Office of the Principal, Rajiv Gandhi Institute of Technology, Kottayam

SHORT TENDER NOTICE

No. D1/4620/20/RIT

Dated: 12.02.2021

Sealed tenders are invited for the supply of one Emissometer for the use of Mechanical Engineering Department of Rajiv Gandhi Institute of Technology, Kottayam.

<table>
<thead>
<tr>
<th>Sl.No</th>
<th>Tender No</th>
<th>Item</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>4/20-21/RIT</td>
<td>one Emissometer (Specifications attached)</td>
</tr>
</tbody>
</table>

[Signature]

RAJIV GANDHI INSTITUTE OF TECHNOLOGY
VELLOOR P.O., KOTTAYAM
KERALA, PIN: 686501
Cost of tender form original: ₹ 708/- including GST 108/-
Cost of tender form duplicate: ₹ 354/- including GST
By Post (Original): ₹ 743/- (708+35).
Last date and time of sale of tender form: 24/03/2021, 1 pm
Last date and time of receipt of tender: 25/03/2021, 1 pm
Date and time of opening of tender: 25/03/2021, 3 pm
Date up to which rates are to be firm: 31/12/2021

Total Estimated cost: ₹ 125000/-

Intending tenderers may obtain the requisite tender form on which tenders are to be submitted. Application for the tender form should be accompanied by a remittance of above prices fixed for the same and which is non-refundable under any circumstances. The tender forms are not transferable. Cost of tender form is acceptable only by money order or cash remittance to this office. As per condition the tenderer should send along with his tender an agreement executed and signed in Kerala Stamp paper worth Rs.220/- and Earnest money deposit 1% (Minimum amount: ₹ 1500/-) of the total cost of articles tendered. Tenders without agreement, tender form and Earnest money deposit will be rejected.

Dr. Jala J M J
Principal
## DETAILS OF ITEM TO BE SUPPLIED

<table>
<thead>
<tr>
<th>Sl.No.</th>
<th>Name of Equipment</th>
<th>Quantity required</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>Emissometer</strong></td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>Emissometer is a special purpose instrument to measure the emittance of absorber coatings used for the flat plate solar thermal collector, wherein the maximum working temperature of the collector is in the range of 80-85°C. The emissometer is heated to 82°C so that the sample need not be heated. At 82°C, the spectral range of the thermal radiation emitted from the surface is in the range of 3-30 mm. The detector in the emissometer consists of a differential thermopile with low and high emittance areas, which ensures near constant response to the emitted radiation in this wavelength range. READOUT: D&amp;S Scaling Digital Voltmeter</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>Wavelength Range: 3-30 μm</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Detectors: Radiation detector</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Repeatability: ±0.01 emittance units</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Heat sink: Provided to keep both sample and standards.</td>
<td></td>
</tr>
</tbody>
</table>

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**Note:**

[Signatures and stamps]

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Rajiv Gandhi Institute of Technology, Kottayam

Dated: 12.02.2021

**TENDER SCHEDULE**

Superscription : Tender No.4/20-21/RIT Supply of one Emissometer for the Mechanical Engineering Department

Last date and time receipt of tender : 25/03/2021, 1 pm

Date and time of opening of tender : 25/03/2021, 3 pm

Last date and time of sale of tender form : 24/03/2021, 1pm

Date upto which the rates are to be firm : 31/12/2021

Cost of tender form

: Original Rs.708/- (including GST- 108/-)

: Duplicate Rs.354/- (including GST)

: By Post Rs.743/- (708+35)

Address of the Officer from whom Tender : THE PRINCIPAL,

Forms are to be obtained to whom tenders are to be send

RAJIV GANDHI INSTITUTE OF TECHNOLOGY,

VELOOR P. O., PAMPADY,

KERALA,

PIN - 686501

**List of items Required**

<table>
<thead>
<tr>
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