

Section II: Schedule of Requirements

eSourcing reference: [RFQ/2026/64240]

A. Summary of Requirements

UNOPS requirements are comprised of the following lots:

LOT 1 — Automotive Workshop Machines (Garage Equipment)

- 1.1 Lift(2 Pole)
- 1.2 Tires Balancer
- 1.3 Tires Assembly & Disassembly Machine
- 1.4 Aircon Gas Charger
- 1.5 Arc Welding Machine
- 1.6 Spot Welding Puller
- 1.7 Washing Machine
- 1.8 Storage Unit

LOT 2 — Scanners

- 2.1 Scanner

UNOPS requirements are to be delivered to the following Vocational Training Centers (VTC):
Alexandria, Embaba, Kafr El-Zayat, Shubra.

The quantity distribution by VTC is available in point D of this document.

All equipment must be OEM, with OEM parts and accessories.

All equipment must be delivered, installed and commissioned by qualified personnel.

B. Technical specifications for Goods and Comparative Data Table:

LOT 1 — Automotive Workshop Machines (Garage Equipment)

1.1 Lift(2 Pole)

UNOPS minimum technical requirements
General Characteristics
Two-post vehicle lift suitable for passenger vehicles and light commercial vehicles (SUVs/light vans).
Electro-hydraulic or electro-mechanical lifting system.
Automatic or semi-automatic safety locking system.
Mechanical safety locks on both columns.
Emergency lowering system in case of power failure.
Adjustable lifting arms with suitable pads for different vehicle types.
Symmetric or asymmetric configuration acceptable.
Low-voltage control system for operator safety.
Anti-surge / hose burst protection system.
Specifications
Rated Load: $\geq 3,500$ kg (preferred $\geq 4,000$ kg)
Lifting Height: $\geq 1,800$ mm
Minimum Pad Height: ≤ 110 mm
Lifting Time: ≤ 60 seconds
Power Supply: 220V single phase or 380V three phase
Noise Level: ≤ 75 dB (approx.)
Compliance
CE or equivalent international safety certification
Accessories
User manual
Anchor bolts and installation kit
Warranty
Minimum 12 months
Additional Requirements
Delivery, installation, and commissioning included
On-site user training required
Availability of spare parts for at least 3–5 years
After-sales service support available in Egypt

1.2 Tires Balancer

UNOPS minimum technical requirements
Specifications
Suitable for balancing passenger car and light commercial vehicle wheels
Automatic or semi-automatic measurement of wheel parameters
Static and dynamic balancing modes
Digital display
Automatic stop after measurement
Works on all types of rims especially sportive rims.
Technical Requirements
Rim Diameter: $\geq 10'' - 24''$
Rim Width: $\geq 1.5'' - 20''$
Maximum Wheel Weight: ≥ 60 kg
Accuracy: ± 1 g
Quality Warranty (4 years).
Accessories
Standard cones and adapters
User manual
Warranty
Minimum 12 months
Additional Requirements
Delivery, installation, and commissioning included
On-site user training required
Availability of spare parts for at least 3–5 years
After-sales service support available in Egypt

1.3 Tires Assembly & Disassembly Machine

UNOPS minimum technical requirements
Specifications
Suitable for mounting and demounting tires for passenger cars and light vehicles
Vertical arm with manual or pneumatic locking
Rotating turntable with adjustable clamps
Pneumatic bead breaker
Foot pedal control system
Technical Requirements
Rim Clamping Range: $\geq 10'' - 24''$
Operating Pressure: 8–10 bar
Power Supply: 220V
Sturdy corrosion-resistant chassis
Additional Features (Preferred)
Helper arm for low-profile or run-flat tires
Accessories
User manual
Warranty
Minimum 12 months
Additional Requirements
Delivery, installation, and commissioning included
On-site user training required
Availability of spare parts for at least 3–5 years
After-sales service support available in Egypt

1.4 Aircon Gas Charger

UNOPS minimum technical requirements
Specifications
Fully automatic AC servicing unit
Capable of recovery, recycling, vacuum, leak testing, and refrigerant charging
Integrated oil separation and injection system
Digital display and control panel
Internal database for vehicle refrigerant quantities (updateable)
Technical Requirements
Refrigerant Type: R134a (R1234yf optional if available)
Vacuum Pump Capacity: ≥ 100 L/min
Recovery Efficiency: $\geq 90\%$
Leak detection function
Accessories
User manual
Hoses and connectors
Integrated printer
Warranty
Minimum 12 months
Additional Requirements
Delivery, installation, and commissioning included
On-site user training required
Availability of spare parts for at least 3–5 years
After-sales service support available in Egypt

1.5 Arc Welding Machine

UNOPS minimum technical requirements
General Characteristics
Microprocessor-controlled welding system for automotive body repair
Suitable for aluminium panel dent repair
Drawn-arc or equivalent welding technology
Adjustable welding current
Compact and portable design
Specifications
Power Supply: 220V single phase
Output Current: $\geq 180\text{--}200\text{ A}$
Protection Class: IP22 or higher
Accessories
Welding gun
Ground cable
Basic consumables
Warranty
Minimum 12 months
Additional Requirements
Delivery, installation, and commissioning included
On-site user training required
Availability of spare parts for at least 3–5 years
After-sales service support available in Egypt

1.6 Spot Welding Puller

UNOPS minimum technical requirements
General Characteristics
Microprocessor-controlled system for steel body panel repair
Automatic parameter adjustment based on selected tool
Digital control interface
Specifications
Power Supply: 220V
Peak Current: $\geq 3,500$ A
Duty Cycle: suitable for workshop operations
Accessories
Automatic gun
Manual gun
Pulling tools (hooks, stars, etc.)
Ground cable
Warranty
Minimum 12 months
Additional Requirements
Delivery, installation, and commissioning included
On-site user training required
Availability of spare parts for at least 3–5 years
After-sales service support available in Egypt

1.7 Washing Machine

UNOPS minimum technical requirements
General Characteristics
High-pressure washer suitable for automotive workshop cleaning
Electric-powered unit
Specifications
Power Supply: 220V
Motor Power: ≥ 3 kW
Pressure: ≥ 150 bar
Flow Rate: ≥ 10 –15 L/min
Adjustable pressure control
Accessories
High-pressure hose (≥ 8 m)
Spray gun with safety lock
Nozzles (various angles)
Detergent injector (chemical nozzle)
Warranty
Minimum 12 months
Additional Requirements
Delivery, installation, and commissioning included
On-site user training required
Availability of spare parts for at least 3–5 years
After-sales service support available in Egypt

1.8 Storage Unit

UNOPS minimum technical requirements
Specifications
Industrial storage unit suitable for workshop environment
Multi-shelf design or tool cabinet configuration
Steel or aluminium construction
Corrosion-resistant finish
Equipped with wheels (at least two with brakes)
Technical Requirements
Load Capacity per Shelf: ≥ 100 kg
Modular or adjustable shelving preferred
Accessories
User manual
Warranty
Minimum 12 months

LOT 2 — Scanners

2.1 Scanner

UNOPS minimum technical requirements	
General Characteristics	
Multi-brand automotive diagnostic tool	
Tablet-based	
Suitable for professional workshop use	
Functional Requirements	
Full system diagnostics (engine, transmission, ABS, SRS, etc.)	
Live data streaming	
Fault code reading and clearing	
Service functions (oil reset, EPB, battery reset, etc.)	
Support for multiple vehicle brands	
Technical Requirements	
Connectivity: Wi-Fi, Bluetooth, USB	
Compatible with standard OBD-II protocols and major OEM protocols	
Updateable software	
Accessories	
OBD-II connector	
Necessary adapters (as applicable)	
Charging cable	
User manual	
Warranty	
Minimum 12 months	
Software updates: minimum 2 years (preferred)	

C. Delivery requirements and Comparative Data Table:

UNOPS Requirements	
Delivery time	Bidder shall deliver the goods [04 Months] after Contract signature.
Delivery place and Incoterms rules	Alexandria, Embaba, Kafr El-Zayat, Shobra / (quantities as per following table) Incoterms DPU 2020
Consignee details	TBA after contract signature
UNOPS Right to vary requirements	At the time the Contract is awarded, UNOPS reserves the right to vary the quantity of the goods and associated services specified above, provided this does not exceed +/- [20%] , without any change in the unit prices or other terms and conditions of the RFQ.

***All imported goods (if shipped by sea) must enter through Alexandria Port.**

****The taxes and custom clearance will be covered by the consignee/beneficiary.**

*****When importing goods the bidder must include at least 21 days free demurrage fees.**

D. Consignee-wise quantity distribution

			Quantity Distribution by VTC			
Item	Description	Qty.	Alexandria	Kafrelzayat	Shobra	Imbaba
LOT 1 — Automotive Workshop Machines						
1.1	Lift(2 Pole)	2				2
1.2	Tires Balancer	4	1	1	1	1
1.3	Tires Assembly & Disassembly Machine	2			1	1
1.4	Aircon Gas Charger	3	1		1	1
1.5	Washing Machine	4	1	1	1	1
1.6	Arc Welding Machine	4			2	2
1.7	Spot Welding Puller	1				1
1.8	Storage Unit	20	5	5	5	5
LOT 2 — Scanners						
2.1	Scanner	8	2	2	2	2

E. Installation

All equipment (when applicable) must be installed by a qualified team, and all equipment must be tested in order to obtain final acceptance. (delivery of goods does not constitute acceptance).

F. Training

The supplier must provide a training session for how to use and maintain equipment, safety, manipulation. Duration and agenda must comply with manufacturer recommendations.

Trainer must be qualified and certified by the manufacturer.

Training will take place at the beneficiary premises after Installation & Commissioning.