

Amendments to the technical specifications
Tender Notice No. NITW/CS-3/2018-19, dated 07-09-2018
Item No. 2 - ±100 kN Servo-electric fatigue test systems (2 Nos.)

S.No.	Ref. in our specs	Existing	Changed as
1.	Line No.2 of Section 2.1 Load Frame	It shall be possible to position and lock the upper cross head using hydraulic means.	It shall be possible to securely clamp and lock the upper cross head at the desired height using mechanical / hydraulic means.
2	Line No.4 of Section 2.1 Load Frame	The total stroke range should be ± 100 mm	The total stroke range should be ± 50 mm
3	Line No.10 of Section 2.1 Load Frame	Frame stiffness: 600 kN/mm	Frame stiffness: 600 kN/mm at a distance of 1 m between cross head and base platen
4	Line No.3 of section 2.3	Travel: ± 100 mm	Travel: ± 50 mm
5	Section 2.6 Furnace	The furnace shall be rated to 1000 °C and should include air cooling ventilation fans for the sensors. Three-zone, split-type resistance heating furnace,	The furnace shall be rated to 1000 °C and should include suitable cooling mechanism for the extensometer transducer. Split-type resistance heating furnace,
6	Line No.6 of section 2.6	Uniform heating zone: 100 mm (minimum)	Uniform heating zone: 100 mm (minimum) around the centre of the furnace
7	Line No.7 of section 2.6	Temperature accuracy: ±1 °C 200 °C to 350°C: ± 2 °C 350°C to 1000°C: ± 1 °C	Temperature accuracy: 200 °C to 350°C: ± 2 °C 350°C to 1000°C: ± 1 °C
8	Line No. 10 of section 2.6	Furnace shall have suitably placed peep-holes for inserting a thermocouple for	Furnace shall have suitably placed peep-hole for inserting a separate thermocouple for
9	Line No. 4 of section 2.8	Windows 8 or the latest operating systems.	Windows 10 or the latest operating systems.
10	Additional point added in section 2.10	Additional point added after line No. 4	Furnace off in case of any interruption in the pull-rod cooling water flow.
11	Section 2.13 Spares	In addition, the following spares shall be quoted separately as an option: a) One No. of strain gauge for extensometer. b) One set of heating elements for the furnace c) 10 sets of fuses. d) 5 sets of extensometer mounting ceramic arms e) Extensometer with a range of ±2.5 mm for a gauge length of 25 mm.	In addition, the following spares shall be quoted separately as an option: a) 10 sets of fuses. b) 5 sets of extensometer mounting ceramic arms c) Extensometer with a range of ±2.5 mm for a gauge length of 25 mm.

Carulga

Special Conditions:

Delivery period: 4 to 6 months

Prices: FOB / CIP by AIR only

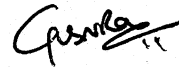
Comparison of prices will be done based on FOR destination.

EMD - Can be Cheque / DD / Bank Guarantee (BG)

Certificate of origin has to be issued from Chamber of Commerce

Pre-installation requirements for site preparation are to be submitted along with tender document.

Payment terms: 100% irrevocable Letter of Credit (LC), 90% against submission of shipping documents and rest 10% will be after installation and satisfactory performance. However, LC will be opened on receipt of 5% of the total order value (including the EMD) towards Security Deposit (SD).

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