climate Meter PCE-HWA 30: Measure the volume flow and the ambient temperature	1

6	Combined analog anemometer and wind vane: used in agriculture to determine the wind direction. It is normally used together with an anemometer that provides speed data	1
7	Density meter, DMA™ 35 Ex Petrol PORTABLE DENSITY METER, Anton Paar GmbH: For measuring petroleum samples in hazardous environments	1
8	Digital Barometer: Measures the pressure in the atmosphere.	1
9	Elcometer 319 Dew Point Meter: is designed to measure and record all relevant climatic parameters required to determine whether the conditions are suitable for painting.	1
10	Fuel Cell Concept Car & Gas Station: H-TEC's most realistic model car set gives observers a glimpse of the transportation technology of the future. The gas station uses solar power to run an electrolyser and produce hydrogen gas. This gas then feeds the air-breathing double fuel cell on board the car, producing electricity and driving the car forward.	1
11	Gas leak detector	1
12	Hand-held CO2 and temperature detector: Measures ambient carbon dioxide (CO2), temperature	1
13	Hygrometer: Measures the humidity in the local atmosphere.	1
14	Meteorological Data logger Center Equipment Environmental Monitoring System with Solar Panel	1
15	Mobile temperature measurements devices, range from 20°C to 1000°C: metering instrument to continuously measure, record and display volume of water flowing through sensor by use of ultrasonic time difference method.	1
16	One Educational training equipment, Solar Energy Comprehensive Utilization Trainer. Brand Name: XING KE, Model Number: XK-FTD2	1
17	One Sainlogic WiFi Weather Station, 10.2 inch Large Display Wireless Weather Station, Weather Stations Wireless Indoor Outdoor with Rain Gauge and Wind Speed, Weather Forecast	1

18	Peet Bros rain gauge with recorder: Store the rainfall totals and intensities.	1
19	Pico Scope 4262, 16-bit high-resolution oscilloscope: this device has been used to gather and increase sampling rate and bandwidth. It is focused on the important for measuring analog signals: increasing the resolution, improving dynamic range, and reducing noise and distortion.	1
20	Pyranometer: measures solar radiation.	1
21	Thermo Scientific Thermolyne FB1410M-33 Compact Benchtop Muffle Furnace: is a laboratory instrument used to heat materials to extremely high temperatures whilst isolating them from fuel and the byproducts of combustion from the heat source. Muffle furnaces allow for the isolation of a material to reduce the risks of cross-contamination and identify specific properties	1
22	Water level and temperature recorder: continuous monitoring of water level and temperature	1

Lot 2 - Industrial instruments		
Item n°	Item description	Quantity
1	Fluke 87V High Accuracy True-RMS Digital Multimeter: Unique function for accurate voltage and frequency measurements on adjustable speed motor drives and other electrically noisy equipment	1

Lot 3 - Chemical instruments		
Item n°	Item description	Quantity
1	Oakton PCTSTestr™: Ultimate tester for pH, conductivity, TDS, salinity, and temperature	5
2	Atomic Absorption Spectrophotometer: is used for quantitative determination of chemical elements by free atoms in the gaseous state. Atomic absorption spectroscopy is based on absorption of light by free metallic ions. The device can be used to determine over 70 different elements in solution or directly in solid samples via electrothermal vaporization. The device will be used to quantify pollutant concentrations in water and soil as part of different projects.	1
3	Autoclave: used to process laboratory media, water, pharmaceutical products, regulated medical waste, and nonporous articles whose surfaces have direct steam contact.	1

4	<p>Capillary column chromatography, Elite-5, Perkin Elmer: These columns are commonly used for analysis of drugs, pesticides, hydrocarbons, PCBs, essential oils, semivolatiles and solvent impurities.</p>	1
5	<p>DigiPol-R200 Laboratory Brix Refractometer Digital Auto Refractometer: It can measure the refractive index (Nd) and the mass fraction of sugar solution (Brix) of transparent, translucent, dark and viscous liquid with high accuracy and efficiency</p>	1
6	<p>DIGITAL PH METERDIGITAL PH METER: measure hydrogen ion activity in solutions</p>	1
7	<p>DO METER: measure the amount of dissolved oxygen in a liquid</p>	1
8	<p>Kjeldahl distillation unit automatic kjeldahl nitrogen analysis analyser: The protein analyzer (commonly known as the nitrogen determination instrument) is designed and manufactured based on the international Kjeldahl method.</p>	2

9	Kjeldahl Nitrogen Analyzer Kjeldahl Digestion Furnace: The digester is a sample digestion and transformation equipment developed according to the classical wet digestion principle.	2
10	Polarimeter, JH-P200, and Drawell	1
11	PROFESSIONAL WATERPROOF DISSOLVED OXYGEN AND BOD METER: Measure dissolved oxygen and temperature in water and other solutions	1
12	Refractive index meter, SmartRef, Anton Paar GmbH	1
13	TDS meter: indicate the Total Dissolved Solids in a solution	1

Lot 4 - Informatics		
Item n°	Item description	Quantity
1	500w inverter power inverter 24v inventors off-grid solar pure sine wave inverter	10
2	9A 300W DC-DC Step Down Buck Converter 5-40v to 1.2-35v Power Module: The device is very import for adjust the voltage output from the solar panel	1
3	Manufacturer OEM dc to dc step down buck converter boost converter	10

4	<p>PV1800 LHM Series High Frequency Off Grid Solar Inverter (AC:120V 1-3KW): is a multi-function inverter/charger, combining functions of inverter, MPPT solar charger and battery charger to offer uninterrupted power support with portable size.</p>	1
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Lot 5 - Informatics		
Item n°	Item description	Quantity
1	<p>Computers Desktop All-in-One PC, 23.8", Windows 11 Home, touchscreen, AMD Ryzen™ 5, 16GB RAM, 512GB SSD, 1TB HDD, FHD</p>	2
2	<p>UPS Replacement Battery to be used for computers brand APC UPS Battery Backup and Surge Protector, 600VA Backup Battery Power Supply, BE600M1 Back-UPS with USB Charger Port.</p>	2



Annex II Self-declaration

[to be sent on the company's headed paper]

I, the undersigned, _____ (*Name and Surname as in the passport*), legal representative of _____ (*Provider's Name*), hereby certify that our company providing the good(s) and/or service(s):

- is not bankrupt or wound up, does not have its affairs administered by the courts, has not entered into an arrangement with creditors, has not suspended business activities, is not the subject of proceedings concerning those matters, or is not in any analogous situation arising from a similar procedure provided for in national legislation or regulations;
- is not convicted of an offence concerning the professional conduct by a judgement which has the force of res judicata;
- is not guilty of grave professional misconduct proven by any means which the contracting authority can justify;
- has fulfilled obligations relating to the payment of social security contributions or the payment of taxes in accordance with the national legal provisions;
- has not been the subject of a judgement which has the force of res judicata for fraud, corruption, involvement in a criminal organisation or any other illegal activity detrimental to the Communities' financial interests.

Name and Surname of the legal representative:

Function:

Date:

Signature and stamp: