

The supply, installation, commissioning and training of 3kW 2D Laser cutter (1.5m x 3m), 3kW Tube Laser Cutter (Φ=20-350mm, L=8m) (capable of cutting open profiled tubing) and 63 Ton Palisade Punch Press Machine

**TECHNICAL MANDATORY REQUIREMENTS**

Tenderes will firstly be evaluated on this step (technical mandatory requirements). This is a "Yes" or "No" criteria where suppliers must satisfy all the criteria

2D Laser Cutting Machine	
Requirement	Y/N
min. 2.9kW Fiber Laser Source	
min. X-Y-Z travel = 1450mm, 2950mm, 115mm	
Max. floor space required = 9.5m x 5.5m	
Exchange Table (for preparing sequential sheets)	
min. cutting thickness for mild steel = 19mm	
min. cutting thickness for stainless steel = 9mm	
Max cutting speed greater than 29m/sec	
Closed type machine body	
Voltage stabiliser	
Repeat positioning accuracy less than 0.04mm	
Filtration system	
min. 15 Bar screw compressor with a dryer and filters	

Tube Laser Cutting Machine	
Requirement	Y/N
Capable of cutting Open profiles (eg. Angle iron, U-channel, I-beams, etc) *VERY IMPORTANT REQUIREMENT	
Customizable Tube profiles can be cut	
Max. rotating speed exceeds 100RPM	
Floor space required is less than 14m x 3m	
Min. cutting thickness for mild steel = 10mm	
Min. cutting thickness for stainless steel = 6mm	
Dimensions for tube processing exceeds: Ø340mm, L = 7.9m	
Repeat position accuracy less than 0.11mm	
min. 2.9kW Fiber Laser Source	
Filtration system	
min. 15 Bar screw compressor with a dryer and filters	

Palisade Press Machine	
Requirement	Y/N
Min 60 Ton	
Pneumatic Clutch	
Die Height adjustment 80mm	
Stroke adjustment 10mm - 150mm	
Worktable dimensions = 900mm x 580mm	
min. Motor Power 7.4kW	
Variable speed motor for adjusting strokes per minute	
Automatic oil lubricator	

A tender that fails to meet the above mandatory requirements is an unacceptable tender