

Specifications of Equipment for Tender Bid cum Quotation

Name of Equipment/ Assembly	Bench Xenon Tester Chambers
Related Standards to be accorded	ASTM G155, ASTM D4355, ISO 4892-1, ISO 4892-2, IS 13162 (Part 2)
Features/capabilities /Specifications	<ul style="list-style-type: none"> • Sample Capacity : atleast 15 pieces of standard specimen (50 mm × 150 mm) • Light Source: <ul style="list-style-type: none"> ○ UV-A (having emission peak at 313 nm) ○ UV-B (having emission peak at 313 nm) • Number of bulbs, so to perform at least 6000 Hours of testing • The range of Irradiance: 0.3 W/m² ~1.5 W/m² • Temperature Range (Black Panel temperature): RT+10°C~80°C and Relative Humidity Range: 20% to 60% • Chamber temperature and humidity control system • Water spray arrangement • Backing panel as per ASTM D4355. • Interior of cabinet Stainless steel with Powder coating • Insulating area/space shall be specified clearly • Water supply, demineralization/deionization system with temperature, should be provided. • Calibration radiometer for all lamps • Make, and country of origin shall be mentioned for all parts.
Make	<ul style="list-style-type: none"> • Clear mention Make in the bid
Electrical Supply Requirement	<ul style="list-style-type: none"> • Electricity supply requirements (voltage and phase) shall be clearly mentioned • Mention in case of Requirement of UPS (Uninterrupted Power Supply) with capacity
Size and weight	<ul style="list-style-type: none"> • Mention area required for positioning of equipment. • Mention total weight of the equipment. • Mention specific requirement of foundation/pedestal for resting the equipment, if any. • Mentioned need of vibration isolated, if needed
Water and air supply requirements	<ul style="list-style-type: none"> • Mention the requirement to supply of compressed air, if any. • Mention the requirement and arrangement of water supply, if any.
Compatibility of parts	<ul style="list-style-type: none"> • In case of accessories from make differing to the make of equipment, compatibility shall be checked and certified by the bidder.
Calibration Certificates, technical manual and SOP	<ul style="list-style-type: none"> • The calibration certificates shall be provided with equipment and accessories. • Validity of calibration certificate for all devices shall not be less than one year. • Technical manual and Standard Operating Procedure document shall be provided.