

TECHNICAL SPECIFICATION FOR THE PUBLIC BIDDING OF:

UPLB-S-055-8-17, SUPPLY, DELIVERY AND COMMISSIONING OF INDUSTRIAL MACHINERY AND EQUIPMENT

DATE OF PRE-BID CONFERENCE:
 DEADLINE OF SUBMISSION OF BIDS:
 OPENING OF BIDS:

Wednesday, 19 July 2017 2:00 PM
Wednesday, 2 August 2017 UNTIL 1:30 PM
Will follow shortly after the deadline of the submission of bids

LOT #	ITEM #	REQUIRED SECIFICATIONS	OFFERED SPECIFICATIONS (write down detailed offered specifications)	REFERENCES (include supporting documents)	COMMENTS/ REMARKS (clarify inclusion/ exclusion)	EVALUATION
		Supply, Delivery, and Commissioning of Industrial Machinery and Equipment				
1	1	Supply, Delivery and Commissioning of Air Compressor				
CEAT-AMDP FC: 9151032 Eric C. Repoldo 536-8745		highQ; screw type and compact; with built-in dryer and receiver tank; also includes pre-filter and post filter; 10 hp				
		3-phase, 220 VAC, 60 Hz				
		Working pressure: 0.8 Mpa (8 bars) (delivery)				
		Air delivery: 1.2 m3/min				
		Cooling type: air cooled				
		Power supply: 220/440 V, dual voltage, 60 hz, 3P Air				
		Tank capacity: 500 liters				
		Working pressure: 1.3 MPa (13 bars) (tank pressure)				
		Air dryer volume: 1.5 m3/min				
		Port size: 3/4 inch				
		Pre-filter (line filter); PAF-015, P-Grade; Filtration rate 5 microns; port size 1 inch				
		Post-filter (mist filter); PAF-015, S-Grade; Filtration rate 0.01 micron; port size 1 inch				
		To be delivered to UPLB CEAT shop				
		Warranty: One year warranty on non-consumeable parts				
		Delivery Period: 60CD upon receipt of Notice to Proceed				
		Availability of manufacturer's trained technician for after sales service.				
	Supplier must have been in the business of supplying industrial machinery for at least five years					

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2	1	Supply, Delivery and Commissioning of Brand New and Branded TIG and Stick Welding Power Source				
CEAT-AMDP FC: 9151032 Eric C. Repoldo 536-8745		Capacity:				
		Processes: AC/DC TIG (GTAW), Pulsed TIG (GTAW-P) and DC Stick (SMAW); also capable of MIG (GMAW) and Flux-Cored (FCAW)				
		Input voltage: 120 to 240 VAC, 1-Phase, 60 hz				
		DC and AC TIG Amperage range: 5 to 210 A				
		TIG duty cycle: 125 A at 60% duty cycle, 95 A at 100% duty cycle				
		AC/DC TIG Material thickness range: .020 to 1/4 inch (0.5 to 6.3 mm)				
		Stick (SMAW) duty cycle: 90 A at 60 % duty cycle; 60 A at 100% duty cycle				
		Stick electrode maximum diameter: 5/32 inch for 6010, 1/8 inch for 6013, 1/8 inch for 7018, 3/32 inch for 7024				
		MIG (GMAW) duty cycle: 100 A at 60% duty cycle, 75 A at 100% duty cycle				
		MIG (GMAW) material thickness range: 24 ga. to 3/8 inch				
		DC TIG and AC TIG Pulse - off to 50 PPS (pulses per second); expandable to 150 PPS using optional card				
		DC/AC TIG Postflow - Auto/Off to 50 seconds				
		DC Stick - welding amperage range 20 to 150 A; rated output 90 A at 23.6 V and 60% duty cycle				
	ACCESSORIES:					
	Power source with 3 meter power cord					
	TIG torch with Dinse-style connector					
	Flow gauge regulator and hose					

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		<i>Electrode holder with Dinse style connector</i>				
		<i>Work clamp with 3.7 meter cable and Dinse style connector</i>				
		<i>Foot control with 6 meter cord</i>				
		<i>Factory-installed running gear with low cylinder rack</i>				
		<i>Dual front handles with rubber grips designed to move machine easily and for hanging work lead and TIG torch and for protection of front panel</i>				
		<i>Integrated storage compartment for foot control, cables and parameter chart</i>				
		<i>Compartment for consumables</i>				
		FEATURES:				
		<i>Pro-Set (TIG) - eliminates the guesswork when setting weld parameters; Provides a selection of a preset welding parameters</i>				
		<i>AC Balance (TIG) - provides adjustable oxide removal which is essential for creating the highest quality aluminum welds</i>				
		<i>Pulse(TIG) - Pulsing can increase puddle agitation, arc stability and travel speedswhile reducing heat input and distortion</i>				
		<i>Auto-Set (MIG) - automatically sets the welding equipment to the proper parameters. Simply set the wire size, material thickness, and shielding gas</i>				
		<i>DIG (Stick) - allows the arc characteristics to be changed for specific applications and electrodes; Lower the DIG setting for smooth running electrodes like E7018 and increase DIG for stiffer, more penetrating electrodes like E6010</i>				
		<i>Multi-Voltage Plug (MVP)- allows connection to m120 or 240-volt receptacles without tools choosing the plug that fits the receptacle</i>				
		<i>Fan-On demand - cooling system operates only when needed, reducing noise, energy use and the amount of contaminants pulled through the machine</i>				

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		<i>Auto-Line - allows for any input voltage from 120 to 240 V without manual adjustment</i>				
		<i>Update and expand - has a front panel card data port for updating software</i>				
		<i>Starting - HF (high frequency with finger switch or foot switch)</i>				
		<i>Control Panel - Process Selector switch for AC TIG, DC TIG, DC Stick and MIG; Digital voltmeter; Digital ammeter; Output "On" indicator light; Menu selector; Memory card port; Encoder control; Includes also arc timer, reset and cycles</i>				
		<i>CERTIFICATION: certified by the Canadian Standards Association to both Canadian and U. S. Standards</i>				
		OTHER REQUIREMENTS:				
		<i>Brochures or copy of equipment manual must be submitted.</i>				
		<i>Supplier must have supplied welding equipment for at least 5 years and must be capable of providing after-sales services like maintenance, repair and spare parts.</i>				
		<i>The supplier must submit a brief company profile (indicate if available from web site) and a list of at least 2 major clients preferably during the last two years, including model of machine and year delivered, contact address and number.</i>				
		<i>To be delivered at UPLB</i>				
		<i>Warranty: 1 year</i>				
		<i>Delivery Period: 60CD upon receipt of Notice to Proceed</i>				
		<i>Availability of manufacturer's trained technician for after sales service.</i>				

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2	2	Supply, Delivery and Commissioning of Brand New and Branded MIG Arc Welding Power Source with Wire feeder and Gun Package				
CEAT-AMDP FC: 9151032 Eric C. Repoldo 536-8745		CAPACITY:				
		Processes: MIG (GMAW), Flux-Cored (FCAW)				
		Input voltage: 200 (208)/230V; 1-phase, 60 hz				
		Amperage range: 30 to 300 amperes				
		Rated output: 250 Amps at 28 VDC, 40% Duty Cycle; 200 Amps at 28 VDC, 60% Duty Cycle; 150 Amps at 100% Duty Cycle				
		Wire feed speed: 50 to 700 IPM (1.3 to 17.8 m/min)				
		Wire type and diameter: Solid /Stainless steel .023 - .045 in (0.6 - 1.2 mm); Flux Cored .030 - .045 in (0.8 - 1.2 mm)				
		Maximum spool size: 12 in (305 mm)				
		ACCESSORIES:				
		Power cord 3 meters long				
		MIG gun for .030/.035 inch wire with 15 ft (4.6 m) cord, 250 amperes				
		Work cable and clamp 10 ft (3 m)				
		Argon mix regulator/flowgauge and hose				
		Extra contact tips				
	Factory-installed running gear with low cylinder rack					
	Reversible drive rolls for .030/.035 inch wire					

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		<i>Set-up and operation interactive CD</i>				
		<i>Dual front handles with rubber grips designed to move machine easily and for hanging work lead and TIG torch and for protection of front panel</i>				
		<i>Compartment for consumables and parameter chart</i>				
		FEATURES:				
		<i>Front panel with digital readout - allows operator to preset voltage and wire feed; includes digital voltmeter, voltage control dial, digital wire speed meter and wire speed control dial</i>				
		<i>Auto Gun detect - allows operator to simply pull trigger on MIG gun, spool gun or push/pull gun; Automatically detects and recalls the voltage, wire feed speed and timer of the active gun</i>				
		<i>Push-Pull Gun direct connection - no extra module required</i>				
		<i>Fan -On-Demand cooling system - only operates when needed</i>				
		<i>Line voltage compensation - keeps power constant even if power input varies by ±10 %</i>				
		<i>Active arc stabilizer - minimizes weld cleanup</i>				
		<i>CERTIFICATION: certified by the Canadian Standards Association to both Canadian and U. S. Standards</i>				
		OTHER REQUIREMENTS:				
		<i>Brochures or copy of equipment manual must be submitted.</i>				
		<i>Supplier must have supplied welding equipment for at least 5 years and must be capable of providing after-sales services like maintenance, repair and spare parts.</i>				

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		<i>The supplier must submit a brief company profile (indicate if available from web site) and a list of at least 2 major clients preferably during the last two years, including model of machine and year delivered, contact address and number.</i>				
		<i>To be delivered at UPLB</i>				
		<i>Warranty: 1 year</i>				
		<i>Delivery Period: 60CD upon receipt of Notice to Proceed</i>				
		<i>Availability of manufacturer's trained technician for after sales service.</i>				
2	3	Supply, Delivery and Commissioning of Brand New and Branded Oxy-acetylene Cutter with Straight Rail (portable)				
CEAT-AMDP FC: 9151032 Eric C. Repoldo 536-8745		SPECIFICATIONS:				
		<i>Cutting speed: 100 to 1000 mm per minute</i>				
		<i>Cutting thickness: 6 to 50 mm</i>				
		<i>Direction: Forward and Reverse</i>				
		<i>Bevel cut angle: 0 to 45 degrees</i>				
		<i>Rail: at least 1800 mm, included</i>				
		<i>Torch set: included, for cutting square and bevel, includes also gauges and regulator</i>				
		<i>Input voltage: 220 volts, 60 hz, single phase</i>				

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		OTHER REQUIREMENTS:				
		<i>Brochures or copy of equipment manual must be submitted.</i>				
		<i>Supplier must have supplied gas cutting or welding equipment for at least 5 years and must be capable of providing after-sales services like maintenance, repair and spare parts.</i>				
		<i>The supplier must submit a brief company profile (indicate if available from web site) and a list of at least 2 major clients preferably during the last two years, including model of machine and year delivered, contact address and number.</i>				
		<i>To be delivered at UPLB</i>				
		<i>Warranty: 1 year</i>				
		<i>Delivery Period: 60CD upon receipt of Notice to Proceed</i>				
		<i>Availability of manufacturer's trained technician for after sales service.</i>				
2	4	Supply, Delivery and Commissioning of Brand New and Branded Oxy-acetylene Cutter for Shape/Template (portable)				
CEAT-AMDP FC: 9151032 Eric C. Repaldo 536-8745		SPECIFICATIONS:				
		<i>Cutting speed: 100 to 1000 mm per minute</i>				
		<i>Cutting thickness: 6 to 50 mm</i>				
		<i>Circle cutting range: up to 700 mm diameter</i>				
		<i>Cutting precision: 0.5 mm over 500 mm diameter</i>				
		<i>Torch set: included, with gauges and regulator</i>				
		<i>Input voltage: 220 volts, 60 hz, single phase</i>				

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		OTHER REQUIREMENTS:				
		<i>Brochures or copy of equipment manual must be submitted.</i>				
		<i>Supplier must have supplied gas cutting or welding equipment for at least 5 years and must be capable of providing after-sales services like maintenance, repair and spare parts.</i>				
		<i>The supplier must submit a brief company profile (indicate if available from web site) and a list of at least 2 major clients preferably during the last two years, including model of machine and year delivered, contact address and number.</i>				
		<i>To be delivered at UPLB</i>				
		<i>Warranty: 1 year</i>				
		<i>Delivery Period: 60CD upon receipt of Notice to Proceed</i>				
		<i>Availability of manufacturer's trained technician for after sales service.</i>				
3	1	Supply, Delivery and Commissioning of Brand New and Branded Profile Roller Bender				
CEAT-AMDP FC: 9151032 Eric C. Repaldo 536-8745		<i>Can bend steel bars of various profiles or sections such as round, square, flat, angle, including pipes and tubes</i>				
		BENDING CAPACITY:				
		<i>ROUND BAR: 1 inch diameter maximum;</i>				
		<i>SQUARE BAR: 1 inch x 1 inch maximum;</i>				
		<i>SQUARE TUBE: 2.0mm x 2 inches x 2 inches, 2.0mm x 1.5 inches x 1.5 inches, 2.0mm x 1 inch x 1 inch;</i>				
		<i>PIPE: 1/8 inch thick x 2 inches diameter, 1/8 inch thick x 1.5 inches diameter, 1/8 inch thick x 1 inch diameter;</i>				
		<i>FLAT BAR: 3/8 inch x 2 inches, 3/8 inch x 1.5 inches, 3/8 inch x 1 inch;</i>				
		<i>ANGLE BAR: 1/4 inch x 2 inches x 2 inches, 1/4 inch x 1.5 inches x 1.5 inches, 1/4 inch x 1 inch x 1 inch</i>				
		<i>Power: 1 hp electric motor, 3-phase, 220 VAC, 60 hz</i>				

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		<i>Includes dies for various profiles: round bar, square bar, angle bar, flat bar, round pipes, square tube, square bar</i>				
		<i>Has a base with cabinet for containing dies and accessories</i>				
		<i>Base has holes for mounting on the floor</i>				
		<i>Make: Preferably made in the Philippines</i>				
		OTHER REQUIREMENTS:				
		<i>Supplier must have been in the business of manufacturing shop equipment for at least 10 years and must be capable of providing after-sales services like maintenance, repair and spare parts.</i>				
		<i>The supplier must submit a brief company profile (indicate if available from web site) and a list of at least 2 major clients preferably during the last two years, including model of machine and year delivered, contact address and number.</i>				
		<i>To be delivered at UPLB</i>				
		<i>Warranty: 1 year</i>				
		<i>Delivery Period: 120CD upon receipt of Notice to Proceed</i>				
		<i>Availability of manufacturer's trained technician for after sales service.</i>				

Note: Please fill-up applicable columns.

Signature of Representative: _____

Name of Representative: _____

Position: _____

Company: _____

Address: _____

Telephone/ Fax: _____

Email: _____

End-user:

 Signature over Printed Name