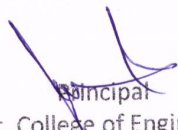
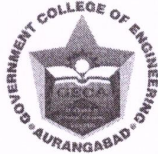


6	Bread board	01
7	On-off switch	05
8	Emergency stop push button	01
9	Arduino Bluetooth: HC-05 TTL Bluetooth Transceiver Module (With Button)	02
10	PMDC motor controller: 180 V Permanent magnet DC motor controller Input : 220 VAC / 50 Hz Output : 0-180V DC Motor : up to 0.5 HP	02
11	Drive Controller Motherboard: CNC Three Axis Stepper Motor Drive Controller Motherboard compatible with Arduino	01
12	Stepper Motor: NEMA 23 18.9 kg-cm Hybrid stepper motor ;Current 2.8A ; Lead wires -4; Shaft dia: 6.35mm	03
13	Bracket for NEMA 23 Stepper Motor – BEND ;Dimensions: 50x62x64 ; Material: Mild Steel(MS)	03
14	Bracket For NEMA23 Stepper Motor – Straight ;Material: Mild Steel(MS).; Dimensions: 100x56x2	03
15	Stepper Motor Vibration Damper: Original NEMA 23 Stepper Motor Vibration Damper Bracket 56*56*6 mm	03
16	NEMA23 Motor Coupling Hub 6.35 MM Internal Dia	03
17	MS NEMA23 Shaft Coupling 6.35mm X 8mm	03
18	Rubber Timing Belt: 6mm Width 110/112/158mm Length Closed Loop GT2 Rubber Timing Belt	05
19	Milling Cutter CNC Tool: 2-12mm Solid Carbide Milling Cutter 2 Flute Slot Drills 2/3/4/6/8/10/12mm Milling Cutter CNC Tool - 3mm	07
20	CNC Shield UNO-R3 Board 4xA4988 Driver Kit with Heat Sink for Engraver	01
21	Spindle motor: AC110V/220V \pm 10%50/60Hz ; 100VDC;500W Spindle Motor speed Up to idle up to 12,000 rev / min	01
22	Spring Collets: 1-7mm spring collet set for CNC Milling Lathe Tool Chuck collet	15
23	Arduino mega 2560 REV 3 ;Mega +WiFi R3 Atmega2560+NodeMCU ESP8266 32Mb Memory USB-TTL CH340G Compatible for Arduino Mega	03
24	Arduino: Arduino Uno R3 ATmega328	05
25	Jumper wires	60pcs

Yours faithfully


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No. GECA/Workshop/2020/330

Date

18 JAN 2020

- 01) Office Notice Board.
- 02) Institute web site.
- 03) Office Copy

Subject: - Quotation for purchase of machine parts/spares for experimentation on mill trainer.

Dear Sir,

You are requested to send your competitive quotations for the supply of the following items subject to the following conditions.

CONDITIONS:

1. Rates quoted should be FOR AURANGABAD or free delivery at the Institute inclusive of all lead and Lift.
2. Detailed specifications of the articles you intend to supply should be given. If not according to the specification, laid down here under.
3. The material should be supplied within 01 Week from the date of order. List of material is given below.
4. The earliest delivery period should be quoted if you cannot supply within the period mentioned above.
5. Quotation should be in sealed cover and superscripted as "for purchase of machine parts/spares for experimentation on mill trainer" Due on: 30/01/2020, at 3 P.M.
6. Quotation should be valid for six month.
7. Right to reject any or all quotations rights are with the under signed.
8. Rates quoted must be inclusive of all applicable Taxes.
9. Installation & Demonstration of the machines/equipments will be carried out free of cost at our
10. institute by the supplier
11. No advance shall be paid and No part payment shall be made.
12. Quotation not complying with the above conditions and incomplete once will not be considered.
13. supplier has to undertake repair replacement if any

Sr. No	Description	Qty
1	Stepper motor driver: TB6600 Stepper Motor Driver Controller 4A 9~42V TTL 16 Micro-Step CNC	03
2	CNC shield board CNC shield V3 for Engraving Machine 3D Printer A4988 DRV8825 driver expansion board.	02
3	CNC shield board driver: A4988 stepper motor driver: Module driver for CNC shield board	05
4	DC Power Supply: 12V 20A 250W Switch Mode Power Supply	02
5	USB cable: Type-B	02