



Offi : 0261- 2201532  
Fax : 0261-2228394  
Grams : SVNIT  
SARDAR VALLABHBHAI NATIONAL INSTITUTE OF  
TECHNOLOGY, SURAT-395 007.

No.: AMD/SVNIT/ 2018-19/ 3115

Date: 09/01/2019

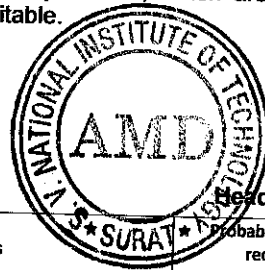
**SUB: - ENQUIRY FOR SUPPLY OF -**  
**MCS Software suitable for the application for plotting graphs of Load vs Displacement and Load vs CMOD**

Dear Sir,

You are requested to quote your prices for supply of stores listed below. The quotations may be sent to the undersigned in a sealed envelope and subscribed as: "Quotation with reference to Enquiry No. AMD/SVNIT/2018-19/3115 dated 09/01/2019 on or before 18/01/2019

The quotations should be furnished with the following information.

- 1) The brand or make of each item should be specifically stated and wherever necessary, Complete set of specifications and dimensions should be given.
- 2) If asked, samples are accompany the quotations
- 3) Sales tax, General tax, Central Sales tax, Custom duty, Insurance charges, Packing and Forwarding charges, if not included in the prices quoted, should be clearly specified.
- 4) The period of validity of the quotation should be at least 30 Days. Offers subject to prior sale may please be avoided.
- 5) The delivery period is to be clearly mentioned in the quotation.
- 6) The mode of delivery of the stores may be mentioned. The delivery should be F.O.R. Surat or at the Institute.
- 7) All concessions available to an educational institution should be specified and also taken into account while quoting.
- 8) This Institute is located within the limits of S.M.C. & exempted from the paying of octroi duty on incoming goods from outside limits of S.M.C.
- 9) This Institute is registered with the dept. of scientific & industrial Research (DSIR) for the purpose of availing custom duty exemption & central excise duty exemption, and hence the certificate to this effect will be issued wherever it is necessary on demand.
- 11) Payment is normally made by cheque drawn on the S.V.N.I.T. Branch Office of State Bank of India, Surat-395007 within a period of thirty days from the date of receipt of stores.
- 12) The Director reserves the right to accept stores, which are not strictly in confirming with the specifications but otherwise, found suitable.



Yours faithfully,

*[Signature]*  
10.01.19

Head, Applied Mechanics Department

Sr. No.	Item/Stores with Specifications	Probable quantity required	Whether sample of paper/Register/Item is to be sent or not
1.	MCS Software suitable for the application for plotting graphs of Load vs Displacement and Load vs CMOD. Batch wise testing and analysis of results. Displacement rate control. Supports Latest windows operating system. CMOD measurement up to 15 mm at 0.03 mm/min or 0.0005 mm/sec 3 Point Flexural Attachment 3 Point Flexural Attachment (Refer : Annexure -1 for detail specification	01	-

## Annexure-1

**MCS Software suitable for the application for plotting graphs of Load vs Displacement and Load vs CMOD.**

Batch wise testing and analysis of results.

Displacement rate control.

Supports Latest windows operating system.

CMOD measurement up to 15 mm at 0.03 mm/min or 0.0005 mm/sec

3 Point Flexural Attachment

4 Point Flexural Attachment

### **Technical Specifications**

#### **SOFTWARE FEATURES**

- 1) Works ONLY with LATEST MCS's controller through USB communication port.
- 2) Suitable for hydraulic and electro mechanical type testing machines of Indian & imported make
- 3) Suitable for Tensile, Compression, Cyclic, Torsion, Spring, Bend, Flexural & other tests. 4) On-line display of Load/Displacement/Extension/Strain Rate/load Rate on computer
- 5) Supports analog and digital type of extensometers with fixed /variable gauge lengths 6) Easy test set up with data entry suitable for wide range of tests with relevant standards 7) Case sensitive help given to help operator for easy and accurate test set up.
- 8) Simultaneous multi-graph plotting of Load vs Displacement, Stress vs Strain
- 9) Servo controlled operation using PID algorithm for precise Load Rate & Strain rate control,
- 10) Extensive graphics with curve tracing/zooming facility.
- 11) Auto selection of graph borders for various tests to get visible real time graph on PC.
- 12) Wide range of test results selection like UTS, Proof Stress, Young's Modulus, % Elongation, % Red in Area, Breaking Stress, Uniform strain, Area under curve.
- 13) Data storage as per specimen type, operator's name with proper supervisory control.
- 14) Unit changing facility for different units like N, kN, kg, T, MPa, KSI, PSI
- 15) Automatic on-line Proof Stress evaluation during test enables accurate values.
- 16) PDF file generation, export to EXCLE facility.
- 16) Facility to interface the CMOD with the software.
- 17) CMOD controlled displacement rate control.

