

## Format for Submission of Expression of Interest (EOI)

### Brief about Expression of Interest.

Name of the Equipment/ Good	<b>CNC Milling Centre</b>
Location of the Supply	Veer Surendra Sai University of Technology, Burla, Odisha-768018
Name of Authority	Vice-Chancellor
Eligible firms	The firm should be the OEM/Authorized Dealers of the OEM having experience in supply and maintenance of the same item earlier.
Date of Submission of EOI	Last date is 20.10.2019
Contact person	Nodal Officer, Procurement, TEQIP-III, VSSUT, Burla
Phone Number of Contact person	9437177717
Email	<a href="mailto:pcvssutb@gmail.com">pcvssutb@gmail.com</a>
Address for submission of EoI	<u>Nodal Officer, Procurement, TEQIP</u> Veer Surendra Sai University of Technology, Burla, Odisha-768018.
Selection Process	Stage1: Expression of Interest (EOI); Stage 2: Quotation proposal submission in TEQIP-III format
<ul style="list-style-type: none"> <li>• <b><u>The EoI will be submitted by Speed Post/Registered Post only</u></b></li> <li>• The sealed envelope containing the EoI should be super scribed with “<b>Expression of Interest (EoI) for supply of CNC Milling Centre in Mechanical Engg. Dept</b>”</li> </ul>	

### Specifications of CNC VERTICAL Milling Centre AND STANDARD ACCESSORIES

Sl. No.	Description	Unit	Specifications
1.	Table		
a.	X-axis Stroke	mm	Not less than 600
b.	Y axis stroke	mm	Not less than 450
c.	Z axis stroke	mm	Not less than 450
d.	Table working surface	mm	900 X 440
e.	Maximum allowable weight on the table	Kg	Not less than 500
2.	Spindle		
a.	Spindle Nose Taper		BT 40
b.	Spindle Speed Range	rpm	80-8000
c.	Spindle Motor Power(Cont./30 min Rating)	kW	5.5 (7.5)
d.	Spindle Bearing Dia.(Inner/Outer)	mm	Min. 70/110

- |    |  |        |  |
|----|--|--------|--|
|    | e. Spindle Bearing Make  |        | NSK-Japan/RHP-USA or Better                          |
|    | f. Max. Spindle Torque   | Nm     | 55   |
| 3. | Feed System  |        |  |
|    | a. Cutting Feed Rate   | mm/min | 1-10000  |
|    | b. Rapid Traverse X  | m/min  | Minimum 40   |
|    | c. Rapid Traverse Z  | m/min  | Minimum 40   |
|    | d. Feed back Elements Hardened and Ground Linear Motion Encoder                  |        | Absolute   |
|    | e. Guideways for X,Y and Z axis  |        | Linear Motion  |
|    | f. LM Gudeways Make  |        | THK/Schneberger/Hiwin- or any Japanese/Europian Make |
|    | g. Hardened and Ground Ball Screw for X,Y and Z axis                             |        | Ball Screw   |
|    | h. Ball Screw Make   |        | THK/Tsubaki/PMI or any Japanese/Europian Make        |
|    | i. Ball Screw Dia.   | mm     | Not less than 32                                     |
|    | j. Axis motor Torque-X/Y/Z   | Nm     | 8/12/22  |
| 4. | Auto Tool Changer  |        |  |
|    | a. Type  |        | Twin Arm   |
|    | b. No. of Tools  |        | 24 Min.  |
|    | c. Max. Tool Dia. With pocket full/adjacent pocket empty                         |        | 75/130 mm  |
|    | d. Max. Tool Length  | mm     | 250  |
|    | e. Max. Tool Weight  | Kgs    | Not less than 8                                      |
|    | f. Tool changing Time  | Sec    | Min. 2.5 or Better                                   |
| 5. | Accuracy   |        |  |
|    | a. Positioning X,Y and Z axes  | mm     | 0.014 or Better                                      |
|    | b. Repeatability X Y and Z axes  | mm     | 0.010 or Better                                      |
| 6. | Lubrication and Coolant  |        |  |
|    | a. Guideways and Ball screws Automatic pressure Lubrication with Fault Detection |        |  |
|    | b. Coolant tank capacity   |        | suitable for the machine                             |
| 7. | CNC System   |        |  |
|    |  |        | Fanuc Oi MF  |
|    | All axis Motors should be Alpha  |        |  |
|    | Full Machine Guard   |        |  |
|    | Hydraulic/Electronic Counter balancing for Z Axis                                |        |  |
|    | Auto Toll Clamp Declamp  |        |  |
|    | Centralised auto lubrication   |        |  |
|    | Spindle taper Air Blow   |        |  |
|    | Manual Pulse generator   |        |  |
|    | Rigid Taping   |        |  |
|    | Telescopic covers with wipers  |        |  |
|    | RS 232 serial/USB interface  |        |  |
| 8. | Standard Machines Accessories along with machine                                 |        |  |
|    | Pull Studs   |        | 24 Nos.  |
|    | 3 Tier Lamp  |        |  |
|    | Coolant Gun  |        |  |
|    | Voltage Stabilizer of Suitable Capacity  | kVA    | 25   |
|    | A.C. Unit for Electrical Cabinet   |        |  |
|    | Hydraulic Vice, Jaw width 150 mm Opening 300 mm                                  |        |  |

	Clamping Kit	
	First Fill Oil	
	Leveling Pads & Foundation Bolts	
	Maintenance tool kit	
	Machine Manuals	
9.	Air Compressor	
	Type Reciprocating Type	Reciprocating Type
	Air Discharge	Min. 10 Cfm @ 9-10 Bar Pressure
10.	Air Dryer	
	Type	Refrigeration Type
	Air Discharge	Min. 10 Cfm @ 10 Bar Pressure
11.	4 <sup>th</sup> Axis CNC Rotary Table	
	4 <sup>th</sup> Axis Drive, Motor & Cable for interfacing Rotary Table	
	200 mm Dia CNC Rotary Table	
	3 Jaw Self Centering Chuck	
	Manual Tail Stock	
12.	Start up Tool Kit	
	BT40 facemill adapter	1 No.
	Dia.50 face milling cutter	1 No.
	Inserts for above cutter	10 Nos.
	Insert Screw	1 No.
	Torx Key for above Milling Cutter	1 No.
	BT40 ER32 Collet Chuck	6 Nos.
	Clamping Wrench - ER32	1
	Collet Set - ER32 (2,4,6,8,10,12 mm)	1 Set
	Solid Carbide Drill - Dia. 2,4,6,8,10,12 mm	1 Set
	Solid Carbide End Mill - Dia. 2,4,6,8,10,12 mm	1 Set
	DIN Tap-M2,M4,M6,M8,M10,M12	1 Set

## APPLICANT'S EXPRESSION OF INTEREST

To,  
Nodal Officer, Procurement, TEQIP-III  
TEQIP Cell  
Veer Surendra Sai University of Technology  
PO- College of Engineering, Burla  
Sambalpur - 768018  
Odisha

**Sub: Submission of Expression of Interest for supply of ..... with the given  
Technical specification under TEQIP-III.**

Dear sir

In response to the Invitation for Expressions of Interest (EOI) published on \_\_\_\_\_ for the above purpose, we would like to express interest to carry out the above proposed task. As instructed, we agree to supply the equipment /item with the following Technical specification:

### **Technical specifications**

### **Organizational Details :**

1. Name of the Organization
2. Complete postal address with pin code:
3. GST No:
4. Telephone No.
5. Fax Number
6. Mail Id:
7. Name of representative:
8. Representative Mobile Number :
9. Representative E mail Id:

**Experience in related fields:** Attach the purchase order if supplied any other Institute.

### **Additional information (if any):**

**Declaration:** We hereby confirm that we are interested in supplying the above equipment/item as per the given Technical specification to VSSUT, Burla under TEQIP III and we certify that our organization has not been blacklisted during last three financial years. All the information provided herewith is genuine and accurate.

Sincerely Yours,

Signature of the applicant

[Full name of applicant]

Stamp.....

Date:

**Note: This is to be furnished on the letter head of the organization and signed in every page.**