



Parala Maharaj Engineering College Berhampur, TEQIP Cell, Room 501, Parala  
Maharaja Engineering College, Sitallapalli, Berhampur, Odisha. Pin-761003

## INVITATION LETTER

Package Code: TEQIP-III/OD/pmec/62

Current Date: 07-Mar-2019

Package Name: PMEC/TEQIP/PHY LAB 2

Method: Shopping Goods

To,

**Sub: INVITATION LETTER FOR PMEC/TEQIP/PHY LAB 2**

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	Item Name	Quantity	Place of Delivery	Installation Requirement (if any)
1	To determine the frequency of A.C. Mains with the help of an electric vibrator	1	PMEC Berhampur	
2	To determine the frequency of A.C. mains by means of sonometer	1	PMEC Berhampur	
3	To determine the dispersive power of material of a prism of mercury light with spectrometer	1	PMEC Berhampur	
4	Digital multimeter	1	PMEC Berhampur	
5	To determine Angular Dispersion of Laser light (with He-Ne)	1	PMEC Berhampur	
6	Mercury Lamp Stand	1	PMEC Berhampur	
7	Prism	2	PMEC Berhampur	
8	Spectrometer	1	PMEC Berhampur	

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, initialling, 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 **90**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.
  - 6.3 OEM's are preferred.
  - 6.4 Companies with past satisfactory experience from institutes of national repute would be preferred.
  - 6.5 Cost of bids should include all installation cost i.e. Civil, Electrical etc.
  - 6.6 Service point of the products nearer to the college would be preferred.
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, Installation and Satisfactory Acceptance - 100% of total cost**
10. Liquidated Damages will be applied as per the below:  
Liquidated Damages Per Day Min % : 0.10  
Liquidated Damages Max % : 10.
11. All supplied items are under warranty of months from the date of successful acceptance of items and AMC/Others is **60**.
12. You are requested to provide your offer latest by **16:30** hours on **12-Apr-2019**.
13. Detailed specifications of the items are at Annexure I.
14. Training Clause (if any) **yes**
15. Testing/Installation Clause (if any) **yes**
16. Performance Security shall be applicable: %
17. Information brochures/ Product catalogue, if any must be accompanied with the quotation clearly indicating the model quoted for.
18. Sealed quotation to be submitted/ delivered at the address mentioned below, **Parala Maharaj Engineering College Berhampur, TEQIP Cell, Room 501, Parala Maharaja Engineering College, Sitallapalli, Berhampur, Odisha. Pin-761003**
19. We look forward to receiving your quotation and thank you for your interest in this project.
20. The purchaser may visit the suppliers place for inspection of product before its delivery. The cost of such visit will be borne by the supplier.

(Authorized Signatory)

Name & Designation

## Annexure I

Sr. No	Item Name	Specifications
1	To determine the frequency of A.C. Mains with the help of an electric vibrator	<p><b><u>Technical Specification</u></b></p> <ul style="list-style-type: none"> <li>• Display : 3 ¾ Big LCD, 3999 count</li> <li>• DCV : 6V -1000V, ACV : 600mV- 1000V</li> <li>• DC Current : 0.1µA to 20A</li> <li>• AC Current : 0.1µA to 20A</li> <li>• Resistance : 400 Ω to 40MΩ</li> <li>• Capacitance : 50nF to 100µF</li> <li>• Frequency : 50 Hz to 100Khz</li> </ul>
2	To determine the frequency of A.C. mains by means of sonometer	<p><b>Medle's Apparatus</b></p> <ul style="list-style-type: none"> <li>• Heavy steel fork</li> <li>• Heavy cast iron base</li> <li>• Electromagnet</li> <li>• Weight box 1</li> <li>• Voltage source 1.5V – 12V / 3A</li> <li>• Pulley with clamp</li> <li>• Reel of thread</li> <li>• Meter scale of length 1m</li> <li>• Scale pan</li> </ul>
3	To determine the dispersive power of material of a prism of mercury light with spectrometer	<p><b><u>Spectrometer- Scale: Brass</u></b></p> <ul style="list-style-type: none"> <li>• Dia:150mm L.C-30 Second</li> <li>• Objective: Achromatic lens, f = 178mm, Aperature 32mm</li> <li>• Slit : Brass with micrometer</li> <li>• Reticle : 90 cross etched on glass</li> <li>• Eyepiece : 10X, Gauss eyepiece, inbuilt magnifier</li> <li>• Base: 190mm Triangular, Cast Iron</li> </ul> <p><b>Prism</b></p> <ul style="list-style-type: none"> <li>• Size : 38 x 38 mm, Height :38mm, Material :EDF,</li> <li>• Mercury Vapour Lamp :125W</li> <li>• Transformer with metal Box</li> </ul> <p>Lamp house : 250x100mm(Lxdia),</p>
4	Digital multimeter	Digital multimeter
5	To determine Angular Dispersion of Laser light (with He-Ne)	<p><b>OPTICAL BENCH-</b> Material :Type : Hexagonal section, Scale : 0-100cm,Least count : 1mm, Supplied with 4 fixed saddle., Aluminium alloy</p> <p><b>He-Ne LASER-</b>Wavelength : 632.8 nm, Working current : 4mA ~ 6mA, Output power : &gt; 2mW, Working time : &gt; 8 hrs., Working</p>

		<p>voltage : AC 220 V <math>\pm</math> 22 V, Input Power : &lt;2 W, Dimension : 300x62x82 mm, Weight : 1.5 kg (approx.)</p> <p><b>DIFFRACTION SLIDE SET</b>-Frame Size : 50mm x 50mm, Slit : Width=0.06mm &amp; Separation=0.20mm, (Single, Double, Three, Four, Five, &amp; Six), Coarse Grating-1 : 4 lines/mm, line/space ratio 3:1, Coarse Grating-2 : 4 lines/mm, line/space ratio 6:1, Coarse Grating-3 : 8 lines/mm, line/space ratio 3:1, Diffraction grating : 80 lines / mm, Diffraction grating : 300 lines / mm, Single slit : Tapered, Double slit : Tapered, Metal gauze : 300 mesh, Circular apertures : 1.0, 0.60, 1.40, 0.30 mm nominal dia., Hologram : 50x50mm Transmission type, Polaroids : 50x50mm linearly polarized, All individually mounted in slide frames and protected by two glass plates</p> <p><b>SET OF 13 OBJECTS</b>- It consists of 13 Objects : Single slit, double slit, multiple slit 3, multiple slit 4, multiple slit 5, single tapered slit, fine grating, 4 holes, circular opaque spot, gray filter, mesh, coarse grating &amp; grid pattern., Frame Size : 50mm x 50mm</p> <p><b>PRISM TABLE</b>- Disc: 75mm diameter., Rod : 10 mm diameter</p> <p><b>OBJECT SCREEN</b>- Material: Translucent, Acrylic. ,Size : 300 x 300 mm, Rod : 10 mm diameter</p> <p><b>CYLINDRICAL BASE</b>- Material : Ferrous Mount : Rod 10-14mm dia: Flat object up to 10mm, Groove : Slide object, 30x10mm (LxW)</p> <p>.</p>
6	Mercury Lamp Stand	Mercury Lamp Stand
7	Prism	EDF
8	Spectrometer	<p>Spectrometer- Scale: Brass Dia:150mm L.C-30 Second Objective: Achromatic lens, f = 178mm, Aperture 32mm Slit : Brass with micrometer Reticle : 90 cross etched on glass Eyepiece : 10X, Gauss eyepiece, inbuilt magnifier Base: 190mm Triangular, Cast Iron</p>

**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)
<b>Total Cost</b>							

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.

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. \_\_\_\_\_