



# Energy Management Centre

(State Designated Agency to enforce Energy Conservation Act 2001)

Department of Power, Government of Kerala

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## ENERGY MANAGEMENT CENTRE- KERALA

### THIRUVANANTHAPURAM

No: EMC/255/2022-ETB-4(ESS)

01.06.2022

### OFFICE ORDER NO:10/2022

The Energy Management Centre- Kerala has setup a Lighting and Luminaries Test facility. In this regard, it is decided to fix the testing rates as follows

#### Type of Luminary: LED Bulb/ Incandescent Bulb/ LED Tube.

SN	Parameter	Testing Charge per unit item (in Rs.)	GST	Total (in Rs.)
1	<ul style="list-style-type: none"> <li>Luminous Intensity</li> <li>Luminous Intensity Distribution</li> <li>Correlated Color Temperature</li> <li>Color Coordinates</li> <li>Color rendering index (CRI)</li> </ul>	6,000/-	18%	7080/-
2	<ul style="list-style-type: none"> <li>Luminous Flux</li> <li>Luminous Efficacy</li> <li>Input AC power</li> <li>Input voltage frequency</li> <li>Power Factor</li> <li>Input RMS AC voltage</li> <li>Input RMS AC Current</li> <li>Total Harmonic Distortions</li> </ul>	7000/-	18%	8260/-
3	<ul style="list-style-type: none"> <li>Luminous Flux</li> <li>Luminous Intensity</li> <li>Luminous Efficacy</li> <li>Luminous Intensity Distribution</li> <li>Correlated Color Temperature</li> <li>Color Coordinates</li> <li>Color rendering index (CRI)</li> <li>Input AC power</li> <li>Input voltage frequency</li> <li>Power Factor</li> <li>Input RMS AC voltage</li> <li>Input RMS AC Current</li> <li>Total Harmonic Distortions</li> </ul>	12,000/-	18%	14,160/-

#### Type of Luminary: Street light, Solar Streetlight, Traffic Signal Control light.

SN	Parameter	Testing Charge per unit item (in Rs.)	GST	Total (in Rs.)
1	<ul style="list-style-type: none"> <li>Luminous Intensity</li> <li>Luminous Intensity Distribution</li> <li>Correlated Color Temperature</li> <li>Color Coordinates</li> <li>Color rendering index (CRI)</li> </ul>	7,500/-	18%	8850/-
2	<ul style="list-style-type: none"> <li>Luminous Flux</li> <li>Luminous Efficacy</li> <li>Input AC power</li> <li>Input voltage frequency</li> <li>Power Factor</li> <li>Input RMS AC voltage</li> <li>Input RMS AC Current</li> <li>Total Harmonic Distortions</li> </ul>	8,500/-	18%	10,030/-
3	<ul style="list-style-type: none"> <li>Luminous Flux</li> <li>Luminous Intensity</li> <li>Luminous Efficacy</li> <li>Luminous Intensity Distribution</li> <li>Correlated Color Temperature</li> <li>Color Coordinates</li> <li>Color rendering index (CRI)</li> <li>Input AC power</li> <li>Input voltage frequency</li> <li>Power Factor</li> <li>Input RMS AC voltage</li> <li>Input RMS AC Current Total Harmonic Distortions</li> </ul>	15,000/-	18%	17,700/-

**Complete IESNA APPROVED LM-79 Test using Goniophotometer**

<b>Testing Properties</b>	
<b>Photometric Properties</b>	
<ul style="list-style-type: none"> <li>Luminous flux (lumens)</li> <li>Luminous efficacy (lumens/W)</li> <li>Luminous intensity distribution (candelas)</li> <li>Chromaticity coordinates</li> <li>Correlated color temperature (CCT)</li> <li>Color rendering index (CRI)</li> </ul>	
<b>Electrical Properties</b>	
<ul style="list-style-type: none"> <li>Input AC power</li> <li>Input voltage frequency</li> <li>Power factor</li> <li>Input RMS AC voltage</li> <li>Input RMS AC current Similar for DC powered SSL</li> <li>Total Harmonic Distortions.</li> </ul>	

Type of Luminary	Testing Charge per unit item (in Rs.)	GST	Total (in Rs.)
• LED Bulb/ LED Tube	20,000/-	18%	23,600/-
• Street Light	30,000/-	18%	35,400/-



Director

Copy to,

1. Joint Director
2. Registrar
3. Finance Manager
4. Head, NMEEE & DSM Division
5. Stock file for office orders
6. Establishment stock files
7. PRO& Secretary to Director