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**PROCUREMENT OF GOODS
UNDER
NATIONAL SHOPPING PROCEDURES**

FOR
YESHWANTRAO CHAVAN COLLEGE OF ENGINEERING, NAGPUR

(For Contracts value less than the equivalent of US \$ 50,000 each)

NSP/GOODS

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**No. / Category of quotation:- YCCE / TEQIP / ME / Jan-2006 /SCH2
Supply of equipments for Flexible Manufacturing System in Mechanical Engg Dept.**

Date: - 12.01.2006

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**INVITATION FOR QUOTATIONS FOR SUPPLY OF
GOODS UNDER NATIONAL SHOPPING PROCEDURES**

To,

Dear Sirs,

**Sub. : - INVITATION FOR QUOTATIONS FOR SUPPLY OF ITEMS/ Equipment for Flexible Manufacturing System in Mechanical Engg
Dept. (SCHEDULE-2)**

1. You are invited to submit your most competitive quotations for the following goods: -

Item No.	Brief Description of the Goods	Specifications	Qty	Delivery Period	Place of Delivery	Installation Requirement if any
1	CNC MILLING: PRODUCTION TYPE	<p>CNC Milling Machine should be suitable for production operation and programming with Standard Industrial control. (Preferably Fanuc OIM Mate Control and software). The CNC Mill should be equipped with 1) 100Liter's Capacity Coolant System 2) Centralized single shot automatic lubrication. The Machine should perform all the CNC cycles like contour Milling, drilling, Pocket Mill circular Pocket, Rectangular pocketing, Boring, Peck Drilling, boring, face milling. All function should be programmable through G & M codes (not through semi automatic manual spindle speed setting) .The Machine Should be compatible for FMS /CIM System.</p> <p>Features: - Vertical milling machine (VMC), FLOOR MOUNTED- All 3 Axes should have LM Guides. - The Ball Screws should be ground & Preloaded. - The Spindle Motor 3 HP. Max. Spindle speed of 0 – 3500RPM- Axes should be driven by AC Servo Motors. - The Controller should be siemens Fanuc OIM Control. The Machine should be fully enclosed. - 10 station Automatic Tool Changer.</p> <p>Programming features: · ISO Programming · Both Linear & Polar Coordinates· Contours / Cartesian· RS232 DNC Link · Linear Interpolation · Circular · Tangential Arc / polar· Radius Compensation· Program Part Repetition · Nested Subroutines· Rounding Corners (RND) · Canned Cycles· Chamfers· Peck Drilling· Boring cycle · Slotting Milling (Milling) · Rectangular circular pocket mill (Milling), · Datum shift· Mirror Image (Milling) · Dwell cycle · Word Address Programs.</p> <p>Machine Specification: Working table Clamping surface :at least 400*250mm Longitudinal travel range: X : 200mm, Cross travel range Y : 175mm Vertical travel range Z: 200mm, Spindle motor: 3 HP, Spindle Speed range 0 – 3500rpm, Spindle Taper(ISO 30)</p> <p>Manuals & Documentation: The Machine should be provided with following manuals & documents. - Installation, Preventive maintenance – Manual – 2 Copies - Programming manuals – 1 Copy</p>	1	1 Months	F.O.R, Y.C.C.E. NAGPUR	Yes

		<p>- Students Excise Book – 1 Copy - Machine Parts list with switches & Electrical Schematic drawings. - Trouble Shooting software – 1 Copy</p> <p>Service: Installation, Commissioning and demonstration of machine will be done at consignee place. Training: Three of each of consignees staff will be trained in the following function & CNC Part Programming – 4 days 1) Introduction to machine operation 2) Programming, servicing and trouble shooting and setup of the Machine 3) No. of sample job with programming on Machine to be worked out with all operations– 3Nos</p> <p>FMS Accessories for CNC Milling Hydro Pneumatic Vice Automatic trap Door on the side of the machinefor loading and unloading Gantry or floor type loading & unloading System</p> <p>Tooling Package: Collet Chuck BT30/A45RD25 with Pull Stud (1 No.) Collet Chuck BT30/A45RD16 with Pull Stud (1 No.) RD25 Collets Dia 5,6,8,10,12 (1 No. Each) RD16 Collets Dia 3,4,5 (1 No. Each) Two lipped Carbide Slot mill for facing shank dia 16 mm. Clamping kit set (1 No.) Set of HSS End Mills Dia. 4,5,6,8,10,12,14,16 mm(1 No. Each) HSS Slot Drills Dia. . 4,5,6,8,10,12,14,16 mm(1 No. Each)</p>				
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2. Government of India has received a credit from the International Development Association (IDA) in various currencies towards the cost of the Project and intends to apply part of the proceeds of this credit to eligible payments under the contract for which this invitation for quotations is issued.

3. Bid Price

- a) The contract shall be for the full quantity as described above. Corrections, if any, shall be made by crossing out, initialing, dating and re-writing.
 - b) All duties, taxes and other levies payable by the contractor under the contract shall be included in the total price.
 - c) The rates quoted by the bidder shall be fixed for the duration of the contract and shall not be subject to adjustment on any account.
 - d) The Prices should be quoted in Indian Rupees only.
4. Each bidder shall submit only one quotation.

5. Validity of Quotation

Quotation shall remain valid for a period not less than 45 days after the deadline date specified for submission.

6. Evaluation of Quotation

The purchaser will evaluate and compare the quotation determined to be substantially responsive i.e. which

- a) Are properly signed; and
- b) Conform to the terms and conditions and specifications.
- c) The quotations would be evaluated for Supply & Installation of items

7. Award of contract

The purchaser will award the contract to the bidder whose quotation has been determined to be substantially responsive and who has offered the lowest evaluated quotation price.

7.1. Notwithstanding the above, the Purchaser reserves the right to accept or reject any quotations and to cancel the bidding process and reject all quotations at any time prior to the award of contract.

7.2 The bidder whose bid is accepted will be notified of the award of contract by the Purchaser prior to expiration of the quotation validity period. The terms of the accepted offer shall be incorporated in the purchase order.

8. Payment for Goods and Services shall be made in **Indian Rupees**. Payment shall be made immediately after delivery of the goods.

9 . Normal commercial warranty/guarantee shall be applicable to the supplied goods,

10. You are requested to provide your offer latest by 1.00 P.M. hours on 24. 01.2006

11. We look forward to receiving your quotation and thank you for your interest in this project.

(Purchaser)



Name :- Dr. D. J. Tidke.

Designation :- Principal

Address :-Y.C.C.E.

HINGNA ROAD, WANADONGRI, NAGPUR- 441110

Fax No. 07104-232376

Tel.No. 07104-237919/234623


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INSTRUCTIONS

1. The quotations are to be submitted separately for each item wise along with covering letter.
2. The name of department & name of laboratory & schedule No. are to be given on the top of the envelope & clearly marked.
3. The product should conform to relevant standards.
4. Delivery of the goods should be F.O.R.Y.C.C.E. Nagpur. Freight, Transportation charges, & transit insurance etc to be paid by the supplier.
5. Only one rate is to be quoted for each item separately, including all Taxes, Duties & Levies.
6. For only purchases within Maharashtra State – Sales Tax concession- “FORM-I” shall be issued by college as per Maharashtra Sales tax act & Rules.
7. Supplier should provide training to One or two college staff members regarding operation of Equipment /item.
8. Supplier should supply one soft copy and one hard copy of manual along with the Equipment/item.
9. Supplier should supply specification and equipment information Boucher with quotation.
- 10 Payment shall be made immediately after delivery of the goods & Successful Installation & Testing & Satisfactory report.
- 11 Warranty period will be counted from the date of successful installation & commissioning of item / equipment.
- 12 Quote detail price break up of total price for individual items (Basic Price, Exice duty, Custom duty, VAT, Insurance, Packing & forwarding and freight etc)

(Purchaser)

Name  lke.
Designation :- Principal
Address :-Y.C.C.E.

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