

**Specifications of Equipment for Tender Bid cum Quotation**

Name of Equipment/ Assembly	Ultraviolet Light Accelerated Weathering Tester
Related Standards to be accorded	ASTM G154, ASTM D4329, ISO 4892-1, ISO 4892-3, EN 12224
Features/capabilities /Specifications	<ul style="list-style-type: none"> <li>• Sample Capacity : atleast 24 pieces of standard specimen (minimum 75mm × 150mm)</li> <li>• Light Source: <ul style="list-style-type: none"> <li>○ UV-A (having emission peak at 313 nm)</li> <li>○ UV-B (having emission peak at 313 nm)</li> </ul> </li> <li>• Number of bulbs, so to perform at least 6000 Hours of testing</li> <li>• The range of Irradiance: 0.5 W/m<sup>2</sup> ~1.5 W/m<sup>2</sup></li> <li>• Temperature Range (Black Panel temperature): RT+10°C~80°C</li> <li>• Aluminium alloy backing panel as per ASTM D4329</li> <li>• Interior of cabinet Stainless steel with Powder coating</li> <li>• Insulating area/space shall be specified clearly</li> <li>• Adjustable water supply may be provided</li> <li>• Make, and country of origin shall be mentioned for all parts.</li> </ul>
Make	<ul style="list-style-type: none"> <li>• Clear mention <b>Make</b> in the bid</li> </ul>
Electrical Supply Requirement	<ul style="list-style-type: none"> <li>• Electricity supply requirements (voltage and phase) shall be clearly mentioned</li> <li>• Mention in case of Requirement of UPS (Uninterrupted Power Supply) with capacity</li> </ul>
Size and weight	<ul style="list-style-type: none"> <li>• Mention area required for positioning of equipment.</li> <li>• Mention total weight of the equipment.</li> <li>• Mention specific requirement of foundation/pedestal for resting the equipment, if any.</li> <li>• Mentioned need of vibration isolated, if needed</li> </ul>
Water and air supply requirements	<ul style="list-style-type: none"> <li>• Mention the requirement to supply of compressed air, if any.</li> <li>• Mention the requirement and arrangement of water supply, if any.</li> </ul>
Compatibility of parts	<ul style="list-style-type: none"> <li>• In case of accessories from make differing to the make of equipment, compatibility shall be checked and certified by the bidder.</li> </ul>
Calibration Certificates, technical manual and SOP	<ul style="list-style-type: none"> <li>• The calibration certificates shall be provided with equipment and accessories.</li> <li>• Validity of calibration certificate for all devises shall not be less than one year.</li> <li>• Technical manual and Standard Operating Procedure document shall be provided.</li> </ul>