



COLLEGE OF AGRICULTURAL ENGINEERING
Jawaharlal Nehru Krishi Vishwa Vidyalaya, Jabalpur 482004 (M.P.)

1st e-Tender

E-tender invited for the supply of items i.e. 1) Computerized Soil bin set-up for testing of tillage and traction equipment & tools 2) Rotary Torque sensor for PTO shaft of Tractor 3) Human energy meter 4) Data logger 5) Mechanical Vibration meter 6) T.D. Baler etc, from manufactures or their authorized dealers or agents. Documents are available on portal, www.mpeproc.gov.in. and information on www.jnkvv.org. Purchase of on-line tender from: 12-09 -17, 10:30 am to 02-10-17 upto 05:00 pm. Pre bid submission at University on 18-9-2017 at 10.00 am, upload revised specification (if required) on 20/09/2017, Submission of on-line tender upto 03-10-2017, 11:55 pm. Submission of Technical bid to Office: 09-10-2017 upto, 3pm. Opening of Technical Bid: 09-10-2017 upto 3.00pm and Financial Bid open on:18-10-2017, 3.00pm.

Dean

JAWAHARLAL NEHRU KRISHI VISHWA VIDYALAYA, JABALPUR

e- TENDER DOCUMENT

Important Dates

S. No	Agril Engg. College Stage	Bidder's Stage	Start		Expiry		Envelopes
			Date	Time	Date	Time	
1	-	Purchase of Tender - Online	12.09.2017	10:30 am	02.10.2017	05:00 pm	
2	Pre bid presentation		18.09.2017	10.00 am			
3	Upload revised specification (if required)		20.09.2017				
4	-	Bid Submission - Online	--	--	03.10.2017	3.30 pm	
5	Mandatory Submission (Envelope A) to Office of Dean, College of Agril. Engg. JNKVV, Jabalpur		--	--	09.10.2017	03:00 PM	
6	Technical Bid Open (Envelope- A)	-	--	--	09.10.2017	03:00 PM	A
7	Financial Bid open	-	18.10.2017	3:00 PM			B

DEPOSITING THE BIDS:

The bids will be submitted through on-line mode of 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:

(i) Cover 1 - Technical Bids submission with the following documents:

- (a) Detailed technical write-up highlighting the model Name/No, features of the equipment offered and / or Technical literature/manuals.
- (b) Certificate for acceptance of terms and conditions of tender enquiry.
- (c) Original equipment manufacturer (OEM) certificate or authorized dealership/distributorship certificate as applicable.
- (d) TIN number/PAN Number/Certificate.
- (e) Client list/ List of users.

- (f) Business Registration Certificate.
- (g) Scanned Copy of EMD or exemption proof, if exempted.
- (h) Compliance Certificate. Certificate of clause by clause compliance of specifications as mentioned in tender.

(ii) Commercial/Price bid will consist of following:

- (a) Commercial/Price bid – to be submitted on-line

(b) Physical Submission:

Documents to be submitted in hard copy: Following documents shall be submitted physically in a sealed envelope so as to reach prior to bid submission closing date & time. The responsibility to ensure this lies with the Bidder.

- (a) All the documents submitted On-line in Cover 1.
- (b) EMD as applicable or proof of exemption **(in original)**.
- (b) Tender fee receipt copy (as applicable).
- (c) Tender conditions Acceptance Certificate in form of downloaded Tender documents duly stamped and signed (other than price 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 tender 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 – **Start Date: 12.9.2017, 10.30 am to 02.10.2017, 05:00 pm.**
 - b. **Pre bid submission of specification of items may be discuss with committee of University by the representative of company/ suppliers if required** on 18.09.2017 at 10.00 am at the meeting hall of Director Research Services, JNKVV, Jabalpur.
 - b1. **Upload revised specification (if required) on 20-09-2017.**
 - c. Bids can be **submitted on-line** on www.mpeproc.gov.in **upto 03-10-2017, 11:55 pm**
 - d. **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**

AGRICULTURAL ENGINEERING, JNKVV, ADHARTAL, Jabalpur 482004 so as to reach on or before **dt.09-10-2017, 3:00 PM.**

- e. Belated tender due to postal or any other delay will be rejected.
 - f. **Technical Bids (Mandatory Submission (Envelope A))** will be opened on **09-10-2017, 3.00 pm**
 - g. **Financial Bids** of qualified bidders will be opened on 18-10-2017, **3.00pm.**
 - H. The tender for each item should be sent separately. The main duly sealed envelope should super scribe TENDER FOR THE ITEM No _____ (NAME OF THE EQUIPMENT) DUE on.....
FOR FMPE DEPARTMENT.
 - I. If offers for more than one item are clubbed together, tender will be rejected.
 - j. 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.
 - k. J.N. Krishi Vishwavidyalaya reserves the right to extend the opening due date and or the date of opening the tenders.
 - l. All the leaflets in the offer should be marked with signature and seal of authorized person.
6. a. Preferably rate should be quoted in Indian Rupees.
- b. 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.
- c. Excise duty/sales tax/VAT/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.
- d. The institute will provide the custom duty exemption certificate if necessary for the imported instrument on arrival of goods at the port.
- e. Any other charges, if any, should be shown separately for each item and each sub-item.
- f. Prices for the main item and accessories only should be given separately. This is necessary to workout prices of a desired configuration.
7. 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 printed technical literature or better otherwise the offers shall be rejected.
8. All losses during transit will have to be made good by the tenders at his cost within a period of 15 days.

9. The tenders 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 **3 years** from the date of successful and satisfactory installation of the equipment/system.

10. **Tender Document Cost:**

The details of tender document can be downloaded from website (www.mpeproc.gov.in) and tender document cost Rs **1000=00 only** should be submitted online on the portal.

11. **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/FDR/TRD of any Nationalized Bank made in favour of "DEAN, COLLEGE OF AGRICULTURAL ENGINEERING, 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.

12. **Payment Terms:**

The standard terms and conditions of payment is in full only after the successful installation, demonstration and training to the satisfaction of JNKVV authorities. Payment to tenderer will be made after deducting VAT at source and for which necessary certificate will be issued

13. Please quote maximum discounted price, as no further negotiations will be made.
14. Complimentary items/gifts offered will not be taken into account for calculating the cost of the item.
15. The offer must mention make, model all the specifications of all 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. Specifications given in the offer must match to the website and / or printed technical literature otherwise the offer shall be rejected.
16. 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.
17. If so desired by JNKVV, the bidders shall have to enter into an agreement.
18. 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.
19. Any judiciary matter shall be in Judiciary of Jabalpur only.
 20. 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.
 21. 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.
 22. 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)

Date:

**DEAN
COLLEGE OF AGRICULTURAL ENGINEERING**

Annexure - A

KEY DATES

S. No	Agril Engg. College Stage	Bidder's Stage	Start		Expiry		Envelopes
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5	Mandatory Submission (Envelop A) to Office of Dean, College of Agril. Engg. JNKVV, Jabalpur		--	--	09.10.2017	03:00 PM	
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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 09.10.2017 at 03:00 PM at Office of Dean College of Agricultural Engineering, J.N.K.V.V., Jabalpur.

Annexure I

DEAN, COLLEGE OF AGRICULTURAL ENGINEERING, JNKVV, JABALPUR 482004

SUPPLEMENT / CHECK-LIST TO BE PROVIDED WITH TECHNICAL BID

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	
12.	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, if any)	
20.	Company 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 (Attach, if any)	
24.	Earnest money attached with financial 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.	TIN and PAN allotted (Attach a copy, if any)	
28.	Any other relevant information	

DECLARATION

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

**DEPARTMENT OF FARM MACHINERY & POWER ENGINEERING
COLLEGE OF AGRICULTURAL ENGINEERING
JNKVV, JABALPUR, M.P. 482004**

<p>Testing and evaluation of Rotary Torque of PTO shaft of Agricultural Tractors during Field Performance test as per specified BIS standard EMD-Rs.-10000/-</p>	<p><u>Technical specification of rotary torque of PTO shaft of Agricultural Tractor during field performance test (Capable to measure PTO Torque ranging from 1 to 3500 Nm)</u></p> <p><u>Torque Sensor:</u> Rated capacity:0-3500Nm Rated Output: 2mv/V Safe over load: 150% of RO Zero Balance : $\pm 0.05\%$ of RO, Excitation : 10V DC maximum Non Linearity : $\pm 0.02\%$ of RO Non Repeatability: $\pm 0.01\%$ of RO Hysteresis: $\pm 0.05\%$ of RO Temperature shift Zero: $\pm 0.01\%$ of RO Temperature shift Span: $\pm 0.02\%$ of RO Compensated Temperature : 25 to 50 °C Operating Temperature: 00 to 50 °C Operating RPM range: 0 to 5000 with 1 rpm least count Coupling: Clamp on/Flange/Keyway PTO attachment : PTO type- I, II, III (As per ISO 500-3)</p> <p><u>Transmitter:</u> Digital RF encoded transmission, 433 Mhz., Ultra low power consumption system for long battery life ≥ 6 hours.</p> <p><u>Receiver:</u> Bandwidth (Sampling rate) 5-10 samples per second.</p> <p><u>Digitizer- controller:</u> Display : Two line alpha numeric LCD display with backlight Keypad: Soft touch key pad Relay O/P: Two programmable set point with relay O/P Communication port: Rs 232/ RS 485 O/P to Transfer Torque & Angle data Calibration: Software calibration for torque & angle Peak reading: Peak Reading display option, selectable by switch Analog O/P: 0-10 V or 4-20 Ma corresponding to torque & Angle</p> <p><u>Power supply:</u> 24 V DC/ 12 V DC / 220 V AC</p> <p><u>Essential features:</u></p> <ul style="list-style-type: none"> • The sensor should be rugged & compact to with stand shock and vibration during field operation. • Direct fitment on PTO shaft. • Facility to directly log/ store data during field operation. <p><u>Scope of Supply:</u></p> <ul style="list-style-type: none"> • Torque sensor - 1 No.
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	<ul style="list-style-type: none">• Transmitter - 1 No.• Receiver – 1 No.• Digitizer controller – 1 No.
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