

Specifications of Equipment for Tender Bid cum Quotation

Name of Equipment/ Assembly	Creep Test Apparatus (Loading frame)
Related Standards to be accorded	IS 14739, ISO 13431, ASTM D5262
Features/capabilities /Specifications	<ul style="list-style-type: none"> • Clamping systems for 200 mm wide sample with a mechanical jaw in accord to ASTM D5262. • The gauge length of the sample shall be 200 mm. • Three sets of loading frame, each facilitating testing for 04 samples simultaneously. • Each sample shall have facility to provide dead weight from 1 kN to 250 kN. • Mechanical system(s) for measurement of elongation for the length of 75 mm and 100 mm for each specimen, at the centre of sample. The measurement system shall be capable to measure elongation using the mechanical dial gauge or LVDT having 25 mm capacity and 0.01 mm least count. (i.e. one can use either dial gauge or LVDT at his/her will in the system.) • Vibration isolator shall be provided at the bottom of the frame. • Data Acquisition System with data logging for atleast 10 set of tests • Digital display for individual displacements • System password to be provided for calibration
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 devises shall not be less than one year. • Technical manual and Standard Operating Procedure document shall be provided.