

CNC Router Machine Specifications:

Annexure – F

Tender No. I-18012/8/22(413)**Technical Specification for CNC Router Machine (Engraving & Cutting)**

Machine name	CNC Engraver and Routing Machine
Ball Screw For Z	PMI
Operation grade/mode	Automatic
Body Material	Mild steel
Job Material	Wood, Plywood, MDF, PVC, Foam board
Application	Engraving, carving and cutting
Working area	≥ 1300 x 2500 x 300 mm
Software Compatibility	Type-3 or Equivalent With licence of Type-3 or equivalent (perpetual) in favour of NCSM, Kolkata
Spindle motor Power	6 Kw or higher
Axis Drive system	X,Y- Rack, Z-Ball screw
Controller	DSP Controller handled (G3)
Guide Rail	Linear rail, Hiwin or equivalent, 25 mm thickness
Rack and pinion	Helical, make- YYC or equivalent
Working Table	Clamping Bed Aluminium profile working table, T-slot heavy duty
Drive system	Servo motor (1 Kw each), Panasonic or equivalent
Gear Box	Yes
Spindle Speed	18000 RPM or higher
Voltage	240-380 V
Frequency	50 Hz
Phase	3 Phase
Spindle type	Air cooled
Weight	> 750 kg
Warranty	Total 2 Years Warranty (1 Year standard + 1 Year extended)

Other Accessories to be included:
One set tool kit
Two set cutting tool (Extra)
Servo Stabilizer: 15 KVA or suitable capacity
Dust Collector: 3 H.P. with ducting hose pipe and clamps
Standard design files library (Engraving, Carving and cutting)

Dated

Official Seal

Signature of the Tenderer/Constituted Attorney

CNC Router Machine Specifications:

Note:

The whole body will be one piece fabricated and sand blasted, powder coated heavy structure frame & gantry supports made from graded casting to sustain loads and vibrations during operating condition and coated to reduce wear and tear having stable operation with high accuracy and best performance. It should have Anti Vibration Levelling pad.

The whole machine should be dent and scratch proof with properly painted and coated for long lasting and rust free part and structure.

Its XYZ axis stands on linear ball bearing profile rails easy lubricating system for mechanism. T slot table should be provided on the top.

Make & Model offered:

(To be filled by bidder)