TEQIP-III

OFFICE OF THE TEQIP ::: JORHAT ENGINEERING COLLEGE

JORHAT : 785007, ASSAM

www.jecassam.ac.in

Reference No. TEQIP-III/As/jejc/116/Corig-10 Date 27/11/2019

CORRIGENDUM NO: 10

In connection with the invitation of quotation for the Package Code TEQIP-IlI/2019/AS/jejc/116 published in the website www.jecassam.ac.in the Corrigendum are :

1. Technical Specification, Annexure I, the specification should be read as Modified specification (Hence the existing specification is replaced with the modified specification)

SI No	**Existing Specification**	**Modified Specification**
1	**Universal Testing Machine Computerized Capacity, 1000KN, 6 Pillar** **Type with Hydraulic Jaws** **It comprises of :** **a. Loading Unit** **b. Measuring Control Panel** **Loading Unit** – This is similar to standard loading unit of analogue type Universal Testing Machine. In addition to standard features of regular loading unit, a ROTARY ENCODER is attached to the Hydraulic Ram to get accurate displacement of the ram. **Measuring Control Panel** - this includes : **1.** Highly precision, sealed and very accurate pressure transducer mounted on the Hydraulic pressure line of the loading unit. **2.** Highly stable data ACQUISITION system to convert Analogue output of pressure transducer into equivalent Digital Data. **3.** Digital Signal Processing Unit: This is state of the art, MICROPROCESSOR based signal processor which operates on Digital O/P Signal from Data ACQUISITION part and displays the test results on large digital displays. This also handles relevant calculations to get, UTS value, % Displacement, Break load etc. **4.** Keyboard / Display Panel : This is ergonomically designed for bet interaction between operator and the machine. This incorporates sealed MEMBRANE type keyboard for data feeding & large display for load & displacement. Apart from above a parallel printer port & RS232 serial communication port is also incorporated. Through the printer port a Dot Matrix printer can be attached to get stress / interface and hence to add variety of application software. **Features:** Window based software to be upgraded. Extensive Graphic Support. Variety of software packages can be upgraded. Print format of customer's choice. Remote control system for moving the middle head up and down for adjusting the sample, for existing sample in the grips for tensile test. Result includes - Load vs. displacement curve, max load, Young's Modulus, 0.1% or 0.2% Proof test (with extensometer) etc. **Technical Specifications:** Resolutions : 0.05kN	**Universal Testing Machine Computerized Capacity, 1000KN, 6 or 4 Pillar** **Type with Hydraulic Jaws** **It comprises of :** **a. Loading Unit** **b. Measuring Control Panel** **Loading Unit** – This is similar to standard loading unit of analogue type Universal Testing Machine. In addition to standard features of regular loading unit, a ROTARY ENCODER is attached to the Hydraulic Ram to get accurate displacement of the ram. **Measuring Control Panel** - this includes : **1.** Highly precision, sealed and very accurate pressure transducer mounted on the Hydraulic pressure line of the loading unit. **2.** Highly stable data ACQUISITION system to convert Analogue output of pressure transducer into equivalent Digital Data. **3.** Digital Signal Processing Unit: This is state of the art, MICROPROCESSOR based signal processor which operates on Digital O/P Signal from Data ACQUISITION part and displays the test results on large digital displays. This also handles relevant calculations to get, UTS value, % Displacement, Break load etc. **4.** Keyboard / Display Panel : This is ergonomically designed for bet interaction between operator and the machine. This incorporates sealed MEMBRANE type keyboard for data feeding & large display for load & displacement. Apart from above a parallel printer port & RS232 serial communication port is also incorporated. Through the printer port a Dot Matrix printer can be attached to get stress / interface and hence to add variety of application software. **Features:** Window based software to be upgraded. Extensive Graphic Support. Variety of software packages can be upgraded. Print format of customer's choice. Remote control system for moving the middle head up and down for adjusting the sample, for existing sample in the grips for tensile test. Result includes - Load vs. displacement curve, max load, Young's Modulus, 0.1% or 0.2% Proof test (with extensometer) for multistrand steel wire and steel rod **Technical Specifications:** Resolutions : 0.05kN (maximum) Max. Clearance for Tensile Test : 50-850 mm Max. Clearance for Compression Test : 0-850 mm

	Max. Clearance for Tensile Test : 50-850 mm Max. Clearance for Compression Test : 0-850 mm Clearance between columns : 750mm Ram Stroke : 250 mm Straining/Piston Speed at no load : 0-80 mm **For Tension Test :** Clamping jaws for round specimens diameter : 08-45mm Clamping jaws for flat specimens – Thickness : 0-40 mm Clamping jaws for flat specimens – Width : 70 mm **For Compression Test :** Pair of Compression plates of diameter : 220 mm **For Transverse Test :** Table with the adjustable rollers – 160 mm Width of rollers – 160 mm Diameter of rollers – 50 mm Max. Clearance between supports – 800 mm Radius of punch tops – 16/22 mm **For Shear Test :** Diameter : 8,10,12,16 & 20 mm **Dimensions (mm approx.) –** L – 2420 mm W – 820 mm H – 2900 mm **Electric Supply** - 2.6 kW [suitable for operation on 440V, 50 Hz, 3 Phase AC supply] **Weight (approx.)** 5500 kg. (With Box) 3500 kg. (Without Box)	**For Bend and rebend test** **Equipped with 14 numbers of mandrel** **For Tension Test :** Clamping jaws for round specimens diameter : 08-45mm Clamping jaws for flat specimens – Thickness : 0-40 mm **For Compression Test :** Pair of Compression plates of diameter : 220 mm (maximum) **For Transverse Test :** Table with the adjustable rollers punch tops **For Shear Test :** Diameter : 8,10,12,16 & 20 mm **Electric Supply** - suitable for operation on 440V, 50 Hz, 3 Phase AC supply

The remaining terms and conditions of the bid documents shall remain unchanged.

Dr. Diganta Hatibaruah

Coordinator

TEQIP-JEC