



Procurement Market Research

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 party conducting the research

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2. Object of the market research

This document aims to gain insights into suppliers, products, services, and market conditions to support informed decision-making in the procurement process of scientific industrial and chemical instruments, as well as informatic items. Instrumentation is needed to carry out scientific research within the university laboratories and research centres in Libyan HEIs, as part of the IBTIKAR project, co-funded by the ERASMUS+ Programme of the European Union.

Suppliers are requested to provide a list of the available items among the requested ones, each with a quotation in EUR. Shipping and installation costs shall be indicated separately. The equipment list is available listed in *Annex I - Equipment Specifications*.

This document does not represent a Call for tender and is in no way binding for the involved parties.

Specifications

The equipment items are divided into 5 (five) lots, containing physical equipment and related services for its collection and shipment.



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. 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.

6. Partner in charge of the purchase procedure

As agreed among the Consortium, UNIMED – Mediterranean Universities Union (Italy) is in charge of the purchase procedure on behalf of all the beneficiaries. Therefore, any contract that may result from the current market research, will be signed between the identified supplier and UNIMED, and the Terms and Conditions are those of UNIMED.



7. Currency for the equipment items

Suppliers shall provide documentation with prices in EUR.

8. Language of communications and documents

All the documents shall be in English.

9. Sending of the communications and documents: means and deadline

This market research is conducted during the period 21 December 2023 - 22 January 2024. Suppliers are invited to send to UNIMED all the required information and documents no later than **22 January 2024** exclusively to **uni-med@pec.it**.

10. Documents to be sent

Suppliers shall provide the following documents:

- a) Profile of the company;
- b) Main contact's name, phone number, email and address;
- c) Detailed information on the available items, with quantities, unit prices and total price [excluding VAT], including technical specifications of the equipment in accordance with *Annex I – Equipment Specifications*;
- d) Certificate / Declaration of Origin for each item, given that the equipment is meant to be shipped in Libya and shall be compliant with the import requirements of the Libyan government/authorities.
- e) Self-declaration (*Annex II*)

Additional documents such as instructions, operating manuals, warranty certificates, may be required.

Please indicate in the documents, 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 - Market Research*".

11. Equipment delivery location(s)

The equipment is to be delivered in Libya (location to be defined). However, the supplier may also ship items to Italy (location to be defined) in case shipping to Libya is not feasible.

Assistance and support services to the equipment beneficiaries for the installation of the equipment items must be ensured.



12. VAT

VAT exemption is applicable. For Italian suppliers, the VAT exemption is applicable in accordance with the Article 72 of the Italian Law D.P.R. 633/72. suppliers 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.

13. Use of the market research results

The results of the market research will be used to identify potential suppliers for the equipment purchase in the framework of the IBTIKAR project.

14. Evaluation principles

The documentation received will be assessed based on:

Evaluation criteria:

- o compliance with the requests in *Annex I - Equipment specifications*;
- o clarity of the information provided;
- o technical and professional capacity of the supplier;
- o prices of the items;
- o best value for money.

15. Notification of market research results

UNIMED will draft a report on the market research results and will contact responding suppliers by e-mail, using the contact details provided by the supplier.

16. Communication

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

Mr. Orlando Luca

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ANNEXES



Annex I

Equipment Specifications

The equipment items are divided in 5 (five) lots:

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

Suppliers are required to send information and documents for the items they treat among the list below:

Lot 1 - Scientific instruments		
Item n°	Item description	Quantity
1	AdvancedSense ® Pro: 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: 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 Utilisation Trainer.	1
17	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	Rain gauge with recorder: Store the rainfall totals and intensities.	1
19	PicoScope 4262, 16-bit high-resolution oscilloscope: this device has been used to gather and increase sampling rate and bandwidth. It is focused on the importance 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	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	Capillary column chromatography, Elite-5: These columns are commonly used for analysis of drugs, pesticides, hydrocarbons, PCBs, essential oils, semivolatiles and solvent impurities.	1
5	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	1
6	DIGITAL PH METERDIGITAL PH METER: measure hydrogen ion activity in solutions	1
7	DO METER: measure the amount of dissolved oxygen in a liquid	1
8	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.	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, 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	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	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 uninterruptible power support with portable size.	1

Lot 5 - Informatics		
Item n°	Item description	Quantity
1	Computers Desktop All-in-One PC, 23.8", Windows 11 Home, touchscreen, AMD Ryzen™ 5, 16GB RAM, 512GB SSD, 1TB HDD, FHD	2
2	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.	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 (supplier's Name) , hereby certify that our company providing the good(s) and/or service(s):

- o 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;
- o is not convicted of an offence concerning the professional conduct by a judgement which has the force of res judicata;
- o is not guilty of grave professional misconduct proven by any means which the contracting authority can justify;
- o has fulfilled obligations relating to the payment of social security contributions or the payment of taxes in accordance with the national legal provisions;
- o 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:

