



Rayat Shikshan Sanstha's
KARMAVEER BHAURO PATIL
COLLEGE OF ENGINEERING SATARA

TENDER DOCUMENT

FOR

Supply of Equipments/Apparatus for Mechanical Engineering Dept.
Laboratory
of

Rayat Shikshan Sanstha's, Karmaveer Bhaurao Patil College of
Engineering, Satara

Last date for submission of Sealed Tender: 23rd February 2022

Up to 5.00 PM

Tender to be submitted to:

The Principal

Rayat Shikshan Sanstha's,

Karmaveer Bhaurao Patil College of Engineering, Satara

Contractor should provide their:

Name of the Firm/Agency: _____

Contact Person: _____

E- MAIL id: _____

Contact Nos: _____

Postal address: _____

GSTIN: _____



Rayat Shikshan Sanstha's
KARMAVEER BHAURO PATIL
COLLEGE OF ENGINEERING SATARA

- TENDER NOTICE -

Rayat Shikshan Sanstha's
Karmaveer Bhaurao Patil College of Engineering, Satara

Tenders are invited from reputed firms/companies through e-Tendering process for for the requirement of Supply of Equipments/apparatus/ for Mechanical Engineering Laboratory.

The detail information of tender such as tender fess, terms, conditions and technical specifications of the tender process is available on our web site <https://edumart.sets.co.in>
Tender must be submit online to this website up to 23-02-2022 @ 5.00 pm.

Principal,
Karmaveer Bhaurao Patil College of Engineering, Satara



Rayat Shikshan Sanstha's

KARMAVEER BHAURO PATIL COLLEGE OF ENGINEERING SATARA

NOTICE INVITING TENDER (NIT)

NAME OF WORK: Supply of Equipments/apparatus for Mechanical Engineering Laboratory of Rayat Shikshan Sanstha's, Karmaveer Bhaurao Patil College of Engineering, Satara

Sealed tenders are invited for the above mentioned work from eligible agencies / contractors / firms.

The Technical-Bid and Price-Bid should be in sealed cover with the name of the work and technical-bid/ Price-bid (As the case may be) clearly written on each sealed covers.

1	Name of the work	Supply of Equipments/apparatus for Mechanical Engineering Laboratory
2	Date and Time where tender forms are available for sale (Price : Rs.1000/-) (From 14-02-2022 to 23-02-2022)	From 11.00 AM on 14-02-2022 to Up to 5.00p.m on 23-02-2022
3	Time and last date of submission of e-Tender	Up to 5.00p.m on 23-02-2022
4	Place, Time & Address for submission of tender/contact person /telephone no/email address.	The Principal, Rayat Shikshan Sanstha's, Karmaveer Bhaurao Patil College of Engineering, Satara Tel : 02162-230636
5	Date, Time and Place of opening of tenders.	Not Specified
6	Earnest Money Deposit (EMD) Payable at Satara	Rs 20,000/- (DD-Drawn in Favour of The Principal Rayat Shikshan Sanstha's, Karmaveer Bhaurao Patil College of Engineering, Satara.
8	Terms of payment of Bills, if any (specify the minimum value of work for payment of running account bills)	Please Refer Point No. 21 of following terms and conditions
9	(Penalty clause) Liquidated Damages	In case of delay a penalty @ the rate of 2% of the value of the work per week subject to a maximum of 10% (as per the value of work) would be strictly imposed.

11	Stipulated time for completion of the work/supply.	30 DAYS.
12	Validity period of the tender.	Three (3) Months.
13	GST	GST as applicable
13 (a)	Income tax	Income tax deduction at source would be by the college before releasing any payment to the contractor. As applicable for individual and partnership firms

**The Principal
Rayat Shikshan Sanstha's,
Karmaveer Bhaurao Patil
College of Engineering, Satara**

TERMS AND CONDITIONS:

1. The EMD is Rs.20000/- be paid as EMD by only any nationalized bank. D.D of in favor of Principal, Karmaveer Bhaurao Patil College of Engineering, Satara, Payable at Satara will be submitted by hand / Speed Post at office, Karmaveer Bhaurao Patil College of Engineering, Satara & details of D.D. should be fill online for approval.
2. The EMD of the dealers/channel partners will be returned to them if their tender is rejected. The EMD of other companies whose tender is accepted will be returned after 90 days of date of agreement with Principal, Karmaveer Bhaurao Patil College of Engineering, Satara and no objection certificate of concern HOD's where supply of goods is done.
3. All the prices mentioned in the tender must include All Taxes, Installation and Transportation (including delivery in respective branch).
4. The Vendors who are under composition scheme of GST could not participate in this tender process.
5. The vendors ought to mention separate GST in their Bills.
6. Vender should have been similar business and should be able to share minimum 3-5 such similar installation and execution.
7. Vendor Annual Turnover must be round about 10 lakhs for last 3 Years.
8. The vender participating should be capable of implementing the complete solution at later stage.

9. All material should be delivered by vendor to these colleges without any extra Freight and Transportation Charges.
10. Items are mentioned in the tender, dealers/channel partners can quote any or all brand. We require only one or any brand. Warranty mentioned in Technical Specification will be 03 business days on site comprehensive.
11. The dealers/channel partners whose tender is selected has to fulfill all the terms & conditions and provide the services during the warranty period and the same agreement should be written on Rs. 500/- stamp paper within 5 days to Principal, Karmaveer Bhaurao Patil College of Engineering, Satara
12. No payment in advance would be paid at the time of order.
13. The items ordered must be delivered as early as possible from the date of order. If the items are not delivered in time, the order will be cancelled without any intimation.
14. If delivery is not given as per purchase order and as per agreements, penalty will be charged per day @ 2% of purchase order amount.
15. Principal, Karmaveer Bhaurao Patil College of Engineering, Satara will cross-verify the supply product. Then the buyer will make the payment. If any malpractices are found, Principal, Karmaveer Bhaurao Patil College of Engineering, Satara will terminate the contract and the vendor will be blacklisted.
16. To feel Price bid refer PDF file for details of Item Brand, Specification and Quantity with related Item Code of each item. Quantities mentioned in the PDF file are approximate.
17. The prices of the items decided will be valid for the stipulated time.
18. The tender of those dealers/channel partners will be accepted whose prices are lowest from the particular make (specified brand and specifications) accepted in tenders.
19. Principal, Karmaveer Bhaurao Patil College of Engineering, Satara, is not bound to accept all the prices of the tender of any one company only.
20. The number of the items will be decided as per the need of the institute. It is not necessary that the institute will order the number of the items.
21. The Principal, Karmaveer Bhaurao Patil College of Engineering, Satara, will check all the items supplied by the dealers/channel partners in branches as per the purchase order and after satisfactory installation and testing report of concerned HOD's, 90% of the amount as per the order will be paid by cheque and remaining 10% of the amount as per the order after completion of 30 days of final satisfactory installation and testing report and acceptance of 5% bank guarantee from nationalized bank issued by company / dealer to Principal, Karmaveer Bhaurao Patil College of Engineering, Satara. Supply of material bank guarantee period is as same as warranty period.

22. If any item or peripheral is not available in market as per specified order, dealers/channel partners will responsible for supply those items or peripherals' of higher version or higher capacity in same price. No extra cost will be given for higher version or higher capacity of items or peripherals'.
23. The repair of any item must be done onsite within maximum 5-6 days and work of the machine/item must within maximum 5-6 days. If the repair is not possible on site the machine/item must be replace and then taken off-site for repair.
24. All mentioned Technical documents are compulsory for Technical Scrutiny otherwise his tender is not eligible for Commercial opening. Scrutiny and opening will be done online in scheduled time and its scheduled will be displayed on Tender web portal.
25. The decision of the purchaser shall be final and binding on the supplier in case of any dispute between the purchaser and supplier. The justification of the claim dispute will be Satara court only.
26. All the rights to change terms and conditions in tender and right to reject any or all tenders without any reason thereof whatsoever is reserved with Principal, Karmaveer Bhaurao Patil College of Engineering, Satara.
27. Tender must be submit online in stipulated time only.
28. Incomplete tenders are liable to be rejected.
29. Online auctions round not carried out.

Read, Understood, and Accepted

Signature of the Tenderer with Seal

Date:

(on dealers/channel partners letter pad)

Letterhead of Tenderer

To,
The Principal, Karmaveer Bhaurao
Patil College of Engineering, Satara,

Subject:- Supply of specified Item and the items related to it.

Sir,

I/We hereby declare that I/ We have carefully gone through the conditions laid down in the Notice Inviting Tender, General notes, General Conditions of Contract, Special conditions, Schedule of approximate quantities and rates, Form of Agreement, General Specification, Approved manufacturers/ natural source of materials (i.e. all parts of Technical bid), Technical Specifications of schedule of quantities (i.e. all parts of Price bid), and clearly understood all the same and on the basis of the same I/ We have quoted our rates in the Schedule of Quantities (i.e. Price-Bid, Part-II Tender document) attached with the tender documents.

I/ We hereby declare that, in particular during execution of all works at site; it will be my/ our sole responsibility to strictly adhere to/ meticulously follow the General Specification, Approved manufacturers/ natural source of materials, Technical Specifications of schedule of quantities, all drawings of layout and items.

For any type of deviation (to any of above or subsequent instructions), it will be my/ our responsibility to obtain the written instruction of the Engineer-in-charge for the same failing which it shall be deemed that I have carried out any such deviations at my own and I shall be duty bound to replace the all deviated material/ works from the site at my/ our cost as well as I shall be liable to penalized by the employer as deemed fit and for all such loses made thereof, I/ we shall not have any right to arbitrate in any manner.

I have read the terms and conditions stated in your tender and I agree with them. I am ready to supply the items and the items related to them as per the enclosed list. Please accept my tender. Thank you,

Yours Faithfully,

Date

Signature and seal of Tenderer

DETAILS OF THE VENDOR

Details filled in this form must be accompanied by sufficient documentary evidence, in order to verify the correctness of the information.

S. No	Item	Details
1.	Name of Company	
2.	Mailing Address	
3.	Telephone and Fax numbers	
4.	Constitution of the Company	
5.	Name and designation of the person authorized to make commitments	
6.	Email Address	
7.	Year of commencement of Business	
8.	Turnover of the company (not of group) 2017-18 2018-19 2019-20	
9.	GST Number	
10.	Income Tax & Pan Card Number	
11.	Whether direct manufacturer or authorized dealers	
12.	Brief Description of after sales service facilities available with the tender (on separate page)	

Details of Service Centers and Delaer Offices

Sr. No	Place& District	Own or Franchise	Postal Address	Contact Person Name and mobile numbers	Service Facilities available (Describe)	Number of service engineers	Time to report to the location
1							
2							
3							
4							
5							
6							
7							

Customer List

Sr. No	Customer Name	Customer Address	City	Phone No with STD	Contact Person Name	Purchase Amount	Purchase Date
1							
2							
3							
4							
5							

Following Technical documents are necessary to upload for Technical Scrutiny of Vendors in e-Tendering process.

Technical Documents

1. Scan copy of receipt of amount paid for tender fee.
2. Nationalized Bank Demand Draft of EMD amount (scan copy)
3. Acceptance letter signed by authority accepting all the above-mentioned terms and conditions.
4. Company Letter of Brand Authorized Dealer.
5. Details of Vendor (as per given format)
6. Annual Turnover of Last 3 financial years (year wise) CA certified Balance Sheet.
7. IT return for last 3 years
8. Authorized district wise service centers (as per given format)
9. Customer list with satisfactory report

GENERAL SPECIFICATIONS

Unless specified otherwise and whether specified in the schedule of quantity or not, the contractor shall adhere to following general specification/ guideline for the items of schedule of quantities.	
1	For any type of deviation (to any of above or subsequent instructions), contractor has to procure/ obtain the written instruction of the -in-charge for the purpose otherwise shall not do.
2	Any discrepancy in the site conditions shall be brought to the notice of the in charge.
3	The contractors shall visit the site and understand themselves the site conditions, the possible working hours and the resources available, etc., before quoting for the tender.
4	The site being working premises, work shall be carried out in a phased manner, after the office hours and on holidays. The premises shall be left clean for the daily functioning. No additional cost shall be considered for this factor.

LIST OF APPROVED MANUFACTURERS / NATURAL SOURCES OF MATERIALS TO BE USED IN THE CIVIL WORKS SUBJECT TO THE APPROVAL OF SAMPLES BY THE EMPLOYER

Approved Brands/ Makes of Materials Brands are to be used in the sequence mentioned.		
Sr. No.	Materials	Brands
1	as per rate sheet	as per rate sheet

Note:

The contractor shall use only above mentioned material or the equivalent make of which Prior written approval is obtained from the Engineer-in-charge. All materials shall confirm to Laid down specifications. The contractor shall take this into account while tendering rates / Prices.

Read, Understood, and Accepted

Date:

Signature of the Contractor with Seal

DECLARATION

I/We have inspected the site of Rayat Shikshan Sanstha's, Karmaveer Bhaurao Patil College of Engineering, Satara and I/We have made me/ us fully acquainted with the local conditions in and around the sites of works and Lay out drawings of works, drawings of each items etc. complete.

I/We hereby declare that I/ We have carefully gone through the conditions laid down in the Notice Inviting Tender, General notes, General Conditions of Contract, Special conditions, Schedule of approximate quantities and rates, Form of Agreement, General Specification, Approved manufacturers/ natural source of materials (i.e. all parts of Technical bid), Technical Specifications of schedule of quantities (i.e. all parts of Price bid), and clearly understood all the same and on the basis of the same I/ We have quoted our rates in the Schedule of Quantities (i.e. Price-Bid, Part-II Tender document) attached with the tender documents.

I/ We hereby declare that, in particular during execution of all works at site; it will be my/ our sole responsibility to strictly adhere to/ meticulously follow the General Specification, Approved manufacturers/ natural source of materials, Technical Specifications of schedule of quantities, all drawings of layout and items.

For any type of deviation (to any of above or subsequent instructions), it will be my/ our responsibility to obtain the written instruction of the Engineer-in-charge for the same failing which it shall be deemed that I have carried out any such deviations at my own and I shall be duty bound to replace the all deviated material/ works from the site at my/ our cost as well as I shall be liable to penalized by the employer as deemed fit and for all such loses made thereof, I/ we shall not have any right to arbitrate in any manner.

I/ We hereby declare that I/ We shall obtain necessary drawings of items from employer in time and also shall uniformly maintain such progress as may be directed by the employer to ensure completion of same within the target date/ time as mentioned in the tender document.

Date:

Signature and seal of Contractor/ Tenderer

Witness:

1.

A. QUOTE FOR SUPPLY OF EQUIPMENTS/APPARATUS FOR MUFFLE FURNACE WITH WATER AND OIL QUENCHING.

Sr. No.	Description	Unit	Rate	GST		Amount With GST
				%	Amount	
1.	Max temperature : 1300°C	01				
2.	Continuous operating temp : 1200°C	01				
3.	Heating element : Kanthal wire	01				
4.	Thermocouple : K Type	01				
5.	Chamber MOC : Ceramic fiber board	01				
6.	Exterior MOC : Mild steel powder coated	01				
7.	Insulation : Ceramic fiber blanket	01				
8.	Temperature controller : SCR power control	01				
9.	Power supply : 220Volts 50Hz	01				

Approx. Chamber Dimensions and Volume

- Water and oil quenching facility
- Temperature controller
- Rugged construction for long run with thick steel frame
- Fitted with safety devices
- Uniform heating rate
- Detailed Technical Manual, tools and On-site Training
- Steel tongs and gloves.
- Approx. L x W x H: 300 x 300 x 457mm @ 42 liters volume

Date:

Signature and seal of Contractor/ Tenderer

B. QUOTE FOR SUPPLY OF EQUIPMENTS/APPARATUS FOR CORIOLIS COMPONENT OF ACCELERATION APPARATUS.

Sr. No.	Description	Make	Unit	Rate	GST		Amount With GST
					%	Amount	
1.	<p>Specifications:</p> <ul style="list-style-type: none"> • Reservoir Tank: SS -304 material • Rotating Arms: 9mm/6mm orifice diameter, Length 300 mm. • Rotameter: 250 to 2500 LPH • Drive: Variable speed FHP motor, PMDC type • Pump: 0.5 HP for water circulation. • Control Panel Comprises of Speed and flow controller, RPM measurement, RPM Indicator with Proximity sensor. • Standard make On/Off Switch, Mains Indicator, etc. • The whole set-up is well designed and arranged in a good quality painted structure with Perspex Top Cover • Torque arm & spring balance to measure torque. • Detailed Technical Manual with sample calculations, required tools and On-site Training • Coriolis Component of Acceleration can be determined at various speeds of rotation and water flow rates. 	-	01				

Date:

Signature and seal of Contractor/ Tenderer

C. QUOTE FOR SUPPLY OF EQUIPMENTS/APPARATUS FOR MECHATRONICS LAB

Sr. No.	Description	Unit	Rate	GST		Amount With GST
				%	Amount	
01	PLC Based Electro Pneumatic Trainer 1) Single Acting Cylinder 2) Double Acting Cylinder 3) 3/2 – Way Valve Manually – Actuated , Normally Closed 4) 3/2 – Way Valve Pneumatically – Actuated, Spring Return 5) One – Way Flow Control Valve 6) 5/2 – Way Valve With Manually 7) 5/2 – Way valve Pneumatically 8) 5/2 – Way Pneumatic Actuated Valve Double Pilot 9) 3/2 –Way Roller Lever Valve Direct Actuation NormallyClosed 10) Shuttle Valve (OR) 11) Two- Presser Valve 12) Pressure Gauge 13) Manifold 14) Pushbutton Station For Electrical Signal Input 15) Relay card 16) 3/2 – Way Single Solenoid Valve 17) 5/2 – Way Single Solenoid Valve 18) 5/2 – Way Double Solenoid Valve 19) Power Supply Unit, 20) PLC 21) Air compressor 22) AND gate	01				
02	PID Controller Trainer for Temperature, Flow, Pressure , Level .	01				

Date:

Signature and seal of Contractor/ Tenderer

C. QUOTE FOR SUPPLY OF EQUIPMENTS/APPARATUS FOR MECHATRONICS LAB

Sr. No.	Description	Unit	Rate	GST		Amount With GST
				%	Amount	
03	PLC based Electro Hydraulic Trainer Kit 1. 4/2 way valve lever operated spring return 2. 4/3 way lever operated valve ,solenoid valve 3. 3/2 way valve lever operated solenoid valve 4. Pressure relief/ sequence valve 5. Pressure regulating 3 way valve 6. Pressure relief valve pilot operated 7. Unidirectional flow control valve 8. Bi-directional flow control valve 9. pressure gauge 10. Shut-off valve 11. Non-return valves	01				

Date:

Signature and seal of Contractor/ Tenderer

D. QUOTE FOR SUPPLY OF EQUIPMENTS/APPARATUS FOR HEAT TRANSFER LAB

Sr. No.	Description	Unit	Rate	GST		Amount With GST
				%	Amount	
01	<p>1. Parallel and Counter flow heat exchanger</p> <ul style="list-style-type: none"> • Control Panel: Stand Alone Metallic powder Table Type panel • Specimen: Inner Pipe: Copper, 10mm ID 12.5mm O.D & 1500 mm long, Outer Pipe: GI, 40mm ID & 1500mm Long • Insulation: Asbestos Cloth / Rope • Geyser: 1 liter, 3 kW, Instantaneous • Flow measurement: Measuring Jar with digital stop watch with Rotameters • Temperature Indicator: Digital Temperature Indicator ,0-199.9°C with Thermocouple selector switch . • Thermocouples: Teflon coated Cr –Al (K-type)-4 no. • Measuring Jar: Plastic-1000ml • Stop Watch: Digital, 1/10 of a second, Racer/Pacer Make • Experimental Capability: Over All Heat transfer Co-Efficient, Effectiveness • Manual: Self explanatory Instruction manual with sample calculation 	01				

Date:

Signature and seal of Contractor/ Tenderer

D. QUOTE FOR SUPPLY OF EQUIPMENTS/APPARATUS FOR HEAT TRANSFER LAB

Sr. No.	Description	Unit	Rate	GST		Amount With GST
				%	Amount	
02	<p>2. Emmissivity Measurement Apparatus Model</p> <ul style="list-style-type: none"> • Control Panel: Stand Alone Metallic Powder Table Type panel • Specimen:150 mm dia, 6 mm thickness, Brass / Aluminum - 2 nos • Enclosure:MS Box of 10"x10"x 20" in size with transparent window • Heater:75 mm dia. Mica - 250watts -2 nos • Voltmeter:Digital voltmeter of range 0-300V AC • Ammeter:Digital ammeter of range 0-20A AC • Temperature Indicator:Digital Temperature Indicator,0-400°C with Thermocouple selector switch. • Thermocouples:Teflon coated Cr -Al (K-type)-7 no. • Regulator Option:With Electronic Dimmers for individual Heater control. OR • Variac (Dimmerstat) 230V, S.ph, 0- 2Amp. Capacity for individual heater control • Experimental Capability:To Find out Emmissivity • Manual:Self explanatory Instruction manual with sample calculation 	01				

Date:

Signature and seal of Contractor/ Tenderer