

ELECTROMECHANICAL CREEP TESTING MACHINE

Sr#	Description	Qty
1	<p><u>Electromechanical Creep Testing Machine</u></p> <p>Main System Functions:</p> <ul style="list-style-type: none"> Machine should be capable of Creep tests at elevated temperatures, Relaxation tests, Creep crack tests, Long term tests, Tensile, Compressive and Fatigue tests <p>Load Range:</p> <ul style="list-style-type: none"> Machine should have interchangeable load cells of 10kN, 50kN and 100kN <p>Technical Parameters:</p> <ul style="list-style-type: none"> Test Speed Range: Between 0.001 and 100 mm/min Accuracy of test speed: $<\pm 0.1\%$ Vertical Test Space: 1000-1500mm Load Cell Repeatability: Better or equal to $\pm 0.05\%$ Floor Mounted <p>Extensometer:</p> <ul style="list-style-type: none"> Extensometer with high temperature resistance <p>High Temperature Furnace with Control System:</p> <ul style="list-style-type: none"> Working temperature: 200°C - 1200°C Temperature gradient: Less than 3°C Temperature Accuracy: $\pm 1^\circ\text{C}$ Temperature control and recording systems with thermo couples etc. <p>Control System:</p> <ul style="list-style-type: none"> Computer controlled with easy software interface Force, Stress and Strain Control Integration of high temperature control <p>Pull Rods and Adapters:</p> <ul style="list-style-type: none"> Pull rods and adapters for shoulder headed, threaded head, clevis couplings specimens type Made of High Strength Super alloys or Inconel/Haste alloy <p>Pre-Shipment Inspection & Training:</p> <ul style="list-style-type: none"> Free of cost pre-shipment inspection and training for 02 personnel at manufacturer's site for one week. Travelling, boarding & lodging will be on buyer's account <p>Manual:</p> <ul style="list-style-type: none"> Installation, Operation, Maintenance and Software manual in English <p>Spare Parts:</p> <ul style="list-style-type: none"> Spare parts for at least 5 years trouble free operation 	One
<p>Notes:</p> <p>a. Make: Machines/systems of Western European, USA or Japanese origin are acceptable.</p> <p>b. Detailed technical literature of the offered system must be submitted with the quotation.</p>		