

TECHNICAL SPECIFICATIONS
SOLICITATION Number RSU-2020-005
ABC: PhP1,898,800.00
QTY: 9

PROCUREMENT OF EQUIPMENT AND MACHINES FOR THE ESTABLISHMENT OF METALWORKING SCHOOL FACTORY

ITEMS	SPECIFICATION	STATEMENT OF COMPLIANCE
unit	Welding machine with generator and complete accessories; Model: GW200T; Welding process: MMA, TIG; OCV: 89V; Welding voltage: 22-28, Welding current: 50-200A; Electrode diameter: 1.2-5mm; Duty cycle: 100%; Auxiliary power output: 220V/3kW; Arc gap: >5mm; TIG welding current: 100-200A; Pre-flow time: 1.3s; Post-flow time: 3-8s Engine: Honda GX390; Displacement: 390cc; Fuel: Gasoline; Fuel capacity: 25li; Fuel consumption: 228g/Hp hr; Air cooling, oil protection; Start: Recoil; Weight: 68kg; Dimension: 680x530x605mm minimum	1
set	Oxyacetylene welding setup with tanks and accessories Designed for medium duty cutting, brazing and heating jobs. Neutral flame temperature reaches 5720 deg F with equal pressure design.	1
unit	MIG Welding with complete accessories; Advanced electronic reactance technology, can use the slim rod; Power wave automatic compensation function; Stable, spatter-free, fast, continuous welding; High efficiency and energy savings; Advanced IGBT inverter technology; Manual welding and gas shield arc welding; Suitable for metal construction; Model MIG 200; Input power voltage: single phase/ 220V; Rated input power capacity: 6.1kVA ;Output current range: 50-200A; Rated output voltage: 16.5-24 V	1
unit	Sheet Metal Bender; Heavy duty steel fabricated frame provides accurate bends; Extended fingers allow bending of pans to a depth of 200mm; Machine equipped with graduation ruler on both sides, readout eliminates bend angle guesswork; Ground segmented fingers can be repositioned to suit many applications; Safety top beam support lever located on right side of machine; Quick action beam adjustment for varying metal thickness; Includes rear manual back gauge; capable of bending 8' metal sheets	1
unit	Sheet Metal Roller Electric rolling machine; 3 rolls; Maximum thickness: 1.5mm; Maximum width 1300mm; Machine power:1.5kW; Diameter of upper roller: 72mm; Diameter of side rollers: 80mm; Weight: 225kg; Dimensions mm: 1800 x 550 x 1100	1



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unit	Combination Shear/Bender/Roller; 3-in-1 combination of shear, brake and roll machine; set of male dies and female dies (removable); two 24" position handle; Bed width: 1320mm; Shearing thickness: 1mm; Bending angle: 90 degrees; Rolling thickness: 1mm; Min rolling diameter: 43mm; Packing size: 168x56x75 cm; Gross weight: 377kg	1
unit	Hydraulic Pipe Bender; Maximum working load: 20 tons; Bending capacity outer diameter: 21.3-88.5mm, 3"; Wall thickness: 2.75-5mm;Max working stroke:320mm; Max operating force: 410N; Bending angle: $\Pi/2 - \Pi$ radians; No. of no load operation: <58N; Operation time, heavy: <220N; Dead weight: 118kg; Dimension: 760 x 875 x 715mm; With 8 round dies and 8 square dies of different dimensions	1
unit	Mechanical Pipe Roller; NC Bending Machine HW-76; 17 set of mould: round 16mm, 19mm, 22mm, 63mm, 25mm, 51mm, 32mm, 38mm, 76mm; square 30mm, 50mm, 16mm, 25mm, 40mm, 19mm, 32mm, 48mm; Bending diameter range: <76mm; Material thickness: 0.5-2mm; Maximum bending angle: 360; Minimum bending angle: 0 ; Power: 1.5kW; Switch: 220V; Weight: 160kg; Dimensions: 800mm x 500mm x 900mm	1
unit	CNC or NC Pipe bender; CNC or NC control unit, imported electric and hydraulic elements; direct acting hydraulic clamping; Easy operator interface and easy data input by English; Large program storage capacity; Automatic lock angle with high bending accuracy; Angle changing controlled by coder; Foot switch with multi function, emergency stop and resuming; Slf diagnosis and error message; For steel pipe, copper pipe, stainless steel pipe, aluminum pipe, iron pipe and others; Max bending capability: 50.8 diameter by 2t; Max bending radius: R200; Min bending radius R15; Max bending angle 185 degrees; maximum effective distance of mandrel: 2210 mm; Control system CNC or NC; Max elbow bend pipe, 16; max storable sections: 16x16; Motor power 5.5kW; Max hydraulic pressure; 14MPa; Hydraulic system control: Electromagnetic valve; Oil tank capacity: 150L; Size min 360x85x102 cm; Weight: 1280kg; Bundled with MC-275B pipe cutter	1