

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

REVISED After Corrigendum Notification

CORRIGENDUM

Tender No. IPRO/DAC/PRAL/RKVY/2018-19/69 dated 29.09.2018, Sl. No. 3: Muffle Furnace, specifications point No.1 maximum temperature may be read as 1200 °C in place of 3600 °C and Sl. No. 9: Shaking Incubator, specifications point No. 6 platform: should accommodate may be read as 12 flasks in place of 36 flasks.

Tender Document

ITEM RATE TENDER

Tender No.: IPRO/DAC/PRAL/RKVY/2018-19/69 Dated: 29.09.2018

**Analytical Balance, Digital Homogenizer, Muffle Furnace,
Soxhlet Fat Extraction, Vacuum-Rotary (Flash) Evaporator,
B.O.D. Incubator, Deep Freezer, Refrigerated Centrifuge,
Shaking Incubator and Generator**

**Cost of Tender Document : Rs. 500/- separate for each item
EMD: Separate for each item as mentioned in Annexure-II**



COLLEGE OF AGRICULTURE

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

COLLEGE OF AGRICULTURE
Jawaharlal Nehru Krishi Vishwa Vidyalaya, Jabalpur – 482 004 (M.P.)

Tender No.: IPRO/DAC/PRAL/RKVY/2018-19/69

Dated: 29.09.2018

NOTICE INVITING TENDER

Tenders are invited for the supply of equipments for Establishment of Pesticide Residues Analysis Laboratory viz., Analytical Balance, Digital Homogenizer, Muffle Furnace, Soxhlet Fat Extraction, Vacuum-Rotary (Flash) Evaporator, B.O.D. Incubator, Deep Freezer, Refrigerated Centrifuge, Shaking Incubator and Generator. Last date for submission of complete tender at office of undersigned, is **23.10.2018, 1.00 pm**. For details visit **www.jnkvv.org**. Tender will be opened on the same day (**23.10.2018**) at **3.00 pm**.

Dean
College of Agriculture
JNKVV, Jabalpur

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

(To be filled by participating Tenderers)

Tenderer has to fill the following form. Tenders with illegible/ incomplete / false information will be summarily rejected.

- Name of Firm & Owner :
1. Registration No. of the Tenderer :
2. Complete address of Tenderer :
- Phone No. Mobile No.....
3. Permanent Account No. (PAN) :
4. GSTIN :
5. Bank Account No. & address :
6. List and copy of the orders. :
- If served Govt./Pvt./Corporate Organization/SAUs
7. Details of E.M.D. :
8. Cost of tender document : Rs. 500/- (Rs. Five Hundred only)
9. Cost of EMD : As given in Annexure

I have gone through and understood all terms and conditions of tender and submitting this tender document.

Name :.....Address :.....

.....

Phone No. :..... Mobile:.....

Signature & Seal of Tenderer

COLLEGE OF AGRICULTURE
Jawaharlal Nehru Krishi Vishwa Vidyalaya, Jabalpur – 482 004 (M.P.)

TENDER DOCUMENT

Tender No.: IPRO/DAC/PRAL/RKVY/2018-19/69

Dated: 29.09.2018

Terms and Conditions:

1. Only manufactures and their authorized distributors or dealers or agents need to submit their tender. The authorized dealers should furnish a certificate directly from the manufacturer for their dealership. Third party authorization will be rejected.
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 be considered.
3. **Equipments offered should be new and of latest technology. Second hand, rebuilt, refurbished, reassembled or renovated equipments shall not be accepted. An affirmation to this effect will have to be made on the tender form.**
4. It is mandatory to provide all the relevant information in **Annexure I**.
5. 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.
6. a. Tender must be submitted in sealed cover to the Dean, College of Agriculture, Jawaharlal Nehru Krishi Vishwa Vidyalaya, Adhartal, Jabalpur-482004 by Registered/ Speed Post, Courier or delivered personally so as to reach on or before dated **23.10.2018, 1.00 pm**.
b. Belated tender due to postal or any other delay will be rejected.
c. 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 **23.10.2018** FOR PRAL, DEPARTMENT OF SOIL SCIENCE & AGRICULTURAL CHEMISTRY.
The sealed envelope should contain “Technical” and “Price” Bid separately in sealed envelopes. Both the sealed envelopes should kept in one envelope and should super scribed:
Tender (Technical Bid and Price Bid) for the Item No. _____ (Name of the Equipment)Due on **23.10.2018**.
d. If offers for more than one item are clubbed together, tender will be rejected.
e. The tender offers should have a validity of 6 months from date of opening.
f. The tenders will be opened on **23.10.2018, 3.00 pm**. in the office of undersigned in presence of authorized representative who may wish to be present with proper authority letters from their principals.
g. J. N. Krishi Vishwa Vidyalaya reserves the right to extend the opening due date and or the date of opening the tenders.
h. All the leaflets in the offer should be original marked with signature and seal of authorized person.

7. **Technical bids (Envelop A) and Price bids (Envelop B) for each item to be submitted separately kept in one envelope – separate envelope (Envelop C containing both envelopes A and B) for separate item).** Declaration of cost of items at the time of opening of bids will not be possible. Date and time of opening of Price Bid will be intimated to the qualified tenders. **Financial Bids of only technically qualified firms will be opened.**
8.
 - 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 F.O.R, JNKVV, Jabalpur. The rate should be quoted in Indian Rupees only.
 - b. The manufacturer furnishes a legally enforceable authorization in the prescribed form, assuming full warranty obligations for the goods offered.
 - c. The bidder, as authorized representative, has supplied, installed and satisfactorily commissioned and provided after sales service for equipment in India during the last 10 years.
 - d. Excise duty/ sales tax/ GST/ custom duty (with and without concession certificate) and other levies, if any should be shown separately and the total price of each item should be worked out incorporating the same.
 - e. The institute will provide the custom duty exemption certificate if necessary for the imported instrument on arrival of goods at the port.
 - f. Prices for the main item and accessories should be given separately. This is necessary to workout prices of a desired configuration.
9. The tender should be accompanied by detailed printed technical literature with specifications, make and model number of each item and 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. Technical literature of quoted equipment (Tender Item No. must be written on the literature/ brochure).
10. The tenderer should furnish the names and addresses of the users/ govt. department etc. of each of the equipments offered.
11. The tenderer should give the details of after sales and supply of spares arrangements available for the equipments offered.
12. The tenderers should indicate against each of the items offered period of delivery from the date of placement of order/ date of acceptance.
13. In the event of a tenderer withdrawing his tender within period of its validity entire earnest money and any other deposit made by him along with the tender submitted shall be forfeited.
14. Equipments tendered should be delivered at the premises of the JNKVV situated at Jabalpur erected and handed over to the Dean, College of Agriculture in satisfactory working condition. Unloading charges will have to be borne by the Tenderer/ Supplier.
15. Rates to be quoted for delivery upto JNKVV, Jabalpur premises, inclusive of installation and commissioning of the equipments. Any damage during transportation, installation and commissioning will be the responsibility of the supplier.
16. The Dean, College of Agriculture is not bound to accept the lowest or any tender and reserves the right to accept any tender in whole or in part and shall have the right to accept or reject any tender without assigning any reason.

17. Training for operating the equipment shall have to provided free of cost by the supplier to at least three persons for one week training.
18. The tender offers should be quoted only in the tender form supplied by this office.
With competitive rates the following things should also be enclosed:-
- (a) after sale services with availability of staff, its locations and response time for attending complaints.
 - (b) authorised dealer within the M. P. Region.
 - (c) guarantee of the supply of spare parts
 - (d) training facility
19. If the approved tenderer fails to supply required equipments, then Dean, College of Agriculture, Jabalpur shall be at liberty to either re-tender or purchase such equipments for next valid tenderer. In such condition the security deposit of defaulter tenderer shall be forfeited and loss incurred to Government shall be recoverable from him as arrear of Land Revenue.
20. All losses during transit will have to be made good by the tenders at his cost within a period of 15 days.
21. The tenders must warrantee satisfactory functioning of the equipment/system for three years and free service including free replacement of parts for a period of 3 years from the date of successful and satisfactory installation of the equipment/system.
22. **Tender Document Cost:**
The details of tender document can be downloaded from JNKVV website (www.jnkvv.org) and should be submitted with tender document cost Rs. 500/- only (**non refundable and separate for each item**) in form of Demand Draft/Pay Order/Banker's Cheque in favor of The **Dean, College of Agriculture, JNKVV, Jabalpur**. No one shall be exempted from the remittance of Tender Document Cost.
23. **EMD:**
The “**Technical Bid**” 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 Cheque 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**.
24. **IMPORTANT NOTE:**
The tenderer should submit separate complete tender for each item. Each tender offer should contain the **tender document cost (Rs. 500/-) and Earnest money deposit (EMD – as given in Annexure-II) separately**.
25. **Payment Terms:**
The standard terms and conditions of payment is in full only after the successful supply, installation, commissioning, testing, demonstration and training to the satisfaction of JNKVV authorities. Payment to tenderer will made after deducting tax at source and for which

necessary certificate will be issued. As per rule Madhya Pradesh Vanijyik Kar I GSTI Entry Tax shall be deducted at source wherever applicable.

26. No advance payment will be made and documents for goods dispatched sent through bank shall not be accepted.
27. All taxes including Entry Tax, Octroi etc. will be borne by the tenderer/supplier.
28. Please quote maximum discounted price, as no further negotiations will be made.
29. **Submission of Tender:**

The **Technical and Financial Bid/ documents** should be **kept** in envelope superscribing “**Tender for Items No.....and Name of Item.....**”

due on **23.10.2018**.

Sealed envelope will be opened in the presence of committee and representatives and committee members.

Tender should contain the following documents:

TECHNICAL BID (separate Envelop A) should contain the following documents in original

1. **Covering letter** of the participating firm.
2. **Certificate for acceptance** of terms and conditions of tender on firms letterhead in original.
3. **Check list** properly filled-in (Annexure-I).
4. Original equipment manufacturer (OEM) certificate or **authorized dealership/distributorship certificate** as applicable original only directly from manufacturer. **Third party authorization will not be accepted and offer rejected.**
5. **Detailed technical write-up in original** highlighting the model Name / Number, features of the equipment offered and / or Technical literature/manuals.
6. **Company profile** along with detailed printed literature in original 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 with contact numbers of users.
9. **Last 3 (three) years income tax return**
10. **Sales turnover** of last three years with supporting documents
11. **PAN No.** of the firm with supporting document
12. **GST No.** of the firm with supporting document
13. **Firms/Business Registration** documents / Copy of valid Registration Certificate under State/Central/ Commercial Sales Act.
14. **Original EMD in prescribed form** (or exemption proof, if exempted).
15. **Original Tender Document Cost in prescribed form**
16. Manufacturing firm valid ISO Certificate with period validity
17. Undertaking letter from firm for never being black listed by any Govt./Quasi Government firms in India and no case is pending at present against the firm. This should also be made clear in the tender as a preliminary undertaking.

18. Warranty certificate for required duration as given in tender document
19. Any other item(s) specified in above terms & conditions.

FINANCIAL BID (separate Envelop B) should contain the following document in original

1. Financial Bid in prescribed FORMAT only.

Both Envelopes A and B should kept in third Envelope C for individual items.

30. The offer must mention make, model all the specifications of the item clearly. The 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.
31. 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.
32. 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. Tender which does not comply with any of the conditions is liable to rejection.
33. Any judiciary matter shall be in Judiciary of Jabalpur only.
34. Tender will not be considered if the firm does not supply a copy of the GST & PAN allotted to it. PAN of the owner or any other persons will not be accepted.

Tender shall be rejected, if-

- (a) It is not submitted in the prescribed Tender Form.
- (b) The Tender Deposit is not furnished or is furnished in any other form than those specified; any offer or demand to consider any previous year's deposit as Tender Deposit for the present tender is not acceptable and the Tender shall be deemed to be without valid deposit.
- (c) It is submitted without list of users and technical literature of the offered equipments;
- (d) Assurance letter to supply the spare parts and service engineer
- (e) The tenderer has failed to put in his signatures in all the places provided for the purpose in this Tender Form;
- (f) The tenderer has imposed any other conditions beyond those contained in this tender form;
- (g) The tenderer has made any additions or alterations in the contents of any of these pages of the Tender Form
- (h) The rates quoted are not free from erasures, corrections, overwriting or overtyping;
- (i) Copy of valid Registration Certificate under State/Central/Commercial Sales Act.

35. The competent authority shall not be bound to accept any equipments supplied in excess of the quantity mentioned in supply order(s) and of other than the prescribed specifications. The equipments not conforming to the prescribed specifications will be replaced by the firm within fifteen days after receipt of intimation by him in this behalf.
36. In the event of any loss or any shortage in transit, the contract or shall be liable to make good such of the losses and shortages found on checking of the equipments(s) by the consignee(s) from the date of receipt of intimation by the firm in this behalf. The decision of the competent authority in such cases as well as in its/their rejection shall be final, conclusive and binding on the firm.
37. If the firm fails to make supplies within the time specified in the supply order, or to make up the deficiency demanded or to replace the rejected equipments (s) and/or material(s) within the prescribed time, the competent authority may at the cost and risk of the firm purchase said equipments(s) etc. from any other source after giving notice to the firm and recover from the firm any extra cost incurred in making such purchases above the contracted price or deduct the same from any sum payable to the firm or from his security and tender deposits.
38. If the firm fails to remove the rejected equipments(s) etc. the competent authority shall return them at the firm's own cost and risk to his last known address and deduct the expenses incurred thereon from any of the sums payable to the firm or from his security and tender deposits. The competent authority shall not be liable for any deficiency in or damage to the rejected equipments(s) occasioned or occurring while they remain in or under his possession or control or in transit.
39. Prices shall remain unchanged during the contract period or 6 months from the date of commencement of agreement. The rate once approved by the Committee shall not be increased for any reason or under any circumstances such as variation of exchange rates or increase in cost of product or increase in transportation etc. Supplier will be bound to supply on the same rates as quoted in the tender. No claim will be entertained for revision to a higher quantity slab, higher production/clearance slab of excise levy although payable by the manufacturer. The Dean, College of Agriculture, Jabalpur may accept revision in price, only in the event of any revision to the basic rate of excise duty, as applicable on the date of agreement, effected by the Govt. of India. A certificate regarding deposit of enhanced excise levy shall have to be furnished by the manufacturer/supplier.
40. Free Service - The firm will provide without extra charges and free service for a period of 36 months from the date of installation of the equipments(s) for the defects, if any in the equipments(s) at the respective place(s). Training for operating the equipments shall be provided free of cost by the supplier.
41. **Warranty** - All equipments will carry **factory warranty for a period of 36 months** from the date of installation as given in Annexure. During the period any part or parts found defective due to faulty materials or manufacture will be repaired or replaced by the supplier by the consignee(s) concerned freight pre-paid and duly insured. Return freight and insurance on such parts will be chargeable to the supplier. Warranty period can be extended for another year if equipments is not found running satisfactory during warranty period. Prompt after sales service should be ensured.
42. The Inspection Committee will examine the equipments for its quality and other technical details mentioned in the specifications. The Supplier will have to demonstrate the equipments to the Committee at his factory itself and prove its specifications. Laboratory materials for the demonstration including the paper will be arranged by the supplier. The decision taken in the quality test by the Inspection Committee will be final.

43. Installation and trial run should be carried out at the supplier's risk.
44. The manufacturing firm shall have presently **valid ISO Certificate**.
45. The supplier shall also undertake that the firm have **never been black listed by any Govt./Quasi Government firm in India** and no case is pending at present against the firm. This should also be made clear in the tender as a preliminary undertaking.
46. During the erection/commissioning or performance during warranty period, if the equipments supplied is found defective, improper or not as per the specification or of inferior quality or is not otherwise in accordance with the contract, then Dean, College of Agriculture, Jabalpur shall intimate this fact in writing to the supplier for rectification/replacement of such defective equipments at their own cost to the entire satisfaction of the Dean, College of Agriculture, Jabalpur. In the event of their failure to do so as above, Dean, College of Agriculture, Jabalpur reserves the right to carry out such repair works at the risk and cost of defaulted supplier.
47. 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.
48. The purchase will depend on availability of funds.
49. 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).

**Dean
College of Agriculture
JNKVV, Jabalpur**

Annexure I

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

SUPPLEMENT / CHECK-LIST TO BE PROVIDED WITH TECHNICAL BID

Tender No.: IPRO/DAC/PRAL/RKVY/2018-19/69

Dated: 29.09.2018

ITEM No. _____ NAME _____

S.No.	Information required	Proposed
1.	Make of main item	
2.	Model of main item	
3.	Name of manufacturer of Main Item	
4.	Country of origin of main item	
5.	Make and model of sub item I (if any)	
6.	Make and model of sub-item II (if any)	
7.	Make and model of sub-item III (if any)	
8.	Delivery within (days)	
9.	Payment terms	
10.	Order to be placed on	
11.	Guarantee/Warrantee	
36.	Installation Charges (if any)	
13.	Validity (at least 180 days)	
14.	Delivery charges (if any)	
15.	Insurance charges (if any)	
16.	Training charges(if any)	
17.	FOR: JNKVV, Jabalpur	
18.	List of current users (Attach, if any)	
19.	Certification of satisfactory working of the equipment (Attach)	

20.	Company Standard Certification (ISO, etc.)	
21.	Compliance of equipment with current directives of ISI / CE / EEC / US / EU or equivalent standards	
22.	Whether manufacturer / authorized distributor / dealer / agent? (Attach certificate)	
23.	Technical literature in original attached	
24.	Earnest money attached with bid (DD No., Bankers name, date etc.)	
25.	Situations of Authorized service centres/ service personals etc.	
26.	Relevant documents such as ITCC, ST registration shop Act. establishment certificate, factory registration etc. (Enlist)	
27.	GST and PAN allotted (Attach copy)	
28.	Signed and sealed on each page	
29.	Manufacturer Certificate / Authorised Dealership Certificate from manufacturer only. Third party certificate will not be accepted	
30.	List of Users - institutes/organizations, where same items installed / supplied	
31.	Warranty - 3 years	
32.	Last 3 years IT Return	
33.	Last 3 years Sales Turnover	
34.	Certificate for not being black listed by any organization and no case is pending	
35.	Any other relevant information	

DECLARATION

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

Signature of tenderer

COLLEGE OF AGRICULTURE

JAWAHARLAL NEHRU KRISHI VISHWA VIDYALAYA, JABALPUR – 482 004 (M.P.)

Tender No.: IPRO/DAC/PRAL/RKVY/2018-19/69

Dated: 29.09.2018

Equipments for Pesticide Residues Analysis Laboratory (PRAL)

Tender Items and Specifications
(Submit offers separately for each Item 1 – 10)

Sl. No.	Item	Tender Cost (Rs.)	EMD (Rs.)
1.	<p>Analytical Balance</p> <p>Specifications</p> <ol style="list-style-type: none"> 1. Weighing capacity: 220 g. 2. Readability: 0.1 mg. 3. Repeatability: 0.2 mg. 4. Pan dimension: 80-90 mm. 5. Stabilization time: <10 second. <p>Features</p> <ol style="list-style-type: none"> i. Response time, stability band width, auto zero tracking, return to zero tracking and display updation. ii. Perfect self calibration function, unit conversion and data output function, bi directional interface and GSM function. iii. Customized, large, attractive LCD display with multiparameter display illuminated by bright backlit. iv. Multiple weighing units and percentage weighing. v. Should have fill mode, piece counting and fill mode accumulation. vi. Automated and manual On/Off and tare range upto maximum capacity. <p>Terms & Conditions</p> <ol style="list-style-type: none"> i. The instrument should have supplied complete with durably constructed cast metal lower housing, metal sub-pan and stainless steel weighing pan for long-term use. ii. Dust cover should be supplied with the instrument. iii. 3-years warranty after successful installation including replacement of spares. iv. All instruction and service manuals must be supplied along with the instrument. 	500/-	2500/-

2.	<p>Digital Homogenizer</p> <p>Specifications</p> <ol style="list-style-type: none"> 1. Volume processing range: 10 mL to 2.0 Liters. 2. Speed range: 2000 to 25,000 rpm or better. 3. Viscosity: 50,000 mPas. 4. Speed control: Digital, variable speed. 5. Display: Digital display. <p>Features</p> <ol style="list-style-type: none"> i. The unit shall have speed control at fine-tunes. ii. Should be used with different probes of 5 to 30 mm diameter, smooth operation and control. <p>Terms & Conditions</p> <ol style="list-style-type: none"> i. All the related essential accessories and consumables should be supplied with system for 3 years smooth running. ii. 3-years warranty after successful installation including replacement of spares. iii. All instruction and service manuals must be supplied along with the instrument. 	500/-	5000/-
3.	<p>Muffle Furnace</p> <p>Specifications</p> <ol style="list-style-type: none"> 1. Maximum temperature: 1200 °C. 2. Working temperature: 1150 °C. 3. Insulation: Ceramic/ Zirconium fiber wool. 4. Chamber: Inner chamber ceramic pot, Outer case made of Mild Steel powder coated. 5. Controller: Microprocessor based PID controller. 6. Inner volume: 5.0 Liters. <p>Features</p> <ol style="list-style-type: none"> i. Construction: Horizontal and rectangular ceramic muffle. ii. Single door made of ceramic material and cementing fitted with single hole at center and door is duly insulated. iii. Fitted with thermocouple and silver fuse for protection of chamber. iv. Temperature should be controlled by energy regulator with display of temperature on pyrometer fitted on panel. v. Temperature control unit must consist of Microprocessor digital temperature controller fitted in front panel of furnace with two pilot lamps for easy operations. 	500/-	7000/-

	<ul style="list-style-type: none"> vi. Temperature should display digital LED with SV and PV display at front of the furnace. vii. Front panel should be provided with On/Off switch, sun Vic energy regulator, pyrometer and indicators. viii. The apparatus should have thermocouple, silver thermal fuse and main lead with power plug. ix. It should contain solid state electronic relay with protective heat sink. <p>Terms & Conditions</p> <ul style="list-style-type: none"> i. All the related essential accessories and consumables should be supplied with system for 3 years smooth running. ii. 3-years warranty after successful installation including replacement of spares. iii. All instruction and service manuals must be supplied along with the instrument. 		
4.	<p>Soxhlet Fat Extraction</p> <p>Specifications</p> <ul style="list-style-type: none"> 1. Number of flasks: 06 2. Flask volume: 100/ 250 ml 3. Solvent recovery: 65 to 80% <p>Features</p> <ul style="list-style-type: none"> i. Should have auto time temperature integrated programming facility and auto phase change over with PC compatibility feature. ii. Should have twenty five intelligent memory programs of twelve auto sequencing ramps. iii. Unique upward spring loaded movement of individual block for perfect leak proof alignment, inbuilt air pump with Stainless Steel manifold for perfect removal of solvent cloud. iv. Safety features of auto over temperature protection, auto sensor break protection, auto error indication etc. v. Should have graphical representation of time and temperature gradient. vi. Independent loading of sample with individual mechanical controls. <p>Terms & Conditions</p> <ul style="list-style-type: none"> i. One additional set of 6 flasks of 100/ 250 ml capacity should be supplied. ii. All the related essential accessories and consumables should be supplied with system for 3 years smooth running. iii. 3-years warranty after successful installation including 	500/-	10000/-

	<p>replacement of spares.</p> <p>iv. All instruction and service manuals must be supplied along with the instrument.</p>		
5.	<p>Vacuum Rotary (Flash) Evaporator with Circulating Chiller</p> <p>Specifications</p> <ol style="list-style-type: none"> 1. Rotation speed: 10-280 rpm. 2. Flask capacity: 1000 ml sample flask, 1000 ml of receiving flask. 3. Rotation speed setting: Digital display. 4. Heating capacity: 1300 Watts. 5. Condenser: Vertical / diagonal. 6. Chiller temperature range: -20 °C to ambient with a temperature stability of ± 1 °C. 7. Bath capacity: 4.0 Liters. <p>Features</p> <ol style="list-style-type: none"> i. Integrated combi-clip (clamp) for evaporation flask. ii. Height adjustment: manual lift. iii. Rotation speed drive: Electronic speed control. iv. Material heating bath: Stainless Steel. v. Direct control of vacuum through vacuum controller, resistant to chemicals. <p>Terms & Conditions</p> <ol style="list-style-type: none"> i. Vacuum pipe should be supplied with the pump. ii. All the related essential accessories and consumables should be supplied with system for 3 years smooth running. iii. 3-years warranty after successful installation including replacement of spares. iv. All instruction and service manuals must be supplied along with the instrument. 	500/-	10000/-
6.	<p>B.O.D. Incubator</p> <p>Specifications</p> <ol style="list-style-type: none"> 1. Temperature range: 5 to 60 °C. 2. Temperature accuracy: ± 0.5 °C or better. 3. Volume: 250 Liters. 4. Timer: 0 to 24 hours for regulating hours of light and darkness. 	500/-	4000/-

	<p>Features</p> <ol style="list-style-type: none"> i. Construction: Rectangular and vertical. ii. Castor wheel mounted double walled with inner chamber made of stainless steel sheet and outer wall of mild steel duly pre treated and furnished with powder coated paint for lasting finish. iii. The gap between the outer and inner wall should fitted with special grade glass wool/ high grade PUF Insulation to prevent thermal losses. iv. Unit must be fitted with door operated illumination lamp inside the chamber for easy visibility. v. A full view inner plexi-glass/ acralic door to enable inspection and monitoring of inner chamber specimens without disturbing the process temperature. vi. Inner chamber should have ribs for placing the shelves at adjustable levels. Supplied with 5 removable shelves. vii. Microprocessor based digital display for temperature, humidity and power. viii. Air circulation: By forced convection system. ix. Lighting system by interior illumination. x. Humidity control arrangement. <p>Terms & Conditions</p> <ol style="list-style-type: none"> i. All the related essential accessories and consumables should be supplied with system for 3 years smooth running. ii. 3-years warranty after successful installation including replacement of spares. iii. All instruction and service manuals must be supplied along with the instrument. 		
7.	<p>Deep Freezer</p> <p>Specifications</p> <ol style="list-style-type: none"> 1. Capacity: 300 Liters. 2. Number of inside compartment: 3 3. Temperature: -40 °C. <p>Features</p> <ol style="list-style-type: none"> i. Construction: Compact design with vertical. ii. Double door. iii. Adjustable Stainless Steel shelves. 	500/-	8000/-

	<ul style="list-style-type: none"> iv. Stainless Steel interior and painted steel board exterior. v. Front lockable door design with full height handle and vacuum release port. vi. Microprocessor based digital temperature controller, digital display. vii. Front panel should be provided with On/Off switch, temperature controller and indicators <p>Terms & Conditions</p> <ul style="list-style-type: none"> i. All the related essential accessories and consumables should be supplied with system for 3 years smooth running. ii. 3-years warranty after successful installation including replacement of spares. iii. All instruction and service manuals must be supplied along with the instrument. 		
8.	<p>Refrigerated Centrifuge</p> <p>Specifications</p> <ul style="list-style-type: none"> 1. Rotor capacity: 24 standard tubes of 1.5/ 2.0 ml capacities with swinging bucket rotor. 2. Maximum speed: 15,000 rpm. 3. Maximum RCF: 20,000 x g. 4. Temperature range: -8 °C to 40 °C. 5. Display: Digital display for temperature, speed, time, RCF etc. <p>Features</p> <ul style="list-style-type: none"> i. The equipments should have automatic door opening, motor overload protection, emergency lid lock release, imbalance detection with centrifugation cut-off, log of cumulative run time, last set parameters recall etc. ii. The flexibility to spin conical tubes and microplates in a swinging bucket rotor, as well as process microtubes in a fixed angle rotor. iii. Should have capable of calibration window on lid for speed, self diagnostics of errors. iv. Should have brushless motor with frequency drive. v. Drive: Maintenance free, frequency controlled spindle type, direct brushless induction drive and low profile motor. vi. Temperature display: °C. vii. Control: Microprocessor based. viii. Refrigerant and insulation: CFC free and eco-friendly. ix. Run time: Continuous operation. 	500/-	8000/-

	<p>Terms & Conditions</p> <ol style="list-style-type: none"> i. All the related essential accessories and consumables should be supplied with system for 3 years smooth running. ii. 3-years warranty after successful installation including replacement of spares. iii. All instruction and service manuals must be supplied along with the instrument. 		
<p>9.</p>	<p>Shaking Incubator</p> <p>Specifications</p> <ol style="list-style-type: none"> 1. Temperature range: 5 °C above ambient to 50 °C. 2. Temperature accuracy: ± 0.5 °C. 3. Shaking motion: Orbital and permanent magnet DC drive for continuous operation. 4. Shaking amplitude: 20-25 mm. 5. Shaking speed: 20 to 250 rpm. 6. Platform: Should accommodate 12 flasks of 250 ml. <p>Features</p> <ol style="list-style-type: none"> i. Microprocessor controlled based, solid-state table top model. ii. Inner chamber and platform should be made of Stainless Steel. iii. Outer chamber should be made of Mild Steel duly pre-treated and powder coated paint. iv. Top cover should be made of acrylic sheet for monitoring of inner chamber specimen. v. Should be fitted with universal platform to accommodate interchangeable clamps/ platforms for shaking-incubating different capacity of flask/ vessel. vi. Should have high grade glass wool / PUF insulation between outer and inner chamber for minimal thermal losses. vii. Should have control panel fitted with Microprocessor based digital temperature indicator cum controller with timing function and large digital display. viii. Shaking period from 0.1 hour to 99.9 hours should be programmable. ix. Should have solid state electronic relay with protective heat sink. x. Air circulation should be by forced convection system. <p>Terms & Conditions</p> <ol style="list-style-type: none"> i. All the related essential accessories and consumables should be supplied with system for 3 years smooth running. ii. 3-years warranty after successful installation including replacement of spares. iii. All instruction and service manuals must be supplied along with the instrument. 	<p>500/-</p>	<p>4000/-</p>

<p>10.</p>	<p>Generator 20 KVA (Silent/ Sound proof)</p> <p>Specifications</p> <ol style="list-style-type: none"> 1. Fuel type: Diesel. 2. Prime power rating: 20 KVA. 3. Fuel tank capacity: ~ 100 Liters. 4. Number of cylinder: 3-4. 5. Speed: 1500 rpm. <p>Features</p> <ol style="list-style-type: none"> i. Engine: Compact, robust and rugged design, low emission, high efficiency engines and 500 hours lube-oil change period. ii. Controller: Microprocessor based fully configured, graphical and digital display. iii. Dimensions: Rectangular iv. Body material: Mild Steel v. Surface treatment: Color coated vi. Cooling system: Coolant <p>Terms & Conditions</p> <ol style="list-style-type: none"> i. 3-years warranty after successful installation including replacement of spares. ii. All instruction and service manuals must be supplied along with the system. 	<p>500/-</p>	<p>7000/-</p>
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**Dean
College of Agriculture
JNKVV, Jabalpur**

FINANCIAL BID DOCUMENT

(Kept in separate envelope, marked B and sealed)

COLLEGE OF AGRICULTURE

JAWAHARLAL NEHRU KRISHI VISHWA VIDYALAYA, JABALPUR – 482 004 (M.P.)

FINANCIAL BID FORM

(separate for each item and should be submitted separately)

Tender No.: IPRO/DAC/PRAL/RKVY/2018-19/69

Dated: 29.09.2018

S. No. of Item	Name of the Item	Make of Item	Model of Item	Basic Cost (Rs.)	Taxes (Rs.)	Any other Charges (Rs.)	Total Cost (Rs.)
		1	2	3	4	5	(3+4+5)
1.							

Date.....

Place.....

Authorized Signatory with Seal

FORM OF CONTRACT (Notorized on Rs. 100=00 stamp paper)
(To be submitted by the firm to whom final order for supply will be given)

I/We hereby declare that I/We under the contract to supply the laboratory Equipments shall abide by all the terms mentioned in the Tender Form and conditions of contract laid hereunder :-

Conditions of Contract

1. This contract is for the period from to or maximum 6 months from the date of commencement of agreement for supply of articles mentioned. Dean, College of Agriculture, Jabalpur will have power to extend the period of agreement.
2. This agreement is made this day ofbetween the Dean, College of Agriculture, Jabalpur (hereinafter called the Competent Authority which expression shall where the context so admits include his successor in the office) of the one part and M/s (hereinafter called the "Firm" which expression shall where the context so admits includes his heirs and successors) of the other part.
3. Whereas the Competent Authority has accepted the offer of the Firm made in their tender Offer No..... for supplying the equipments(s) as per specification(s) and at the price mentioned in the schedule attached thereto and forming part of this contract, and has decided to entrust to the firm the work of supplying the aforesaid equipments(s) not later than as per supply order from the competent authority as per specifications and price subject to the terms and conditions hereinafter appearing;

And whereas, the firm has agreed to supply the said equipments(s) to the competent authority subject to the said terms and conditions.

Not therefore this Agreement witnesses and is hereby agreed to as follows :-

3. (a) Security Deposit.- (a) The successful tenderer (hereinafter called the firm, which expression shall include, where the context so admits, his heirs, executors and successors) shall, within two week of the receipt by him of the intimation in writing that his tender has been accepted in part or whole, deposit with the Dean, College of Agriculture, Jabalpur (hereinafter called the competent authority, which expression shall, where the context so admits, include his successors in office), as security for the due performance of the contract, a sum, amounting EMD payable under this contract for the articles agreed to be purchased less the amount of Rs.. .
..... already deposited with the tender as Tender Deposit provided such guarantee normally covers a period of 36 months from the date of commencement of contract i. e. the date which the Firm signs the Agreement. It is further provided that for any breach, non-fulfilment or non-performance of the Agreement during the period of contract, the Competent Authority shall have power to take action to enforce performance of the Agreement.
- (b) In the event of deficiency in the value of the security deposit as a result of forfeiture, or for any other reasons, the firm shall within seven days of receipt by him of a notice in that behalf, make up the deficiency.
4. Supply- The Firm shall complete the supply of the equipments(s) within stipulated time after receipt of supply order from the Dean, College of Agriculture, Jabalpur as per specification(s).
5. I/We hereby declare that I/We have not been black listed or debarred as supplier by any Government Agency, Semi- Government Organisation or Public Sector Undertaking.
6. The firm shall bear the stamp duty to which the agreement be liable.
7. In witnesses whereof the parties where to have signed this Agreement on the day and year respectively mentioned against the signatures.

Dated the Witnesses :-

1. Signature of Firm with Seal

Stamp worth Rs. 100/=

Signature of the competent authority