

Addendum n°1 to the Tender Specifications for public contract TZA22002-10162 Supply of Training Equipment.

With reference to the Tender Specification sent on **16th July 2025**, and in relation to **section 6.3** (Tender form - prices).

1. Amendment –Tender form - prices

Amends: 6.3 Tender form prices

The original table in column of Quantity stated:

#	Designation	Specifications	Unit	Quantity	Unit price (Euro)	Total Price in Euro
1	Road solar poles complete with accessories	Pole Structure Material: Galvanized steel or aluminium alloy Height: 6 to 9 meters (customizable) Pole Type: Octagonal or cylindrical, single-arm or double-arm Wind Resistance: Up to 160 km/h Mounting: Flange-mounted with anchor bolts Finish: Powder-coated or hot-dip galvanized for corrosion resistance Solar Panel Type: Mono-crystalline or poly-crystalline Power Output: 100W to 200W (depending on lighting requirement) Efficiency: $\geq 18\%$ Mounting Angle: Adjustable tilt for optimal solar exposure Lifespan: ≥ 25 years Certifications: IEC 61215 / IEC 61730 Battery Type: Lithium-ion / LiFePO4 / Gel battery Capacity: 12V, 75Ah to 150Ah Depth of Discharge: $\leq 80\%$ Backup Time: 2–3 nights (autonomy)	PC	31		

		<p>Battery Box: Weatherproof, mounted on or inside the pole</p> <p>LED Lamp</p> <p>Power Rating: 30W to 60W</p> <p>Luminous Flux: ≥ 120 lm/W</p> <p>Color Temperature: 3000K–6500K</p> <p>Beam Angle: 120°</p> <p>Lifespan: $\geq 50,000$ hours</p> <p>Housing: IP65-rated waterproof and dustproof</p> <p>Charge Controller</p> <p>Type: MPPT or PWM</p> <p>Features:</p> <p>Overcharge and deep discharge protection</p> <p>Dusk-to-dawn automatic operation</p> <p>Motion sensor (optional)</p> <p>Efficiency: $\geq 95\%$</p> <p>Accessories Included</p> <ul style="list-style-type: none"> • Anchor bolts and base plate • Battery box (anti-theft design) • Wiring harness and connectors • Mounting brackets for panel and lamp • User manual and installation guide 				
2	Block making power machine	<p>- Block Forming Mode: Vibration + Pressure</p> <p>Mold Release Method: Hydraulic</p> <p>Turning Method: Hydraulic</p> <p>Hydraulic Pressure: 16–21 MPa</p> <p>Vibration Type: Mould vibration (core vibration for uniform density)</p> <p>Production Cycle Time: 25–30 seconds per cycle</p> <p>Main Motor Power: 18.5 kW (JMQ-12A) / 24 kW (QMY18A)</p> <p>Control System: Fully automatic with touchscreen PLC (F44 model)</p> <p>Block Size Compatibility:</p>	PC	31		

		<p>Height: 190mm – 450mm Mould Area: Up to 1160mm x 1050mm Pallet Requirement: No pallet needed (mobile operation) Hopper Capacity: Up to 2.5 m³ Output Capacity: 8" Hollow Blocks: 26,900 – 51,840 pcs per 8 hours (depending on model) Power Supply: 3-phase AC, 380V / 50Hz Mobility: Mobile chassis with hydraulic steering Safety Features: Safety guards with captive key locking Emergency stop system Materials Supported: Concrete, cement, sand, slag, small stones, construction waste Accessories Included:</p> <ul style="list-style-type: none"> • Mould sets • Hydraulic oil • Operation manual • Spare parts kit 				
3	Digital tape measure	<p>Measuring Range: 0.05 m to 50 m Accuracy: ±1.5 mm or better Display: Backlit digital LCD Units of Measurement: Metric (m, cm, mm) and Imperial (in, ft) Memory: Stores at least 10 measurements Power Source: Rechargeable battery or AAA batteries Battery Life: Minimum 5 hours of continuous use Auto Shut-off: After 3 minutes of inactivity Material: Durable ABS plastic with rubberized grip Water/Dust Resistance: Minimum IP54 rating Operating Temperature: -10°C to +50°C</p> <ul style="list-style-type: none"> • Connectivity: Optional Bluetooth for data transfer (preferred) 	PC	31		
4	Chip Drilling machine	<p>- Spindle Speed: Up to 26,000 RPM Supported Chip Types: BGA, IC, CPU, NAND, Touch IC Control Interface: Touchscreen or button panel</p>	PC	31		

		<p>Power Supply: AC 220V $\pm 10\%$, 50/60Hz</p> <p>Vacuum Suction Power: ≥ 20 kPa</p> <p>Vacuum Filter: HEPA-grade, dust and odor filtration</p> <p>Noise Level: ≤ 60 dB</p> <p>Machine Dimensions: Approx. 350mm x 300mm x 250mm</p> <p>Machine Weight: ≤ 10 kg</p> <p>Operation Modes: Automatic and Manual</p> <p>Safety Features: Overload and overheat protection, emergency stop</p> <p>Certifications: CE Certified</p> <p>Accessories Included:</p> <ul style="list-style-type: none"> • 3x CPU Grinding Bits • 1x Hard Disk Bit • 1x Touch IC Bit • 1x Lens Bit • Power Cable, User Manual, Maintenance Kit 				
5	Lcd tester machine	<p>- Supported Display Types: LCD, OLED, AMOLED, TFT</p> <p>Interface Support: RGB, CPU, SPI, LVDS</p> <p>Touch Function Testing: Supports capacitive and resistive touchscreens</p> <p>True Tone & 3D Touch Testing: Enabled for iPhone models</p> <p>Screen Size Compatibility: 3.5" to 7.0" mobile screens</p> <p>Power Supply: AC 220V $\pm 10\%$, 50/60Hz</p> <p>Voltage Output Range: 0–15V adjustable</p> <p>Pattern Generation: Built-in test patterns (color bars, grayscale, crosshair, etc.)</p> <p>Custom Pattern Support: Bitmap upload via USB</p> <p>Control Interface: Touchscreen or keypad</p> <p>Backlight Testing: Adjustable LED current and intensity</p> <p>Data Interface: USB for firmware updates and pattern uploads</p> <p>Dimensions: Approx. 300mm x 250mm x 150mm</p> <p>Weight: ≤ 5 kg</p> <p>Safety Features: Over-voltage protection, short-circuit protection</p> <p>Certifications: CE, RoHS</p>	PC	31		

		<p>Accessories Included:</p> <ul style="list-style-type: none"> • Display connector kits for major brands • USB cable • Power adapter • • User manual 				
6	Circuit pre-heating machine	<p>Material: High-quality aluminum alloy Heating Type: High power, high current heating Output Interface: 2x USB-A + 2x USB-C Instantaneous Output Current: Up to 20A Voltage Gears: 1.2V / 1.8V / 3.0V / 4.3V / 6.3V Fast Charging Protocol Support: PD, QC, AFC Display: 4-digit digital display (input/output voltage and current) Functionality: Preheating for soldering/desoldering Short circuit detection and repair Capacitance breakdown tool included Design: Ergonomic, compact, and portable Weight: Approx. 110g Safety Features: Over-voltage and over-current protection Application: Suitable for CPU, BGA, FPC connector, and PCB repair Accessories Included:</p> <ul style="list-style-type: none"> • Capacitance breakdown tool • Power cable • • User manual 	PC	31		
7	Acetyline regulator	<p>Type: 2-Stage Acetylene Gas Regulator Standards Compliance: IS 6901 (latest) / ISO 2503 (latest) Maximum Inlet Pressure: 40 bar Outlet Pressure Gauge: Minimum 60 intervals Marked in both bar and psi Inlet Pressure Gauge: Dual scale (bar and psi) Connector Type: External thread</p>	PC	31		

		<p>Compatible with acetylene cylinder valves as per IS 3224 (latest)</p> <p>Flashback Arrestor:</p> <p>Included (non-return valve + Flame arrestor)</p> <p>Connection Type: Nipple type (suitable for 8 mm hose)</p> <p>Application:</p> <p>Gas cutting, soldering, and heating in electronics and repair industries</p> <p>Markings:</p> <p>Unique serial number engraved on both regulator and flashback arrestor</p> <p>Safety Features:</p> <p>Overpressure relief</p> <p>Flame arrestor</p> <p>Accessories Included:</p> <ul style="list-style-type: none"> • Flashback arrestor • Mounting nut and washer • • User manual 				
8	Oxygen regulator	<p>Type: Double-stage oxygen gas regulator</p> <p>Standards Compliance: IS 6901 / ISO 2503 (latest editions)</p> <p>Maximum Inlet Pressure: 300 bar</p> <p>Outlet Pressure Range: 0–10 bar (adjustable)</p> <p>Inlet Connection:</p> <p>Compatible with oxygen cylinders as per IS 3224</p> <p>Threaded connection (BSP or CGA standard)</p> <p>Outlet Connection:</p> <p>Hose nipple suitable for 6 mm or 8 mm oxygen hose</p> <p>Pressure Gauges:</p> <p>Dual gauge (inlet and outlet)</p> <p>Marked in bar and psi</p> <p>Minimum 60 intervals for precision</p> <p>Body Material: Forged brass body with chrome-plated finish</p> <p>Diaphragm: Stainless steel or neoprene reinforced</p> <p>Safety Features:</p> <p>Pressure relief valve</p>	PC	31		

		<p>Flame arrestor (optional)</p> <p>Flow Rate: Up to 40 L/min</p> <p>Application:</p> <p>Oxygen supply for micro-welding, soldering, and heating</p> <p>Accessories Included:</p> <ul style="list-style-type: none"> • Mounting nut and washer • • User manual 				
9	Oxy acetyline cutting torch	<p>Torch Type: Manual oxy-acetylene cutting torch</p> <p>Cutting Capacity: Up to 25 mm (mild steel)</p> <p>Fuel Gas Compatibility: Acetylene (C₂H₂)</p> <p>Oxygen Pressure Range: 2–5 bar</p> <p>Acetylene Pressure Range: 0.5–1.5 bar</p> <p>Torch Body Material: Forged brass or stainless steel</p> <p>Nozzle Type: Swaged or two-piece</p> <p>Nozzle Sizes: #0, #1, #2 (interchangeable)</p> <p>Mixing Type: Injector type (safe for low-pressure acetylene)</p> <p>Handle Grip: Ergonomic, heat-resistant</p> <p>Ignition Method: Manual (flint spark lighter or piezo)</p> <p>Hose Connection:</p> <p>Oxygen: Right-hand thread</p> <p>Acetylene: Left-hand thread</p> <p>Hose size: 6 mm or 8 mm ID</p> <p>Safety Features:</p> <p>Flashback arrestors (at torch and regulator ends)</p> <p>Non-return valves</p> <p>Accessories Included:</p> <ul style="list-style-type: none"> • 3x Cutting nozzles • Spark lighter • Spanner • • User manual 	PC	31		
10	Acetyline cylinder(filled)	<p>Cylinder Type: Dissolved Acetylene Gas Cylinder</p> <p>Filling Gas: Commercial-grade acetylene (C₂H₂), ≥ 98% purity</p> <p>Cylinder Material: Seamless steel or forged steel</p> <p>Water Capacity: 40–50 liters (commonly used: 40L or 47L)</p> <p>Filling Pressure: 15 bar (at 21°C)</p>	PC	31		

		<p>Filling Medium: Acetone or DMF (Dimethylformamide) as solvent</p> <p>Gas Capacity: Approx. 7.6 m³ (for 40L cylinder)</p> <p>Valve Type: IS:3224 compliant, 3/4" BSP or 3/8" NGT thread</p> <p>Safety Devices:</p> <p>Fusible plugs (top and bottom)</p> <p>Valve protection cap</p> <p>Tare Weight: Approx. 45–55 kg (without cap)</p> <p>Height: Approx. 930–1000 mm (with valve and cap)</p> <p>Diameter: Approx. 250–300 mm</p> <p>Color Code: Maroon (as per gas cylinder color coding standards)</p> <p>Markings:</p> <p>Manufacturer's name</p> <p>Serial number</p> <p>Test date and expiry</p> <p>Gas type and capacity</p> <p>Testing Standard: Hydrostatic test every 5 years</p> <p>Certifications: PESO / ISO 9809 / IS 7312</p> <p>Accessories Included:</p> <p>Valve protection cap</p> <p>Test certificate</p> <ul style="list-style-type: none"> Safety data sheet (SDS) 				
11	Oxy acetyline welding torch	<p>Torch Type: Manual oxy-acetylene welding torch</p> <p>Welding Capacity: Suitable for thin sheet metal and micro-welding (0.2 mm to 3 mm)</p> <p>Fuel Gas Compatibility: Acetylene (C₂H₂)</p> <p>Oxygen Pressure Range: 1–4 bar</p> <p>Acetylene Pressure Range: 0.1–1.5 bar</p> <p>Torch Body Material: Forged brass or stainless steel</p> <p>Mixing Type: Injector or equal-pressure type</p> <p>Nozzle Sizes: #0, #1, #2 (interchangeable for different flame sizes)</p> <p>Flame Type: Neutral, carburizing, or oxidizing (adjustable)</p> <p>Handle Grip: Ergonomic, heat-resistant, non-slip</p> <p>Hose Connection:</p>	PC	31		

		<p>Oxygen: Right-hand thread Acetylene: Left-hand thread Hose size: 6 mm or 8 mm ID Ignition Method: Manual (flint lighter or piezo ignition) Safety Features: Flashback arrestors Non-return valves Application: Micro-welding of small components Precision soldering/desoldering PCB and metal frame repair Accessories Included:</p> <ul style="list-style-type: none"> • 3x Welding nozzles • Spark lighter • Spanner • User manual 				
12	Oxygen cylinder(filled)	<p>Cylinder Type: High-pressure seamless steel oxygen gas cylinder Filling Gas: Industrial-grade oxygen, ≥ 99.5% purity Water Capacity: 40–47 liters (commonly used: 47L) Filling Pressure: 150–200 bar (at 15°C) Gas Capacity: Approx. 6.8 m³ (for 47L cylinder at 150 bar) Cylinder Material: Seamless manganese steel or chromium-molybdenum alloy steel Valve Type: IS:3224 compliant, 3/4" BSP thread Color Code: Black body with white shoulder (as per gas cylinder color coding standards) Tare Weight: Approx. 50–55 kg Height: Approx. 1300–1400 mm (with valve and cap) Diameter: Approx. 230–250 mm Safety Features: Valve protection cap Pressure relief device Markings: Manufacturer's name Serial number</p>	PC	31		

		Test date and expiry Gas type and capacity Testing Standard: Hydrostatic test every 5 years Certifications: PESO / ISO 9809 / IS 7285 Accessories Included: <ul style="list-style-type: none"> • Valve protection cap • Test certificate • • Safety data sheet (SDS) 				
		Total without VAT				
		VAT 18%				
		Total Price of Items				

This is hereby amended as follows on column of Quantity:

#	Designation	Specifications	Unit	Quantity	Unit price (Euro)	Total Price in Euro
1	Road solar poles complete with accessories	Pole Structure Material: Galvanized steel or aluminium alloy Height: 6 to 9 meters (customizable) Pole Type: Octagonal or cylindrical, single-arm or double-arm Wind Resistance: Up to 160 km/h Mounting: Flange-mounted with anchor bolts Finish: Powder-coated or hot-dip galvanized for corrosion resistance Solar Panel Type: Mono-crystalline or poly-crystalline Power Output: 100W to 200W (depending on lighting requirement) Efficiency: ≥ 18%	PC	55		

		<p>Mounting Angle: Adjustable tilt for optimal solar exposure</p> <p>Lifespan: ≥ 25 years</p> <p>Certifications: IEC 61215 / IEC 61730</p> <p>Battery</p> <p>Type: Lithium-ion / LiFePO4 / Gel battery</p> <p>Capacity: 12V, 75Ah to 150Ah</p> <p>Depth of Discharge: $\leq 80\%$</p> <p>Backup Time: 2–3 nights (autonomy)</p> <p>Battery Box: Weatherproof, mounted on or inside the pole</p> <p>LED Lamp</p> <p>Power Rating: 30W to 60W</p> <p>Luminous Flux: ≥ 120 lm/W</p> <p>Color Temperature: 3000K–6500K</p> <p>Beam Angle: 120°</p> <p>Lifespan: $\geq 50,000$ hours</p> <p>Housing: IP65-rated waterproof and dustproof</p> <p>Charge Controller</p> <p>Type: MPPT or PWM</p> <p>Features:</p> <p>Overcharge and deep discharge protection</p> <p>Dusk-to-dawn automatic operation</p> <p>Motion sensor (optional)</p> <p>Efficiency: $\geq 95\%$</p> <p>Accessories Included</p> <ul style="list-style-type: none"> • Anchor bolts and base plate • Battery box (anti-theft design) • Wiring harness and connectors • Mounting brackets for panel and lamp • User manual and installation guide 				
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2	Block making power machine	<p>- Block Forming Mode: Vibration + Pressure</p> <p>Mold Release Method: Hydraulic</p> <p>Turning Method: Hydraulic</p> <p>Hydraulic Pressure: 16–21 MPa</p> <p>Vibration Type: Mould vibration (core vibration for uniform density)</p> <p>Production Cycle Time: 25–30 seconds per cycle</p> <p>Main Motor Power: 18.5 kW (JMQ-12A) / 24 kW (QMY18A)</p> <p>Control System: Fully automatic with touchscreen PLC (F44 model)</p> <p>Block Size Compatibility:</p> <p>Height: 190mm – 450mm</p> <p>Mould Area: Up to 1160mm x 1050mm</p> <p>Pallet Requirement: No pallet needed (mobile operation)</p> <p>Hopper Capacity: Up to 2.5 m³</p> <p>Output Capacity:</p> <p>8" Hollow Blocks: 26,900 – 51,840 pcs per 8 hours (depending on model)</p> <p>Power Supply: 3-phase AC, 380V / 50Hz</p> <p>Mobility: Mobile chassis with hydraulic steering</p> <p>Safety Features:</p> <p>Safety guards with captive key locking</p> <p>Emergency stop system</p> <p>Materials Supported: Concrete, cement, sand, slag, small stones, construction waste</p> <p>Accessories Included:</p> <ul style="list-style-type: none"> • Mould sets • Hydraulic oil • Operation manual • Spare parts kit 	PC	1		
3	Digital tape measure	<p>Measuring Range: 0.05 m to 50 m</p> <p>Accuracy: ±1.5 mm or better</p> <p>Display: Backlit digital LCD</p> <p>Units of Measurement: Metric (m, cm, mm) and Imperial (in, ft)</p> <p>Memory: Stores at least 10 measurements</p>	PC	10		

		<p>Power Source: Rechargeable battery or AAA batteries Battery Life: Minimum 5 hours of continuous use Auto Shut-off: After 3 minutes of inactivity Material: Durable ABS plastic with rubberized grip Water/Dust Resistance: Minimum IP54 rating Operating Temperature: -10°C to +50°C</p> <ul style="list-style-type: none"> Connectivity: Optional Bluetooth for data transfer (preferred) 				
4	Chip Drilling machine	<p>- Spindle Speed: Up to 26,000 RPM Supported Chip Types: BGA, IC, CPU, NAND, Touch IC Control Interface: Touchscreen or button panel Power Supply: AC 220V ±10%, 50/60Hz Vacuum Suction Power: ≥ 20 kPa Vacuum Filter: HEPA-grade, dust and odor filtration Noise Level: ≤ 60 dB Machine Dimensions: Approx. 350mm x 300mm x 250mm Machine Weight: ≤ 10 kg Operation Modes: Automatic and Manual Safety Features: Overload and overheat protection, emergency stop Certifications: CE Certified Accessories Included:</p> <ul style="list-style-type: none"> 3x CPU Grinding Bits 1x Hard Disk Bit 1x Touch IC Bit 1x Lens Bit Power Cable, User Manual, Maintenance Kit 	PC	1		
5	Lcd tester machine	<p>- Supported Display Types: LCD, OLED, AMOLED, TFT Interface Support: RGB, CPU, SPI, LVDS Touch Function Testing: Supports capacitive and resistive touchscreens True Tone & 3D Touch Testing: Enabled for iPhone models Screen Size Compatibility: 3.5" to 7.0" mobile screens Power Supply: AC 220V ±10%, 50/60Hz Voltage Output Range: 0–15V adjustable</p>	PC	1		

		<p>Pattern Generation: Built-in test patterns (color bars, grayscale, crosshair, etc.)</p> <p>Custom Pattern Support: Bitmap upload via USB</p> <p>Control Interface: Touchscreen or keypad</p> <p>Backlight Testing: Adjustable LED current and intensity</p> <p>Data Interface: USB for firmware updates and pattern uploads</p> <p>Dimensions: Approx. 300mm x 250mm x 150mm</p> <p>Weight: ≤ 5 kg</p> <p>Safety Features: Over-voltage protection, short-circuit protection</p> <p>Certifications: CE, RoHS</p> <p>Accessories Included:</p> <ul style="list-style-type: none"> • Display connector kits for major brands • USB cable • Power adapter • User manual 				
6	Circuit pre-heating machine	<p>Material: High-quality aluminum alloy</p> <p>Heating Type: High power, high current heating</p> <p>Output Interface: 2x USB-A + 2x USB-C</p> <p>Instantaneous Output Current: Up to 20A</p> <p>Voltage Gears: 1.2V / 1.8V / 3.0V / 4.3V / 6.3V</p> <p>Fast Charging Protocol Support: PD, QC, AFC</p> <p>Display: 4-digit digital display (input/output voltage and current)</p> <p>Functionality:</p> <p>Preheating for soldering/desoldering</p> <p>Short circuit detection and repair</p> <p>Capacitance breakdown tool included</p> <p>Design: Ergonomic, compact, and portable</p> <p>Weight: Approx. 110g</p> <p>Safety Features: Over-voltage and over-current protection</p> <p>Application: Suitable for CPU, BGA, FPC connector, and PCB repair</p> <p>Accessories Included:</p> <ul style="list-style-type: none"> • Capacitance breakdown tool 	PC	1		

		<ul style="list-style-type: none"> Power cable User manual 				
7	Acetyline regulator	<p>Type: 2-Stage Acetylene Gas Regulator</p> <p>Standards Compliance: IS 6901 (latest) / ISO 2503 (latest)</p> <p>Maximum Inlet Pressure: 40 bar</p> <p>Outlet Pressure Gauge:</p> <p>Minimum 60 intervals</p> <p>Marked in both bar and psi</p> <p>Inlet Pressure Gauge:</p> <p>Dual scale (bar and psi)</p> <p>Connector Type:</p> <p>External thread</p> <p>Compatible with acetylene cylinder valves as per IS 3224 (latest)</p> <p>Flashback Arrestor:</p> <p>Included (non-return valve + Flame arrestor)</p> <p>Connection Type: Nipple type (suitable for 8 mm hose)</p> <p>Application:</p> <p>Gas cutting, soldering, and heating in electronics and repair industries</p> <p>Markings:</p> <p>Unique serial number engraved on both regulator and flashback arrestor</p> <p>Safety Features:</p> <p>Overpressure relief</p> <p>Flame arrestor</p> <p>Accessories Included:</p> <ul style="list-style-type: none"> Flashback arrestor Mounting nut and washer User manual 	PC	1		
8	Oxygen regulator	<p>Type: Double-stage oxygen gas regulator</p> <p>Standards Compliance: IS 6901 / ISO 2503 (latest editions)</p> <p>Maximum Inlet Pressure: 300 bar</p> <p>Outlet Pressure Range: 0–10 bar (adjustable)</p> <p>Inlet Connection:</p> <p>Compatible with oxygen cylinders as per IS 3224</p>	PC	1		

		<p>Threaded connection (BSP or CGA standard)</p> <p>Outlet Connection:</p> <p>Hose nipple suitable for 6 mm or 8 mm oxygen hose</p> <p>Pressure Gauges:</p> <p>Dual gauge (inlet and outlet)</p> <p>Marked in bar and psi</p> <p>Minimum 60 intervals for precision</p> <p>Body Material: Forged brass body with chrome-plated finish</p> <p>Diaphragm: Stainless steel or neoprene reinforced</p> <p>Safety Features:</p> <p>Pressure relief valve</p> <p>Flame arrestor (optional)</p> <p>Flow Rate: Up to 40 L/min</p> <p>Application:</p> <p>Oxygen supply for micro-welding, soldering, and heating</p> <p>Accessories Included:</p> <ul style="list-style-type: none"> • Mounting nut and washer • • User manual 				
9	Oxy acetyline cutting torch	<p>Torch Type: Manual oxy-acetylene cutting torch</p> <p>Cutting Capacity: Up to 25 mm (mild steel)</p> <p>Fuel Gas Compatibility: Acetylene (C₂H₂)</p> <p>Oxygen Pressure Range: 2–5 bar</p> <p>Acetylene Pressure Range: 0.5–1.5 bar</p> <p>Torch Body Material: Forged brass or stainless steel</p> <p>Nozzle Type: Swaged or two-piece</p> <p>Nozzle Sizes: #0, #1, #2 (interchangeable)</p> <p>Mixing Type: Injector type (safe for low-pressure acetylene)</p> <p>Handle Grip: Ergonomic, heat-resistant</p> <p>Ignition Method: Manual (flint spark lighter or piezo)</p> <p>Hose Connection:</p> <p>Oxygen: Right-hand thread</p> <p>Acetylene: Left-hand thread</p> <p>Hose size: 6 mm or 8 mm ID</p> <p>Safety Features:</p> <p>Flashback arrestors (at torch and regulator ends)</p>	PC	1		

		<p>Non-return valves</p> <p>Accessories Included:</p> <ul style="list-style-type: none"> • 3x Cutting nozzles • Spark lighter • Spanner • • User manual 				
10	Acetyline cylinder(filled)	<p>Cylinder Type: Dissolved Acetylene Gas Cylinder</p> <p>Filling Gas: Commercial-grade acetylene (C₂H₂), ≥ 98% purity</p> <p>Cylinder Material: Seamless steel or forged steel</p> <p>Water Capacity: 40–50 liters (commonly used: 40L or 47L)</p> <p>Filling Pressure: 15 bar (at 21°C)</p> <p>Filling Medium: Acetone or DMF (Dimethylformamide) as solvent</p> <p>Gas Capacity: Approx. 7.6 m³ (for 40L cylinder)</p> <p>Valve Type: IS:3224 compliant, 3/4" BSP or 3/8" NGT thread</p> <p>Safety Devices:</p> <p>Fusible plugs (top and bottom)</p> <p>Valve protection cap</p> <p>Tare Weight: Approx. 45–55 kg (without cap)</p> <p>Height: Approx. 930–1000 mm (with valve and cap)</p> <p>Diameter: Approx. 250–300 mm</p> <p>Color Code: Maroon (as per gas cylinder color coding standards)</p> <p>Markings:</p> <p>Manufacturer's name</p> <p>Serial number</p> <p>Test date and expiry</p> <p>Gas type and capacity</p> <p>Testing Standard: Hydrostatic test every 5 years</p> <p>Certifications: PESO / ISO 9809 / IS 7312</p> <p>Accessories Included:</p> <p>Valve protection cap</p> <p>Test certificate</p> <ul style="list-style-type: none"> • Safety data sheet (SDS) 	PC	1		

11	Oxy acetyline welding torch	<p>Torch Type: Manual oxy-acetylene welding torch</p> <p>Welding Capacity: Suitable for thin sheet metal and micro-welding (0.2 mm to 3 mm)</p> <p>Fuel Gas Compatibility: Acetylene (C₂H₂)</p> <p>Oxygen Pressure Range: 1–4 bar</p> <p>Acetylene Pressure Range: 0.1–1.5 bar</p> <p>Torch Body Material: Forged brass or stainless steel</p> <p>Mixing Type: Injector or equal-pressure type</p> <p>Nozzle Sizes: #0, #1, #2 (interchangeable for different flame sizes)</p> <p>Flame Type: Neutral, carburizing, or oxidizing (adjustable)</p> <p>Handle Grip: Ergonomic, heat-resistant, non-slip</p> <p>Hose Connection:</p> <p>Oxygen: Right-hand thread</p> <p>Acetylene: Left-hand thread</p> <p>Hose size: 6 mm or 8 mm ID</p> <p>Ignition Method: Manual (flint lighter or piezo ignition)</p> <p>Safety Features:</p> <p>Flashback arrestors</p> <p>Non-return valves</p> <p>Application:</p> <p>Micro-welding of small components</p> <p>Precision soldering/desoldering</p> <p>PCB and metal frame repair</p> <p>Accessories Included:</p> <ul style="list-style-type: none"> • 3x Welding nozzles • Spark lighter • Spanner • User manual 	PC	1		
12	Oxygen cylinder(filled)	<p>Cylinder Type: High-pressure seamless steel oxygen gas cylinder</p> <p>Filling Gas: Industrial-grade oxygen, ≥ 99.5% purity</p> <p>Water Capacity: 40–47 liters (commonly used: 47L)</p> <p>Filling Pressure: 150–200 bar (at 15°C)</p> <p>Gas Capacity: Approx. 6.8 m³ (for 47L cylinder at 150 bar)</p>	PC	1		

		<p>Cylinder Material: Seamless manganese steel or chromium-molybdenum alloy steel</p> <p>Valve Type: IS:3224 compliant, 3/4" BSP thread</p> <p>Color Code: Black body with white shoulder (as per gas cylinder color coding standards)</p> <p>Tare Weight: Approx. 50–55 kg</p> <p>Height: Approx. 1300–1400 mm (with valve and cap)</p> <p>Diameter: Approx. 230–250 mm</p> <p>Safety Features:</p> <p>Valve protection cap</p> <p>Pressure relief device</p> <p>Markings:</p> <p>Manufacturer's name</p> <p>Serial number</p> <p>Test date and expiry</p> <p>Gas type and capacity</p> <p>Testing Standard: Hydrostatic test every 5 years</p> <p>Certifications: PESO / ISO 9809 / IS 7285</p> <p>Accessories Included:</p> <ul style="list-style-type: none"> • Valve protection cap • Test certificate • • Safety data sheet (SDS) 				
		Total without VAT				
		VAT 18%				
		Total Price of Items				