

JIWAJI UNIVERSITY, GWALIOR

No. Env. Chem/2016-17/84

Date 15.09.16

ONLINE TENDER NOTICE

Online tenders are invited in e-procurement system through www.mpeproc.gov.in from Manufacturer / Authorised distributor only for supply of equipments.

Tender document containing terms, condition & specification of the items can be downloaded from the e-procurement website www.mpeproc.gov.in by paying Rs. 1000.00 online, tender can also be seen at Universities website www.jiwaji.edu

Terms:

1. Online tender can be purchased up to 5.00PM till 17.10.2016
2. Online price bid can be submitted up to 5.00PM till 18.10.2016
3. Earnest money (EMD) and other documents can be submitted at Jiwaji University Stores through Speed Post / Courier / Inward up to 5.00PM till 19.10.2016
4. Online bid will be opened on 20.10.2016
5. All terms and conditions of the tender can be seen on above websites
6. Registrar Jiwaji University Gwalior reserve right to accept / reject / cancel any tender without stating any reason


REGISTRAR



जीवाजी विश्वविद्यालय, ग्वालियर

क्रमांक - JU/Env. Chem/2016-17 | 84

दिनांक - 15.09.2016

ऑनलाइन निविदा आमंत्रण

उपकरण खरीदने के लिए केवल निर्माता / अधिकृत विक्रेता से एम् पी इ-प्रोक्योरमेंट सिस्टम के तहत निविदा आमंत्रित की जाती हैं जो की www.mpeproc.gov.in से डाउनलोड की जा सकती है, इसके अतिरिक्त विश्वविद्यालय की वेबसाइट www.jiwaji.edu पर भी देखी जा सकती है

निविदा प्रपत्र समस्त टर्म्स कंडीशन्स एवं तकनीकी विवरण सहित इ-प्रोक्योरमेंट वेबसाइट पर Rs. 5000.00 की ऑनलाइन टेंडर फीस जमा करने पर डाउनलोड की जा सकती है

टीप

1. ऑनलाइन निविदा प्रपत्र क्रय करने की अंतिम तिथि १७.१०.२०१६ सायं ५.०० बजे तक है
2. ऑनलाइन बिड डालने का दिनांक १८.१०.२०१६ सायं ५.०० बजे तक है
3. धरोहर राशि एवं अन्य दस्तावेज स्पीड पोस्ट / कूरियर / आवक के द्वारा जीवाजी विश्वविद्यालय स्टोर में सायं ५.०० बजे तक प्राप्त की जाएगी
4. ऑनलाइन बिड खुलने का दिनांक २०.१०.२०१६ निर्धारित है
5. निविदा के शेष समस्त जानकारी उपरोक्त दर्शायी गयी वेबसाइट्स पर देखी जा सकती है
6. कुलसचिव जीवाजी विश्वविद्यालय को बिना कोई कारण बताये निविदा स्वीकृत / अस्वीकृत / रद्दीकरण करने का अधिकार होगा




कुलसचिव

Annexure-1 (To be enclosed with the Technical Bid)

SOS In Environmental Chemistry, Jiwaji University, Gwalior

Tender No. JU/Env. Chem/2016-17

Date: 15.09.16

Name of the party:

To
The Registrar
Jiwaji University
Gwalior 474 011, MP, India

Dear Sir,

1. I/We hereby submit our online tender for the _____
2. I/We have gone through all terms and conditions of the tender documents before submitting the same.
3. I/We hereby agree to all the terms and conditions, stipulated by the Jiwaji University, in this connection including delivery, warranty, penalty, etc. Quotations for each item are being submitted under separate covers, and sheets and shall be considered on their face value.
4. I/We have noted that overwritten entries shall be deleted unless duly cut & re-written and initialed.
5. Tenders are duly signed (No thumb impression should be affixed)

NOTE: ALL TERMS & CONDITIONS SUCH AS TAXES ETC, HAS BEEN INDICATED IN THE ONLINE BID FAILING WHICH IT WILL BE PRESUMED THAT THE RATES ARE INCLUSIVE OF ALL TAXES AND OTHER TERMS AND CONDITIONS ARE ALSO AS PER YOUR REQUIREMENTS.

Yours faithfully,

Signature of Tender(s) with full Address.



(To be enclosed with the Technical Bid)

CHECK LIST FOR TERMS AND CONDITIONS

Check list for Terms and Conditions (To be filled by the bidder and submitted along with the technical bid)

1. Whether rates quoted included all taxes, customs clearance, i.e., FOR Gwalior _____
2. Whether rates are quoted as per tenders specifications _____
3. Authority letter from manufacturer/principal enclosed _____
4. Quotation being submitted directly by the manufacturer or authorized distributor _____
5. Proof of having filled IT Return for FY 2013-14, 2014-15 & 2015-16 attached

6. EMD is enclosed _____
7. Comprehensive Guarantee/Warranty period for three years _____
8. Copy of PAN Card and TIN no. enclosed _____

(SIGNATURE OF THE BIDDER WITH NAME & SEAL)



SOS In Environmental Chemistry, Jiwaji University, Gwalior

Name of work	: Supply of PC Controlled Multi channel Potentiostat Galvanostat with impedance measurement facility
Last Date for downloading of tender from mpeproc.gov.in	: 17.10.2016 up to 5.00 p.m.
Last date for submission of online bid	: 18.10.2016 up to 5.00 p.m.
Last date for submission of EMD and other documents	: 19.10.2016 up to 5.00 p.m.
e-bid Opening Date	: 20.10.2016
Tender Cost	:Rs 5000/- to be paid online through mpeproc.gov.in only
EMD	:Rs. 1,00,000/- in form of DD / FDR favouring Registrar, Jiwaji University payable at Gwalior

Tenders will be considered subject to following terms and conditions.

1. All tenders must be carefully accompanied by EMD for the specified amount for the item drawn in favor of the Registrar, Jiwaji University, Gwalior. Tenders received without earnest money will be liable to be rejected and may not be considered.
2. Proof of having filed Income Tax return for financial year 2013-14, 2014-15 & 2015-16
3. The rates quoted should be FOR Gwalior and the exact details of taxes should be given separately. The total FOR price shall be considered as the price of the equipment.

Signature of the Bidder with seal



4. This institution is exempted from payment of Central Excise duty in terms of Govt. Notification No. 1097-Central Excise dated 01.03.1997. Necessary copy to be provided by the University.
5. For imported equipments: The institution is registered with Department of Science and Industrial Research (DSIR) Govt. of India vide Government Notification No. TU/V/RG-CDE(56)/2009, dated 26.11.2009 and is exempted from payment of custom duty.
(Necessary certificate copy shall be provided by the University. The bidder shall be responsible for getting the consignment cleared and deliver the goods. The expenses on it should be included in the cost of the equipment)
6. The price should be FOR destination failing which the offer will be ignored.
7. The tenderer should quote their best willing price which should be firm for the period of 120 days from the due date of tender.
8. The minimum period of delivery of the material should be mentioned.
9. The quantities of each item to be purchased may vary according to actual requirement at the time of placing order.
10. If there is any DGS&D rate contract of Government approved rates then same should be quoted enclosing the copy of the rate contract.
11. The tender should avoid the use of vague terms such as "extra as applicable". Such tenders will be rejected.
12. Printed conditions on the back of the offer submitted will not be binding unless separately mentioned.

Signature of the Bidder with seal



13. Advance payment either direct or through bank will not be accepted in any case. As per rule, full payment will be made after receipt of material, inspection there of and after satisfactory installation and working of the entire equipment. LC is acceptable in case of imported equipments.
14. The successful tenderer, is required to submit Performance Bank Guarantee / FDR from the Nationalized Bank up to 10% of the total value of the order, which is refundable after expiry of warranty period. The penalty of half percent per week shall be imposed by the University, subject to a minimum of 10% for the delivery of the material. No interest shall be paid on the Security Deposit or Earnest Money. The EMD shall be returned to the unsuccessful bidders immediately after the Purchase Committee of the University takes a decision on the purchase.
15. The Tenders should have no extra charges for installation, etc. of the equipment.
16. Offers received not according to our terms and conditions within the time prescribed shall be rejected.
17. In all matters of dispute the decision of Registrar, Jiwaji University, Gwalior shall be final and binding on the tenderers.
18. In case of an authorized dealer, a copy of the current Certificate from Manufacturer must be attached as proof.
19. **Warranty:**All items supplied by the tenderer shall be guaranteed against any defect and the tenderer should provide time-to-time operational maintenance support for a period of 3 years, with 5 year Annual Maintenance Contract after expiry of warranty period. The said warranty should cover all Hardware items & Software. The warranty and service shall be provided directly from the manufacturer/service centre in India. Necessary guarantee certificate shall accompany the supplier. The tenderer shall be liable to rectify any defects that may be found in the equipment supplied free of cost.
20. If any of the dates of the receipt or opening the tender happen to be declared as holiday, the schedule will be shifted to the next working day automatically.
21. The tender is accepted online only in two bid system:
 - A. Technical Bid containing specifications of the equipment & terms and conditions of supply. No price should be mentioned along with duly filled tender document and all checklist documents
 - B. Financial Bid is to be submitted online only



Signature of the Bidder with seal

22. Canvassing for support in any form for the acceptance of any tender is strictly prohibited. Any tenderer doing so will render him liable to the penalties, which may include removing of his name from the register of approved supplier.
23. All the accessories are to be treated as one unit and separate tenders are not required for each accessory.
24. Any item or offer may increase in number or even might not be purchased without assigning any reason. Registrar, Jiwaji University, Gwalior reserves the right to accept or reject any or all tenders without assigning any reason there of.
25. The bidder shall forfeit the EMD if we find the bidder providing any false information and no further communication in this respect shall be entertained.




Registrar
Jiwaji University

I/We accept all the terms and conditions of the tender and understand that the decision of the University shall be final and acceptable to me/us.

Date

Signature and Seal of the Tenderer

Signature of the Bidder with seal

PC Controlled MultiChannelPotentiostatGalvanostat with Impedance measurement Facility

Multichannel System for upto 12 potentiostatgalvanostat in one single chassis. It should be possible to control all the channels through one PC or upto two PCs. System should have provision to add different modules with appropriate channels, such as QCM, Bipot,EIS and Multiplexer etc. Each channel should havefollowing specifications.

No of Channels: 2 nos with a capability to accommodate two modules at a time (each module dedicated with each channel) and should have the provision to upgrade in future with additional channels with appropriate modules at any given point of time as and when required.

Compliance voltage	: $\pm 20V$ or better
Current	: $\pm 400mA$ or better
Current Ranges	: 10 nA (without gain amplifier) to 100 mA or better, in 8 decades
Applied Potential	: $\pm 10V$ or better
Potentiostat Gain bandwidth	: 1 MHz or better
Bandwidth of electrometer	: > 4 MHz or better
Input Bias current	: < 1 pA or better
Resolution of measured potential	: $3 \mu V$ or Better
Resolution of measured current	: 0.0003% of current range
Resolution at 10 nA range	: 30 fA or better
Input impedance of electrometer	: > 100 GOhm // 8 pF
Potentiostat rise fall time	: < 300 nS or better
D/A Converter	: Three channel, 16 bit
IR Compensation	: Yes
Electrode Connection	: 4 (WE, S, CE and RE)
Interface to PC	: USB

EIS measurements: Impedance analyzer including hardware and software Facility to plot data in different formats such as

Nyquist plot, Bode plot, Admittance plot, Impedance V/s frequency plot, Epsilon plot, Impedance and Admittance V/potential, current, time plot. Cs V/s potential, current, time plot. Frequency range: 10 μ Hz to 30 MHz or better, Frequency

range in combination with PGSTAT : 10 μ Hz to 1 MHz, Frequency resolution: 0.003%, input range : +/- 10V, AC amplitude:

0.2 mV to 350 mV rms in potentiostatic and 0.0002 to 0.35 times current range in galvanostatic mode.

Software:

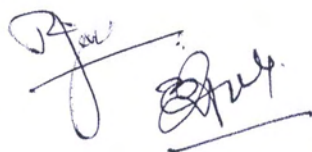
The Software to be provided with the potentiostat / galvanostat should be comprehensive, fully windows based with three dimensional view of graphics and analysis software. Software should record current, voltage and time for cyclic and linear

sweepvoltammetric measurement. It should be possible to record current, voltage and time data in tabular format for each

measuring point in voltammogram. Software should be capable of supporting a wide variety of electrochemical techniques

as mentioned below.

- Cyclic & Linear Sweep Voltammetry
- Linear Polarization
- Differential Pulse, Sampled DC & Square Wave Voltammetry
- Chrono - amperometry and chronopotentiometry ($\Delta t > 1$ ms)
- Standard procedures given above.
- Tutorials to help the user to familiarize with software
- Programming of different electrochemical methods and optional accessories
- Software Development Kit to control the PGStat using Labview™ Software.
- Comprehensive database structure & powerful data analysis tool.
- Inbuilt electrochemical spread sheet
- User programmable formulae to new plots.



Signature of the Bidder with seal



- Powerful graphic engine with useful features such as individual Axis scaling, overlays, multiple Y axes, plot addition, zooming and rotation.
- Each plot can be saved as an image file so as to use directly in paper or presentation.
- The software should have capability to display four plots simultaneously
- System should be supplied with Basic Electrochemical cell Set up (2 complete set) along with Cell vessel with lid, Gaspurging tube, 2mm Pt Disc Working electrode one each, Ag/AgCl Reference electrode, Pt wire counter electrode, corrosion cell, Bipot Array module with Rotating disc electrode.

Separate cost should be provided for additional channel and possible modules for future up gradation.

OTHER OPTIONAL ACCESSORIES: System should have facilities to add following hardware. This module should have the provision to fit easily in the instrument by swapping any one of the existing module as and when required, it should have following features.

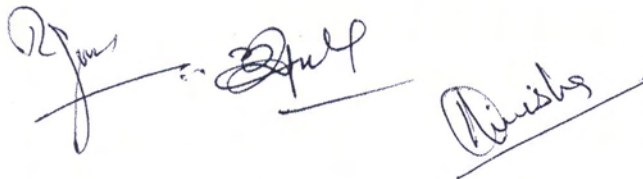
1. Module for pH & Temperature measurement: Input range : +/- 10V, measurement resolution : 0.3uV (gain 1000), measurement accuracy +/- 2mV, input impedance: > 1TOhm // 8pF, temperature accuracy : +/-0.5°C, temperature resolution : 0.015°C.

System should be upgradable with 10A booster in future with maximum current resolution of 0.0003%, compliance voltage :

+ 20V & maximum applied voltage : + 10V

Line by line compliance should be attached along with the offer with proper justified documents.

Signature of the Bidder with seal



(To be enclosed with the Technical Bid)

QUESTIONNAIRE TO BE FILLED BY THE BIDDER AND SUBMITTED ALONG WITH THE TECHNICAL BID

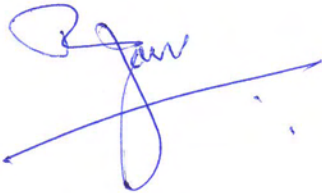
1	Reputed manufactures of equipment (specified in the tender notice) or their authorized agents with well established sales and services facilities only need to respond to the tender notice.	Confirm / do not confirm to requirement
2	In case the bidder is an authorized agent, documentary proof to this effect must be enclosed with the quotation.	Enclosed / not enclosed
3	The bidder must indicate whether he is willing to supply complete circuit diagram, wiring diagram component layout diagram, service manual and component identification catalogue along with the equipment free of charge in case an order is placed with him. The supply of this literature will be considered as part of supply of equipment offered.	Will be supplied/ Cannot supply
4.	Bidders are requested to carefully go through the specifications given in the tender and quote only when they are sure they have product specified to offer. In case of any doubt, the bidder can contact the Registrar, Jiwaji University, Gwalior on any working day with prior appointment.	Complied / not complied
5	Warranty details and terms and conditions of warranty must be given. If any component of the equipment quoted is not covered by the warranty, Then same must be specified.	Complied / not complied
6	Bidders must indicate whether he can arrange for comprehensive service training to staff of the instrumentation department on the model offered at his expense.	Yes / No
7	The bidder is agreeable to install and test the equipment and undertake after-sales-service only through a factory trained certified engineer.	Yes / No
8	List of existing user in India along with their contact details	Complied / not complied / not Applicable
9	PBG: In case the Purchase Order is placed, 10% of the equipment value has to be submitted in form of performance bank guarantee / FDR	Agreeable / Not agreeable

Note: Unless the questionnaire is completely filled in and detailed information provided as required, your offer is liable to be rejected.



Signature of the Bidder with seal

S. No.	Name of the item	Rate	Taxes and Duties if any	Nett Price
1.	P.C. Controlled Multichannel Potentiostat Galvanostat with Impedance Measurement Facility			



Signature of the Bidder