

**JAWAHARLAL NEHRU KRISHI VISHWA VIDYALAYA  
JABALPUR - 482 004 (M.P.)**

**E-Tender Document**

**Item No. 1**

**ITEM RATE TENDER**

**Tender No.: IPRO/DAC/PRAL/RKVY/2017-18/45      Dated: 18.09.2017**

**Supply of GLC**

**Cost of Tender Document: Rs. 1,000/-**

**EMD: Rs. 1,00,000/-**



**COLLEGE OF AGRICULTURE  
JAWAHARLAL NEHRU KRISHI VISHWA VIDYALAYA  
JABALPUR - 482 004 (M.P.)**

**PESTICIDE RESIDUE ANALYSIS LABORATORY**  
**COLLEGE OF AGRICULTURE**  
**JAWAHARLAL NEHRU KRISHI VISHWA VIDYALAYA**  
**JABALPUR - 482 004 (M.P.)**

**DETAILS OF MANUFACTURER/ BIDDER:**

<b>1.</b>	<b>Name &amp; full address of the Manufacturer</b>	<b>:</b>	
<b>2.</b>	<b>a) Telephone No.</b> <b>b) Fax No.</b> <b>c) E-mail</b>	<b>:</b> <b>:</b> <b>:</b>	
<b>3.</b>	<b>Location of the manufacturing factory</b>	<b>:</b>	
<b>4.</b>	<b>Name &amp; full address of the Bidder</b>	<b>:</b>	
	<b>a) Telephone/ Mobile No.</b> <b>b) Fax No.</b> <b>c) E-mail</b>	<b>:</b> <b>:</b> <b>:</b>	
	<b>PAN No.</b>	<b>:</b>	
	<b>TIN No.</b>	<b>:</b>	



**COLLEGE OF AGRICULTURE  
JAWAHARLAL NEHRU KRISHI VISHWA VIDYALAYA  
JABALPUR – 482 004 (M.P.)**

**E-Tender**

**Tender No.: IPRO/DAC/PRAL/RKVY/2017-18/45**

**Dated: 18.09.2017**

E-tender invited for the supply of GLC and its components required for Pesticide Residue Analysis Laboratory under RKVY Project from manufactures or their authorized dealers or agents. Documents are available on portal, [www.mpeproc.gov.in](http://www.mpeproc.gov.in) and information on [www.jnkvv.org](http://www.jnkvv.org). Purchase of on-line tender from 18<sup>th</sup> September, 2017, 10.30 am to 13<sup>th</sup> October, 2017 upto 11.55 pm. Pre-bid presentation on 3<sup>rd</sup> October, 2017, 10.30 am. Uploading of revised technical specifications (if required after pre - bid) on 6<sup>th</sup> October, 2017. Last date of submission of on-line tender is 14<sup>th</sup> October, 2017 upto 11.55 pm. Last date of submission of Technical Bid/ EMD/ Tender fees etc. to this Office is 24<sup>th</sup> October, 2017 upto 2.30 pm. Opening of Technical Bid on 24<sup>th</sup> October, 2017 at 3.00 pm and Financial Bid open on 2<sup>nd</sup> November, 2017 at 3.30 pm.

**Dean**

**College of Agriculture  
JNKVV, Jabalpur**

<b>Sl. No.</b>	<b>Name of the Item</b>	<b>FOR at (Installation Location)</b>	<b>Tender Document Cost (Rs.)</b>	<b>EMD (Rs.)</b>
1.	<b>GLC</b>	Jabalpur	1,000/-	1,00,000/-

The details of tender can also be viewed at [www.jnkvv.org](http://www.jnkvv.org). Please read and follow the instructions carefully to avoid the rejection of the tender. You are also requested to send your representatives, duly authorized in writing, to attend the Technical Evaluation and clarification regarding bids.

**Dean**

**College of Agriculture  
JNKVV, Jabalpur**

**For any technical support please contact tollfree number – 18002588684**

**For Quick Response Contact: Toll free No: 18002588684**

**Mail id: [eproc\\_helpdesk@mpsdc.gov.in](mailto:eproc_helpdesk@mpsdc.gov.in)**

**Support timings: Monday to Saturday from 10:00 AM to 7:00 PM**

**For Escalations/Complaints please contact: [eproc.esc@gmail.com](mailto:eproc.esc@gmail.com)**

**For Quick Response related to e - payment refund cases only,**

**Contact: 011 - 49424365**

**Mail ID: [mpepaymenthelpdesk@gmail.com](mailto:mpepaymenthelpdesk@gmail.com)**

**Support timings: Monday to Saturday from 9:00 AM to 6:00 PM**

## **SOLUTION PROVIDER**

**Tata Consultancy Services & Antares Systems Limited**

**e - mail ID : [eproc\\_helpdesk@mpsdc.gov.in](mailto:eproc_helpdesk@mpsdc.gov.in)**

**Toll free no. : 18002588684**

**MPSEDC Helpline Numbers: 08517936082, 07566660425, 08989685065**

**Any updation /modification/further call, if required and any other changes in respect of above tender will only be available on [www.jnkvv.org](http://www.jnkvv.org) and [www.mpeproc.nic.in](http://www.mpeproc.nic.in)**

**Please visit [www.mpeproc.gov.in](http://www.mpeproc.gov.in) and [www.jnkvv.org](http://www.jnkvv.org) for regular updates**

**JAWAHARLAL NEHRU KRISHI VISHWA VIDYALAYA  
JABALPUR - 482 004 (M.P.)**

**Tender No.: IPRO/DAC/PRAL/RKVY/2017-18/45**

**Dated: 18.09.2017**

**E-TENDER DOCUMENT**

**Important Dates**

Sl. No.	Vivekananda Hall, College of Agriculture, JNKVV, Jabalpur	Bidder's Stage	Start		Expiry		Envelopes
			Date	Time	Date	Time	
1.	--	Purchase of Tender – Online	18.09.2017	10:30 am	13.10.2017	11:55 pm	--
2.	--	Pre bid presentation	03.10.2017	10:30 am	--	--	--
3.	--	Uploading of revised technical specifications (if required after pre-bid)	06.10.2017	--	--	--	--
4.	--	Bid Submission – Online	--	--	14.10.2017	11:55 pm	--
5.	<b>Mandatory Submission (Envelop A) to Office of Dean, College of Agriculture JNKVV, Jabalpur</b>	--	--	--	24.10.2017	2:30 pm	--
6.	<b>Technical Bid Open (Envelope-A)</b>	--	--	--	24.10.2017	3:00 pm	A
7.	<b>Financial Bid Open (Envelope-B)</b>	--	02.11.2017	3:30 pm	--	--	B

# JAWAHARLAL NEHRU KRISHI VISHWA VIDYALAYA, JABALPUR

Tender No.: IPRO/DAC/PRAL/RKVY/2017-18/45

Dated: 18.09.2017

## Procedure for On-line Submission of Tender Document

The Tender for the above works are invited online. The following procedure will be adopted for online opening of the price bids.

### **DEPOSITING THE BIDS:**

The bids will be submitted through on-line mode of [www.mpeproc.gov.in](http://www.mpeproc.gov.in). However, certain documents would be required to be submitted physically to our office. Details are as follows:-

### **(A) On-line Submission on website [www.mpeproc.gov.in](http://www.mpeproc.gov.in):**

#### **STEP – I**

#### **Technical Bid / Mandatory Documents to be submitted on-line at [www.mpeproc.gov.in](http://www.mpeproc.gov.in)**

1. Covering letter of the participating firms (scanned copy in pdf format).
2. Certificate for acceptance of terms and conditions of tender enquiry on firms letterhead.
3. Check list properly filled-in (Annexure-I).
4. Original equipment manufacturer (OEM) certificate or authorized dealership/distributorship certificate as applicable.
5. Detailed technical write-up highlighting the model Name/ Number, features of the equipment offered and / or Technical literature/manuals.
6. Company profile along with detailed printed literature of each item or sub item quoted in the tender.
7. Compliance Certificate. Certificate of clause by clause compliance of specifications as mentioned in tender.
8. Client list/ List of users - List of Institutes / Organizations where same minimum one such work has been executed. Copy of the work order & completion certificate duly signed by the competent authority of the institute be enclosed.
9. Last 3 (three) years income tax return
10. PAN No. of the firm
11. TIN No. of the firm
12. Sales turnover of last three years
13. Firms/Business Registration documents.
14. Scanned Copy of EMD (or exemption proof, if exempted).
15. Tender Purchase Receipt

#### **STEP – II**

#### **Financial Bid to be submitted on-line at [www.mpeproc.gov.in](http://www.mpeproc.gov.in)**

Commercial/Price bid packet (on-line)

### **(B) Submission of Mandatory Documents at Office address:**

**STEP-III: Mandatory Document to be submitted by registered post/courier/personally at Office address at JNKVV, Jabalpur**

The documents listed above in **STEP-I** (all fifteen original documents - sealed and signed on each page) to be submitted (hard copy) in the **Technical Bid Envelope – “A” (separate for each item)** at the address given below before last date as mentioned in bid as given below.

1. **Covering letter** of the participating firms (scanned copy in pdf format)
2. **Certificate for acceptance** of terms and conditions of tender enquiry on firms letterhead.
3. **Check list** properly filled-in (Annexure-I).
4. Original equipment manufacturer (OEM) certificate or **authorized dealership/distributorship certificate** as applicable.
5. **Detailed technical write-up** highlighting the model Name/Number, features of the equipment offered and / or Technical literature/manuals.
6. **Company profile** along with detailed printed literature of each item or sub item quoted in the tender.
7. **Compliance Certificate**. Certificate of clause by clause compliance of specifications as mentioned in tender.
8. Client list/ **List of users** - List of Institutes / Organizations where same minimum one such work has been executed. Copy of the work order & completion certificate duly signed by the competent authority of the institute be enclosed.
9. **Last 3 (three) years income tax return**
10. **PAN No.** of the firm
11. **TIN No.** of the firm
12. **Sales turnover** of last three years
13. **Firms/Business Registration** documents.
14. **EMD** (or exemption proof, if exempted) – original.
15. **Tender Purchase Receipt**

**Technical Bid envelope-A** of all items separately will be opened before a committee constituted for the purpose. After verification, scrutiny and due recommendation of the committee, the financial bid of the eligible tenderer who have offered their rates in the price bid shall be opened on-line.

**Physical submission of documents to following address:**

**The Dean**

**College of Agriculture**

**(Attention: Head Soil Science & Agril. Chemistry)**

Jawaharlal Nehru Krishi Vishwa Vidyalaya

Krishi Nagar, Adhartal

Jabalpur-482 004 (M.P.), India

Phone ( Fax) : 0761-2681119

E-mail: [headsoilscience@gmail.com](mailto:headsoilscience@gmail.com)

**NOTE :**

- (i) *Tenderers are requested not to submit financial bid in any envelop. The price bid will be open only after due satisfaction of technical bid on-line.*
- (ii) *Tax extra if any must be shown separately in the specified column of financial bid.*

**General Terms and Conditions:**

1. Only the manufactures and their authorized distributors or dealers or agents need to submit their tender. The authorized dealers should furnish a certificate from the manufacturer for their dealership.
2. No person or firm shall submit more than one Tender for the same item. No offer should have more than one model quoted; in case of more than one alternate offer only the first option will only be considered.
3. It is mandatory to provide all the relevant information in **Annexure I**.
4. Broad-based specifications of equipment/items/systems/works etc. are given in **Annexure II**. The tenderer should also take note of the remarks, if any, given there in.
5. a. Tender can be **purchased on-line** from [www.mpeproc.gov.in](http://www.mpeproc.gov.in) – Start Date: **18.09.2017, 10.30 am to 13.10.2017, 11.55 pm.**
  - b. Pre bid presentation date: **03.10.2017, 10.30 am.**
  - c. Uploading of revised technical specifications (if required after pre bid): **06.10.2017.**
  - d. Bids can be **submitted on-line on [www.mpeproc.gov.in](http://www.mpeproc.gov.in) upto 14.10.2017, 11.55 pm.**
  - e. **Mandatory Submission (Envelope A)** containing all original documents as required for technical bid including original EMD must be submitted in sealed cover to the **DEAN, COLLEGE OF AGRICULTURE (ATTENTION: HEAD, SOIL SCIENCE & AGRICULTURAL CHEMISTRY), JNKVV, ADHARTAL, JABALPUR - 482 004** so as to reach on or before dated **24.10.2017, 2.30 pm.**
  - f. Belated tender due to postal or any other delay will be rejected.
  - g. **Technical Bids [Mandatory Submission (Envelope A)]** will be opened on **24.10.2017, 3.00 pm.**
  - h. **Financial Bids** of qualified bidders will be opened on **2.11.2017, 3.30 pm.**
  - i. The tender for each item should be sent separately. The main duly sealed envelope should super scribed **TENDER FOR THE ITEM No. \_\_\_\_\_ (NAME OF THE EQUIPMENT) DUE on.....FOR PRAL, SOIL SCIENCE & AGRICULTURAL CHEMISTRY DEPARTMENT.**
  - j. If offers for more than one item are clubbed together, tender will be rejected.
  - k. The tender offers should have a validity of 180 days or more from the due date. The tenders will be valid for 6 months from the date of opening.
  - l. J.N. Krishi Vishwa Vidyalaya reserves the right to extend the opening due date and or the date of opening the tenders.
  - m. All the leaflets in the offer should be original marked with signature and seal of authorized person.
6. The bidder should be a manufacturer who must have manufactured, tested and supplied in India, the equipment similar to the type specified. Bids of bidders quoting as authorized representative of a manufacturer, meeting with the above requirements in full, can also be considered, provided.
  - a. The manufacturer furnishes a legally enforceable authorization in the prescribed form, assuming full warranty and CMC obligations for the goods offered; and



- b. The bidder, as authorized representative, has supplied, installed and satisfactorily commissioned and provided after sales service for similar equipment in India during the last 10 years.
7.
  - a. The rates quoted should be for single complete unit with F.O.R. delivery at JNKVV, Jabalpur. The rates quoted should be inclusive of packing and forwarding charges/loading/unloading/handling charges/freight/full risk coverage insurance, etc. In case of imported goods all the expenses towards custom duty, clearing charges and transportation with insurance will be borne by the firm/tenderer and they must quote the rates FOR, JNKVV, Jabalpur. The rate should be quoted in Indian Rupees only.
  - b. Custom duty (with and without exemption certificate) and other levies, if any should be shown separately and the total price of each item should be worked out incorporating the same.
  - c. Any other charges, if any, should be shown separately for each item and each sub-item.
  - d. Prices for the main item and accessories only should be given separately. This is necessary to workout prices of a desired configuration.
8. The tender should be accompanied by detailed printed technical literature with specifications, make and model number of each item and each sub-item quoted in the tender. Specifications given in the offer must match to the website and/or authentic printed technical literature or better otherwise the offers shall be rejected.
9. All losses during transport will have to be borne by the tenderers.
10. The tenderers must provide original guarantee/warranty on manufacturer's letter head of satisfactory functioning of the equipment/system and free service including free replacement of parts for a period of at least **5 years** from the date of successful and satisfactory installation of the equipment/system.
11. It is mandatory to quote the latest model of said instrument for pesticide residue analysis. Quote should not be for refurbished instrument. The unit of the same model must have installed three or more units in India. Vendor must also furnish the purchase details of the said model.
12. Vendor shall be able to demonstrate sensitivity parameter and other features claimed at our laboratory with real sample. The extract of the sample can be obtained from this laboratory on publication of the tender. Along with that vendor needs to submit the performance data for the quoted model in support of specifications with the offer. The data may be generated by vendor's laboratory in India or abroad.
13. Two-year comprehensive warranty after installation followed by free three-year Comprehensive Maintenance Contract (CMC) is mandatory. Minimum three-visit of service engineer is required per annum. No expenditure (either for repairs and replacement of consumable and/or non-consumable parts and/or custom clearance) will be borne by us during warranty and CMC period, however required documents will be provided. All the supplied items should be covered under warranty and CMC period. Break down period should not exceed more than 10 days in any case.
14. The Supplier shall warrant that the Goods supplied under this Contract are new, unused, of the most recent or current models and those they incorporate all recent improvements in design and materials unless provided otherwise in the Contract. The Supplier shall further warrant that all Goods supplied under this Contract shall have no defect, arising from design, materials or workmanship or from any act or omission of the Supplier that may develop under normal use of the supplied Goods in conditions prevailing in the country of consignee destination. The Purchaser/consignee shall promptly notify the Supplier in writing of any claims arising under this warranty. "Upon receipt of such notice, the Supplier shall within 10 days repair or replace the defective goods or parts thereof, free of cost at the ultimate destination. The Supplier shall take over the replaced parts/goods at the time of their replacement. No claim whatsoever shall lie on the Purchaser for the replaced parts/goods thereafter. In the event of any correction of defects or replacement of defective material during the warranty period,

the warranty for the corrected/replaced material shall be extended to a further period of **twenty four (24) months**.

15. **Training:**

- a. Minimum four onsite application training after successful installation as and when required during first year.
- b. From second year onward, two onsite training per year (on demand) till the end of CMC period.
- c. Training for three persons at your advanced training centre.

16. On approval of the tender, security deposit (10 % of the basic cost of item including accessories) should be deposited in terms of FDR valid for the warranty period of 2 years from any Nationalized bank payable to **“Dean, College of Agriculture, JNKVV, Jabalpur”**. Security deposit will be returned after successful completion of warranty. The security deposit shall have to be submitted at the time of receiving the supply order and the respective EMD will be return.

17. In case of disputes, decision of Vice Chancellor, JNKVV, Jabalpur will be final and acceptable to all the parties.

18. Supplier should provide the list of items which are covered under consumables. The items not listed in the consumables would be considered as spare parts for the purpose of warranty obligation including replacement/repairs.

19. Quote the rates in INR for CMC for 1<sup>st</sup>, 2<sup>nd</sup> and 3<sup>rd</sup> year after five years of installation.

20. On approval of the tender supplier should make the agreement on the Rs. 100 stamp paper that aforesaid "Terms and Conditions" are agreeable to them. This should be signed and stamped in the presence of two witness and purchaser.

21. Software developed during warranty/CMC period should be provided latest version.

22. The instrument is supposed to be installed at new location when the planned one is under construction, then the supplier has to reinstall the instruments at free of cost at the newly planned location/building.

23. **Tender Document Cost:**

The details of tender document can be downloaded from website ([www.mpeproc.gov.in](http://www.mpeproc.gov.in)) and tender document cost only should be submitted on-line on the portal.

24. **EMD:**

The “**TechnicalBid**” of each item must be accompanied by **Earnest Money Deposit (EMD) as shown against each item in Annexure-II** in the form of Crossed Bank Draft/ Pay Order/ Banker’s/ Manager’s/ FDR/ TRD of any Nationalized Bank made in favour of **“DEAN, COLLEGE OF AGRICULTURE, JNKVV, Jabalpur”**. Without the earnest money in the above form, the offers will be rejected. The EMD in the form of **Firm’s Cheque will not be accepted and the offer will be rejected.**

25. **Payment Terms:**

- a. The standard terms and conditions of payment are in 40% against delivery, 50% after the successful installation, demonstration and training to the satisfaction of JNKVV authorities and remaining 10% after warranty period of two years.
- b. GST as applicable and HS code should be mentioned in tender.

26. Please quote maximum discounted price, as no further negotiations will be made.

27. Complimentary items/gifts offered will not be taken into account for calculating the cost of the item.

28. The offer must mention latest model and company must enclose original printed literature/catalogue/manufacturer's web-site showing detailed technical specifications required. A folder showing many instruments without detailed technical specification, or tailor made literature mentioning "yes" or "as per your specifications" for the specifications asked for, will not be considered. Specifications given in the offer must match to the website and / or printed technical literature otherwise the offer shall be rejected.
29. Firm must provide a compliance statement vis-à-vis specifications in a "tabular form" clearly stating the compliance, supported by technical literature with clear reference. This statement must be signed, with the company seal, by the Tenderer for its authenticity and acceptance that any incorrect or ambiguous information found submitted will result in disqualification of the offer.
30. Any deviation, variation of non-compliance of the terms and conditions by the tenders shall be considered as a breach of contract and JNKVV reserves the right to forfeit the amount of earnest money and/or security deposit in part or in full and take action as per legal arrangement.
31. Any judiciary matter shall be in Judiciary of Jabalpur only.
32. Tender will not be considered if the firm does not supply a copy of the TIN & PAN allotted to it. PAN of the owner or any other persons will not be accepted.
33. J.N. Krishi Vishwa Vidyalaya reserves the right to accept or reject any or all offers in full or in part without assigning any reason (s) therefore. It also reserves the right to place and order wholly or in part with one or more than one firm as they may be convenient to JNKVV.
34. The tenders shall have to give an undertaking that the terms and conditions as mentioned above in this tender are acceptable to the tenderers (in Annexure I).
35. After Pre bid no communication will be entertained from bidders.
36. Bidder must provide an affidavit on a non judicial stamp paper of Rs. 100/- stating that the bidder and principal are not black listed & with no legal imprisonment with regards to supply of the product.

#### **RATES OF COMPREHENSIVE MAINTANANCE CONTRACT FOR GLC**

<b>Particulars</b>	<b>Price (In Indian Rupees)</b>
First Year CMC (6 <sup>th</sup> year after installation)	
Second Year CMC (7 <sup>th</sup> year after installation)	
Third Year CMC (8 <sup>th</sup> year after installation)	

**DEAN**  
**COLLEGE OF AGRICULTURE**  
**JNKVV, Jabalpur**

Tender No.: IPRO/DAC/PRAL/RKVY/2017-18/45

Dated: 18.09.2017

**KEY DATES**

Sl. No.	Vivekananda Hall, College of Agriculture, JNKVV, Jabalpur	Bidder's Stage	Start		Expiry		Envelopes
			Date	Time	Date	Time	
1.	--	Purchase of Tender – Online	18.09.2017	10:30 am	13.10.2017	11:55 pm	--
2.	--	Pre bid presentation	03.10.2017	10:30 am	--	--	--
3.	--	Uploading of revised technical specifications (if required after pre-bid)	06.10.2017	--	--	--	--
4.	--	Bid Submission – Online	--	--	14.10.2017	11:55 pm	--
5.	<b>Mandatory Submission (Envelope A) to Office of Dean, College of Agriculture JNKVV, Jabalpur</b>	--	--	--	24.10.2017	2:30 pm	--
6.	<b>Technical Bid Open (Envelope-A)</b>	--	--	--	24.10.2017	3:00 pm	A
7.	<b>Financial Bid Open (Envelope-B)</b>	--	02.11.2017	3:30 pm	--	--	B

*Original term deposit receipt of earnest money deposit, demand draft for the cost of bid document and affidavit shall be submitted by the bidder so as to reach the office as prescribed in Bid Data Sheet at specified time and date i.e 24.10.2017, 2:30 pm at Office of Dean, College of Agriculture, JNKVV, Jabalpur.*

**DEAN, COLLEGE OF AGRICULTURE, JNKVV, JABALPUR**

**Tender No.: IPRO/DAC/PRAL/RKVY/2017-18/45**

**Dated: 18.09.2017**

**SUPPLEMENT / CHECK-LIST TO BE PROVIDED WITH TECHNICAL BID**

ITEM No. \_\_\_\_\_ NAME \_\_\_\_\_

<b>Sl. No.</b>	<b>Information required</b>	<b>Yes/No</b>	<b>Page No. in the Tender</b>
1.	Dully filled Tender Form along with the Technical Compliance statement (All the pages should be signed & initialed)		
2.	Crossed DD for Tender fee of `1,000/- (rupees one thousand only)		
3.	Make of main item		
4.	Model of main item		
5.	Name of manufacturer of Main Item		
6.	Country of origin of main item		
7.	Make and model of sub item I (if any)		
8.	Make and model of sub-item II (if any)		
9.	Make and model of sub-item III (if any)		
10.	Delivery within (days)		
11.	Payment terms		
12.	Order to be placed on		
13.	Guarantee/Warrantee		
14.	Installation Charges (if any)		
15.	Validity (at least 180 days)		
16.	Delivery charges(if any)		
17.	Insurance charges(if any)		
18.	Training charges (if any)		
19.	FOR: JNKVV, Jabalpur		
20.	List of current users in Madhya Pradesh/India with contact details (Attach, if any)		
21.	Certification of satisfactory working of the equipment (Attach, if any)		

22.	Company Certification (ISO, etc.)		
23.	Compliance of equipment with current directives of ISI / CE / EEC / US / EU or equivalent standards		
24.	Whether manufacturer / authorized distributor /dealer/ agent? (Attach certificate)		
25.	Technical literature/brochure of the system quoted in original (Attach, if any)		
26.	Earnest money deposit (EMD) of Rs. 1,00,000/- (rupees one lakh only) attached with financial bid (DD No., Bankers name, date etc.)		
27.	Situations of Authorized service centres/ service personals etc.		
28.	List of items which are covered under consumables		
29.	Rates of additional Comprehensive Maintenance Contract (After 5 <sup>th</sup> year of installation)		
30.	Performance data of real sample		
31.	Relevant documents such as ITCC, ST registration shop Act. establishment certificate, factory registration etc. (Enlist)		
32.	TIN and PAN allotted (Attach a copy, if any)		
33.	Any other relevant information		

### **DECLARATION**

The terms and conditions as mentioned in the tender are acceptable to us.

Signature of Tenderer

## DEAN, COLLEGE OF AGRICULTURE, JNKVV, JABALPUR

Tender No.: IPRO/DAC/PRAL/RKVY/2017-18/45

Dated: 18.09.2017

**Item and Specifications****Item No. 1: GLC System**

(In case more than one model / combination is quoted, attach separate compliance sheets for each. *Please provide all the relevant document of the technical specifications and technical compliance statement.*)

All items required for the full-fledged function of an advanced, high sensitive GLC system, including all software, accessories and supporting instruments as outlined below are to be quoted.

**Against each point** in the technical specification, compliance must be marked as **YES / NO**

**A. Gas Liquid Chromatograph (GLC)**

**Latest model** of GLC equipped with ECD Ni<sup>63</sup> and FPD, two injectors, essential accessories, licensed operating software etc. with specifications as per the **Annexure-II**.

Quoted Model: \_\_\_\_\_

	<b>Required Technical Specifications</b>	<b>Complying? (Yes/No)</b>	<b>Remarks</b>
<b>A. Gas Liquid Chromatograph</b>			
<i>Interface</i>			
i.	The GLC must feature an external color touch screen/ keypad with display to provide easy accessibility to the GLC and immediate interactions with it.		
ii.	The touch screen/ keypad with display of the GLC provides all needed data, including all temperature and pressure/ flow parameters, type of carrier gas, carrier gas column pressure, flow rates, split flow, detector gas flow rates and all detector parameters.		
iii.	A routine automatic leak checks procedure.		
iv.	A routine automatic column evaluation procedure and storing the column pneumatic resistance.		
v.	The system should be capable of calculating the carrier gas linear velocity and the column void time.		
<i>Oven</i>			
i.	The column oven should have an operating range from ambient to 450 °C.		
ii.	Fast heat-up and cool-down time.		
iii.	The oven temperature stability is within 0.01 °C/ every °C of actual temperature.		
iv.	<b>Oven Ramps / Plateaus cool down</b> <ul style="list-style-type: none"> <li>• It should have enough number of ramps/plateaus.</li> <li>• The maximum heating rate should be 80 °C/ min or better.</li> </ul>		

v.	<b>GLC Analytical Performance</b> <ul style="list-style-type: none"> <li>The GLC should have a Retention Time Repeatability of 0.008 min or better.</li> <li>The Peak Area Repeatability should be 0.5 % RSD or better.</li> </ul>		
<b><i>Injector (Split/ splitless)</i></b>			
i.	The Split/ Splitless injector should be user-installable.		
ii.	The injector should be able to operate with narrow bore capillary, normal capillary and wide bore and columns.		
iii.	The injector should be quoted along with fully compatible Head Space System having 30 vials capacity or above.		
iv.	The injector should permits <i>large volume splitless</i> injection (up to 100 microliters) without requiring pressure pulse to quantitatively recover the whole sample, and without any further hardware requirement.		
v.	The injector should allow timed closure/ opening of the purge line.		
vi.	Maximum temperature should be $\geq 400^{\circ}\text{C}$ .		
vii.	Optimum Split Ratio for pesticide residue analysis.		
<b><i>Detectors (ECD and FPD)</i></b>			
i.	The instrument design must allow the user for an easy interchangeability of the detectors.		
ii.	The GLC must have complete integrated control of all parameters (no external control module).		
<b><i>a. Electron Capture Detector (1 No.)</i></b>			
i.	Radioactive Source: 370 MBq equal to 10 mCi, $^{63}\text{Ni}$ / 50 mCi, $^{63}\text{Ni}$ .		
ii.	MDL: $\geq 6$ fg/s lindane.		
iii.	Linear Dynamic Range: $\geq 10^4$ with lindane.		
iv.	Maximum temperature: $\geq 400^{\circ}\text{C}$ in $0.1^{\circ}\text{C}$ steps.		
v.	Integrated Electronic Controls of the following gases are part of the detector module: 0 to 500 mL/ min make up; Make-up Gas: Nitrogen or 95% argon/ 5% methane.		
<b><i>b. Flame Photometric Detector (1 No.)</i></b>			
i.	Latest FPD with P and S filter for pesticide residue analysis.		
<b><i>Software-Licensed version</i></b>			
i.	Latest user-friendly software for complete control and data acquisition from GLC. Must comply 17025 requirements.		
ii.	It should be able to collect data from both detectors simultaneously.		
iii.	It should be upgradable to control additional GLCs in future.		
iv.	It should have all routine chromatography functionalities like full GLC parameter setting, viewing chromatogram, Calculations based on % area, Area Normalization, External Standard, Internal Standard etc., Viewing of calibration curves, addition and subtraction of chromatograms, S/N ratio etc. The software should comply NABL standards.		
<b><i>Auto sampler</i></b>			
i.	The GLC should be supplied with at least 100 vial auto samplers capable of injecting in both injectors of GLC.		
ii.	It should be capable of Large Volume Injection and Cold on Column Injection and it should be fully controlled by GLC software.		



<b>B. Basic Accessories</b>				
i.	Online UPS (Emerson/ Uniline/ Sheron/ Microtek make), 10 KVA capacity with 26 SMF Exide-batteries, each of 12V, 100AH, with castor mounted rack for batteries.	01 Unit		
ii.	Data Station for GLC (Dell/ Toshiba/ Lenovo) with latest configuration, compatible with software, LaserJet printer and two external USB Hard-Disks, each of 1TB for data storage.	01 Unit		
iii.	Filled Gas Cylinders (45 L water capacity) of N <sub>2</sub> gas, Helium, Argon and Air with four S.S. double stage regulators.	01 Unit each		
<b>C. Essential Accessories</b>				
i.	Pre col 0.32 mm x 5 mt with attachments	01 No.		
ii.	N <sub>2</sub> gas filter	01 No.		
iii.	Oxytrap	01 No.		
iv.	Septa for GC	100 Nos.		
v.	Syringes: 1µL and 10 µL	01 No. each		
vi.	2 ml vials and caps for auto sampler	100 Nos.		
vii.	Vials & other requirement for Head Space	100 Nos.		
viii.	Graphite Ferrules for Capillary columns of 0.25 and 0.32 mm id	01 No. each		
ix.	Glass Liners for Split and Splitless injections	01 No. each		
x.	Capillary Columns: 30 m x 0.25 mm id x Film 0.25 µ, Phase-5 MS (J & W make): Prefer Cu	01 No.		
xi.	Solid Phase Extractor (with Vacuum Pump)	01 Unit		
xii.	Solid Phase Extraction Micro column	100 Nos.		
<b>NOTE: PREFERENCE WILL BE GIVEN TO THE VENDOR CAPABLE OF SUPPLYING COMPLETE PACKAGE OF GLC AND SPARES AS WELL AS ESSENTIAL ACCESSORIES.</b>				
<b><u>To be enclosed with price bio.... Individually for each items.</u></b>				
<b>Terms and Conditions:</b>				
FOR	JNKVV, Jabalpur			
Mode of Payment				
Validity period				
Delivery period				
Warranty				
EMD (Rs.)				
Tender Fee (Rs.)				
<b>Papers / Documents:</b>				
Printed Brochure				
Valid Authorization Certificate				
Users' List				

### **Declaration by the Bidder**

It is hereby declared that the details given above are correct as pertaining to the quoted model, and all data and reports required for substantiation of technical claims have been submitted.

SIGNATURE OF TENDERER  
SEAL OF THE COMPANY

**JAWAHARLAL NEHRU KRISHI VISHWA VIDYALAYA  
JABALPUR - 482 004 (M.P.)**

**E-Tender Document**

**Item No. 2**

**ITEM RATE TENDER**

**Tender No.: IPRO/DAC/PRAL/RKVY/2017-18/45**

**Dated: 18.09.2017**

**Supply of LC MS/MS**

**Cost of Tender Document: Rs. 1,000/-**

**EMD: Rs. 4,00,000/-**



**COLLEGE OF AGRICULTURE  
JAWAHARLAL NEHRU KRISHI VISHWA VIDYALAYA  
JABALPUR - 482 004 (M.P.)**

**PESTICIDE RESIDUE ANALYSIS LABORATORY**  
**COLLEGE OF AGRICULTURE**  
**JAWAHARLAL NEHRU KRISHI VISHWA VIDYALAYA**  
**JABALPUR - 482 004 (M.P.)**

**DETAILS OF MANUFACTURER/ BIDDER:**

<b>1.</b>	<b>Name &amp; full address of the Manufacturer</b>	<b>:</b>	
<b>2.</b>	<b>d) Telephone No.</b> <b>e) Fax No.</b> <b>f) E-mail</b>	<b>:</b> <b>:</b> <b>:</b>	
<b>3.</b>	<b>Location of the manufacturing factory</b>	<b>:</b>	
<b>4.</b>	<b>Name &amp; full address of the Bidder</b>	<b>:</b>	
	<b>d) Telephone/ Mobile No.</b> <b>e) Fax No.</b> <b>f) E-mail</b>	<b>:</b> <b>:</b> <b>:</b>	
	<b>PAN No.</b>	<b>:</b>	
	<b>TIN No.</b>	<b>:</b>	



**COLLEGE OF AGRICULTURE  
JAWAHARLAL NEHRU KRISHI VISHWA VIDYALAYA  
JABALPUR – 482 004 (M.P.)**

**E-Tender**

**Tender No.: IPRO/DAC/PRAL/RKVY/2017-18/45**

**Dated: 18.09.2017**

E-tender invited for the supply of LC MS/MS and its components required for Pesticide Residue Analysis Laboratory under RKVY Project from manufactures or their authorized dealers or agents. Documents are available on portal, [www.mpeproc.gov.in](http://www.mpeproc.gov.in) and information on [www.jnkvv.org](http://www.jnkvv.org). Purchase of on-line tender from 18<sup>th</sup> September, 2017, 10.30 am to 13<sup>th</sup> October, 2017 upto 11.55 pm. Pre-bid presentation on 3<sup>rd</sup> October, 2017, 10.30 am. Uploading of revised technical specifications (if required after pre - bid) on 6<sup>th</sup> October, 2017. Last date of submission of on-line tender is 14<sup>th</sup> October, 2017 upto 11.55 pm. Last date of submission of Technical Bid/ EMD/ Tender fees etc. to this Office is 24<sup>th</sup> October, 2017 upto 2.30 pm. Opening of Technical Bid on 24<sup>th</sup> October, 2017 at 3.00 pm and Financial Bid open on 2<sup>nd</sup> November, 2017 at 3.30 pm.

**Dean  
College of Agriculture  
JNKVV, Jabalpur**

Sl. No.	Name of the Item	FOR at (Installation Location)	Tender Document Cost (Rs.)	EMD (Rs.)
1.	<b>LC MS/MS (LC and Mass Spectrometer should be from the same make)</b> High sensitive LC-MS/MS with PDA, Data-station with computer and printer, operating software, etc with specifications (Annexure-II) and all essential accessories and spares to run the instrument.	Jabalpur	1,000/-	4,00,000/-

The details of tender can also be viewed at [www.jnkvv.org](http://www.jnkvv.org). Please read and follow the instructions carefully to avoid the rejection of the tender. You are also requested to send your representatives, duly authorized in writing, to attend the Technical Evaluation and clarification regarding bids.

**Dean  
College of Agriculture  
JNKVV, Jabalpur**

**For any technical support please contact tollfree number – 18002588684**

**For Quick Response Contact: Toll free No: 18002588684**

**Mail id: [eproc\\_helpdesk@mpsdc.gov.in](mailto:eproc_helpdesk@mpsdc.gov.in)**

**Support timings: Monday to Saturday from 10:00 AM to 7:00 PM**

**For Escalations/Complaints please contact: [eproc.esc@gmail.com](mailto:eproc.esc@gmail.com)**

**For Quick Response related to e - payment refund cases only,**

**Contact: 011 - 49424365**

**Mail ID: [mpepaymenthelpdesk@gmail.com](mailto:mpepaymenthelpdesk@gmail.com)**

**Support timings: Monday to Saturday from 9:00 AM to 6:00 PM**

## **SOLUTION PROVIDER**

**Tata Consultancy Services & Antares Systems Limited**

**e - mail ID : [eproc\\_helpdesk@mpsdc.gov.in](mailto:eproc_helpdesk@mpsdc.gov.in)**

**Toll free no. : 18002588684**

**MPSEDC Helpline Numbers: 08517936082, 07566660425, 08989685065**

**Any updation /modification/further call, if required and any other changes in respect of above tender will only be available on [www.jnkvv.org](http://www.jnkvv.org) and [www.mpeproc.nic.in](http://www.mpeproc.nic.in)**

**Please visit [www.mpeproc.gov.in](http://www.mpeproc.gov.in) and [www.jnkvv.org](http://www.jnkvv.org) for regular updates**

**JAWAHARLAL NEHRU KRISHI VISHWA VIDYALAYA  
JABALPUR - 482 004 (M.P.)**

**Tender No.: IPRO/DAC/PRAL/RKVY/2017-18/45**

**Dated: 18.09.2017**

**E-TENDER DOCUMENT**

**Important Dates**

Sl. No.	Vivekananda Hall, College of Agriculture, JNKVV, Jabalpur	Bidder's Stage	Start		Expiry		Envelopes
			Date	Time	Date	Time	
1.	--	Purchase of Tender – Online	18.09.2017	10:30 am	13.10.2017	11:55 pm	--
2.	--	Pre bid presentation	03.10.2017	10:30 am	--	--	--
3.	--	Uploading of revised technical specifications (if required after pre-bid)	06.10.2017	--	--	--	--
4.	--	Bid Submission – Online	--	--	14.10.2017	11:55 pm	--
5.	<b>Mandatory Submission (Envelop A) to Office of Dean, College of Agriculture JNKVV, Jabalpur</b>	--	--	--	24.10.2017	2:30 pm	--
6.	<b>Technical Bid Open (Envelope-A)</b>	--	--	--	24.10.2017	3:00 pm	A
7.	<b>Financial Bid Open (Envelope-B)</b>	--	02.11.2017	3:30 pm	--	--	B

**Tender No.: IPRO/DAC/PRAL/RKVY/2017-18/45**

**Dated: 18.09.2017**

**Procedure for On-line Submission of Tender Document**

The Tender for the above works are invited online. The following procedure will be adopted for online opening of the price bids.

**DEPOSITING THE BIDS:**

The bids will be submitted through on-line mode of [www.mpeproc.gov.in](http://www.mpeproc.gov.in). However, certain documents would be required to be submitted physically to our office. Details are as follows:-

**(A) On-line Submission on website [www.mpeproc.gov.in](http://www.mpeproc.gov.in):**

**STEP – I**

**Technical Bid / Mandatory Documents to be submitted on-line at [www.mpeproc.gov.in](http://www.mpeproc.gov.in)**

16. Covering letter of the participating firms (scanned copy in pdf format).
17. Certificate for acceptance of terms and conditions of tender enquiry on firms letterhead.
18. Check list properly filled-in (Annexure-I).
19. Original equipment manufacturer (OEM) certificate or authorized dealership/distributorship certificate as applicable.
20. Detailed technical write-up highlighting the model Name/ Number, features of the equipment offered and / or Technical literature/manuals.
21. Company profile along with detailed printed literature of each item or sub item quoted in the tender.
22. Compliance Certificate. Certificate of clause by clause compliance of specifications as mentioned in tender.
23. Client list/ List of users - List of Institutes / Organizations where same minimum one such work has been executed. Copy of the work order & completion certificate duly signed by the competent authority of the institute be enclosed.
24. Last 3 (three) years income tax return
25. PAN No. of the firm
26. TIN No. of the firm
27. Sales turnover of last three years
28. Firms/Business Registration documents.
29. Scanned Copy of EMD (or exemption proof, if exempted).
30. Tender Purchase Receipt

**STEP – II**

**Financial Bid to be submitted on-line at [www.mpeproc.gov.in](http://www.mpeproc.gov.in)**

**Commercial/Price bid packet (on-line)**

**(B) Submission of Mandatory Documents at Office address:**

**STEP-III: Mandatory Document to be submitted by registered post/courier/personally at Office address at JNKVV, Jabalpur**

The documents listed above in **STEP-I** (all fifteen original documents - sealed and signed on each page) to be submitted (hard copy) in the **Technical Bid Envelope – “A” (separate for each item)** at the address given below before last date as mentioned in bid as given below.



16. **Covering letter** of the participating firms (scanned copy in pdf format)
17. **Certificate for acceptance** of terms and conditions of tender enquiry on firms letterhead.
18. **Check list** properly filled-in (Annexure-I).
19. Original equipment manufacturer (OEM) certificate or **authorized dealership/distributorship certificate** as applicable.
20. **Detailed technical write-up** highlighting the model Name/Number, features of the equipment offered and / or Technical literature/manuals.
21. **Company profile** along with detailed printed literature of each item or sub item quoted in the tender.
22. **Compliance Certificate**. Certificate of clause by clause compliance of specifications as mentioned in tender.
23. Client list/ **List of users** - List of Institutes / Organizations where same minimum one such work has been executed. Copy of the work order & completion certificate duly signed by the competent authority of the institute be enclosed.
24. **Last 3 (three) years income tax return**
25. **PAN No.** of the firm
26. **TIN No.** of the firm
27. **Sales turnover** of last three years
28. **Firms/Business Registration** documents.
29. **EMD** (or exemption proof, if exempted) – original.
30. **Tender Purchase Receipt**

**Technical Bid envelope-A** of all items separately will be opened before a committee constituted for the purpose. After verification, scrutiny and due recommendation of the committee, the financial bid of the eligible tenderer who have offered their rates in the price bid shall be opened on-line.

**Physical submission of documents to following address:**

**The Dean**  
**College of Agriculture**  
**(Attention: Head Soil Science & Agril. Chemistry)**  
Jawaharlal Nehru Krishi Vishwa Vidyalaya  
Krishi Nagar, Adhartal  
Jabalpur-482 004 (M.P.), India  
Phone ( Fax) : 0761-2681119  
E-mail: [headsoilscience@gmail.com](mailto:headsoilscience@gmail.com)

**NOTE :**

- (iii) *Tenderers are requested not to submit financial bid in any envelop. The price bid will be open only after due satisfaction of technical bid on-line.*
- (iv) *Tax extra if any must be shown separately in the specified column of financial bid.*

**General Terms and Conditions:**

7. Only the manufactures and their authorized distributors or dealers or agents need to submit their tender. The authorized dealers should furnish a certificate from the manufacturer for their dealership.
8. No person or firm shall submit more than one Tender for the same item. No offer should have more than one model quoted; in case of more than one alternate offer only the first option will only be considered.
9. It is mandatory to provide all the relevant information in **Annexure I**.
10. Broad-based specifications of equipment/items/systems/works etc. are given in **Annexure II**. The tenderer should also take note of the remarks, if any, given there in.
11. a. Tender can be **purchased on-line** from [www.mpeproc.gov.in](http://www.mpeproc.gov.in) – Start Date: **18.09.2017, 10.30 am to 13.10.2017, 11.55 pm.**
  - b. Pre bid presentation date: **03.10.2017, 10.30 am.**
  - c. Uploading of revised technical specifications (if required after pre bid): **06.10.2017.**
  - d. Bids can be **submitted on-line on [www.mpeproc.gov.in](http://www.mpeproc.gov.in) upto 14.10.2017, 11.55 pm.**
  - e. **Mandatory Submission (Envelope A)** containing all original documents as required for technical bid including original EMD must be submitted in sealed cover to the **DEAN, COLLEGE OF AGRICULTURE (ATTENTION: HEAD, SOIL SCIENCE & AGRICULTURAL CHEMISTRY), JNKVV, ADHARTAL, JABALPUR - 482 004** so as to reach on or before dated **24.10.2017, 2.30 pm.**
  - f. Belated tender due to postal or any other delay will be rejected.
  - g. **Technical Bids [Mandatory Submission (Envelope A)]** will be opened on **24.10.2017, 3.00 pm.**
  - h. **Financial Bids** of qualified bidders will be opened on **2.11.2017, 3.30 pm.**
  - i. The tender for each item should be sent separately. The main duly sealed envelope should super scribed **TENDER FOR THE ITEM No. \_\_\_\_\_ (NAME OF THE EQUIPMENT) DUE on.....FOR PRAL, SOIL SCIENCE & AGRICULTURAL CHEMISTRY DEPARTMENT.**
  - j. If offers for more than one item are clubbed together, tender will be rejected.
  - k. The tender offers should have a validity of 180 days or more from the due date. The tenders will be valid for 6 months from the date of opening.
  - l. J.N. Krishi Vishwa Vidyalaya reserves the right to extend the opening due date and or the date of opening the tenders.
  - m. All the leaflets in the offer should be original marked with signature and seal of authorized person.
12. The bidder should be a manufacturer who must have manufactured, tested and supplied in India, the equipment similar to the type specified. Bids of bidders quoting as authorized representative of a manufacturer, meeting with the above requirements in full, can also be considered, provided.
  - a. The manufacturer furnishes a legally enforceable authorization in the prescribed form, assuming full warranty and CMC obligations for the goods offered; and

- b. The bidder, as authorized representative, has supplied, installed and satisfactorily commissioned and provided after sales service for similar equipment in India during the last 10 years.
7.
  - a. The rates quoted should be for single complete unit with F.O.R. delivery at JNKVV, Jabalpur. The rates quoted should be inclusive of packing and forwarding charges/loading/unloading/handling charges/freight/full risk coverage insurance, etc. In case of imported goods all the expenses towards custom duty, clearing charges and transportation with insurance will be borne by the firm/tenderer and they must quote the rates FOR, JNKVV, Jabalpur. The rate should be quoted in Indian Rupees only.
  - b. Custom duty (with and without exemption certificate) and other levies, if any should be shown separately and the total price of each item should be worked out incorporating the same.
  - c. Any other charges, if any, should be shown separately for each item and each sub-item.
  - d. Prices for the main item and accessories only should be given separately. This is necessary to workout prices of a desired configuration.
8. The tender should be accompanied by detailed printed technical literature with specifications, make and model number of each item and each sub-item quoted in the tender. Specifications given in the offer must match to the website and/or authentic printed technical literature or better otherwise the offers shall be rejected.
9. All losses during transport will have to be borne by the tenderers.
10. The tenderers must provide original guarantee/warranty on manufacturer's letter head of satisfactory functioning of the equipment/system and free service including free replacement of parts for a period of at least **5 years** from the date of successful and satisfactory installation of the equipment/system.
11. It is mandatory to quote the latest model of said instrument for pesticide residue analysis. Quote should not be for refurbished instrument. The unit of the same model must have installed three or more units in India. Vendor must also furnish the purchase details of the said model.
12. Vendor shall be able to demonstrate sensitivity parameter and other features claimed at our laboratory with real sample. The extract of the sample can be obtained from this laboratory on publication of the tender. Along with that vendor needs to submit the performance data for the quoted model in support of specifications with the offer. The data may be generated by vendor's laboratory in India or abroad.
13. Two-year comprehensive warranty after installation followed by free three-year Comprehensive Maintenance Contract (CMC) is mandatory. Minimum three-visit of service engineer is required per annum. No expenditure (either for repairs and replacement of consumable and/or non-consumable parts and/or custom clearance) will be borne by us during warranty and CMC period, however required documents will be provided. All the supplied items should be covered under warranty and CMC period. Break down period should not exceed more than 10 days in any case.
14. The Supplier shall warrant that the Goods supplied under this Contract are new, unused, of the most recent or current models and those they incorporate all recent improvements in design and materials unless provided otherwise in the Contract. The Supplier shall further warrant that all Goods supplied under this Contract shall have no defect, arising from design, materials or workmanship or from any act or omission of the Supplier that may develop under normal use of the supplied Goods in conditions prevailing in the country of consignee destination. The Purchaser/consignee shall promptly notify the Supplier in writing of any claims arising under this warranty. "Upon receipt of such notice, the Supplier shall within 10 days repair or replace the defective goods or parts thereof, free of cost at the ultimate destination. The Supplier shall take over the replaced parts/goods at the time of their replacement. No claim whatsoever shall lie on the Purchaser for the replaced parts/goods thereafter. In the event of any correction of defects or replacement of defective material during the warranty period,

the warranty for the corrected/replaced material shall be extended to a further period of **twenty four (24) months**.

15. **Training:**

- a. Minimum four onsite application training after successful installation as and when required during first year.
- b. From second year onward, two onsite training per year (on demand) till the end of CMC period.
- c. Training for three persons at your advanced training centre.

16. On approval of the tender, security deposit (10 % of the basic cost of item including accessories) should be deposited in terms of FDR valid for the warranty period of 2 years from any Nationalized bank payable to **“Dean, College of Agriculture, JNKVV, Jabalpur”**. Security deposit will be returned after successful completion of warranty. The security deposit shall have to be submitted at the time of receiving the supply order and the respective EMD will be return.

23. In case of disputes, decision of Vice Chancellor, JNKVV, Jabalpur will be final and acceptable to all the parties.

24. Supplier should provide the list of items which are covered under consumables. The items not listed in the consumables would be considered as spare parts for the purpose of warranty obligation including replacement/repairs.

25. Quote the rates in INR for CMC for 1<sup>st</sup>, 2<sup>nd</sup> and 3<sup>rd</sup> year after five years of installation.

26. On approval of the tender supplier should make the agreement on the Rs. 100 stamp paper that aforesaid "Terms and Conditions" are agreeable to them. This should be signed and stamped in the presence of two witness and purchaser.

27. Software developed during warranty/CMC period should be provided latest version.

28. The instrument is supposed to be installed at new location when the planned one is under construction, then the supplier has to reinstall the instruments at free of cost at the newly planned location/building.

23. **Tender Document Cost:**

The details of tender document can be downloaded from website ([www.mpeproc.gov.in](http://www.mpeproc.gov.in)) and tender document cost only should be submitted on-line on the portal.

24. **EMD:**

The “**TechnicalBid**” of each item must be accompanied by **Earnest Money Deposit (EMD) as shown against each item in Annexure-II** in the form of Crossed Bank Draft/ Pay Order/ Banker’s/ Manager’s/ FDR/ TRD of any Nationalized Bank made in favour of **“DEAN, COLLEGE OF AGRICULTURE, JNKVV, Jabalpur”**. Without the earnest money in the above form, the offers will be rejected. The EMD in the form of **Firm’s Cheque will not be accepted and the offer will be rejected**.

25. **Payment Terms:**

- a. The standard terms and conditions of payment are in 40% against delivery, 50% after the successful installation, demonstration and training to the satisfaction of JNKVV authorities and remaining 10% after warranty period of two years.
- b. GST as applicable and HS code should be mentioned in tender.

26. Please quote maximum discounted price, as no further negotiations will be made.

27. Complimentary items/gifts offered will not be taken into account for calculating the cost of the item.

28. The offer must mention latest model and company must enclose original printed literature/catalogue/manufacturer's web-site showing detailed technical specifications required. A folder showing many instruments without detailed technical specification, or tailor made literature mentioning "yes" or "as per your specifications" for the specifications asked for, will not be considered. Specifications given in the offer must match to the website and / or printed technical literature otherwise the offer shall be rejected.
29. Firm must provide a compliance statement vis-à-vis specifications in a "tabular form" clearly stating the compliance, supported by technical literature with clear reference. This statement must be signed, with the company seal, by the Tenderer for its authenticity and acceptance that any incorrect or ambiguous information found submitted will result in disqualification of the offer.
30. Any deviation, variation of non-compliance of the terms and conditions by the tenders shall be considered as a breach of contract and JNKVV reserves the right to forfeit the amount of earnest money and/or security deposit in part or in full and take action as per legal arrangement.
31. Any judiciary matter shall be in Judiciary of Jabalpur only.
32. Tender will not be considered if the firm does not supply a copy of the TIN & PAN allotted to it. PAN of the owner or any other persons will not be accepted.
33. J.N. Krishi Vishwa Vidyalaya reserves the right to accept or reject any or all offers in full or in part without assigning any reason (s) therefore. It also reserves the right to place and order wholly or in part with one or more than one firm as they may be convenient to JNKVV.
34. The tenders shall have to give an undertaking that the terms and conditions as mentioned above in this tender are acceptable to the tenderers (in Annexure I).
35. After Pre bid no communication will be entertained from bidders.
36. Bidder must provide an affidavit on a non judicial stamp paper of Rs. 100/- stating that the bidder and principal are not black listed & with no legal imprisonment with regards to supply of the product.

#### **RATES OF COMPREHENSIVE MAINTANANCE CONTRACT FOR LC MS/MS**

<b>Particulars</b>	<b>Price (In Indian Rupees)</b>
First Year CMC (6 <sup>th</sup> year after installation)	
Second Year CMC (7 <sup>th</sup> year after installation)	
Third Year CMC (8 <sup>th</sup> year after installation)	

**DEAN**  
**COLLEGE OF AGRICULTURE**  
**JNKVV, Jabalpur**

Tender No.: IPRO/DAC/PRAL/RKVY/2017-18/45

Dated: 18.09.2017

**KEY DATES**

Sl. No.	Vivekananda Hall, College of Agriculture, JNKVV, Jabalpur	Bidder's Stage	Start		Expiry		Envelopes
			Date	Time	Date	Time	
1.	--	Purchase of Tender – Online	18.09.2017	10:30 am	13.10.2017	11:55 pm	--
2.	--	Pre bid presentation	03.10.2017	10:30 am	--	--	--
3.	--	Uploading of revised technical specifications (if required after pre-bid)	06.10.2017	--	--	--	--
4.	--	Bid Submission – Online	--	--	14.10.2017	11:55 pm	--
5.	<b>Mandatory Submission (Envelope A) to Office of Dean, College of Agriculture JNKVV, Jabalpur</b>	--	--	--	24.10.2017	2:30 pm	--
6.	<b>Technical Bid Open (Envelope-A)</b>	--	--	--	24.10.2017	3:00 pm	A
7.	<b>Financial Bid Open (Envelope-B)</b>	--	02.11.2017	3:30 pm	--	--	B

*Original term deposit receipt of earnest money deposit, demand draft for the cost of bid document and affidavit shall be submitted by the bidder so as to reach the office as prescribed in Bid Data Sheet at specified time and date i.e 24.10.2017, 2:30 pm at Office of Dean, College of Agriculture, JNKVV, Jabalpur.*

**DEAN, COLLEGE OF AGRICULTURE, JNKVV, JABALPUR**

**Tender No.: IPRO/DAC/PRAL/RKVY/2017-18/45**

**Dated: 18.09.2017**

**SUPPLEMENT / CHECK-LIST TO BE PROVIDED WITH TECHNICAL BID**

ITEM No. \_\_\_\_\_ NAME \_\_\_\_\_

<b>Sl. No.</b>	<b>Information required</b>	<b>Yes/No</b>	<b>Page No. in the Tender</b>
1.	Dully filled Tender Form along with the Technical Compliance statement (All the pages should be signed & initialed)		
2.	Crossed DD for Tender fee of `1,000/- (rupees one thousand only)		
3.	Make of main item		
4.	Model of main item		
5.	Name of manufacturer of Main Item		
6.	Country of origin of main item		
7.	Make and model of sub item I (if any)		
8.	Make and model of sub-item II (if any)		
9.	Make and model of sub-item III (if any)		
10.	Delivery within (days)		
11.	Payment terms		
12.	Order to be placed on		
13.	Guarantee/Warrantee		
14.	Installation Charges (if any)		
15.	Validity (at least 180 days)		
16.	Delivery charges(if any)		
17.	Insurance charges(if any)		
18.	Training charges (if any)		
19.	FOR: JNKVV, Jabalpur		
20.	List of current users in Madhya Pradesh/India with contact details (Attach, if any)		
21.	Certification of satisfactory working of the equipment (Attach, if any)		

22.	Company Certification (ISO, etc.)		
23.	Compliance of equipment with current directives of ISI / CE / EEC / US / EU or equivalent standards		
24.	Whether manufacturer / authorized distributor /dealer/ agent? (Attach certificate)		
25.	Technical literature/brochure of the system quoted in original (Attach, if any)		
26.	Earnest money deposit (EMD) of Rs. 4,00,000/- (rupees four lakh only) attached with financial bid (DD No., Bankers name, date etc.)		
27.	Situations of Authorized service centres/ service personals etc.		
28.	List of items which are covered under consumables		
29.	Rates of additional Comprehensive Maintenance Contract (After 5 <sup>th</sup> year of installation)		
30.	Performance data of real sample		
31.	Relevant documents such as ITCC, ST registration shop Act. establishment certificate, factory registration etc. (Enlist)		
32.	TIN and PAN allotted (Attach a copy, if any)		
33.	Any other relevant information		

### **DECLARATION**

The terms and conditions as mentioned in the tender are acceptable to us.

Signature of Tenderer



## DEAN, COLLEGE OF AGRICULTURE, JNKVV, JABALPUR

Tender No.: IPRO/DAC/PRAL/RKVY/2017-18/45

Dated: 18.09.2017

**Item and Specifications****Item No. 2: LC MS/MS System**

(In case more than one model / combination is quoted, attach separate compliance sheets for each. *Please provide all the relevant document of the technical specifications and technical compliance statement.*)

All items required for the full-fledged function of an advanced, high sensitive LC MS/MS system, including all software, accessories and supporting instruments as outlined below are to be quoted.

**Against each point** in the technical specification, compliance must be marked as **YES / NO**

**A. High Performance Liquid Chromatography System**

(*High pressure quaternary gradient pumping system, PDA, auto sampler, column oven should be offered.*)

Quoted Model: \_\_\_\_\_

	<b>Required Technical Specifications</b>	<b>Complying? (Yes/No)</b>	<b>Remarks</b>
<b><i>Pump with quaternary gradient</i></b>			
i.	Quaternary gradient pump with 1 to 4 solvents integrated with inbuilt high efficiency degassing units, minimum 4 lines with facility for auto-sampler rinsing and improved gas flow stability.		
ii.	Purging of pumps through same software.		
iii.	Pressure tolerance of at least 15,000 psi at 1 mL/min or better should be offered.		
iv.	System should have a handling capacity for pH 2 to 12 for various solvents and buffers.		
v.	Flow rate should be 0.01 to 2.0 mL/min or better in 0.001 mL increments with accuracy $\pm 1.0\%$ and precision with 0.075% or better at 1mL/min.		
vi.	Mobile phase reservoir system to accommodate four bottles each of 0.5 L.		
vii.	Safety functions like leak sensor, high pressure and low pressure limits.		

	<b>Required Technical Specifications</b>	<b>Complying? (Yes/No)</b>	<b>Remarks</b>
<b><i>Auto-Sample Injector with Sample Cooler</i></b>			
i.	Automated operation controllable through MS/MS Software.		
ii.	Automated auto-sampler purging through software.		
iii.	Injection volume range below 0.5 $\mu$ L to 200 $\mu$ L with accuracy of $\pm 0.1\%$ .		
iv.	Temperature range should be 4 to 40 $^{\circ}$ C in 1 $^{\circ}$ C increments with accuracy of $\pm 0.5$ $^{\circ}$ C.		
v.	Precision should be < 0.5% and carryover should be 0.005% or better from previous injection.		
vi.	Minimum sample capacity should be 96 in 2 Nos. (2 mL vial holder) and 384-microtiter plate (1 No.).		
vii.	High speed injection system is preferable.		
<b><i>Column Compartment</i></b>			
i.	The temperature range should be 5 $^{\circ}$ C to 90 $^{\circ}$ C, settable in 1 $^{\circ}$ C increments with temperature controller.		
ii.	Temperature accuracy should be $\pm 0.1$ $^{\circ}$ C and stability should be $\pm 0.5$ $^{\circ}$ C or better.		
iii.	It should be able to handle column length up to 250 mm or 4 columns of length up to 150 mm within the oven.		
iv.	Safety functions like leak sensor, high temperature cut-off.		
<b><i>PDA</i></b>			
i.	Wave length range 190-800 nm		
ii.	Slit resolution 1.2 nm		
iii.	Wavelength accuracy $\pm 1$ nm		
iv.	Drift $1.0 \times 10^{-3}$ AU/h or less		

## **B. Mass Spectrometer System**

*(A state-of-the-art, high sensitivity Triple Quadrupole with suitable mechanisms for qualitative and quantitative analysis with calibration, auto tuning facility.)*

Quoted Model: \_\_\_\_\_

1. a) Whether the quoted model has minimum 5 successful installation excluding manufacturers / suppliers own laboratories, completed in all respect and in running condition in India . **YES/NO**
- b) Please specify the number.

2. a) Whether the manufacturer have application laboratory in India with installation of the quoted model, in order to provide required application support. **YES/NO**
- b) If Yes Specify the address.

	<b>Required Technical Specifications</b>	<b>Complying? (Yes/No)</b>	<b>Remarks</b>
<b><i>Mass Analyzer</i></b>			
i.	Mass range should be from m/z 2 to 2000 amu or better.		
ii.	The mass stability should be 0.1 Da over 24 hours or better.		
iii.	The scan speed should not be less than 15,000 amu/sec. Higher scan speed is preferred.		
iv.	500 MRM data points per second with no loss in sensitivity for co-eluting components at any one point of time.		
v.	The polarity switching time should be less than 25 m sec. Lower Switching time is preferred.		
vi.	Dwell time and pause time must be below 2 millisecond.		
vii.	Mass Resolution should be 0.7 Da or lower. In high resolution mode; resolution must be 0.5 Da or lower.		
viii.	<p><b>Sensitivity in raw unsmooth data</b></p> <p>a. <u>ESI Positive</u>: 1 pg reserpine, S/N <math>\geq</math> 200,000:1 (RMS) or better based on 1<math>\mu</math>L injection without smoothing data.</p> <p>b. <u>ESI negative</u>: 1 pg chloramphenicol, S/N <math>\geq</math> 100,000:1 (RMS) or better without smoothing data based on 1<math>\mu</math>L injection.</p> <p><i>(Documentary Proof to be provided for both the above.)</i></p>		
viii.	Scan mode: Full scan, SIM, Product ion scan, Precursor ion scan, Neutral loss/ gain scan and Multiple Reaction Monitoring. Multiple time segmented MRM. Automated tuning.		
<b><i>Ion Source</i></b>			
i.	It should include dual mode ESI, APCI and simultaneous ESI and APCI with multimode ionization source. It should be easy to change the source without the use of sophisticated tools. The cleaning and		

	maintenance of ion source and desolvation line should be simple without breaking the vacuum.		
ii.	Specially designed collision cell allowing less dwell time. Suitable for high sensitivity MRM studies. Should be free of cross talk.		
iii.	The interface between HPLC and Mass Spectrometer should be capable of handling large batches of samples with complex matrices over a long period of time. Desolvation temperature should be 400 °C or more.		
<b><i>Vacuum System</i></b>			
i.	Efficient vacuum system with minimum maintenance. The system should have vacuum safety features to prevent damage to the instrument in case of failure.		
<b><i>Detector</i></b>			
i.	The detector having high photo multiplier tube should be off-axis.		
ii.	It must operate both +ve and -ve ion mode. It should be able to save the data of both modes in parallel.		
<b><i>Gas Generator/ Gas Cylinders</i></b>			
i.	Suitable filled gas cylinders (with test certificates), regulators, gas pipes with fittings and purifier for the system.		
ii.	Gas generator should be portable and highly durable, have low noise, vibration free, drying system and auto drain valve with inbuilt compressor.		
iii.	Gas generator should be able to supply all the gases required for the LC-MS/MS instrument at required purity, pressure and flow rate.		

**C. Data Station with Software System (with MS Library )**

*(PC with latest configuration and licensed operating system)*

Data Station Quoted Model: \_\_\_\_\_

Software Name for system (*Latest Version*): \_\_\_\_\_

	<b>Required Technical Specifications</b>	<b>Complying? (Yes/No)</b>	<b>Remarks</b>
i.	PC with latest configuration and licensed operating system (At least I7 Processor, Intel Original M/B, 2 TB HDD, 24" LED monitor, DVD R/WR, 8 GB DDR3		

	RAM, graphic card etc.) with color laser printer. An additional 48" UHD screen with two-way cable for dual display of chromatograms.		
ii.	Single software platform must be provided for a seamless control of all the modules of LC and MS.		
iii.	The software must be able to perform 'Automatic Optimization of MRM' using flow injection mode.		
iv.	MRM database (Library) for minimum 500 pesticides and their metabolites should be provided.		
v.	Also latest original company licensed software should have capabilities to perform the following functions. a. Automated calibration and quantitative optimization. b. Perform alternating positive/negative scans in one run. c. Automated quantitation and reporting of acquired samples. Should also quote data processing with Automation based review on peak shouldering, interference etc. The available MRM catalogues or tables containing the optimized instrument parameters for thousands of compounds can also be used to save the time with method development. User friendly software compatible with latest operating system. New versions developed during Warranty and CMC period should be provided free of cost.		

#### D. Essential Accessories

(Essential accessories for run the system)

	Required Technical Specifications	Complying? (Yes/No)	Remarks
<b>Online UPS and Generator</b>			
i.	Online UPS Emerson make, 15.0 KVA capacity with branded batteries, castor mounted rack for batteries. Entire instrument along with gas generator should be able to run on UPS for at least 5 hrs back up.		
ii.	30 KVA Generator (sound free)		
<b>Laptop with Printer and Cloud Network Storage</b>			
i.	Dell / Lenovo make Laptop with 5 <sup>th</sup> /6 <sup>th</sup> Generation I7 Processor, 8 GB RAM, 2 GB Graphics Card, 1 TB HDD, OS: Win 10 License, 15.6" LED Screen, etc.		
ii.	Canon image CLASS LBP6230dn Laser Printer		
iii.	Netgear RN31400 with cloud setting – Ready NAS 300 Series 4- Bay, 2 x 4TB HDD (NAS supported).		

<b>Table &amp; Chairs</b>			
i.	Vibration free granite-top table to accommodate LC MS/MS & data Station equipped with electric plugs/ switches. Best quality revolving chairs (two Nos.) for routine operation of LC MS/MS.		
<b>Dehumidifier</b>			
i.	Portable Dehumidifier		
ii.	Capacity: Minimum 20 Litres/ day Water Tank: 4 L and other accessories, Coverage Area: Minimum 225 Sq. Ft.		
<b>Sonicator</b>			
	Should accommodate four bottles each of 500 mL capacity with heating provision.		

### E. Spares/ Accessories

*(Essential spares/ accessories for run the instruments)*

	<b>Required Technical Specifications</b>		<b>Complying? (Yes/No)</b>	<b>Remarks</b>
a)	<b>Column (Water's make with details)</b>		-	-
	i. RP C-18, 1.7 $\mu$ , 100 mm $\times$ 2.1 mm	01 No.		
	ii. RP C-18, 1.7 $\mu$ , 50 mm $\times$ 2.1 mm	01 No.		
b)	Auto-sampler needle	01 No.		
c)	Vials with cap having pre-slit septa, 2 mL capacity	100 Nos.		
d)	Inline filter/ Fit	100 Nos.		
e)	Gas filter	01 No.		
f)	Oil free vacuum pump	01 No.		
g)	Capillary for ESI and APCI, desolvation line	01 No.		
h)	ESI O-ring	01 No.		
i)	<b>Guard Column</b>			
	i. C-18 guard columns suitable for the column asked and	01 No.		
	ii. C-18 guard columns 1.7 $\mu$ m columns from the same supplier as the columns, should be provided. In case of replaceable cartridge-type guard columns two separate cartridge holders are also to be supplied.	01 No.		
j)	Pump seal	05 Nos.		
k)	Filtering assembly with suitable vacuum pump.	1 set		
	0.22 $\mu$ Millipore-filter paper disc	01 pack (100 Nos.)		

l)	Lint free tissues	01 box		
m)	Swab	100 Nos.		
n)	PVDF syringe filter, 0.22 $\mu$	100 Nos.		
o)	Tubing	1 set		
p)	Tool kit	1 set		
q)	Mixture of min 500 pesticides and their metabolites to match the MRM data base with supplied software for scanning and Quantitation (Standards Aldrich).	10 mL of 10 ppm conc.		
r)	PSA used for QuEChERS sample preparation for pesticide residue analysis.	01 kg		
s)	Hemilton syringe (1 $\mu$ L and 10 $\mu$ L)	01 No. each		
t)	Membrane and filter system (0.22 $\mu$ m & 0.40 $\mu$ m)	100 Nos. each		
u)	Syringe membrane filtration kit	01 No.		
v)	<p><b>Water Bath</b></p> <p>Inner tank and lid made of stainless steel (SS-304 grade).</p> <p>Outer chamber should made of Mild Steel duly powder coated.</p> <p>Provided with removable concentric rings of 75 mm hole. No of holes 12</p> <p>Thermal loss should be prevented by filling mineral wool (Insulation).</p> <p>In space between the outer body &amp; stainless steel tank.</p> <p>Should have drain plug for easy cleaning.</p> <p>Heating should be by immersion heaters 1KW.</p> <p>Temperature range ambient to 100 <math>^{\circ}</math>C controlled with hydraulic type capillary thermostat.</p> <p>Temperature accuracy +/- 1<math>^{\circ}</math>C.</p> <p>Operating Voltage: 220 Volts AC (50 Hz).</p> <p>Capacity: 8 liters.</p> <p>Heater Protection by stainless steel perforated cover Stainless steel lid.</p>	01 Unit		
w)	<p><b>Double Distillation Unit</b></p> <p>Water Distillation Unit - Double Unit should have mild steel powder coated main body support as well as borosilicate glass that provides for durable usage support.</p> <p>1 KW each of heater load and ceramic with spiral element based heater</p>	01 Unit		

	<p>material options.</p> <p>Should have features like Quartz / Silica Glass based heating tube and 3.5 litre/hr based double distillation unit output.</p> <p>System comprising all glass table top horizontal model.</p> <p>System should have designed to deliver automatic, double distillation output.</p> <p>Unit come mounted on metal stand.</p> <p>Quartz glass based heater tube.</p> <p>Presence of low water cut off device for operations safety.</p> <p>Comes complete with glass parts electric supply 220/230 v ac, 50/ 60hz</p>			
x)	<p><b>Ultra Pure Water Purification Unit</b></p> <p>Rate of production shall be more than 7 litres per hour at 25 °C and upgradeable.</p> <p>It shall have only one thin film composite RO membrane to deliver the required flow rate.</p> <p>Dispensing Rate shall be 1 litre per minute.</p> <p>Resistivity shall be 18.2 MΩ.cm @ 25 °C.</p> <p>Conductivity shall be 0.055 μS/cm @ 25 °C.</p> <p>TOC shall be 1-3 ppb.</p> <p>Bacteria shall be less than 1 CFU per ml.</p> <p>pH shall be effectively neutral.</p> <p>It shall be comprised with pre-treatment, single RO module, dual wavelength UV, deionization and 0.2μ filtration in a single unit.</p> <p><b>Features</b></p> <p>Main purification unit shall be followed with compact pre-filtration system.</p> <p>It shall have built in encapsulated 10 &amp; 5 micron and Activated carbon filter to avoid cleaning and easy replacement.</p> <p>It shall have low and high pressure switches, diaphragm pump with pressure gauges for monitoring and feed to RO system.</p> <p>Entire prefiltration system shall be incorporated in a closed cabinet with an easy replacement of cartridges.</p>	01 Unit		



	<p>PF system shall be floor, bench or wall mounted.</p> <p>The water purification system shall be able to re-circulate water around internally through a wraparound docking reservoir and the integrated purification technologies.</p> <p>System shall have full user microprocessor controls and alarms on water quality and RS 232 interface for GLP compliance.</p> <p>System shall have consumables change reminder facility.</p> <p>The system shall have the facility to upgrade to higher flow rates.</p> <p>The system shall have the facility to auto rinse and should be able to sanitized using an automated sanitization program.</p> <p>The water purification system shall have full audio visual alarms and PIN Coded access to software set points.</p> <p>The system shall have automatic warnings.</p> <p>Main unit shall deliver ultrapure water (Type I) directly from tap water, and should be possible to draw Type-III water from integrated reservoir.</p>			
y)	<p><b>Vacuum Evaporator With Chillier</b></p> <p>Height Adjustment: 155 mm. Manual lift.</p> <p>Condenser: Vertical / Diagonal</p> <p>Rotation speed rpm: 20-320rpm</p> <p>Suitable for 50ml to 5000ml evaporating flask</p> <p>One (single) piece vapour tube.</p> <p>Integrated Combi-Clip (Clamp) for evaporation flask.</p> <p>Rotation speed setting: LED display</p> <p>Rotation speed drive: Electronic speed control</p> <p>Heating capacity :1300 W</p> <p>Direct control of vacuum through vacuum controller</p> <p>Sealing Ring: PTFE with 5 years warranty</p> <p>Material heating bath : SS 316</p> <p><b>Vacuum Pump with Controller specifications</b></p> <p>Outstanding chemical resistance &amp; superior vapour tolerance.</p>	01 Unit		

	<p>High Performance even at low vacuum levels.  Optimized vacuum even with gas ballast.  Whisper quiet and low vibration  Long Diaphragm life, maintenance free drive system  Ultimate vacuum: 7-9 mbar  Power Input: 180 watts  Max back pressure: 1 bar  Max pumping speed: 2.0 m<sup>3</sup>/h  Vacuum Pipe  Noise level: 45 Dba  Can set up vacuum value according to solvent boiling point</p> <p><b>Chillier Specifications</b></p> <p>Temperature Range: -20 °C to ambient with a temperature stability of +/- 1 °C  Cooling capacity 1000 watt  Pump pressure max. : bar 0.35 bar  Bath volume: 4.5 L  Pump Flow max. L/min : 18</p>			
z)	<p><b>Automated Solid Phase Extractor with Oil Free Pump</b></p> <p>System should be an automated supercritical fluid extraction (SFE) system and pilot scale systems.  The system should consists of a CO<sub>2</sub> pump, extraction vessel, a manual and an automated back pressure regulator, and fraction collection vessel.  Used liquid CO<sub>2</sub> as a main solvent  Extraction vessel for 100 ml  Finger light extraction vessel  System is fully control by software  CO<sub>2</sub> pump flow rate up to 50 g/min  Operating pressure up to 320 bar  CO<sub>2</sub> solvent pump is inbuilt in the system.  Fraction collection vessel high pressure with 100 ml capacity  System has the circulating bath and P C with preloaded software</p>	01 Unit		
aa)	<p><b>Refrigerated Centrifuge</b></p> <p>24 standard tube capacity with swinging bucket rotor.  8 x 50 ml conical tubes in swinging bucket rotor.  30 microtubes and spin columns with</p>	01 Unit		

	<p>30 x 2 fixed angle rotor 4 microplates in swinging bucket rotor. The flexibility to spin conical tubes and microplates in a swinging bucket rotor, as well as process microtubes in a fixed angle rotor. Must be supplied with 30 x 15 ml Conical tubes with more than 3,000 x g and fixed angle rotors 6 x 50 ml.</p> <p><b>Technical Specifications</b></p> <p>Max Speed : 14,000 rpm Max. RCF : 21,000 x g ; Drive : Maintenance free, frequency controlled spindle type, direct Brushless Induction drive; Low Profile motor. Control: Microprocessor controlled ; Display: Digital display for temp., speed , time &amp; RCF; Refrigerant &amp; insulation: CFC free ; Run time: 0-9 hrs 99 minutes, continuous operation; Built-in service diagnostic; Suitable for 230V, AC, 50 Hz.</p>			
ab)	<p><b>Hot Air Oven</b></p> <p><b>Hot Air Oven (Memmert Type with Digital Controller)</b></p> <p>Outer chamber is made of Mild Steel duly powder coated. Inner chamber made of ALUMINIUM or STAINLESS STEEL (304) sheet. Forced convection system by motor &amp; blowers fitted ensures good mixing, strong dispersion and maintains higher temp uniformity inside the chamber &amp; no cross contamination. Thermal loss is prevented by filling mineral wool (Insulation) in space between the outer body &amp; Inner chamber. Door Gasket fixed on the double walled door for proper sealing. Fitted with heavy hinges with a ball catcher, spring loaded door closing device. Door is duly insulated. Adjustable two ventilation slides control inner air /vapour circulation. Beaded heating elements made of high quality Nichrome/ Kanthal wire are placed in ribs, at bottom and sides for</p>	01 Unit		

	<p>uniform heat distribution.</p> <p>Inner chamber has ribs for placing the shelves at convenient levels. Supplied with 2 or 3 removable shelves.</p> <p>Temperature is controlled by electronic digital temperature indicator cum controller from 50 °C to 250 °C ± 1 °C fitted on the front panel for easy operations.</p> <p>Different programme functions can be designed for a wide variety of applications, and even when used.</p> <p>Temperature is displayed by Digital LED with SV and PV display at front of the oven.</p> <p>Front Panel is provided with ON/OFF switch, temperature controller and indicators</p> <p>Operating Voltage: 220 Volts AC (50 Hz).</p> <p>Internal Dimension (Wx D x H): 455 x 455x 455 mm.</p>			
ac)	<p><b>pH meter</b></p> <p>The equipment should be a microprocessor based pH meter with graphic display &amp; electrodes for measurement of pH.</p> <p>The equipment should have a graphic LCD screen.</p> <p>The equipment should have two sensor inputs, provision for analogue pH electrodes connection and intelligent pH electrodes connection. Should also have a socket to connect a Pt 1000 or NTC temperature sensor.</p> <p>The equipment should have the facility to perform pH calibrations using upto 5 different buffers. It should also have the automatic buffer recognition facility and the possibility to store the calibration data with the electrode identification.</p> <p>The equipment should have the facility to simultaneously display two pH, measured using the two electrode inputs and also the temperature.</p> <p>The pH meter provided should have the following Measurement Range:  pH Range: From -13.000 to + 20.000  Potential: From -1200 mV to + 1200 mV.  Temp Range: -150.0 °C to +250.0 °C</p>	01 Unit		

	<p>with Pt 1000.</p> <p><b>Resolution:</b></p> <p>pH: 0.001  mV: 0.1 mV  Temperature: 0.1 °C</p> <p>The equipment should have the memory for storing minimum 1000 measured values.</p> <p>The equipment should have an interface to connect PC or Printer.</p> <p>The equipment should have the provision to export result as excel or through LIMS. It should also have the provision to save the recorded data using suitable data management software.</p> <p>The equipment should have the facility to enter the sample ID for identification purpose.</p> <p>The equipment should have the date and time display.</p> <p>The equipment should have the user administration facility with user login possibility to monitor who has performed the determination.</p> <p>The equipment should have automatic monitoring of calibration intervals to check the calibration due of electrodes.</p> <p>The equipment should have a built in rechargeable battery, so that it can be used in the field also.</p> <p>The equipment should be provided along with all the necessary accessories required for pH measurement.</p>			
ad)	<p><b>Hot Plate</b></p> <p>Heating Plate with cast Iron Top: Having heating upto 350 °C. These plates should have insulated elements to work on 220 volts. AC fitted with energy regulator or thermostat  Size: 30 x 45 cms.</p>	01 Unit		
ae)	<p><b>Freeze Dryer</b></p> <p>The instrument should have ice condenser made with stainless steel coil inside the chamber to trap moisture.</p> <p>It should be compact bench top system.</p> <p>Performance should be 2.2 liter of water in 24 hr and ice holding</p>	01 Unit		

	<p>capacity at least 2.5 kg.</p> <p>The ice condenser temperature -50 °C or better with drain valve for disposal of defrosts material.</p> <p>Stain less steal chamber with minimum 12 port connections with individually controlled rubber valve suitable for flask, with connectors. Vender should quote Large mouth flask (No round flask), rubber top for easy clean and retrieval of sample in powder form along with stainless steel connectors.</p> <p>Electromagnetic pressure control for vacuum control.</p> <p>Should have vacuum break valve to prevent oil back streaming.</p> <p>It should have graphical and LCD display or only LCD for ice condenser, temperature and vacuum level and alarm message.</p> <p>Refrigeration system should be HCFC/CFC free.</p> <p>It should have automatic and manual startup.</p> <p>Moisture sensor to protect the vacuum pump.</p> <p>Instrument should be quoted for at least 1 year of comprehensive warranty and local support along with service engineer stationed nearby.</p> <p>Vacuum pump should be hybrid type chemical resistant combination of dry and oil pump and should have displacement capacity of more than 90 Liter per hour @ 50Hz and 230 Volts. Vacuum pump should be able to achieve around ultimate vacuum of 1.5 micron vacuum.</p> <p>Manufacturer should be ISO 9001, CE conformity marking. Vender should also provide silicon free vacuum grease along with system.</p> <p>Vender will quote all the related accessories such as flask of different capacity, along with SS 45 Degree bend adopter.</p>			
af)	<p><b>Shaking Incubator</b></p> <p>Orbital shaking Incubator should be triple walled Microprocessor controlled, solid-state table top model.</p>	01 Unit		

	<p>Outer chamber should be made of Mild steel duly pre-treated and powder coated paint.</p> <p>Inner chamber should be made of 304 grade Stainless Steel.</p> <p>Top cover should be made of acrylic sheet for monitoring of inner chamber specimen.</p> <p>Should be fitted with universal platform to accommodate interchangeable clamps for different capacity of flask.</p> <p>Should have High grade glass wool insulation between outer and inner chamber for minimal thermal losses</p> <p>Should have control panel fitted with microprocessor based PID digital temperature indicator cum controller, LED display.</p> <p>Inner platform size 550 x 550 MM</p> <p>Approx. Volume 200 liters.</p> <p>Temperature Range: 5 °C above ambient to 60 °C with resolution of 0.1 °C.</p> <p>Shaking motion should be by permanent magnet DC drive for continuous operation with shaking amplitude of 25 mm.</p> <p>Shaking speed 20 to 250 RPM</p> <p>Should have solid state electronic relay with protective heat sink.</p> <p>Air circulation should be by forced convection system.</p> <p>Operating voltage: 220 volts AC (50Hz).</p>			
ag)	<p><b>Uv- Vis Spectrophotometer</b></p> <p><b>Specifications:</b></p> <p>Real double beam UV Vis spectrometer-measurement of sample and reference signal exactly at the same moment</p> <p>Wavelength range from 190 to 1100 nm.</p> <p>Variable spectral bandwidth from 0.5 nm to 4 nm.</p> <p>Monochromator with imaging holographic grating Stray light</p>	01 Unit		

	<p>reduction.</p> <p>Internal holmium oxide filter for automatic wavelength calibration</p> <p>Minimized number of mirrors and fixed beamsplitter for better signal-to-noise ratio and best energy throughput.</p> <p>Quartz coated optics for protection and long term stability.</p> <p>Highly precise imaging conditions with aspheric optics</p> <p>High scanning speed 12000 nm/min or better.</p> <p>Pre-adjusted and voltage stabilized light sources, easy accessible, easy to change by a separated lamp cover.</p> <p>Automatic lamp changing can be programmed by the user and can easily be switched off through the software.</p> <p>Maximum lamp lifetime.</p> <p>Second cell position directly in front of the detector area for measuring turbid samples OR separate accessory for turbid samples should be offered.</p> <p>Large sample compartment with stable and reproducible mounting of all types of accessories.</p> <p>Easy use of different cell variants</p> <p>Photometric Display : to 8A</p> <p>Photometric range : -3A to 3A or better.</p> <p>Wavelength Accuracy : +/- 0.1 nm ( at 656 nm ) or better.</p> <p>Wavelength           Reproducibility:  <math>\leq 0.02</math> nm or better .</p> <p>Photometric Accuracy : <math>\leq 0.003A</math> (at 546 nm).</p> <p>Stray Light : <math>\leq 0.03</math> %T (KCl at 198 nm).</p> <p><math>\leq 0.03</math> %T (NaI at 220nm )</p> <p>Baseline Stability : &lt; 0.0001 RMS at 500 nm</p> <p>PC connection via USB</p> <p>Complete controlling of the spectrometer and the accessories by software.</p> <p>Windows 7/8/10 based compatible 32 Bit / 64 Bit software.</p> <p>Intuitive, multilingual software navigation, consisting of different modules for calculation of results</p>			
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	<p>and presentation.</p> <p>Large number of data handling and operation by tool bars</p> <p>Comprehensive method collection – includes a large selection of pre-programmed methods in several application fields.</p> <p>Automatic accessory recognition</p> <p>Self Check System (SCS) to checking main device parameters for trouble-free operation of the analysis system.</p> <p>Installation accessories : Branded PC to run the machine</p> <p>Online UPS 2 KVA with min backup 30 mins.</p>			
ah)	<p><b>Deep freeze:</b></p> <p>Size: 6 x 3 x 2.5 feet length, width and depth</p> <p>Size: 4 x 2 x 2.5 feet length, width and depth</p> <p>Supply with branded company</p> <p>Temperature maintain -20 °C to ambient temperature.</p>	01 Unit each		
ai)	<p><b>Refrigerator</b></p> <p>Branded company, capacity: 320 litre with double door</p>	04 Nos.		
aj)	<p><b>Fire Extinguisher</b></p> <p>Capacity 10 kg</p>	05 Nos.		

**NOTE: PREFERENCE WILL BE GIVEN TO THE VENDOR CAPABLE OF SUPPLYING COMPLETE PACKAGE OF LC MS/MS AND SPARES AS WELL AS ESSENTIAL ACCESSORIES.**

**To be enclosed with price bio.... Individually for each items.**

**Terms and Conditions:**

FOR	JNKVV, Jabalpur
Mode of Payment	
Validity period	
Delivery period	
Warranty	
EMD (Rs.)	
Tender Fee (Rs.)	
<b>Papers / Documents:</b>	
Printed Brochure	
Valid Authorization Certificate	
Users' List	

**Declaration by the Bidder**

It is hereby declared that the details given above are correct as pertaining to the quoted model, and all data and reports required for substantiation of technical claims have been submitted.

SIGNATURE OF TENDERER  
SEAL OF THE COMPANY

**JAWAHARLAL NEHRU KRISHI VISHWA VIDYALAYA  
JABALPUR - 482 004 (M.P.)**

**E-Tender Document**

**Item No. 3**

**ITEM RATE TENDER**

**Tender No.: IPRO/DAC/PRAL/RKVY/2017-18/45**

**Dated: 18.09.2017**

**Supply of GC MS/MS**

**Cost of Tender Document: Rs. 1,000/-**

**EMD: Rs. 3,00,000/-**



**COLLEGE OF AGRICULTURE  
JAWAHARLAL NEHRU KRISHI VISHWA VIDYALAYA  
JABALPUR - 482 004 (M.P.)**

**PESTICIDE RESIDUE ANALYSIS LABORATORY**  
**COLLEGE OF AGRICULTURE**  
**JAWAHARLAL NEHRU KRISHI VISHWA VIDYALAYA**  
**JABALPUR - 482 004 (M.P.)**

**DETAILS OF MANUFACTURER/ BIDDER:**

<b>1.</b>	<b>Name &amp; full address of the Manufacturer</b>	<b>:</b>	
<b>2.</b>	<b>g) Telephone No.</b> <b>h) Fax No.</b> <b>i) E-mail</b>	<b>:</b> <b>:</b> <b>:</b>	
<b>3.</b>	<b>Location of the manufacturing factory</b>	<b>:</b>	
<b>4.</b>	<b>Name &amp; full address of the Bidder</b>	<b>:</b>	
	<b>g) Telephone/ Mobile No.</b> <b>h) Fax No.</b> <b>i) E-mail</b>	<b>:</b> <b>:</b> <b>:</b>	
	<b>PAN No.</b>	<b>:</b>	
	<b>TIN No.</b>	<b>:</b>	



**COLLEGE OF AGRICULTURE**  
**JAWAHARLAL NEHRU KRISHI VISHWA VIDYALAYA JABALPUR**  
– 482 004 (M.P.)

**E-Tender**

**Tender No.: IPRO/DAC/PRAL/RKVY/2017-18/45**

**Dated: 18.09.2017**

E-tender invited for the supply of **GC MS/MS** and its components required for Pesticide Residue Analysis Laboratory under RKVY Project from manufactures or their authorized dealers or agents. Documents are available on portal, [www.mpeproc.gov.in](http://www.mpeproc.gov.in) and information on [www.jnkvv.org](http://www.jnkvv.org). Purchase of on-line tender from 18<sup>th</sup> September, 2017, 10.30 am to 13<sup>th</sup> October, 2017 upto 11.55 pm. Pre-bid presentation on 3<sup>rd</sup> October, 2017, 10.30 am. Uploading of revised technical specifications (if required after pre - bid) on 6<sup>th</sup> October, 2017. Last date of submission of on-line tender is 14<sup>th</sup> October, 2017 upto 11.55 pm. Last date of submission of Technical Bid/ EMD/ Tender fees etc. to this Office is 24<sup>th</sup> October, 2017 upto 2.30 pm. Opening of Technical Bid on 24<sup>th</sup> October, 2017 at 3.00 pm and Financial Bid open on 2<sup>nd</sup> November, 2017 at 3.30 pm.

**Dean**  
**College of Agriculture**  
**JNKVV, Jabalpur**

<b>Sl. No.</b>	<b>Name of the Item</b>	<b>FOR at (Installation Location)</b>	<b>Tender Document Cost (Rs.)</b>	<b>EMD (Rs.)</b>
1.	<b>GC MS/MS</b>	Jabalpur	1,000/-	3,00,000/-

The details of tender can also be viewed at [www.jnkvv.org](http://www.jnkvv.org). Please read and follow the instructions carefully to avoid the rejection of the tender. You are also requested to send your representatives, duly authorized in writing, to attend the Technical Evaluation and clarification regarding bids.

**Dean**  
**College of Agriculture**  
**JNKVV, Jabalpur**

**For any technical support please contact tollfree number – 18002588684**

**For Quick Response Contact: Toll free No: 18002588684**

**Mail id: [eproc\\_helpdesk@mpsdc.gov.in](mailto:eproc_helpdesk@mpsdc.gov.in)**

**Support timings: Monday to Saturday from 10:00 AM to 7:00 PM**

**For Escalations/Complaints please contact: [eproc.esc@gmail.com](mailto:eproc.esc@gmail.com)**

**For Quick Response related to e - payment refund cases only,**

**Contact: 011 - 49424365**

**Mail ID: [mpepaymenthelpdesk@gmail.com](mailto:mpepaymenthelpdesk@gmail.com)**

**Support timings: Monday to Saturday from 9:00 AM to 6:00 PM**

## **SOLUTION PROVIDER**

**Tata Consultancy Services & Antares Systems Limited**

**e - mail ID : [eproc\\_helpdesk@mpsdc.gov.in](mailto:eproc_helpdesk@mpsdc.gov.in)**

**Toll free no. : 18002588684**

**MPSEDC Helpline Numbers: 08517936082, 07566660425, 08989685065**

**Any updation /modification/further call, if required and any other changes in respect of above tender will only be available on [www.jnkvv.org](http://www.jnkvv.org) and [www.mpeproc.nic.in](http://www.mpeproc.nic.in)**

**Please visit [www.mpeproc.gov.in](http://www.mpeproc.gov.in) and [www.jnkvv.org](http://www.jnkvv.org) for regular updates**

**JAWAHARLAL NEHRU KRISHI VISHWA VIDYALAYA  
JABALPUR - 482 004 (M.P.)**

**Tender No.: IPRO/DAC/PRAL/RKVY/2017-18/45**

**Dated: 18.09.2017**

**E-TENDER DOCUMENT**

**Important Dates**

Sl. No.	Vivekananda Hall, College of Agriculture, JNKVV, Jabalpur	Bidder's Stage	Start		Expiry		Envelopes
			Date	Time	Date	Time	
1.	--	Purchase of Tender – Online	18.09.2017	10:30 am	13.10.2017	11:55 pm	--
2.	--	Pre bid presentation	03.10.2017	10:30 am	--	--	--
3.	--	Uploading of revised technical specifications (if required after pre-bid)	06.10.2017	--	--	--	--
4.	--	Bid Submission – Online	--	--	14.10.2017	11:55 pm	--
5.	<b>Mandatory Submission (Envelop A) to Office of Dean, College of Agriculture JNKVV, Jabalpur</b>	--	--	--	24.10.2017	2:30 pm	--
6.	<b>Technical Bid Open (Envelope-A)</b>	--	--	--	24.10.2017	3:00 pm	A
7.	<b>Financial Bid Open (Envelope-B)</b>	--	02.11.2017	3:30 pm	--	--	B

**Tender No.: IPRO/DAC/PRAL/RKVY/2017-18/45**

**Dated: 18.09.2017**

**Procedure for On-line Submission of Tender Document**

The Tender for the above works are invited online. The following procedure will be adopted for online opening of the price bids.

**DEPOSITING THE BIDS:**

The bids will be submitted through on-line mode of [www.mpeproc.gov.in](http://www.mpeproc.gov.in). However, certain documents would be required to be submitted physically to our office. Details are as follows:-

**(A) On-line Submission on website [www.mpeproc.gov.in](http://www.mpeproc.gov.in):**

**STEP – I**

**Technical Bid / Mandatory Documents to be submitted on-line at [www.mpeproc.gov.in](http://www.mpeproc.gov.in)**

31. Covering letter of the participating firms (scanned copy in pdf format).
32. Certificate for acceptance of terms and conditions of tender enquiry on firms letterhead.
33. Check list properly filled-in (Annexure-I).
34. Original equipment manufacturer (OEM) certificate or authorized dealership/distributorship certificate as applicable.
35. Detailed technical write-up highlighting the model Name/ Number, features of the equipment offered and / or Technical literature/manuals.
36. Company profile along with detailed printed literature of each item or sub item quoted in the tender.
37. Compliance Certificate. Certificate of clause by clause compliance of specifications as mentioned in tender.
38. Client list/ List of users - List of Institutes / Organizations where same minimum one such work has been executed. Copy of the work order & completion certificate duly signed by the competent authority of the institute be enclosed.
39. Last 3 (three) years income tax return
40. PAN No. of the firm
41. TIN No. of the firm
42. Sales turnover of last three years
43. Firms/Business Registration documents.
44. Scanned Copy of EMD (or exemption proof, if exempted).
45. Tender Purchase Receipt

**STEP – II**

**Financial Bid to be submitted on-line at [www.mpeproc.gov.in](http://www.mpeproc.gov.in)**

**Commercial/Price bid packet (on-line)**

**(B) Submission of Mandatory Documents at Office address:**

**STEP-III: Mandatory Document to be submitted by registered post/courier/personally at Office address at JNKVV, Jabalpur**

The documents listed above in **STEP-I** (all fifteen original documents - sealed and signed on each page) to be submitted (hard copy) in the **Technical Bid Envelope – “A” (separate for each item)** at the address given below before last date as mentioned in bid as given below.



31. **Covering letter** of the participating firms (scanned copy in pdf format)
32. **Certificate for acceptance** of terms and conditions of tender enquiry on firms letterhead.
33. **Check list** properly filled-in (Annexure-I).
34. Original equipment manufacturer (OEM) certificate or **authorized dealership/distributorship certificate** as applicable.
35. **Detailed technical write-up** highlighting the model Name/Number, features of the equipment offered and / or Technical literature/manuals.
36. **Company profile** along with detailed printed literature of each item or sub item quoted in the tender.
37. **Compliance Certificate**. Certificate of clause by clause compliance of specifications as mentioned in tender.
38. Client list/ **List of users** - List of Institutes / Organizations where same minimum one such work has been executed. Copy of the work order & completion certificate duly signed by the competent authority of the institute be enclosed.
39. **Last 3 (three) years income tax return**
40. **PAN No.** of the firm
41. **TIN No.** of the firm
42. **Sales turnover** of last three years
43. **Firms/Business Registration** documents.
44. **EMD** (or exemption proof, if exempted) – original.
45. **Tender Purchase Receipt**

**Technical Bid envelope-A** of all items separately will be opened before a committee constituted for the purpose. After verification, scrutiny and due recommendation of the committee, the financial bid of the eligible tenderer who have offered their rates in the price bid shall be opened on-line.

**Physical submission of documents to following address:**

**The Dean**

**College of Agriculture**

**(Attention: Head Soil Science & Agril. Chemistry)**

Jawaharlal Nehru Krishi Vishwa Vidyalaya

Krishi Nagar, Adhartal

Jabalpur-482 004 (M.P.), India

Phone ( Fax) : 0761-2681119

E-mail: [headsoilscience@gmail.com](mailto:headsoilscience@gmail.com)

**NOTE :**

- (v) *Tenderers are requested not to submit financial bid in any envelop. The price bid will be open only after due satisfaction of technical bid on-line.*
- (vi) *Tax extra if any must be shown separately in the specified column of financial bid.*

**General Terms and Conditions:**

13. Only the manufactures and their authorized distributors or dealers or agents need to submit their tender. The authorized dealers should furnish a certificate from the manufacturer for their dealership.
14. No person or firm shall submit more than one Tender for the same item. No offer should have more than one model quoted; in case of more than one alternate offer only the first option will only be considered.
15. It is mandatory to provide all the relevant information in **Annexure I**.
16. Broad-based specifications of equipment/items/systems/works etc. are given in **Annexure II**. The tenderer should also take note of the remarks, if any, given there in.
17. a. Tender can be **purchased on-line** from [www.mpeproc.gov.in](http://www.mpeproc.gov.in) – Start Date: **18.09.2017, 10.30 am to 13.10.2017, 11.55 pm.**
  - b. Pre bid presentation date: **03.10.2017, 10.30 am.**
  - c. Uploading of revised technical specifications (if required after pre bid): **06.10.2017.**
  - d. Bids can be **submitted on-line on [www.mpeproc.gov.in](http://www.mpeproc.gov.in) upto 14.10.2017, 11.55 pm.**
  - e. **Mandatory Submission (Envelope A)** containing all original documents as required for technical bid including original EMD must be submitted in sealed cover to the **DEAN, COLLEGE OF AGRICULTURE (ATTENTION: HEAD, SOIL SCIENCE & AGRICULTURAL CHEMISTRY), JNKVV, ADHARTAL, JABALPUR - 482 004** so as to reach on or before dated **24.10.2017, 2.30 pm.**
  - f. Belated tender due to postal or any other delay will be rejected.
  - g. **Technical Bids [Mandatory Submission (Envelope A)]** will be opened on **24.10.2017, 3.00 pm.**
  - h. **Financial Bids** of qualified bidders will be opened on **2.11.2017, 3.30 pm.**
  - i. The tender for each item should be sent separately. The main duly sealed envelope should super scribed **TENDER FOR THE ITEM No. \_\_\_\_\_ (NAME OF THE EQUIPMENT) DUE on.....FOR PRAL, SOIL SCIENCE & AGRICULTURAL CHEMISTRY DEPARTMENT.**
  - j. If offers for more than one item are clubbed together, tender will be rejected.
  - k. The tender offers should have a validity of 180 days or more from the due date. The tenders will be valid for 6 months from the date of opening.
  - l. J.N. Krishi Vishwa Vidyalaya reserves the right to extend the opening due date and or the date of opening the tenders.
  - m. All the leaflets in the offer should be original marked with signature and seal of authorized person.
18. The bidder should be a manufacturer who must have manufactured, tested and supplied in India, the equipment similar to the type specified. Bids of bidders quoting as authorized representative of a manufacturer, meeting with the above requirements in full, can also be considered, provided.
  - a. The manufacturer furnishes a legally enforceable authorization in the prescribed form, assuming full warranty and CMC obligations for the goods offered; and

- b. The bidder, as authorized representative, has supplied, installed and satisfactorily commissioned and provided after sales service for similar equipment in India during the last 10 years.
7.
    - a. The rates quoted should be for single complete unit with F.O.R. delivery at JNKVV, Jabalpur. The rates quoted should be inclusive of packing and forwarding charges/loading/unloading/handling charges/freight/full risk coverage insurance, etc. In case of imported goods all the expenses towards custom duty, clearing charges and transportation with insurance will be borne by the firm/tenderer and they must quote the rates FOR, JNKVV, Jabalpur. The rate should be quoted in Indian Rupees only.
    - b. Custom duty (with and without exemption certificate) and other levies, if any should be shown separately and the total price of each item should be worked out incorporating the same.
    - c. Any other charges, if any, should be shown separately for each item and each sub-item.
    - d. Prices for the main item and accessories only should be given separately. This is necessary to workout prices of a desired configuration.
  8. The tender should be accompanied by detailed printed technical literature with specifications, make and model number of each item and each sub-item quoted in the tender. Specifications given in the offer must match to the website and/or authentic printed technical literature or better otherwise the offers shall be rejected.
  9. All losses during transport will have to be borne by the tenderers.
  10. The tenderers must provide original guarantee/warranty on manufacturer's letter head of satisfactory functioning of the equipment/system and free service including free replacement of parts for a period of at least **5 years** from the date of successful and satisfactory installation of the equipment/system.
  11. It is mandatory to quote the latest model of said instrument for pesticide residue analysis. Quote should not be for refurbished instrument. The unit of the same model must have installed three or more units in India. Vendor must also furnish the purchase details of the said model.
  12. Vendor shall be able to demonstrate sensitivity parameter and other features claimed at our laboratory with real sample. The extract of the sample can be obtained from this laboratory on publication of the tender. Along with that vendor needs to submit the performance data for the quoted model in support of specifications with the offer. The data may be generated by vendor's laboratory in India or abroad.
  13. Two-year comprehensive warranty after installation followed by free three-year Comprehensive Maintenance Contract (CMC) is mandatory. Minimum three-visit of service engineer is required per annum. No expenditure (either for repairs and replacement of consumable and/or non-consumable parts and/or custom clearance) will be borne by us during warranty and CMC period, however required documents will be provided. All the supplied items should be covered under warranty and CMC period. Break down period should not exceed more than 10 days in any case.
  14. The Supplier shall warrant that the Goods supplied under this Contract are new, unused, of the most recent or current models and those they incorporate all recent improvements in design and materials unless provided otherwise in the Contract. The Supplier shall further warrant that all Goods supplied under this Contract shall have no defect, arising from design, materials or workmanship or from any act or omission of the Supplier that may develop under normal use of the supplied Goods in conditions prevailing in the country of consignee destination. The Purchaser/consignee shall promptly notify the Supplier in writing of any claims arising under this warranty. "Upon receipt of such notice, the Supplier shall within 10 days repair or replace the defective goods or parts thereof, free of cost at the ultimate destination. The Supplier shall take over the replaced parts/goods at the time of their replacement. No claim whatsoever shall lie on the Purchaser for the replaced parts/goods thereafter. In the event of any correction of defects or replacement of defective material during the warranty period,

the warranty for the corrected/replaced material shall be extended to a further period of **twenty four (24) months**.

15. **Training:**

- a. Minimum four onsite application training after successful installation as and when required during first year.
- b. From second year onward, two onsite training per year (on demand) till the end of CMC period.
- c. Training for three persons at your advanced training centre.

16. On approval of the tender, security deposit (10 % of the basic cost of item including accessories) should be deposited in terms of FDR valid for the warranty period of 2 years from any Nationalized bank payable to **“Dean, College of Agriculture, JNKVV, Jabalpur”**. Security deposit will be returned after successful completion of warranty. The security deposit shall have to be submitted at the time of receiving the supply order and the respective EMD will be return.

29. In case of disputes, decision of Vice Chancellor, JNKVV, Jabalpur will be final and acceptable to all the parties.

30. Supplier should provide the list of items which are covered under consumables. The items not listed in the consumables would be considered as spare parts for the purpose of warranty obligation including replacement/repairs.

31. Quote the rates in INR for CMC for 1<sup>st</sup>, 2<sup>nd</sup> and 3<sup>rd</sup> year after five years of installation.

32. On approval of the tender supplier should make the agreement on the Rs. 100 stamp paper that aforesaid "Terms and Conditions" are agreeable to them. This should be signed and stamped in the presence of two witness and purchaser.

33. Software developed during warranty/CMC period should be provided latest version.

34. The instrument is supposed to be installed at new location when the planned one is under construction, then the supplier has to reinstall the instruments at free of cost at the newly planned location/building.

23. **Tender Document Cost:**

The details of tender document can be downloaded from website ([www.mpeproc.gov.in](http://www.mpeproc.gov.in)) and tender document cost only should be submitted on-line on the portal.

24. **EMD:**

The “**TechnicalBid**” of each item must be accompanied by **Earnest Money Deposit (EMD) as shown against each item in Annexure-II** in the form of Crossed Bank Draft/ Pay Order/ Banker’s/ Manager’s/ FDR/ TRD of any Nationalized Bank made in favour of **“DEAN, COLLEGE OF AGRICULTURE, JNKVV, Jabalpur”**. Without the earnest money in the above form, the offers will be rejected. The EMD in the form of **Firm’s Cheque will not be accepted and the offer will be rejected.**

25. **Payment Terms:**

- a. The standard terms and conditions of payment are in 40% against delivery, 50% after the successful installation, demonstration and training to the satisfaction of JNKVV authorities and remaining 10% after warranty period of two years.
- b. GST as applicable and HS code should be mentioned in tender.

26. Please quote maximum discounted price, as no further negotiations will be made.

27. Complimentary items/gifts offered will not be taken into account for calculating the cost of the item.

28. The offer must mention latest model and company must enclose original printed literature/catalogue/manufacturer's web-site showing detailed technical specifications required. A folder showing many instruments without detailed technical specification, or tailor made literature mentioning “yes” or “as per your specifications” for the specifications asked for, will not be considered. Specifications given in the offer must match to the website and / or printed technical literature otherwise the offer shall be rejected.
29. Firm must provide a compliance statement vis-à-vis specifications in a “tabular form” clearly stating the compliance, supported by technical literature with clear reference. This statement must be signed, with the company seal, by the Tenderer for its authenticity and acceptance that any incorrect or ambiguous information found submitted will result in disqualification of the offer.
30. Any deviation, variation of non-compliance of the terms and conditions by the tenders shall be considered as a breach of contract and JNKVV reserves the right to forfeit the amount of earnest money and/or security deposit in part or in full and take action as per legal arrangement.
31. Any judiciary matter shall be in Judiciary of Jabalpur only.
32. Tender will not be considered if the firm does not supply a copy of the TIN & PAN allotted to it. PAN of the owner or any other persons will not be accepted.
33. J.N. Krishi Vishwa Vidyalaya reserves the right to accept or reject any or all offers in full or in part without assigning any reason (s) therefore. It also reserves the right to place an order wholly or in part with one or more than one firm as they may be convenient to JNKVV.
34. The tenders shall have to give an undertaking that the terms and conditions as mentioned above in this tender are acceptable to the tenderers (in Annexure I).
35. After Pre bid no communication will be entertained from bidders.
36. Bidder must provide an affidavit on a non judicial stamp paper of Rs. 100/- stating that the bidder and principal are not black listed & with no legal imprisonment with regards to supply of the product.

#### **RATES OF COMPREHENSIVE MAINTANANCE CONTRACT FOR GC MS/MS**

<b>Particulars</b>	<b>Price (In Indian Rupees)</b>
First Year CMC (6 <sup>th</sup> year after installation)	
Second Year CMC (7 <sup>th</sup> year after installation)	
Third Year CMC (8 <sup>th</sup> year after installation)	

**DEAN**  
**COLLEGE OF AGRICULTURE**  
**JNKVV, Jabalpur**

Tender No.: IPRO/DAC/PRAL/RKVY/2017-18/45

Dated: 18.09.2017

**KEY DATES**

Sl. No.	Vivekananda Hall, College of Agriculture, JNKVV, Jabalpur	Bidder's Stage	Start		Expiry		Envelopes
			Date	Time	Date	Time	
1.	--	Purchase of Tender – Online	18.09.2017	10:30 am	13.10.2017	11:55 pm	--
2.	--	Pre bid presentation	03.10.2017	10:30 am	--	--	--
3.	--	Uploading of revised technical specifications (if required after pre-bid)	06.10.2017	--	--	--	--
4.	--	Bid Submission – Online	--	--	14.10.2017	11:55 pm	--
5.	<b>Mandatory Submission (Envelope A) to Office of Dean, College of Agriculture JNKVV, Jabalpur</b>	--	--	--	24.10.2017	2:30 pm	--
6.	<b>Technical Bid Open (Envelope-A)</b>	--	--	--	24.10.2017	3:00 pm	A
7.	<b>Financial Bid Open (Envelope-B)</b>	--	02.11.2017	3:30 pm	--	--	B

*Original term deposit receipt of earnest money deposit, demand draft for the cost of bid document and affidavit shall be submitted by the bidder so as to reach the office as prescribed in Bid Data Sheet at specified time and date i.e 24.10.2017, 2:30 pm at Office of Dean, College of Agriculture, JNKVV, Jabalpur.*

**DEAN, COLLEGE OF AGRICULTURE, JNKVV, JABALPUR****Tender No.: IPRO/DAC/PRAL/RKVY/2017-18/45****Dated: 18.09.2017****SUPPLEMENT / CHECK-LIST TO BE PROVIDED WITH TECHNICAL BID**

ITEM No. \_\_\_\_\_ NAME \_\_\_\_\_

<b>Sl. No.</b>	<b>Information required</b>	<b>Yes/No</b>	<b>Page No. in the Tender</b>
1.	Dully filled Tender Form along with the Technical Compliance statement (All the pages should be signed & initialed)		
2.	Crossed DD for Tender fee of `1,000/- (rupees one thousand only)		
3.	Make of main item		
4.	Model of main item		
5.	Name of manufacturer of Main Item		
6.	Country of origin of main item		
7.	Make and model of sub item I (if any)		
8.	Make and model of sub-item II (if any)		
9.	Make and model of sub-item III (if any)		
10.	Delivery within (days)		
11.	Payment terms		
12.	Order to be placed on		
13.	Guarantee/Warrantee		
14.	Installation Charges (if any)		
15.	Validity (at least 180 days)		
16.	Delivery charges(if any)		
17.	Insurance charges(if any)		
18.	Training charges (if any)		
19.	FOR: JNKVV, Jabalpur		
20.	List of current users in Madhya Pradesh/India with contact details (Attach, if any)		
21.	Certification of satisfactory working of the equipment (Attach, if any)		

22.	Company Certification (ISO, etc.)		
23.	Compliance of equipment with current directives of ISI / CE / EEC / US / EU or equivalent standards		
24.	Whether manufacturer / authorized distributor /dealer/ agent? (Attach certificate)		
25.	Technical literature/brochure of the system quoted in original (Attach, if any)		
26.	Earnest money deposit (EMD) of Rs. 3,00,000/- (rupees three lakh only) attached with financial bid (DD No., Bankers name, date etc.)		
27.	Situations of Authorized service centres/ service personals etc.		
28.	List of items which are covered under consumables		
29.	Rates of additional Comprehensive Maintenance Contract (After 5 <sup>th</sup> year of installation)		
30.	Performance data of real sample		
31.	Relevant documents such as ITCC, ST registration shop Act. establishment certificate, factory registration etc. (Enlist)		
32.	TIN and PAN allotted (Attach a copy, if any)		
33.	Any other relevant information		

### **DECLARATION**

The terms and conditions as mentioned in the tender are acceptable to us.

Signature of Tenderer



## DEAN, COLLEGE OF AGRICULTURE, JNKVV, JABALPUR

Tender No.: IPRO/DAC/PRAL/RKVY/2017-18/45

Dated: 18.09.2017

**Item and Specifications****Item No. 3: GC MS/MS System**

(In case more than one model / combination is quoted, attach separate compliance sheets for each. *Please provide all the relevant document of the technical specifications and technical compliance statement.*)

All items required for the full-fledged function of an advanced, high sensitive GC MS/MS system, including all software, accessories and supporting instruments as outlined below are to be quoted.

**Against each point** in the technical specification, compliance must be marked as **YES / NO**

**A. Gas Chromatography (GC)**

**Latest model** of GC equipped with ECD-Ni<sup>63</sup>, NPD, two injectors (one split/ splitless and another with PTV-LVI), essential accessories, data-station with computer and printer, operating software etc. with following specifications.

Quoted Model: \_\_\_\_\_

	<b>Required Technical Specifications</b>	<b>Complying? (Yes/No)</b>	<b>Remarks</b>
<b>Basic Unit:</b>			
<i>Interface</i>			
i.	The GC must feature an external color touch screen to provide easy accessibility to the GC and immediate interactions with it.		
ii.	Multi-language support capabilities.		
iii.	The touch screen of the GC should provide all needed data, including all temperature and pressure/ flow parameters, type of carrier gas, carrier gas column pressure, flow rates, split flow, detector gas flow rates and all detector parameters.		
iv.	A routine automatic leak check procedure.		
v.	A routine automatic column evaluation procedure and storing the column pneumatic resistance. It should also allow an automated correction of the nominal column parameters.		
vi.	The system should be capable of calculating the carrier gas linear velocity and the column void time.		
<i>Oven</i>			
i.	The column oven should have an operating range from -20 °C to 450 °C using the optional sub ambient oven accessory.		
ii.	Fast heat-up time.		
iii.	Fast cool-down time.		
iv.	The oven temperature stability should be within 0.01 °C / every °C of actual temperature.		

v.	The Operating temperature Range should be 3 °C above ambient to $\geq 450$ °C.		
vi.	<b>Oven Ramps/ Plateaus Cool Down</b> <ul style="list-style-type: none"> <li>• It should have number of ramps/ plateaus: 25/26.</li> <li>• The maximum heating rate should be <math>&gt;100</math> °C / min or better.</li> </ul>		
vii.	<b>GC Analytical Performance</b> <ul style="list-style-type: none"> <li>• The GC should have a Retention Time Repeatability of <math>&lt;0.0008</math> min or better</li> <li>• The Peak Area Repeatability should be <math>&lt;0.5</math> % RSD or better</li> </ul>		
<b>Injector</b>			
<b>a. Split/ splitless</b>			
i.	The Split/ Splitless injector should be user-installable.		
ii.	The injector should be able to operate with narrow bore capillary, normal capillary and wide bore and columns.		
iii.	The injector should feature an optimized, modular thermal profile for split and splitless injection with a cold head.		
iv.	The injector should permits <i>large volume splitless</i> injection (up to 50 microliters) without requiring pressure pulse to quantitatively recover the whole sample, and without any further hardware requirement.		
v.	The injector should allow timed closure/opening of the purge line.		
vi.	Maximum Temperature should be $\geq 400$ °C.		
vii.	Split Ratio: $\geq 10,000:1$		
viii.	Pressure in the range of Range: 0-1000 kPa		
ix.	Total Flow Setting: Split flow range Purge flow range		
<b>b. Programmable Temperature Vaporizing Injector</b>			
i.	The dedicated Programmable Temperature Vaporizing Injector should be user-installable.		
ii.	It should support hot/cold split and splitless modes as well as large volume injections (solvent split) and On Column (TPOC). Temperature Range: ambient $+5$ °C to $\geq 450$ °C.		
iv.	Split Ratio: $\geq 10,000:1$		
v.	Pressure Range: 0-1000 kPa		
vi.	Total Flow Setting: Split flow range Purge flow range		
vii.	This injector must be capable to achieve cooling rates of $7$ °C/s without requiring the use of cryogenic fluids.		
viii.	Should have coolant-free operation even at higher initial oven temperature.		
ix.	This injector must allow automated injection of large sample volume $\geq 100$ micro liters in a single stroke with back flush facility.		
xi.	This injector should allow automated On-column injections to handle labile and high-molecular weight analytes.		

<b>Detectors</b>			
i.	The instrument design must allow the user for an easy interchangeability of the detectors.		
ii.	The GC must have complete integrated control of all parameters (no external control module) for NPD & ECD.		
<b>a. Electron Capture Detector</b>			
i.	Radioactive Source: 370 MBq equal to 10 mCi, <sup>63</sup> Ni.		
ii.	MDL: $\geq 6$ fg/s lindane.		
iii.	Linear Dynamic Range: $\geq 10^4$ with lindane.		
iv.	Maximum Temperature: $\geq 400$ °C in 0.1 °C steps.		
v.	Integrated Electronic Controls of the following gases are part of the detector module: 0 to 500 mL/min make up; Make-up Gas: Nitrogen or 95% argon/ 5% methane.		
vi.	Data Acquisition Rate: minimum 300 Hz.		
<b>b. Nitrogen and Phosphorus Detector</b>			
i.	NPD available with ceramic beads and compatible with element-specific sources.		
ii.	MDL: <20 fg P/s and <100 fg N/s with standard ceramic bead.		
iii.	Selectivity: gP/gC $\geq 200000$ ; gN/gC $\geq 80000$ .		
iv.	Linear Dynamic Range $\geq 10^4$ .		
v.	Maximum Temperature: $\geq 400$ °C in steps of 0.1 °C.		
vi.	Integrated Electronic Controls of the following gases are part of the detector module: – Air: 0-500 mL/min in 0.1 mL/min steps, H <sub>2</sub> : 0-10 mL/min in 0.1 mL/min steps.		
vii.	Makeup gas (Nitrogen): 0-50 mL/min in 0.1 mL/min steps.		
viii.	Data Acquisition Rate: minimum 300 Hz		
<b>Software-Licensed Version</b>			
i.	Latest user-friendly software for complete control and data acquisition from GC.		
ii.	It should be able to collect data from 3 detectors simultaneously.		
iii.	It should be upgradable to control additional GCs in future.		
iv.	It should have all routine chromatography functionalities like full GC parameter setting, viewing chromatogram, Calculations based on % area, Area Normalization, External Standard, Internal Standard etc, Viewing of calibration curves, addition and subtraction of chromatograms, S/N ratio etc. The software should comply NABL standards.		
<b>Auto Sampler</b>			
i.	The GC should be supplied with at least 100 vial auto sampler capable of injecting in both injectors of GC OR One common auto sampler should be supplied with GC and GC MS/MS which is capable of injecting in all installed injectors of GC and GCMSMS with different methods. The auto sampler must have facility to change the syringes automatically and it should be fully programmable for automated sample preparation, dilution and derivatization.		
ii.	It should be capable of Large Volume Injection and Cold On Column Injection and it should be fully controlled by GC and GCMS software.		
iii.	The auto sampler should be upgradeable to Head Space and Solid Phase Micro Extraction (SPME) injection modes.		

**B. GC MS/MS**

Latest model of GC equipped with MS/MS (triple-quadrupole), two split/splitless injector, essential accessories, data-station with computer and printer, operating software etc. with following specifications.

**1. GAS CHROMATOGRAPH*****Interface***

i.	The GC must feature an external color touch screen to provide easy accessibility to the GC and immediate interactions with it.		
ii.	Multi-language support capabilities		
iii.	The touch screen of the GC provides all needed data, including all temperature and pressure/flow parameters, type of carrier gas, carrier gas column pressure, flow rates, split flow, detector gas flow rates and all detector parameters.		
iv.	A routine automatic leak checks procedure.		
v.	A routine automatic column evaluation procedure and storing the column pneumatic resistance. It should also allow an automated correction of the nominal column parameters.		
vi.	The system should be capable of calculating the carrier gas linear velocity and the column void time.		

***Oven***

i.	The column oven should have an operating range from -20 °C to 450 °C using the optional sub ambient oven accessory.		
ii.	Fast heat-up time.		
iii.	Fast cool-down time.		
iv.	The oven temperature stability is within 0.01 °C/ every °C of actual temperature.		
v.	The Operating temperature Range should be 3 °C above ambient to ≥450 °C.		
vi.	<b>Oven Ramps/Plateaus Cool down</b> <ul style="list-style-type: none"> <li>• It should have number of ramps/plateaus: 25/26.</li> <li>• The maximum heating rate should be &gt;100 °C/min or better.</li> </ul>		
vii.	<b>GC Analytical Performance</b> <ul style="list-style-type: none"> <li>• The GC should have a Retention Time Repeatability of &lt;0.0008 min or better.</li> <li>• The Peak Area Repeatability should be &lt;0.5 % RSD or better.</li> </ul>		

***Injector (Split/ Splitless)***

i.	The Split/ Splitless injector should be user-installable.		
ii.	The injector should be able to operate with narrow bore capillary, normal capillary and wide bore and columns.		
iii.	The injector should feature an optimized, modular thermal profile for split and splitless injection with a cold head.		
iv.	The injector should permits <i>large volume splitless</i> injection (up to 50 microliters) without requiring pressure pulse to quantitatively recover the whole sample, and without any further hardware requirement.		
v.	The injector should allow timed closure/opening of the purge line.		
vi.	Maximum Temperature should be ≥ 400 °C.		
vii.	Split Ratio: ≥ 10,000:1.		
viii.	Pressure in the range of Range: 0-1000 kPa.		

ix.	Total Flow Setting: Split flow range		
<b>Detector-Triple Quadrupole</b>			
The triple quadrupole GC-MS/MS should have following specifications:			
i.	<b>Mode (MS)</b> • It should have Full scan, SIM, timed-SIM, combined full scan/SIM, combined full scan/timed-SIM modes.		
ii.	<b>Modes (MS/MS)</b> • It should have SRM, timed-SRM, combined SRM/full scan, combined timed SRM/full scan, product ion scan		
iii.	<b>Software Features</b> • It should have Automated SRM Development. • It should have Automated acquisition window adjustment based on retention time. • It should have Compound based acquisition method setup.		
<b>a. Ion Source</b>			
i.	It should have an extractable cartridge EI source, with dual filaments, programmable to 350 °C.		
ii.	Should have vacuum probe interlock to remove all source parts that require periodic cleaning, without venting mass spectrometer.		
iii.	The system should have improved ion guide to reduce excited neutral background to single counts per scan without requiring signal thresholding, background subtraction Or smoothing.		
<b>b. Detector</b>			
i.	The detection system should have linear range $>10^7$ (0-68 $\mu$ A).		
ii.	<b>Mass Range</b> The mass range should be $>1000$ a.m.u. or better.		
iii.	<b>Scan Speed</b> • The MS should have scan speed $> 10,000$ a.m.u/sec or better • It should have an ability to acquire more than 50 scans/sec in full scan when scanning over a range of 125 a.m.u.		
iv.	<b>Pumping Systems</b> It should have a High capacity ( $>270$ L/s He) turbo molecular pump $> 3.0$ m <sup>3</sup> /h mechanical pump.		
v.	<b>Electron Energy</b> • It should have an adjustable electron energy from 0 eV to 130 eV.		
vi.	<b>Emission Current, dual filaments</b> • It should have emission current up to 350 $\mu$ A, with improved regulation at low current.		
vii.	<b>Transfer Line Temperature</b> • The temperature should be up to 400 °C.		
<b>c. Performance Specifications using Octafluoronaphthalene (OFN)</b>			
i.	Electron Ionization SRM.		
ii.	Electron Ionization Full Scan.		
iii.	Instrument Detection Limit.		

<b>Software</b>			
<b>a. Features</b>			
i.	It should have Automated SRM Development .		
ii.	It should have Automated acquisition window adjustment based on retention time.		
iii.	It should have Compound based acquisition method setup.		
<b>b. Data System Software and Options</b>			
i.	• It should have a software for controlling and acquiring all the MS and conventional detectors.		
ii.	• It should have a separate dedicated software for reporting for environmental and food safety market as per international protocols.		
iii.	The latest version of the NIST and Pesticide Library (Licensed version) should be included.		
<b>Auto Sampler</b>			
i.	The GCMS should be supplied with at least 100 vial auto sampler capable of injecting in S/SI injector of GCMS OR One common auto sampler should be supplied with GC and GCMSMS which is capable of injecting in all installed injectors of GC and GC MS/MS with different methods. Vendor should provide both options.		
<b>C. ESSENTIAL ACCESSORIES</b>			
<i>(Essential accessories for run the system)</i>			
i.	Online UPS, 10.0 KVA capacity with 26 SMF batteries with 3 hours power backup at full load and rack for batteries-01 No.		
ii.	Standard Table with sufficient bench-top area to accommodate GC, GC MS/MS and Data Station- A complete set.		
iii.	Library software-01 No.		
<b>D. SPARES/ ACCESSORIES</b>			
<i>(Essential spares/ accessories for run the instruments)</i>			
a)	Pre col 0.32 mm × 5 mt: 01 No. with attachments.		
b)	He gas filter: 01 No.		
c)	Digital Flow Meter: 01 No.		
d)	NPD Bead: 01 No.		
e)	Septa for GC: 100 Nos.		
f)	PTV BKF Maintenance kit for GC: 01 No.		
g)	Syringes: (10 µL and 100 µL): 01 No. each		
h)	Filament Cartridge: 01 No.		
i)	Spare EI ion Source: 01 No.		
j)	Spare SSL inj module with Pneumatics for GC: 01 No.		
k)	2 ml vials and caps for auto sampler: 100 Nos.		
l)	Vials and caps for auto sampler (for washing): 01 No.		
m)	Graphite Ferrules for Capillary columns of 0.25 and 0.32 mm id: 01 No. each.		
n)	Glass Liners for Split and Splitless injections: 01 No. each.		
o)	Capillary Columns		
	30 m × 0.25 mm i.d. × Film 0.25 µ Phase-1701- 01		

	30 m × 0.25 mm i.d. × Film 0.25 μ	Phase-5- 01	
	30 m × 0.25 mm i.d. × Film 0.25 μ	Phase-608- 01	
p)	Column (MS): 01 No.		
q)	Data Station for GC, Dell/ Toshiba/ Lenovo with latest configuration, compatible with the software, LaserJet printer: 01 No.		
r)	AMC for three-years after warranty for both GC and GC MS/MS.		
s)	Gas Cylinder for Argon, filled, with S.S. double stage regulator: 01 No.		
t)	Gas flow monitor: 01 No.		
u)	Tool kits: 01 set.		
v)	Calibration standard (for mass calibration)		
w)	<p><b>Tissue Homoginiser (01 No.):</b></p> <p>Sample volume 50 ml to 200 ml  Speed Range 5,000 to 35,000 rpm  Single hand simple operation  Can be mounted on stand  Interchangeable shafts  Electronic speed control  Overload protection  Accessories: Battery, Charger, Probes, Stand and Tool Kit  Quick release button for dispersing element</p>		
x)	<p><b>N<sub>2</sub> gas System for Evaporator (01 No.):</b></p> <p>Time Range: 15 sec to 10 hours.  Time Set-up / down arrow keys (15 sec increments)  Temperature range: Ambient to 99°C (thermal cutout for safety).  Temperature set-up / down arrow keys (1°C increment).  Start/stop: Green LED indication when process is On  Display: LCD Digital Display  Gas stations: 5 Nos. with LED indication  Gas regulator range: 0 to 100 PSI (approximate)  Pressure gauge range: 0 to 100 PSI  Controlled: Fully Microprocessor based  Sample capacity: 50 Nos.  Gas Line: 5 Nos.  Water tank capacity: 6.5 Ltr. (Not over flow)  Dimensions: 30cm(H) x 40cm(W) x 55cm(L)  Weight:20 Kgs (empty tank)  Colour: Athena Blue  Exhaust: No fume hood required  Power supply: 230 V AC / 3Amp  Error indication: LED indication with Buzzer  Speedo Vap, Nitrogen Evaporator, Turbovap LV</p>		
y)	<p><b>Multichannel Pipette (01 each):</b></p> <p>High End calibrated Micro pipettes  Should have Tip ejector  High precision, ultra light weight, autoclavable, air cushion.</p>		

	Systematic Error $\pm$ 0.8% Capacity: 10-100 $\mu$ l and 100-1000 $\mu$ l		
z)	N <sub>2</sub> gas freezer : 01 No.		
aa)	Hemilton syringe (1 $\mu$ L and 10 $\mu$ L): 01 No. each.		
ab)	Hemilton syringe (1 ml): 01 No.		
ac)	Hemilton syringe (1-10 $\mu$ L): 01 No.		
ad)	Membrane and filter system (0.22 $\mu$ m & 0.40 $\mu$ m): 100 each		
ae)	Syringe membrane filtration kit: 01 No.		
<b>NOTE: PREFERENCE WILL BE GIVEN TO THE VENDOR CAPABLE OF SUPPLYING COMPLETE PACKAGE OF GC MS/MS AND SPARES AS WELL AS ESSENTIAL ACCESSORIES.</b>			
<b><u>To be enclosed with price bio.... Individually for each items.</u></b>			
<b>Terms and Conditions:</b>			
FOR	JNKVV, Jabalpur		
Mode of Payment			
Validity period			
Delivery period			
Warranty			
EMD (Rs.)			
Tender Fee (Rs.)			
<b>Papers / Documents:</b>			
Printed Brochure			
Valid Authorization Certificate			
Users' List			

**Declaration by the Bidder**

It is hereby declared that the details given above are correct as pertaining to the quoted model, and all data and reports required for substantiation of technical claims have been submitted.

SIGNATURE OF TENDERER  
SEAL OF THE COMPANY



**JAWAHARLAL NEHRU KRISHI VISHWA VIDYALAYA  
JABALPUR - 482 004 (M.P.)**

**E-Tender Document**

**Item No. 4**

**ITEM RATE TENDER**

**Tender No.: IPRO/DAC/PRAL/RKVY/2017-18/45      Dated: 18.09.2017**

**Supply of HPLC**

**Cost of Tender Document: Rs. 1,000/-**

**EMD: Rs. 1,20,000/-**



**COLLEGE OF AGRICULTURE  
JAWAHARLAL NEHRU KRISHI VISHWA VIDYALAYA  
JABALPUR - 482 004 (M.P.)**

**PESTICIDE RESIDUE ANALYSIS LABORATORY**  
**COLLEGE OF AGRICULTURE**  
**JAWAHARLAL NEHRU KRISHI VISHWA VIDYALAYA**  
**JABALPUR - 482 004 (M.P.)**

**DETAILS OF MANUFACTURER/ BIDDER:**

<b>1.</b>	<b>Name &amp; full address of the Manufacturer</b>	<b>:</b>	
<b>2.</b>	<b>j) Telephone No.</b>	<b>:</b>	
	<b>k) Fax No.</b>	<b>:</b>	
	<b>l) E-mail</b>	<b>:</b>	
<b>3.</b>	<b>Location of the manufacturing factory</b>	<b>:</b>	
<b>4.</b>	<b>Name &amp; full address of the Bidder</b>	<b>:</b>	
	<b>j) Telephone/ Mobile No.</b>	<b>:</b>	
	<b>k) Fax No.</b>	<b>:</b>	
	<b>l) E-mail</b>	<b>:</b>	
	<b>PAN No.</b>	<b>:</b>	
	<b>TIN No.</b>	<b>:</b>	



**COLLEGE OF AGRICULTURE**  
**JAWAHARLAL NEHRU KRISHI VISHWA VIDYALAYA JABALPUR**  
– 482 004 (M.P.)

**E-Tender**

**Tender No.: IPRO/DAC/PRAL/RKVY/2017-18/45**

**Dated: 18.09.2017**

E-tender invited for the supply of **HPLC** and its components required for Pesticide Residue Analysis Laboratory under RKVY Project from manufactures or their authorized dealers or agents. Documents are available on portal, [www.mpeproc.gov.in](http://www.mpeproc.gov.in) and information on [www.jnkvv.org](http://www.jnkvv.org). Purchase of on-line tender from 18<sup>th</sup> September, 2017, 10.30 am to 13<sup>th</sup> October, 2017 upto 11.55 pm. Pre-bid presentation on 3<sup>rd</sup> October, 2017, 10.30 am. Uploading of revised technical specifications (if required after pre - bid) on 6<sup>th</sup> October, 2017. Last date of submission of on-line tender is 14<sup>th</sup> October, 2017 upto 11.55 pm. Last date of submission of Technical Bid/ EMD/ Tender fees etc. to this Office is 24<sup>th</sup> October, 2017 upto 2.30 pm. Opening of Technical Bid on 24<sup>th</sup> October, 2017 at 3.00 pm and Financial Bid open on 2<sup>nd</sup> November, 2017 at 3.30 pm.

**Dean**  
**College of Agriculture**  
**JNKVV, Jabalpur**

Sl. No.	Name of the Item	FOR at (Installation Location)	Tender Document Cost (Rs.)	EMD (Rs.)
1.	<b>HPLC</b>	Jabalpur	1,000/-	1,20,000/-

The details of tender can also be viewed at [www.jnkvv.org](http://www.jnkvv.org). Please read and follow the instructions carefully to avoid the rejection of the tender. You are also requested to send your representatives, duly authorized in writing, to attend the Technical Evaluation and clarification regarding bids.

**Dean**  
**College of Agriculture**  
**JNKVV, Jabalpur**

**For any technical support please contact tollfree number – 18002588684**

**For Quick Response Contact: Toll free No: 18002588684**

**Mail id: [eproc\\_helpdesk@mpsdc.gov.in](mailto:eproc_helpdesk@mpsdc.gov.in)**

**Support timings: Monday to Saturday from 10:00 AM to 7:00 PM**

**For Escalations/Complaints please contact: [eproc.esc@gmail.com](mailto:eproc.esc@gmail.com)**

**For Quick Response related to e - payment refund cases only,**

**Contact: 011 - 49424365**

**Mail ID: [mpepaymenthelpdesk@gmail.com](mailto:mpepaymenthelpdesk@gmail.com)**

**Support timings: Monday to Saturday from 9:00 AM to 6:00 PM**

## **SOLUTION PROVIDER**

**Tata Consultancy Services & Antares Systems Limited**

**e - mail ID : [eproc\\_helpdesk@mpsdc.gov.in](mailto:eproc_helpdesk@mpsdc.gov.in)**

**Toll free no. : 18002588684**

**MPSEDC Helpline Numbers: 08517936082, 07566660425, 08989685065**

**Any updation /modification/further call, if required and any other changes in respect of above tender will only be available on [www.jnkvv.org](http://www.jnkvv.org) and [www.mpeproc.nic.in](http://www.mpeproc.nic.in)**

**Please visit [www.mpeproc.gov.in](http://www.mpeproc.gov.in) and [www.jnkvv.org](http://www.jnkvv.org) for regular updates**

**JAWAHARLAL NEHRU KRISHI VISHWA VIDYALAYA  
JABALPUR - 482 004 (M.P.)**

**Tender No.: IPRO/DAC/PRAL/RKVY/2017-18/45**

**Dated: 18.09.2017**

**E-TENDER DOCUMENT**

**Important Dates**

Sl. No.	Vivekananda Hall, College of Agriculture, JNKVV, Jabalpur	Bidder's Stage	Start		Expiry		Envelopes
			Date	Time	Date	Time	
1.	--	Purchase of Tender – Online	18.09.2017	10:30 am	13.10.2017	11:55 pm	--
2.	--	Pre bid presentation	03.10.2017	10:30 am	--	--	--
3.	--	Uploading of revised technical specifications (if required after pre-bid)	06.10.2017	--	--	--	--
4.	--	Bid Submission – Online	--	--	14.10.2017	11:55 pm	--
5.	<b>Mandatory Submission (Envelop A) to Office of Dean, College of Agriculture JNKVV, Jabalpur</b>	--	--	--	24.10.2017	2:30 pm	--
6.	<b>Technical Bid Open (Envelope-A)</b>	--	--	--	24.10.2017	3:00 pm	A
7.	<b>Financial Bid Open (Envelope-B)</b>	--	02.11.2017	3:30 pm	--	--	B

**Tender No.: IPRO/DAC/PRAL/RKVY/2017-18/45**

**Dated: 18.09.2017**

**Procedure for On-line Submission of Tender Document**

The Tender for the above works are invited online. The following procedure will be adopted for online opening of the price bids.

**DEPOSITING THE BIDS:**

The bids will be submitted through on-line mode of [www.mpeproc.gov.in](http://www.mpeproc.gov.in). However, certain documents would be required to be submitted physically to our office. Details are as follows:-

**(A) On-line Submission on website [www.mpeproc.gov.in](http://www.mpeproc.gov.in):**

**STEP – I**

**Technical Bid / Mandatory Documents to be submitted on-line at [www.mpeproc.gov.in](http://www.mpeproc.gov.in)**

46. Covering letter of the participating firms (scanned copy in pdf format).
47. Certificate for acceptance of terms and conditions of tender enquiry on firms letterhead.
48. Check list properly filled-in (Annexure-I).
49. Original equipment manufacturer (OEM) certificate or authorized dealership/distributorship certificate as applicable.
50. Detailed technical write-up highlighting the model Name/ Number, features of the equipment offered and / or Technical literature/manuals.
51. Company profile along with detailed printed literature of each item or sub item quoted in the tender.
52. Compliance Certificate. Certificate of clause by clause compliance of specifications as mentioned in tender.
53. Client list/ List of users - List of Institutes / Organizations where same minimum one such work has been executed. Copy of the work order & completion certificate duly signed by the competent authority of the institute be enclosed.
54. Last 3 (three) years income tax return
55. PAN No. of the firm
56. TIN No. of the firm
57. Sales turnover of last three years
58. Firms/Business Registration documents.
59. Scanned Copy of EMD (or exemption proof, if exempted).
60. Tender Purchase Receipt

**STEP – II**

**Financial Bid to be submitted on-line at [www.mpeproc.gov.in](http://www.mpeproc.gov.in)**

**Commercial/Price bid packet (on-line)**

**(B) Submission of Mandatory Documents at Office address:**

**STEP-III: Mandatory Document to be submitted by registered post/courier/personally at Office address at JNKVV, Jabalpur**

The documents listed above in **STEP-I** (all fifteen original documents - sealed and signed on each page) to be submitted (hard copy) in the **Technical Bid Envelope – “A” (separate for each item)** at the address given below before last date as mentioned in bid as given below.

46. **Covering letter** of the participating firms (scanned copy in pdf format)
47. **Certificate for acceptance** of terms and conditions of tender enquiry on firms letterhead.
48. **Check list** properly filled-in (Annexure-I).
49. Original equipment manufacturer (OEM) certificate or **authorized dealership/distributorship certificate** as applicable.
50. **Detailed technical write-up** highlighting the model Name/Number, features of the equipment offered and / or Technical literature/manuals.
51. **Company profile** along with detailed printed literature of each item or sub item quoted in the tender.
52. **Compliance Certificate**. Certificate of clause by clause compliance of specifications as mentioned in tender.
53. Client list/ **List of users** - List of Institutes / Organizations where same minimum one such work has been executed. Copy of the work order & completion certificate duly signed by the competent authority of the institute be enclosed.
54. **Last 3 (three) years income tax return**
55. **PAN No.** of the firm
56. **TIN No.** of the firm
57. **Sales turnover** of last three years
58. **Firms/Business Registration** documents.
59. **EMD** (or exemption proof, if exempted) – original.
60. **Tender Purchase Receipt**

**Technical Bid envelope-A** of all items separately will be opened before a committee constituted for the purpose. After verification, scrutiny and due recommendation of the committee, the financial bid of the eligible tenderer who have offered their rates in the price bid shall be opened on-line.

**Physical submission of documents to following address:**

**The Dean**  
**College of Agriculture**  
**(Attention: Head Soil Science & Agril. Chemistry)**  
Jawaharlal Nehru Krishi Vishwa Vidyalaya  
Krishi Nagar, Adhartal  
Jabalpur-482 004 (M.P.), India  
Phone ( Fax) : 0761-2681119  
E-mail: [headsoilscience@gmail.com](mailto:headsoilscience@gmail.com)

**NOTE :**

- (vii) *Tenderers are requested not to submit financial bid in any envelop. The price bid will be open only after due satisfaction of technical bid on-line.*
- (viii) *Tax extra if any must be shown separately in the specified column of financial bid.*

**General Terms and Conditions:**

19. Only the manufactures and their authorized distributors or dealers or agents need to submit their tender. The authorized dealers should furnish a certificate from the manufacturer for their dealership.
20. No person or firm shall submit more than one Tender for the same item. No offer should have more than one model quoted; in case of more than one alternate offer only the first option will only be considered.
21. It is mandatory to provide all the relevant information in **Annexure I**.
22. Broad-based specifications of equipment/items/systems/works etc. are given in **Annexure II**. The tenderer should also take note of the remarks, if any, given there in.
23. a. Tender can be **purchased on-line** from [www.mpeproc.gov.in](http://www.mpeproc.gov.in) – Start Date: **18.09.2017, 10.30 am to 13.10.2017, 11.55 pm.**
  - b. Pre bid presentation date: **03.10.2017, 10.30 am.**
  - c. Uploading of revised technical specifications (if required after pre bid): **06.10.2017.**
  - d. Bids can be **submitted on-line on [www.mpeproc.gov.in](http://www.mpeproc.gov.in) upto 14.10.2017, 11.55 pm.**
  - e. **Mandatory Submission (Envelope A)** containing all original documents as required for technical bid including original EMD must be submitted in sealed cover to the **DEAN, COLLEGE OF AGRICULTURE (ATTENTION: HEAD, SOIL SCIENCE & AGRICULTURAL CHEMISTRY), JNKVV, ADHARTAL, JABALPUR - 482 004** so as to reach on or before dated **24.10.2017, 2.30 pm.**
  - f. Belated tender due to postal or any other delay will be rejected.
  - g. **Technical Bids [Mandatory Submission (Envelope A)]** will be opened on **24.10.2017, 3.00 pm.**
  - h. **Financial Bids** of qualified bidders will be opened on **2.11.2017, 3.30 pm.**
  - i. The tender for each item should be sent separately. The main duly sealed envelope should super scribed **TENDER FOR THE ITEM No. \_\_\_\_\_ (NAME OF THE EQUIPMENT) DUE on.....FOR PRAL, SOIL SCIENCE & AGRICULTURAL CHEMISTRY DEPARTMENT.**
  - j. If offers for more than one item are clubbed together, tender will be rejected.
  - k. The tender offers should have a validity of 180 days or more from the due date. The tenders will be valid for 6 months from the date of opening.
  - l. J.N. Krishi Vishwa Vidyalaya reserves the right to extend the opening due date and or the date of opening the tenders.
  - m. All the leaflets in the offer should be original marked with signature and seal of authorized person.
24. The bidder should be a manufacturer who must have manufactured, tested and supplied in India, the equipment similar to the type specified. Bids of bidders quoting as authorized representative of a manufacturer, meeting with the above requirements in full, can also be considered, provided.
  - a. The manufacturer furnishes a legally enforceable authorization in the prescribed form, assuming full warranty and CMC obligations for the goods offered; and



- b. The bidder, as authorized representative, has supplied, installed and satisfactorily commissioned and provided after sales service for similar equipment in India during the last 10 years.
7.
  - a. The rates quoted should be for single complete unit with F.O.R. delivery at JNKVV, Jabalpur. The rates quoted should be inclusive of packing and forwarding charges/loading/unloading/handling charges/freight/full risk coverage insurance, etc. In case of imported goods all the expenses towards custom duty, clearing charges and transportation with insurance will be borne by the firm/tenderer and they must quote the rates FOR, JNKVV, Jabalpur. The rate should be quoted in Indian Rupees only.
  - b. Custom duty (with and without exemption certificate) and other levies, if any should be shown separately and the total price of each item should be worked out incorporating the same.
  - c. Any other charges, if any, should be shown separately for each item and each sub-item.
  - d. Prices for the main item and accessories only should be given separately. This is necessary to workout prices of a desired configuration.
8. The tender should be accompanied by detailed printed technical literature with specifications, make and model number of each item and each sub-item quoted in the tender. Specifications given in the offer must match to the website and/or authentic printed technical literature or better otherwise the offers shall be rejected.
9. All losses during transport will have to be borne by the tenderers.
10. The tenderers must provide original guarantee/warranty on manufacturer's letter head of satisfactory functioning of the equipment/system and free service including free replacement of parts for a period of at least **5 years** from the date of successful and satisfactory installation of the equipment/system.
11. It is mandatory to quote the latest model of said instrument for pesticide residue analysis. Quote should not be for refurbished instrument. The unit of the same model must have installed three or more units in India. Vendor must also furnish the purchase details of the said model.
12. Vendor shall be able to demonstrate sensitivity parameter and other features claimed at our laboratory with real sample. The extract of the sample can be obtained from this laboratory on publication of the tender. Along with that vendor needs to submit the performance data for the quoted model in support of specifications with the offer. The data may be generated by vendor's laboratory in India or abroad.
13. Two-year comprehensive warranty after installation followed by free three-year Comprehensive Maintenance Contract (CMC) is mandatory. Minimum three-visit of service engineer is required per annum. No expenditure (either for repairs and replacement of consumable and/or non-consumable parts and/or custom clearance) will be borne by us during warranty and CMC period, however required documents will be provided. All the supplied items should be covered under warranty and CMC period. Break down period should not exceed more than 10 days in any case.
14. The Supplier shall warrant that the Goods supplied under this Contract are new, unused, of the most recent or current models and those they incorporate all recent improvements in design and materials unless provided otherwise in the Contract. The Supplier shall further warrant that all Goods supplied under this Contract shall have no defect, arising from design, materials or workmanship or from any act or omission of the Supplier that may develop under normal use of the supplied Goods in conditions prevailing in the country of consignee destination. The Purchaser/consignee shall promptly notify the Supplier in writing of any claims arising under this warranty. "Upon receipt of such notice, the Supplier shall within 10 days repair or replace the defective goods or parts thereof, free of cost at the ultimate destination. The Supplier shall take over the replaced parts/goods at the time of their replacement. No claim whatsoever shall lie on the Purchaser for the replaced parts/goods thereafter. In the event of any correction of defects or replacement of defective material during the warranty period,

the warranty for the corrected/replaced material shall be extended to a further period of **twenty four (24) months**.

15. **Training:**

- a. Minimum four onsite application training after successful installation as and when required during first year.
- b. From second year onward, two onsite training per year (on demand) till the end of CMC period.
- c. Training for three persons at your advanced training centre.

16. On approval of the tender, security deposit (10 % of the basic cost of item including accessories) should be deposited in terms of FDR valid for the warranty period of 2 years from any Nationalized bank payable to **“Dean, College of Agriculture, JNKVV, Jabalpur”**. Security deposit will be returned after successful completion of warranty. The security deposit shall have to be submitted at the time of receiving the supply order and the respective EMD will be return.

35. In case of disputes, decision of Vice Chancellor, JNKVV, Jabalpur will be final and acceptable to all the parties.

36. Supplier should provide the list of items which are covered under consumables. The items not listed in the consumables would be considered as spare parts for the purpose of warranty obligation including replacement/repairs.

37. Quote the rates in INR for CMC for 1<sup>st</sup>, 2<sup>nd</sup> and 3<sup>rd</sup> year after five years of installation.

38. On approval of the tender supplier should make the agreement on the Rs. 100 stamp paper that aforesaid "Terms and Conditions" are agreeable to them. This should be signed and stamped in the presence of two witness and purchaser.

39. Software developed during warranty/CMC period should be provided latest version.

40. The instrument is supposed to be installed at new location when the planned one is under construction, then the supplier has to reinstall the instruments at free of cost at the newly planned location/building.

23. **Tender Document Cost:**

The details of tender document can be downloaded from website ([www.mpeproc.gov.in](http://www.mpeproc.gov.in)) and tender document cost only should be submitted on-line on the portal.

24. **EMD:**

The “**TechnicalBid**” of each item must be accompanied by **Earnest Money Deposit (EMD) as shown against each item in Annexure-II** in the form of Crossed Bank Draft/ Pay Order/ Banker’s/ Manager’s/ FDR/ TRD of any Nationalized Bank made in favour of **“DEAN, COLLEGE OF AGRICULTURE, JNKVV, Jabalpur”**. Without the earnest money in the above form, the offers will be rejected. The EMD in the form of **Firm’s Cheque will not be accepted and the offer will be rejected**.

25. **Payment Terms:**

- a. The standard terms and conditions of payment are in 40% against delivery, 50% after the successful installation, demonstration and training to the satisfaction of JNKVV authorities and remaining 10% after warranty period of two years.
- b. GST as applicable and HS code should be mentioned in tender.

26. Please quote maximum discounted price, as no further negotiations will be made.

27. Complimentary items/gifts offered will not be taken into account for calculating the cost of the item.
28. The offer must mention latest model and company must enclose original printed literature/catalogue/manufacturer's web-site showing detailed technical specifications required. A folder showing many instruments without detailed technical specification, or tailor made literature mentioning "yes" or "as per your specifications" for the specifications asked for, will not be considered. Specifications given in the offer must match to the website and / or printed technical literature otherwise the offer shall be rejected.
29. Firm must provide a compliance statement vis-à-vis specifications in a "tabular form" clearly stating the compliance, supported by technical literature with clear reference. This statement must be signed, with the company seal, by the Tenderer for its authenticity and acceptance that any incorrect or ambiguous information found submitted will result in disqualification of the offer.
30. Any deviation, variation of non-compliance of the terms and conditions by the tenders shall be considered as a breach of contract and JNKVV reserves the right to forfeit the amount of earnest money and/or security deposit in part or in full and take action as per legal arrangement.
31. Any judiciary matter shall be in Judiciary of Jabalpur only.
32. Tender will not be considered if the firm does not supply a copy of the TIN & PAN allotted to it. PAN of the owner or any other persons will not be accepted.
33. J.N. Krishi Vishwa Vidyalaya reserves the right to accept or reject any or all offers in full or in part without assigning any reason (s) therefore. It also reserves the right to place an order wholly or in part with one or more than one firm as they may be convenient to JNKVV.
34. The tenders shall have to give an undertaking that the terms and conditions as mentioned above in this tender are acceptable to the tenderers (in Annexure I).
35. After Pre bid no communication will be entertained from bidders.
36. Bidder must provide an affidavit on a non judicial stamp paper of Rs. 100/- stating that the bidder and principal are not black listed & with no legal imprisonment with regards to supply of the product.

#### **RATES OF COMPREHENSIVE MAINTANANCE CONTRACT FOR HPLC**

<b>Particulars</b>	<b>Price (In Indian Rupees)</b>
First Year CMC (6 <sup>th</sup> year after installation)	
Second Year CMC (7 <sup>th</sup> year after installation)	
Third Year CMC (8 <sup>th</sup> year after installation)	

**DEAN  
COLLEGE OF AGRICULTURE  
JNKVV, Jabalpur**

Tender No.: IPRO/DAC/PRAL/RKVY/2017-18/45

Dated: 18.09.2017

**KEY DATES**

Sl. No.	Vivekananda Hall, College of Agriculture, JNKVV, Jabalpur	Bidder's Stage	Start		Expiry		Envelopes
			Date	Time	Date	Time	
1.	--	Purchase of Tender – Online	18.09.2017	10:30 am	13.10.2017	11:55 pm	--
2.	--	Pre bid presentation	03.10.2017	10:30 am	--	--	--
3.	--	Uploading of revised technical specifications (if required after pre-bid)	06.10.2017	--	--	--	--
4.	--	Bid Submission – Online	--	--	14.10.2017	11:55 pm	--
5.	<b>Mandatory Submission (Envelop A) to Office of Dean, College of Agriculture JNKVV, Jabalpur</b>	--	--	--	24.10.2017	2:30 pm	--
6.	<b>Technical Bid Open (Envelope-A)</b>	--	--	--	24.10.2017	3:00 pm	A
7.	<b>Financial Bid Open (Envelope-B)</b>	--	02.11.2017	3:30 pm	--	--	B

*Original term deposit receipt of earnest money deposit, demand draft for the cost of bid document and affidavit shall be submitted by the bidder so as to reach the office as prescribed in Bid Data Sheet at specified time and date i.e 24.10.2017, 2:30 pm at Office of Dean, College of Agriculture, JNKVV, Jabalpur.*

**DEAN, COLLEGE OF AGRICULTURE, JNKVV, JABALPUR****Tender No.: IPRO/DAC/PRAL/RKVY/2017-18/45****Dated: 18.09.2017****SUPPLEMENT / CHECK-LIST TO BE PROVIDED WITH TECHNICAL BID**

ITEM No. \_\_\_\_\_ NAME \_\_\_\_\_

<b>Sl. No.</b>	<b>Information required</b>	<b>Yes/No</b>	<b>Page No. in the Tender</b>
1.	Dully filled Tender Form along with the Technical Compliance statement (All the pages should be signed & initialed)		
2.	Crossed DD for Tender fee of `1,000/- (rupees one thousand only)		
3.	Make of main item		
4.	Model of main item		
5.	Name of manufacturer of Main Item		
6.	Country of origin of main item		
7.	Make and model of sub item I (if any)		
8.	Make and model of sub-item II (if any)		
9.	Make and model of sub-item III (if any)		
10.	Delivery within (days)		
11.	Payment terms		
12.	Order to be placed on		
13.	Guarantee/Warrantee		
14.	Installation Charges (if any)		
15.	Validity (at least 180 days)		
16.	Delivery charges(if any)		
17.	Insurance charges(if any)		
18.	Training charges (if any)		
19.	FOR: JNKVV, Jabalpur		
20.	List of current users in Madhya Pradesh/India with contact details (Attach, if any)		
21.	Certification of satisfactory working of the equipment (Attach, if any)		

22.	Company Certification (ISO, etc.)		
23.	Compliance of equipment with current directives of ISI / CE / EEC / US / EU or equivalent standards		
24.	Whether manufacturer / authorized distributor /dealer/ agent? (Attach certificate)		
25.	Technical literature/brochure of the system quoted in original (Attach, if any)		
26.	Earnest money deposit (EMD) of Rs. 1,20,000/- (rupees one lakh twenty thousand only) attached with financial bid (DD No., Bankers name, date etc.)		
27.	Situations of Authorized service centres/ service personals etc.		
28.	List of items which are covered under consumables		
29.	Rates of additional Comprehensive Maintenance Contract (After 5 <sup>th</sup> year of installation)		
30.	Performance data of real sample		
31.	Relevant documents such as ITCC, ST registration shop Act. establishment certificate, factory registration etc. (Enlist)		
32.	TIN and PAN allotted (Attach a copy, if any)		
33.	Any other relevant information		

### **DECLARATION**

The terms and conditions as mentioned in the tender are acceptable to us.

Signature of Tenderer

**DEAN, COLLEGE OF AGRICULTURE, JNKVV, JABALPUR**

**Tender No.: IPRO/DAC/PRAL/RKVY/2017-18/45**

**Dated: 18.09.2017**

**Item and Specifications**

**Item No. 4: HPLC**

(In case more than one model / combination is quoted, attach separate compliance sheets for each. *Please provide all the relevant document of the technical specifications and technical compliance statement.*)

Pesticide Residues Analysis Laboratory, JNKVV, Jabalpur is going to establish state-of-the-art laboratory in the field of pesticide residue analysis from food, feed and water. For the analysis of residues of various pesticides and other toxins/contaminants having non-volatile properties, HPLC equipped with PDA is required. Competitive rates are therefore invited from different parties for fast HPLC comprising main unit, auto sampler, PDA, compatible data system-software-hardware and other allied parts which are supplied as standard by the party for the specific make.

All items required for the full-fledged function of an advanced, high sensitive HPLC system, including all software, accessories and supporting instruments as outlined below are to be quoted.

**Against each point in the technical specification, compliance must be marked as YES / NO**

FAST HPLC WITH AUTOSAMPLER, PDA, ESSENTIAL ACCESSORIES, DATA SYSTEM SOFTWARE AND HARDWARE WITH FOLLOWING SPECIFICATIONS.

Required Technical Specifications		Complying? (Yes/No)	Remarks
<b>A.</b>	<b>Analytical quaternary High Performance Liquid Chromatography system with auto sampler, Data Station and PDA detector.</b>		
<b><i>1. Quaternary Gradient Pump</i></b>			
i.	Flow rate range: 0.001 to 5.0 mL/min.		
ii.	Flow rate accuracy: ± 1% or better.		
iii.	Flow rate precision: 0.075% or better.		
iv.	Maximum pressure: 9000 psi and above.		
v.	Solvent degassing Built-in, 4-channels or more.		
vi.	Gradient Profile: More than 10 gradient curves.		
vii.	Should have 2 fluidic path by default with different dwell volume of 200 µL.		
<b><i>2. For Gradient</i></b>			
i.	No. of solvents: up to four		
ii.	Composition setting range:  0-100 % 0.1 % step		
iii.	Composition accuracy: ± 0.5 %		

<b>3. On-line Degasser</b>			
<b>4. Column Oven</b>			
i.	Temperature Range 20 °C to 80 °C, Temperature Accuracy ±0.5 °C, Temperature Stability ± 0.1 °C, Temperature Precision ± 0.1 to 0.4 °C.		
<b>5. Auto sampler</b>			
i.	Injection volume range: 0.1 to 50 µL (100-1000 µL optional)		
ii.	Injection volume accuracy: ± 0.5% at 50 and 90 µL.		
iii.	Injection volume precision: < 0.3%.		
iv.	Injection linearity : > 0.999.		
v.	Number of vials: 100, 2 mL capacity.		
vi.	Carryover: 0.002% or less.		
vii.	Integrated and programmable needle wash facility.		
viii.	Operating pressure: 9000 psi or more.		
<b>6. PDA Detector</b>			
i.	Wave length range 190-800 nm.		
ii.	Slit resolution 1.2 nm.		
iii.	Wavelength accuracy ± 1 nm.		
iv.	Drift 1.0 x 10 <sup>-3</sup> AU/h or less.		
v.	Light Source: Deuterium lamp with min 2000 working hrs warranty.		
vi.	Auto threshold for peak purity.		
vii.	2D and 3D mode in single run.		
<b>7. Data Software</b>			
i.	Original with principal manufacturer license version:  Chromatography data system for control, acquisition, processing and reporting software.  Chromatography Software should have advance independent of operating software and interface for the software to the database for strong security of data  It should have flexible reporting as users desires for complete chromatography information reporting.  It should also record the instrument event such as injection, complete instrument settings, changes & conditions in real time.  Least version suitable computer alongwith license operating software for chromatography software with laser Jet Printer (Back-to-Back) should be provided and UPS 5 KVA with 2 hrs. back-up.		
<b>B. Accessories &amp; Consumables</b>			
i.	Pump maintenance kit: 01 No.		
ii.	Detector lamps: 01 No.		
iii.	Seals for pump: 01 No.		
iv.	Syringe for auto sampler: 01 No.		
v.	Tubings and frits		



vi.	Vials for auto sampler with cap and septa: 100 Nos.		
vii.	C-18, 150 mm x 5.0 u x 4.6 mm: 01 No.		
viii.	C-5, 150 mm x 5.0 u x 4.6 mm: 01 No.		
ix.	Testing solvents (HPLC grade): water, methanol, acetonitrile etc. ( 2.5 L each).		
<b><u>NOTE:</u> PREFERENCE WILL BE GIVEN TO THE VENDOR CAPABLE OF SUPPLYING COMPLETE PACKAGE OF HPLC AND SPARES AS WELL AS ESSENTIAL ACCESSORIES.</b>			
<b><u>To be enclosed with price bio.... Individually for each items.</u></b>			
<b>Terms and Conditions:</b>			
FOR	JNKVV, Jabalpur		
Mode of Payment			
Validity period			
Delivery period			
Warranty			
EMD (Rs.)			
Tender Fee (Rs.)			
<b>Papers / Documents:</b>			
Printed Brochure			
Valid Authorization Certificate			
Users' List			

**Declaration by the Bidder**

It is hereby declared that the details given above are correct as pertaining to the quoted model, and all data and reports required for substantiation of technical claims have been submitted.

SIGNATURE OF TENDERER  
SEAL OF THE COMPANY

**JAWAHARLAL NEHRU KRISHI VISHWA VIDYALAYA  
JABALPUR - 482 004 (M.P.)**

**E-Tender Document**

**Item No. 5**

**ITEM RATE TENDER**

**Tender No.: IPRO/DAC/PRAL/RKVY/2017-18/45      Dated: 18.09.2017**

**Supply of Water Purification System**

**Cost of Tender Document: Rs. 1,000/-**

**EMD: Rs. 50,000/-**



**COLLEGE OF AGRICULTURE  
JAWAHARLAL NEHRU KRISHI VISHWA VIDYALAYA  
JABALPUR - 482 004 (M.P.)**

**PESTICIDE RESIDUE ANALYSIS LABORATORY**  
**COLLEGE OF AGRICULTURE**  
**JAWAHARLAL NEHRU KRISHI VISHWA VIDYALAYA**  
**JABALPUR - 482 004 (M.P.)**

**DETAILS OF MANUFACTURER/ BIDDER:**

<b>1.</b>	<b>Name &amp; full address of the Manufacturer</b>	<b>:</b>	
<b>2.</b>	<b>m) Telephone No.</b> <b>n) Fax No.</b> <b>o) E-mail</b>	<b>:</b> <b>:</b> <b>:</b>	
<b>3.</b>	<b>Location of the manufacturing factory</b>	<b>:</b>	
<b>4.</b>	<b>Name &amp; full address of the Bidder</b>	<b>:</b>	
	<b>m) Telephone/ Mobile No.</b> <b>n) Fax No.</b> <b>o) E-mail</b>	<b>:</b> <b>:</b> <b>:</b>	
	<b>PAN No.</b>	<b>:</b>	
	<b>TIN No.</b>	<b>:</b>	



**COLLEGE OF AGRICULTURE**  
**JAWAHARLAL NEHRU KRISHI VISHWA VIDYALAYA JABALPUR**  
– 482 004 (M.P.)

**E-Tender**

**Tender No.: IPRO/DAC/PRAL/RKVY/2017-18/45**

**Dated: 18.09.2017**

E-tender invited for the supply of **Water Purification System** and its components required for Pesticide Residue Analysis Laboratory under RKVY Project from manufactures or their authorized dealers or agents. Documents are available on portal, [www.mpeproc.gov.in](http://www.mpeproc.gov.in) and information on [www.jnkvv.org](http://www.jnkvv.org). Purchase of on-line tender from 18<sup>th</sup> September, 2017, 10.30 am to 13<sup>th</sup> October, 2017 upto 11.55 pm. Pre-bid presentation on 3<sup>rd</sup> October, 2017, 10.30 am. Uploading of revised technical specifications (if required after pre - bid) on 6<sup>th</sup> October, 2017. Last date of submission of on-line tender is 14<sup>th</sup> October, 2017 upto 11.55 pm. Last date of submission of Technical Bid/ EMD/ Tender fees etc. to this Office is 24<sup>th</sup> October, 2017 upto 2.30 pm. Opening of Technical Bid on 24<sup>th</sup> October, 2017 at 3.00 pm and Financial Bid open on 2<sup>nd</sup> November, 2017 at 3.30 pm.

**Dean**  
**College of Agriculture**  
**JNKVV, Jabalpur**

Sl. No.	Name of the Item	FOR at (Installation Location)	Tender Document Cost (Rs.)	EMD (Rs.)
1.	<b>Water Purification System</b>	Jabalpur	1,000/-	50,000/-

The details of tender can also be viewed at [www.jnkvv.org](http://www.jnkvv.org). Please read and follow the instructions carefully to avoid the rejection of the tender. You are also requested to send your representatives, duly authorized in writing, to attend the Technical Evaluation and clarification regarding bids.

**Dean**  
**College of Agriculture**  
**JNKVV, Jabalpur**

**For any technical support please contact tollfree number – 18002588684**

**For Quick Response Contact: Toll free No: 18002588684**

**Mail id: [eproc\\_helpdesk@mpsdc.gov.in](mailto:eproc_helpdesk@mpsdc.gov.in)**

**Support timings: Monday to Saturday from 10:00 AM to 7:00 PM**

**For Escalations/Complaints please contact: [eproc.esc@gmail.com](mailto:eproc.esc@gmail.com)**

**For Quick Response related to e - payment refund cases only,**

**Contact: 011 - 49424365**

**Mail ID: [mpepaymenthelpdesk@gmail.com](mailto:mpepaymenthelpdesk@gmail.com)**

**Support timings: Monday to Saturday from 9:00 AM to 6:00 PM**

## **SOLUTION PROVIDER**

**Tata Consultancy Services & Antares Systems Limited**

**e - mail ID : [eproc\\_helpdesk@mpsdc.gov.in](mailto:eproc_helpdesk@mpsdc.gov.in)**

**Toll free no. : 18002588684**

**MPSEDC Helpline Numbers: 08517936082, 07566660425, 08989685065**

**Any updation /modification/further call, if required and any other changes in respect of above tender will only be available on [www.jnkvv.org](http://www.jnkvv.org) and [www.mpeproc.nic.in](http://www.mpeproc.nic.in)**

**Please visit [www.mpeproc.gov.in](http://www.mpeproc.gov.in) and [www.jnkvv.org](http://www.jnkvv.org) for regular updates**

**JAWAHARLAL NEHRU KRISHI VISHWA VIDYALAYA  
JABALPUR - 482 004 (M.P.)**

**Tender No.: IPRO/DAC/PRAL/RKVY/2017-18/45**

**Dated: 18.09.2017**

**E-TENDER DOCUMENT**

**Important Dates**

Sl. No.	Vivekananda Hall, College of Agriculture, JNKVV, Jabalpur	Bidder's Stage	Start		Expiry		Envelopes
			Date	Time	Date	Time	
1.	--	Purchase of Tender – Online	18.09.2017	10:30 am	13.10.2017	11:55 pm	--
2.	--	Pre bid presentation	03.10.2017	10:30 am	--	--	--
3.	--	Uploading of revised technical specifications (if required after pre-bid)	06.10.2017	--	--	--	--
4.	--	Bid Submission – Online	--	--	14.10.2017	11:55 pm	--
5.	<b>Mandatory Submission (Envelop A) to Office of Dean, College of Agriculture JNKVV, Jabalpur</b>	--	--	--	24.10.2017	2:30 pm	--
6.	<b>Technical Bid Open (Envelope-A)</b>	--	--	--	24.10.2017	3:00 pm	A
7.	<b>Financial Bid Open (Envelope-B)</b>	--	02.11.2017	3:30 pm	--	--	B

# JAWAHARLAL NEHRU KRISHI VISHWA VIDYALAYA, JABALPUR

Tender No.: IPRO/DAC/PRAL/RKVY/2017-18/45

Dated: 18.09.2017

## Procedure for On-line Submission of Tender Document

The Tender for the above works are invited online. The following procedure will be adopted for online opening of the price bids.

### **DEPOSITING THE BIDS:**

The bids will be submitted through on-line mode of [www.mpeproc.gov.in](http://www.mpeproc.gov.in). However, certain documents would be required to be submitted physically to our office. Details are as follows:-

### **(A) On-line Submission on website [www.mpeproc.gov.in](http://www.mpeproc.gov.in):**

#### **STEP – I**

#### **Technical Bid / Mandatory Documents to be submitted on-line at [www.mpeproc.gov.in](http://www.mpeproc.gov.in)**

61. Covering letter of the participating firms (scanned copy in pdf format).
62. Certificate for acceptance of terms and conditions of tender enquiry on firms letterhead.
63. Check list properly filled-in (Annexure-I).
64. Original equipment manufacturer (OEM) certificate or authorized dealership/distributorship certificate as applicable.
65. Detailed technical write-up highlighting the model Name/ Number, features of the equipment offered and / or Technical literature/manuals.
66. Company profile along with detailed printed literature of each item or sub item quoted in the tender.
67. Compliance Certificate. Certificate of clause by clause compliance of specifications as mentioned in tender.
68. Client list/ List of users - List of Institutes / Organizations where same minimum one such work has been executed. Copy of the work order & completion certificate duly signed by the competent authority of the institute be enclosed.
69. Last 3 (three) years income tax return
70. PAN No. of the firm
71. TIN No. of the firm
72. Sales turnover of last three years
73. Firms/Business Registration documents.
74. Scanned Copy of EMD (or exemption proof, if exempted).
75. Tender Purchase Receipt

#### **STEP – II**

#### **Financial Bid to be submitted on-line at [www.mpeproc.gov.in](http://www.mpeproc.gov.in)**

**Commercial/Price bid packet (on-line)**

### **(B) Submission of Mandatory Documents at Office address:**

**STEP-III: Mandatory Document to be submitted by registered post/courier/personally at Office address at JNKVV, Jabalpur**

The documents listed above in **STEP-I** (all fifteen original documents - sealed and signed on each page) to be submitted (hard copy) in the **Technical Bid Envelope – “A” (separate for each item)** at the address given below before last date as mentioned in bid as given below.

61. **Covering letter** of the participating firms (scanned copy in pdf format)
62. **Certificate for acceptance** of terms and conditions of tender enquiry on firms letterhead.
63. **Check list** properly filled-in (Annexure-I).
64. Original equipment manufacturer (OEM) certificate or **authorized dealership/distributorship certificate** as applicable.
65. **Detailed technical write-up** highlighting the model Name/Number, features of the equipment offered and / or Technical literature/manuals.
66. **Company profile** along with detailed printed literature of each item or sub item quoted in the tender.
67. **Compliance Certificate**. Certificate of clause by clause compliance of specifications as mentioned in tender.
68. Client list/ **List of users** - List of Institutes / Organizations where same minimum one such work has been executed. Copy of the work order & completion certificate duly signed by the competent authority of the institute be enclosed.
69. **Last 3 (three) years income tax return**
70. **PAN No.** of the firm
71. **TIN No.** of the firm
72. **Sales turnover** of last three years
73. **Firms/Business Registration** documents.
74. **EMD** (or exemption proof, if exempted) – original.
75. **Tender Purchase Receipt**

**Technical Bid envelope-A** of all items separately will be opened before a committee constituted for the purpose. After verification, scrutiny and due recommendation of the committee, the financial bid of the eligible tenderer who have offered their rates in the price bid shall be opened on-line.

**Physical submission of documents to following address:**

**The Dean**  
**College of Agriculture**  
**(Attention: Head Soil Science & Agril. Chemistry)**  
Jawaharlal Nehru Krishi Vishwa Vidyalaya  
Krishi Nagar, Adhartal  
Jabalpur-482 004 (M.P.), India  
Phone ( Fax) : 0761-2681119  
E-mail: [headsoilscience@gmail.com](mailto:headsoilscience@gmail.com)

**NOTE :**

- (ix) *Tenderers are requested not to submit financial bid in any envelop. The price bid will be open only after due satisfaction of technical bid on-line.*
- (x) *Tax extra if any must be shown separately in the specified column of financial bid.*



**General Terms and Conditions:**

25. Only the manufactures and their authorized distributors or dealers or agents need to submit their tender. The authorized dealers should furnish a certificate from the manufacturer for their dealership.
26. No person or firm shall submit more than one Tender for the same item. No offer should have more than one model quoted; in case of more than one alternate offer only the first option will only be considered.
27. It is mandatory to provide all the relevant information in **Annexure I**.
28. Broad-based specifications of equipment/items/systems/works etc. are given in **Annexure II**. The tenderer should also take note of the remarks, if any, given there in.
29. a. Tender can be **purchased on-line** from [www.mpeproc.gov.in](http://www.mpeproc.gov.in) – Start Date: **18.09.2017, 10.30 am to 13.10.2017, 11.55 pm.**
  - b. Pre bid presentation date: **03.10.2017, 10.30 am.**
  - c. Uploading of revised technical specifications (if required after pre bid): **06.10.2017.**
  - d. Bids can be **submitted on-line on [www.mpeproc.gov.in](http://www.mpeproc.gov.in) upto 14.10.2017, 11.55 pm.**
  - e. **Mandatory Submission (Envelope A)** containing all original documents as required for technical bid including original EMD must be submitted in sealed cover to the **DEAN, COLLEGE OF AGRICULTURE (ATTENTION: HEAD, SOIL SCIENCE & AGRICULTURAL CHEMISTRY), JNKVV, ADHARTAL, JABALPUR - 482 004** so as to reach on or before dated **24.10.2017, 2.30 pm.**
  - f. Belated tender due to postal or any other delay will be rejected.
  - g. **Technical Bids [Mandatory Submission (Envelope A)]** will be opened on **24.10.2017, 3.00 pm.**
  - h. **Financial Bids** of qualified bidders will be opened on **2.11.2017, 3.30 pm.**
  - i. The tender for each item should be sent separately. The main duly sealed envelope should super scribed **TENDER FOR THE ITEM No. \_\_\_\_\_ (NAME OF THE EQUIPMENT) DUE on.....FOR PRAL, SOIL SCIENCE & AGRICULTURAL CHEMISTRY DEPARTMENT.**
  - j. If offers for more than one item are clubbed together, tender will be rejected.
  - k. The tender offers should have a validity of 180 days or more from the due date. The tenders will be valid for 6 months from the date of opening.
  - l. J.N. Krishi Vishwa Vidyalaya reserves the right to extend the opening due date and or the date of opening the tenders.
  - m. All the leaflets in the offer should be original marked with signature and seal of authorized person.
30. The bidder should be a manufacturer who must have manufactured, tested and supplied in India, the equipment similar to the type specified. Bids of bidders quoting as authorized representative of a manufacturer, meeting with the above requirements in full, can also be considered, provided.
  - a. The manufacturer furnishes a legally enforceable authorization in the prescribed form, assuming full warranty and CMC obligations for the goods offered; and

- b. The bidder, as authorized representative, has supplied, installed and satisfactorily commissioned and provided after sales service for similar equipment in India during the last 10 years.
7.
  - a. The rates quoted should be for single complete unit with F.O.R. delivery at JNKVV, Jabalpur. The rates quoted should be inclusive of packing and forwarding charges/loading/unloading/handling charges/freight/full risk coverage insurance, etc. In case of imported goods all the expenses towards custom duty, clearing charges and transportation with insurance will be borne by the firm/tenderer and they must quote the rates FOR, JNKVV, Jabalpur. The rate should be quoted in Indian Rupees only.
  - b. Custom duty (with and without exemption certificate) and other levies, if any should be shown separately and the total price of each item should be worked out incorporating the same.
  - c. Any other charges, if any, should be shown separately for each item and each sub-item.
  - d. Prices for the main item and accessories only should be given separately. This is necessary to workout prices of a desired configuration.
8. The tender should be accompanied by detailed printed technical literature with specifications, make and model number of each item and each sub-item quoted in the tender. Specifications given in the offer must match to the website and/or authentic printed technical literature or better otherwise the offers shall be rejected.
9. All losses during transport will have to be borne by the tenderers.
10. The tenderers must provide original guarantee/warranty on manufacturer's letter head of satisfactory functioning of the equipment/system and free service including free replacement of parts for a period of at least **5 years** from the date of successful and satisfactory installation of the equipment/system.
11. It is mandatory to quote the latest model of said instrument for pesticide residue analysis. Quote should not be for refurbished instrument. The unit of the same model must have installed three or more units in India. Vendor must also furnish the purchase details of the said model.
12. Vendor shall be able to demonstrate sensitivity parameter and other features claimed at our laboratory with real sample. The extract of the sample can be obtained from this laboratory on publication of the tender. Along with that vendor needs to submit the performance data for the quoted model in support of specifications with the offer. The data may be generated by vendor's laboratory in India or abroad.
13. Two-year comprehensive warranty after installation followed by free three-year Comprehensive Maintenance Contract (CMC) is mandatory. Minimum three-visit of service engineer is required per annum. No expenditure (either for repairs and replacement of consumable and/or non-consumable parts and/or custom clearance) will be borne by us during warranty and CMC period, however required documents will be provided. All the supplied items should be covered under warranty and CMC period. Break down period should not exceed more than 10 days in any case.
14. The Supplier shall warrant that the Goods supplied under this Contract are new, unused, of the most recent or current models and those they incorporate all recent improvements in design and materials unless provided otherwise in the Contract. The Supplier shall further warrant that all Goods supplied under this Contract shall have no defect, arising from design, materials or workmanship or from any act or omission of the Supplier that may develop under normal use of the supplied Goods in conditions prevailing in the country of consignee destination. The Purchaser/consignee shall promptly notify the Supplier in writing of any claims arising under this warranty. "Upon receipt of such notice, the Supplier shall within 10 days repair or replace the defective goods or parts thereof, free of cost at the ultimate destination. The Supplier shall take over the replaced parts/goods at the time of their replacement. No claim whatsoever shall lie on the Purchaser for the replaced parts/goods thereafter. In the event of any correction of defects or replacement of defective material during the warranty period,

the warranty for the corrected/replaced material shall be extended to a further period of **twenty four (24) months**.

15. **Training:**

- a. Minimum four onsite application training after successful installation as and when required during first year.
- b. From second year onward, two onsite training per year (on demand) till the end of CMC period.
- c. Training for three persons at your advanced training centre.

16. On approval of the tender, security deposit (10 % of the basic cost of item including accessories) should be deposited in terms of FDR valid for the warranty period of 2 years from any Nationalized bank payable to **“Dean, College of Agriculture, JNKVV, Jabalpur”**. Security deposit will be returned after successful completion of warranty. The security deposit shall have to be submitted at the time of receiving the supply order and the respective EMD will be return.

41. In case of disputes, decision of Vice Chancellor, JNKVV, Jabalpur will be final and acceptable to all the parties.

42. Supplier should provide the list of items which are covered under consumables. The items not listed in the consumables would be considered as spare parts for the purpose of warranty obligation including replacement/repairs.

43. Quote the rates in INR for CMC for 1<sup>st</sup>, 2<sup>nd</sup> and 3<sup>rd</sup> year after five years of installation.

44. On approval of the tender supplier should make the agreement on the Rs. 100 stamp paper that aforesaid "Terms and Conditions" are agreeable to them. This should be signed and stamped in the presence of two witness and purchaser.

45. Software developed during warranty/CMC period should be provided latest version.

46. The instrument is supposed to be installed at new location when the planned one is under construction, then the supplier has to reinstall the instruments at free of cost at the newly planned location/building.

23. **Tender Document Cost:**

The details of tender document can be downloaded from website ([www.mpeproc.gov.in](http://www.mpeproc.gov.in)) and tender document cost only should be submitted on-line on the portal.

24. **EMD:**

The “**TechnicalBid**” of each item must be accompanied by **Earnest Money Deposit (EMD) as shown against each item in Annexure-II** in the form of Crossed Bank Draft/ Pay Order/ Banker’s/ Manager’s/ FDR/ TRD of any Nationalized Bank made in favour of **“DEAN, COLLEGE OF AGRICULTURE, JNKVV, Jabalpur”**. Without the earnest money in the above form, the offers will be rejected. The EMD in the form of **Firm’s Cheque will not be accepted and the offer will be rejected**.

25. **Payment Terms:**

- a. The standard terms and conditions of payment are in 40% against delivery, 50% after the successful installation, demonstration and training to the satisfaction of JNKVV authorities and remaining 10% after warranty period of two years.
- b. GST as applicable and HS code should be mentioned in tender.

26. Please quote maximum discounted price, as no further negotiations will be made.

27. Complimentary items/gifts offered will not be taken into account for calculating the cost of the item.
28. The offer must mention latest model and company must enclose original printed literature/catalogue/manufacturer's web-site showing detailed technical specifications required. A folder showing many instruments without detailed technical specification, or tailor made literature mentioning "yes" or "as per your specifications" for the specifications asked for, will not be considered. Specifications given in the offer must match to the website and / or printed technical literature otherwise the offer shall be rejected.
29. Firm must provide a compliance statement vis-à-vis specifications in a "tabular form" clearly stating the compliance, supported by technical literature with clear reference. This statement must be signed, with the company seal, by the Tenderer for its authenticity and acceptance that any incorrect or ambiguous information found submitted will result in disqualification of the offer.
30. Any deviation, variation of non-compliance of the terms and conditions by the tenders shall be considered as a breach of contract and JNKVV reserves the right to forfeit the amount of earnest money and/or security deposit in part or in full and take action as per legal arrangement.
31. Any judiciary matter shall be in Judiciary of Jabalpur only.
32. Tender will not be considered if the firm does not supply a copy of the TIN & PAN allotted to it. PAN of the owner or any other persons will not be accepted.
33. J.N. Krishi Vishwa Vidyalaya reserves the right to accept or reject any or all offers in full or in part without assigning any reason (s) therefore. It also reserves the right to place an order wholly or in part with one or more than one firm as they may be convenient to JNKVV.
34. The tenders shall have to give an undertaking that the terms and conditions as mentioned above in this tender are acceptable to the tenderers (in Annexure I).
35. After Pre bid no communication will be entertained from bidders.
36. Bidder must provide an affidavit on a non judicial stamp paper of Rs. 100/- stating that the bidder and principal are not black listed & with no legal imprisonment with regards to supply of the product.

**RATES OF COMPREHENSIVE MAINTANANCE CONTRACT FOR  
WATER PURIFICATION SYSTEM**

<b>Particulars</b>	<b>Price (In Indian Rupees)</b>
First Year CMC (6 <sup>th</sup> year after installation)	
Second Year CMC (7 <sup>th</sup> year after installation)	
Third Year CMC (8 <sup>th</sup> year after installation)	

**DEAN  
COLLEGE OF AGRICULTURE  
JNKVV, Jabalpur**

Tender No.: IPRO/DAC/PRAL/RKVY/2017-18/45

Dated: 18.09.2017

**KEY DATES**

Sl. No.	Vivekananda Hall, College of Agriculture, JNKVV, Jabalpur	Bidder's Stage	Start		Expiry		Envelopes
			Date	Time	Date	Time	
1.	--	Purchase of Tender – Online	18.09.2017	10:30 am	13.10.2017	11:55 pm	--
2.	--	Pre bid presentation	03.10.2017	10:30 am	--	--	--
3.	--	Uploading of revised technical specifications (if required after pre-bid)	06.10.2017	--	--	--	--
4.	--	Bid Submission – Online	--	--	14.10.2017	11:55 pm	--
5.	<b>Mandatory Submission (Envelop A) to Office of Dean, College of Agriculture JNKVV, Jabalpur</b>	--	--	--	24.10.2017	2:30 pm	--
6.	<b>Technical Bid Open (Envelope-A)</b>	--	--	--	24.10.2017	3:00 pm	A
7.	<b>Financial Bid Open (Envelope-B)</b>	--	02.11.2017	3:30 pm	--	--	B

*Original term deposit receipt of earnest money deposit, demand draft for the cost of bid document and affidavit shall be submitted by the bidder so as to reach the office as prescribed in Bid Data Sheet at specified time and date i.e 24.10.2017, 2:30 pm at Office of Dean, College of Agriculture, JNKVV, Jabalpur.*

**DEAN, COLLEGE OF AGRICULTURE, JNKVV, JABALPUR****Tender No.: IPRO/DAC/PRAL/RKVY/2017-18/45****Dated: 18.09.2017****SUPPLEMENT / CHECK-LIST TO BE PROVIDED WITH TECHNICAL BID**

ITEM No. \_\_\_\_\_ NAME \_\_\_\_\_

<b>Sl. No.</b>	<b>Information required</b>	<b>Yes/No</b>	<b>Page No. in the Tender</b>
1.	Dully filled Tender Form along with the Technical Compliance statement (All the pages should be signed & initialed)		
2.	Crossed DD for Tender fee of `1,000/- (rupees one thousand only)		
3.	Make of main item		
4.	Model of main item		
5.	Name of manufacturer of Main Item		
6.	Country of origin of main item		
7.	Make and model of sub item I (if any)		
8.	Make and model of sub-item II (if any)		
9.	Make and model of sub-item III (if any)		
10.	Delivery within (days)		
11.	Payment terms		
12.	Order to be placed on		
13.	Guarantee/Warrantee		
14.	Installation Charges (if any)		
15.	Validity (at least 180 days)		
16.	Delivery charges(if any)		
17.	Insurance charges(if any)		
18.	Training charges (if any)		
19.	FOR: JNKVV, Jabalpur		
20.	List of current users in Madhya Pradesh/India with contact details (Attach, if any)		
21.	Certification of satisfactory working of the equipment (Attach, if any)		

22.	Company Certification (ISO, etc.)		
23.	Compliance of equipment with current directives of ISI / CE / EEC / US / EU or equivalent standards		
24.	Whether manufacturer / authorized distributor /dealer/ agent? (Attach certificate)		
25.	Technical literature/brochure of the system quoted in original (Attach, if any)		
26.	Earnest money deposit (EMD) of Rs. 50,000/- (rupees fifty thousand only) attached with financial bid (DD No., Bankers name, date etc.)		
27.	Situations of Authorized service centres/ service personals etc.		
28.	List of items which are covered under consumables		
29.	Rates of additional Comprehensive Maintenance Contract (After 5 <sup>th</sup> year of installation)		
30.	Performance data of real sample		
31.	Relevant documents such as ITCC, ST registration shop Act. establishment certificate, factory registration etc. (Enlist)		
32.	TIN and PAN allotted (Attach a copy, if any)		
33.	Any other relevant information		

### **DECLARATION**

The terms and conditions as mentioned in the tender are acceptable to us.

Signature of Tenderer

## DEAN, COLLEGE OF AGRICULTURE, JNKVV, JABALPUR

Tender No.: IPRO/DAC/PRAL/RKVY/2017-18/45

Dated: 18.09.2017

## Item and Specifications

**Item No. 5: Water Purification System**

(In case more than one model / combination is quoted, attach separate compliance sheets for each. *Please provide all the relevant document of the technical specifications and technical compliance statement.*)

All items required for the full-fledged function of an advanced, high sensitive water purification system, including all accessories and spares as outlined below are to be quoted.

**Against each point** in the technical specification, compliance must be marked as **YES / NO**

Quoted Model: \_\_\_\_\_

	Required Technical Specifications	Complying? (Yes/No)	Remarks
<b>1. Pre Filter to counter the particulate load</b>			
	One stage purification 3 Micron or 1 Micron Polypropylene graded density wrapped type depth filter with low voltage 20 watts powered DC Pump with noise levels of less than 48 Decibels		
<b>2. Pure and Ultrapure Water System (Type III)</b>			
	Pure water technical specifications: Ionic rejection: 90-99% Organic rejection: >95% Bacteria: >99% Particulate >99% Flow rate: 7-8 Ltrs/Hr  The system should have ideally the following purification stages in a single unit:  Stage 1: Pretreatment cartridge with anti scaling compounds, activated carbon filter and 1 Micron Particulate filter to obtain Chlorine and colloid free water, and compatible with Feed Water Quality of SDI levels up to 12 and total Chlorine level of 3 ppm and conductivity of 2000 micro Siemens/cm. The cartridge should be containing RFID tag to ensure the validity		



		<p>and traceability.</p> <p>Stage 2: The system should have a high Flux thin RO Membrane with 200 Daltons cutoff. Conductivity check system before and after RO membrane must be provided. Also if the water quality is not as per specification should automatically diverted to drain through a diverting valve.</p> <p>The system should have Temperature Compensation of Product water temperature of max +/- 0.1 degree irrespective of temperature changes.</p> <p>The system should have following:  In built display to ensure the system parameters are displayed all the times.  Auto diagnostic facility with Error Nos and Alarm Code and real time clock to log reports with date and time to ensure complete traceability.  Automatic Cleaning, Rising and flush mode.</p>		
<b>3. Specification for Storage Reservoir</b>				
		<p>Blow molded cylindrical conical bottom poly ethylene reservoir with minimum 10 Ltrs capacity with sensor road float switch.</p>		
<b>4. Ultra Pure Grade Water Purification System - Final Product Water Specification (Type I)</b>				
		<p>Resistivity 18.2 Mega Ohms, TOC: &lt;5 ppb, Bacterial Count less than 1 cfu/ml, Pyrogen less than 0.001 EU/MS. Flow rate: 2L/min.</p> <p>The ultrapure water should be produced from the type III water, which will pass through ion exchange cartridge and 185/254 nanometer dual wavelength UV, Product water should be delivered by point of use gun with a movable arm and auto shut off facility.</p> <p>The final point of use dispenser should have the provision to install various final filters as per the application demand by just changing the final filters (Options like 0.22 micron filter, ultra-filtration, activated carbon).</p> <p>The system should have an in-built online TOC and resistivity monitoring</p>		

		facility. The system should be in compliance with GLP Standards.		
<b>5. Limit of impurities (ppb) &amp; other parameters for water required for LC MS/MS</b>				
		A. Trace impurities (ppb) a. Al - 50 max b. Ca - 50 max c. Fe - 50 max d. Li - 30 max e. Mg - 50 max f. Ni - 30 max g. K - 50 max h. Na - 50 max B. Residue after evaporation - 1.0 ppm max C. Gradient elution Test. (a.u.) 254 nm - 0.002max D. Fluorescence Trace Impurities in ppb measured as Quinine base at 450 nm emission - 0.1 max E. At emission maximum for a. Impurities - 0.2 max b. Colour (APHA) - 10 max		
<b>6. Essential Accessories</b>				
		Minor recurring requirements for 3 years Cartridge for activated carbon filter , micron particulate filter and RFID tag cartridge	1 No. each	
<b>NOTE: PREFERENCE WILL BE GIVEN TO THE VENDOR CAPABLE OF SUPPLYING COMPLETE PACKAGE OF WATER PURIFICATION SYSTEM AND SPARES AS WELL AS ESSENTIAL ACCESSORIES.</b>				
<b><u>To be enclosed with price bio.... Individually for each items.</u></b>				
<b>Terms and Conditions:</b>				
FOR	JNKVV, Jabalpur			
Mode of Payment				
Validity period				
Delivery period				
Warranty				
EMD (Rs.)				
Tender Fee (Rs.)				
<b>Papers / Documents:</b>				
Printed Brochure				
Valid Authorization Certificate				
Users' List				

### **Declaration by the Bidder**

It is hereby declared that the details given above are correct as pertaining to the quoted model, and all data and reports required for substantiation of technical claims have been submitted.

SIGNATURE OF TENDERER  
SEAL OF THE COMPANY