INVITATION FOR QUOTATION

TEQIP-III/2018/gwec/Shopping/35 **16-May-2018**

To,

Sub: Invitation for Quotations for supply of Goods for Vibration Lab (ME)

Dear Sir,

1. You are invited to submit your most competitive quotation for the following goods with item wise detailed specifications given at Annexure I,

Sr. No	Brief Description	Quantity	Delivery Period(In days)	Place of Delivery	Installation Requirement (if any)
1	Electro Dynamic Exciter	1	45	Mechanical Department, Govt. Women Engg. College, Ajmer	Yes
2	Trifler Suspension Apparatus	1	45	Mechanical Department, Govt. Women Engineering College, Ajmer	Yes
3	Universal Vibration set up	1	45	Mechanical Department, Govt. Women Engineering College, Ajmer	Yes
4	Vibration meter	1	45	Mechanical Department, Govt. Women Engineering College, Ajmer	Yes

Govt. Mahila Engineering College AJMER

2. Government of India has received a credit from the International Development Association (IDA) towards the cost of the **Technical Education Quality Improvement Programme[TEQIP]-Phase III** Project and intends to apply part of the proceeds of this credit to eligible payments under the contract for which this invitation for quotations is issued.

3. Quotation,

   3.1 The contract shall be for the full quantity as described above.

   3.2 Corrections, if any, shall be made by crossing out, initialing, dating and re writing.

   3.3 All duties and other levies payable by the supplier under the contract shall be included in the unit price.

   3.4 Applicable taxes shall be quoted separately for all items.

   3.5 The prices quoted by the bidder shall be fixed for the duration of the contract and shall not be subject to adjustment on any account.

   3.6 The Prices should be quoted in Indian Rupees only.

4. Each bidder shall submit only one quotation.

5. Quotation shall remain valid for a period not less than **45** days after the last date of quotation submission.

6. Evaluation of Quotations,

   The Purchaser will evaluate and compare the quotations determined to be substantially responsive i.e. which

   6.1 are properly signed ; and

   6.2 confirm to the terms and conditions, and specifications.

7. The Quotations would be evaluated for all items together.

8. Award of contract:

   The Purchaser will award the contract to the bidder whose quotation has been determined to be substantially responsive and who has offered the lowest evaluated quotation price.

   8.1 Notwithstanding the above, the Purchaser reserves the right to accept or reject any quotations and to cancel the bidding process and reject all quotations at any time prior to the award of contract.

8.2 The bidder whose bid is accepted will be notified of the award of contract by the Purchaser prior to expiration of the quotation validity period. The terms of the accepted offer shall be incorporated in the purchase order.

9. Payment shall be made in Indian Rupees as follows:

Delivery and Installation - 90% of total cost

Satisfactory Acceptance - 10% of total cost

10. All supplied items are under warranty of **36** months from the date of successful acceptance of items.
11. You are requested to provide your offer latest by **02:00** hours on **18-Jun-2018 .**
12. Detailed specifications of the items are at Annexure I.
13. Training Clause (if any) **Required On-site**
14. Testing/Installation Clause (if any) **Required On Site**
15. Information brochures/ Product catalogue, if any must be accompanied with the quotation clearly indicating the model quoted for.
16. Sealed quotation to be submitted/ delivered at the address mentioned below,

    Makhupura, Nasirabad Road, Ajmer -305002
17. We look forward to receiving your quotation and thank you for your interest in this project.
18. Please write the lab and package name on envelope.

(Authorized Signatory)

Name & Designation

Principal
Govt. Women Engg. College
Ajmer

Govt. Women Engineering College AJMER

3/8

Annexure I

Sr. No	Item Name	Specifications
1	Electro Dynamic Exciter	The vibrators are having drive armature connected rigidly to the moving platform and positioned in the magnetic field. When AC current flows in this drive coil gives rise to a force by converting an electric current into mechanical force, which moves the platform. The vibrator can operate in the frequency range from 5 Hz to 2500 Hz from either or random input waveform. The function of a vibration system is to produce a ed waveform with required vibration level (i.e. Acceleration, velocity or Amplitude) and frequency to test specimen mounted on the vibration exciter. The Electrodynamics vibrator is very much reliable as there are no rolling parts to wear out and axial resonance frequency is kept quiet high to avoid self-resonance. The system force rating and moving element mass are the primary characteristics which determine the vibration level. Consisting of (a) Moving armature suspension : Link arm type (b) Size of table : 8" x 8" (c) Frequency generation : 0- 2.5kHz (d) Vibrating table displacement : Max. 5mm (e) Acceleration : 0-5g (f) Power supply: Single phase 220-250V AC. (g) Cooling : Natural
2	Trifler Suspension Apparatus	The experimental set up consists of M.S. Channel frame with powder coating for longer life at the bottom side and three M.S. Pipes in vertical position. At top an angle frame is fitted. Three drill chucks are fitted on each arm of this angle frame. String can be fixed in these chucks at the top and a disc is fixed at the bottoms. The length of string can be easily varied. A stop watch (digital) is supplied with apparatus
3	Universal Vibration set up	The apparatus provided comprehensive unit to perform the vibration lab experiments. A universal frame is provided upon which quick and easy assembly of various experiments can be done. The students can easily assemble the experiments and study the theory of vibrations practically. Following experiments can be performed with this unit: • To verify the relation simple pendulum.

		•To verify the relation of compound pendulum & to determine the radius of gyration •To study radius of gyration of bi-filar suspension •To study the undamped free vibration of spring mass system •To study the longitudinal vibration of helical coiled spring • To study the forced vibration of simply supported beam for different damping. • Undamped torsional vibrations of single rotor system. • Undamped torsional vibrations of double rotor system. •To study the damped torsional vibration of single rotor system and to determine the damping co-efficient. •Verification of Dunker ley's Rule. •To study the forced damped vibration of spring mass system In this Universal Vibration Apparatus, following experiment can be done using software: 1. To study the Forced damped Vibration of Equivalent Spring Mass System. 2. To study the forced vibration of the beam for different damping. FEATURES •PC Interface •No need of Strip Chart Recorder •Easy to operate •Universal Frame and stand made out of thick M.S. Channel with powder coating for longer life Utilities Required •Power Supply: 230V AC. 5 Amp with earth. •Latest Computer with printer.
4	Vibration meter	The vibrators are having drive armature connected rigidly to the moving platform and positioned in the magnetic field. When AC current flows in this drive coil gives rise to a force by converting an electric current into mechanical force, which moves the platform. The vibrator can operate in the frequency range from 5 Hz to 2500 Hz from either or random input waveform. The function of a vibration system is to produce a ed waveform with required vibration level (i.e. Acceleration, velocity or Amplitude) and frequency to test specimen mounted on the vibration exciter. The Electrodynamics vibrator is very much reliable as there are no rolling parts to wear out and axial resonance frequency is kept quiet high to avoid self-resonance. The system force rating and moving element mass are the primary characteristics which determine the

		vibration level. Consisting of (a) Moving armature suspension : Link arm type (b) Size of table : 8" x 8" (c) Frequency generation : 0- 2.5kHz (d) Vibrating table displacement : Max. 5mm (e) Acceleration : 0-5g (f) Power supply: Single phase 220-250V AC. (g) Cooling : Natural

FORMAT FOR QUOTATION SUBMISSION

(In letterhead of the supplier with seal)

Date: _____

To:

_____

_____

Sl. No.	Description of goods (with full Specifications)	Qty.	Unit	Quoted Unit rate in Rs. (Including Ex Factory price, excise duty, packing and forwarding, transportation, insurance, other local costs incidental to delivery and warranty/ guaranty commitments)	Total Price (A)	Sales tax and other taxes payable	
						In %	In figures (B)
Total Cost							

Gross Total Cost (A+B): Rs. _____

We agree to supply the above goods in accordance with the technical specifications for a total contract price of Rs. ———————— (Amount in figures) (Rupees ————————amount in words) within the period specified in the Invitation for Quotations.

8/4

We confirm that the normal commercial warranty/ guarantee of ———————— months shall apply to the offered items and we also confirm to agree with terms and conditions as mentioned in the Invitation Letter.

We hereby certify that we have taken steps to ensure that no person acting for us or on our behalf will engage in bribery.

Signature of Supplier

Name: _____

Address: _____

Contact No: _____