



|| अंतरी पेटवु ज्ञानज्योत ||

**NORTH MAHARASHTRA UNIVERSITY JALGAON**

Phone No. (0257)2257476

**TENDER NOTICE**

Tenders are invited in Department of Electronics for the supply of “**1) Mass Flow Controller (MFC) & Vacuum Gauges & 2) Plasma Treatment Unit**” for Council of Scientific & Industrial Research (CSIR) funded research project. The interested vendor may submit the quotations as per specification given in the tender document provided on website [www.nmu.ac.in](http://www.nmu.ac.in). The last date of the receipt of tender is within 15 days from the date of publication of the tender on university website. If the last date of the tender receipt is extended we publish notice only on university website.

Place: Jalgaon

Date: 04/08/2017

**Finance & Account Officer**

॥ अंतरी पेटवु ज्ञानज्योत ॥



Grade-A  
NAAC Re-ACCREDITED  
3<sup>rd</sup> Cycle

**NORTH MAHARASHTRA UNIVERSITY, JALGAON**

POST BOX NO.80, UMAVINAGAR,  
JALGAON- 425 001  
Tel.No. (0257) 2257236  
Fax – (0257) 2258406

**TENDER DOCUMENT FOR**

**“Plasma Treatment Unit”**

(Part I, II, III & IV)

**(Total Pages 09)**

**LAST DATE FOR SUBMISSION OF TENDER 19/08/2017**

**Price Rs.500/-**

**Ref: Purchase Adv.2016pmd-36**

## PART - I (DETAILS OF THE TENDERER)

- 1) Name of the Company :
- 2) Mailing address :
- 3) Telephone and Fax Numbers :
- 4) Constitution of the Company :
- 5) Experience in business :
- 6) \* Turnover of the Company for last three Financial year :
- 7) \* C.S.T. Registration No. :
- 8) \* V.A.T. Registration No. :
- 9) \* PAN No. :
- 10) Details of Earnest Money :  
Deposit & cost of tender paid  
(i.e. D.D. NO. etc.)
- 11) Name of the company of which :  
You are authorized dealer etc.  
(Attested copy of certificate of  
Authorized dealership must be  
Enclosed)

(For the items marked (\*) relevant documents must be enclosed.)

**Signature & Seal of the Tenderer**

|| अंतरी पेटवु ज्ञानज्योत ||



**NORTH MAHARASHTRA UNIVERSITY,  
P.O. BOX 80, Umavi Nagar, JALGAON (MS)-425001**

**PART-II**

**1) Technical, General and Commercial Conditions of the tender**

The tender is called for various multinational and national brand of Plasma Treatment Unit. If the supplier wants to quote the rates for more than one make, he has to quote separate rate for each make. For multinational brand, the party should quote the rate in US \$ (on C.I.F. Mumbai basis) for indigenous brands, rates in Rupees (on F.O.R. destination basis).

- 2) Earnest Money Deposit & Cost of Tender:** - Vendors are required to give a Demand Drafts of **Rs. 5,000/- (Rs. Five Thousand only)** towards Earnest Money Deposit along with the offer. The Demand Draft must be drawn in favor of **The Finance & Accounts Officer, North Maharashtra University, Jalgaon.** In addition to Earnest Money Deposit Vendor is required to give a demand draft of **Rs. 500/-(Rs. Five hundred only)** towards the cost of tender (non-refundable) along with the offers. Offers made without E.M.D. & Cost of Tender will be rejected. If the tenderer, whose tender is accepted, refuses to accept the order, the amount of E.M.D. will be forfeited. The demand drafts must be enclosed with the Part- I

**3) Payment :-**

In case of order placed in foreign currency for direct importer 100% payment will be made through irrevocable letter of credit opened in favor of the Principal. The detailed terms and conditions of L/C must be given along with the quotation.

*INR ORDER*

In case of order is placed in Indian Rupees, 100% payment shall ordinarily be made within 30 days after delivery and satisfactory installation. Report received from technical authority appointed by the University or concerned H.O.D.

- 4) Security Deposit:** - The successful tenderer will be required to pay 5% amount of the total value of purchase order towards Security Deposit. The Security Deposit must be paid in the form of Demand Draft of nationalized /scheduled bank issued in favour of the **'The Finance & Accounts Officer, North Maharashtra University, Jalgaon.** The amount of Security Deposit will be

forfeited in case the supplier fails or refuses to supply the material as per purchase order.

- 5) **Retention Money:** - The University will retain 1% amount of the total value of purchase order towards Retention Money for the period of warranty. If the supplier fails to give services during warranty period, the amount of Retention Money will be forfeited.
- 6) **Bank Guarantee:** Bank guarantee for Plasma Treatment Unit. Components will have to be submitted for performance guarantee to the successful bidder
- 7) **Delivery Period:** - All material must be supplied within 2 to 4 weeks from the date of receipt of purchase order in case of order placed in Indian Rupees. If order is placed in foreign currency, the material must be supplied within 30 days from the date of opening of letter of credit. Penalty @ 0.1% per of total value day may be charged for delay in supply after prescribed period.
- 8) **Warranty:-**NMU desires to have 3 years on site comprehensive warranty for the purchased material/goods. Hence the bidder should clearly quote the period of standard warranty & the rate for warranty for remaining period (if any) from the date of installation.
- 9) **Guarantee:** - The vendor should guarantee that the components delivered to the University are brand new. The components must be supplied with their original and complete printed documentation.
- 10) **Safety & Security:** - Safety & Security of Plasma Treatment Unit shall be responsibility of the vendor till the installation.
- 11) Telex, cable or facsimile offers will be rejected.
- 12) Tender offer must be valid for a period of minimum 60 days after the date of opening of tender. Any offer failing short of the validity period is liable for rejection.
- 13) The rate should be inclusive of all taxes, duties, packing, transportation, loading and unloading charges and delivery of material shall have to be given in School of Physical Sciences, North Maharashtra University, Jalgaon.
- 14) The bidder shall deliver the Plasma Treatment Unit at **North Maharashtra University**.
- 15) The bidder will furnish a copy of sale Tax / service Tax registration certificate and PAN number details.
- 16) All disputes are subjected to Jalgaon jurisdiction.
- 17) Provide technical data sheets/Literature/product brochure along with the tender offer.

- 18) The University reserves the right to accept or reject of any or all the tenders from any or all the parties without assigning reason thereof.
- 19) Tender is being called in two envelopes system, i.e. the technical bid and commercial bid. The technical bid comprises part-I details of the tender, Part-II General and commercial conditions of the tender Part III Technical Specification & commercial comprises Part IV. The tendered has to submit both the bids in separate envelopes.
- 20) Tender offer should be complete in all respect and as per the format as prescribed by the university. Incomplete offers would not be entertained.
- 21) Your tender should be along with the documents (i) attested copy of Statements of Annual Accounts certified by Chartered Accountant (Profit & Loss Account and Balance sheet) of last three years to be enclosed along with Part- I.
- 22) The University is looking for well proven branded products conforming to ISO 9002 which are volume produced and are used by a large number of users in India/Abroad. All products quoted should be associated with specific model numbers and names and with printed literature describing configuration any functionality.
- 23) The University reserves the right to delete/ increase/ decrease items from the schedule of requirement specified in the tender.
- 24) The last date for submission of sealed tender is 00/00/2017 during office hours i.e. from 10.00 AM to 17.40.PM. Any tender offer received by the University after the deadline for submission of tender prescribed by us will be rejected and/ or returned unopened to the tenderer. The University will not be responsible for tenders received late due to postal or any other delay.

Place :- Jalgaon.

Date :- / / 2017

Finance &Accounts Officer

Signature & Seal of Vendor

Token of acceptance of all Terms & conditions of tender

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**PART - III (Technical Specification)**

<b>Sr. No.</b>	<b><u>Specification</u></b>	<b><u>Qty</u></b>	<b><u>Make/ Model</u></b>	<b><u>Rate</u></b>
<b>01</b>	<b>REMOT PLASMA VACUUM CHAMBER</b> <ul style="list-style-type: none"> <li>❖ All SS 304 L TIG welded construction</li> <li>❖ Cylindrical Diameter 400mm x 300mm height (Approx.)</li> <li>❖ Various ports for vacuum and other connections</li> <li>❖ Quartz tube (50 mm dia. and 300 mm length Approx.) with vacuum sealed flanges fitted on top of the vacuum chamber</li> </ul> <b>lid</b> <ol style="list-style-type: none"> <li>1. High Vacuum port-( Side mounted, ISO 63)</li> <li>2. Heater port- Bottom mounted, ISO 15kf)(Blue wave heater Dimension. As per Heater mention in Sr. No. 2 )</li> <li>3. Precursor in let port (ISO 15kf)</li> <li>4. View port (ISO 25)</li> <li>5. Quick Access Door (mounted on front side) (Dia.= 150)</li> <li>6. Chamber turbo Pump adapter</li> <li>7. Pirani gauge port (ISO 15kf)</li> <li>8. Cold cathode gauge port (ISO 25)</li> <li>9. Capacitance gauge port (ISO 25)</li> </ol> <p><b>Note:</b> 1) Engineering Drawing have to be approved by NMU 2) Schematic Drawing is attached for reference</p>	01		
	<b>SUBSTRATE TABLE AND HEATERASSEMBLY</b> (4" Wafer) with Temperature controller (PID type) up to 300°C vacuum compatible	01		
	<b>VACUUM VALVES</b> <ol style="list-style-type: none"> <li>1. Gate valve ISO 63 (pneumatic control)</li> <li>2. Roughing valve ISO 25 (pneumatic control)</li> <li>3. Backing valve ISO 25 (pneumatic control)</li> <li>4. Pressure control valve ISO 63(Motor control)</li> <li>5. Chamber Vent Valve ISO 10 KF Compatible (pneumatic control)</li> </ol>	01 01 01 01 01		
	<b>ALUMINIUM EXTRUSION MAIN FRAME ASSEMBLY</b> with metal sheet ( L= 600 mm, B = 500 mm, H=	01		

1000 mm) frame dimensions			
<b>Installation and commissioning</b> The supplier or his representative will do the installation and commissioning of the equipment at actual location at NMU Jalgaon. The infrastructure/ utilities required from this laboratory during installation and commissioning should be intimated with the offer.			
<b>Consumable &amp; Spare Parts:</b> Necessary recommended spares along with the cost for 2 years of trouble free operation of the system must be offered by the Vendor. Electronic spares like ICs, relays, PCBs, filament, transistors, relays, etc.			
<b>Documentation</b> Vendor has to provide complete set of operation, service & maintenance manual, technical manuals with full diagrams and drawing in duplicate.			
<b>Total</b>			

**Signature & Seal of the Tenderer**



**PART - IV (Commercial Bid)**

To,

Date: / / 2017

**The Finance & Accounts Officer,**  
P.O. Box No. 80, Umavi Nagar,  
N.M.U, Jalgaon 425001.

**Sub: Submission of Commercial Offer.**

Dear Sir,

In response to your advertisement in ----- dated ...../...../2017, we hereby submit our best possible rates for following items.

<b>Sr. No.</b>	<b><u>Specification</u></b>	<b><u>Qty</u></b>	<b><u>Make/Model</u></b>	<b><u>Rate</u></b>
<b>01</b>	<p><b>REMOT PLASMA VACUUM CHAMBER</b></p> <ul style="list-style-type: none"> <li>❖ All SS 304 L TIG welded construction</li> <li>❖ Cylindrical Diameter 400mm x 300mm height (Approx.)</li> <li>❖ Various ports for vacuum and other connections</li> <li>❖ Quartz tube (50 mm dia. and 300 mm length Approx.) with vacuum sealed flanges fitted on top of the vacuum chamber</li> </ul> <p><b>lid</b></p> <ol style="list-style-type: none"> <li>1. High Vacuum port-( Side mounted, ISO 63)</li> <li>2. Heater port- Bottom mounted, ISO 15kf)(Blue wave heater Dimension. As per Heater mention in Sr. No. 2 )</li> <li>3. Precursor in let port (ISO 15kf)</li> <li>4. View port (ISO 25)</li> <li>5. Quick Access Door (mounted on front side) (Dia.= 150)</li> <li>6. Chamber turbo Pump adapter</li> <li>7. Pirani gauge port (ISO 15kf)</li> <li>8. Cold cathode gauge port (ISO 25)</li> <li>9. Capacitance gauge port (ISO 25)</li> </ol> <p><b>Note:</b> 1) Engineering Drawing have to be approved by NMU 2) Schematic Drawing is attached for reference</p>	01		
	<p><b>SUBSTRATE TABLE AND HEATERASSEMBLY</b> (4" Wafer) with Temperature controller (PID type)</p>	01		

up to 300°C vacuum compatible			
<b>VACUUM VALVES</b>			
6. Gate valve ISO 63 (pneumatic control)	01		
7. Roughing valve ISO 25 (pneumatic control)	01		
8. Backing valve ISO 25 (pneumatic control)	01		
9. Pressure control valve ISO 63(Motor control)	01		
10. Chamber Vent Valve ISO 10 KF Compatible (pneumatic control)	01		
<b>ALUMINIUM EXTRUSION MAIN FRAME ASSEMBLY</b> with metal sheet ( L= 600 mm, B = 500 mm, H= 1000 mm) frame dimensions	01		
<b>Installation and commissioning</b> The supplier or his representative will do the installation and commissioning of the equipment at actual location at NMU Jalgaon. The infrastructure/ utilities required from this laboratory during installation and commissioning should be intimated with the offer.			
<b>Consumable &amp; Spare Parts:</b> Necessary recommended spares along with the cost for 2 years of trouble free operation of the system must be offered by the Vendor. Electronic spares like ICs, relays, PCBs, filament, transistors, relays, etc.			
<b>Documentation</b> Vendor has to provide complete set of operation, service & maintenance manual, technical manuals with full diagrams and drawing in duplicate.			
<b>Total</b>			

**Signature & Seal of the Tenderer**