JNTUH COLLEGE OF ENGINEERING HYDERABAD

(*AUTONOMOUS*)
KUKATPALLY, HYDERABAD – 500 085, TELANGANA STATE, INDIA
CENTRE OF EXCELLENCE - DISASTER MANAGEMENT (TEQIP-II)

ADVERTISEMENT

The following equipment is proposed to be purchase under CoE (TEQIP-II)
Name of Equipment: **Horizontal Shake Table**
Specifications:

1. **Servo Hydraulic Actuator (20 KN)**
   a) Max. Displacement (100 mm OR ±50mm)
   b) Max. Velocity (0.3 m/sec)
   c) Max. Acceleration (3g, Bare Table)
   d) Frequency Range (up to 100 Hz)
2. **Slip Table Platform**
   a) Platform Size (1.5m x 1.5m)
   b) AL/ Mg Alloy
   c) Hydraulic Bearing Guidance
   d) Hydraulic Power Pack for lubrication
   e) Payload capacity (500 Kg max.)
   f) Combo-Base mounting for true alignment withActuator
   g) Control and Safety Switches for safe operation
3. **Transducers**
   a) Displacement Transducer LVDT (100 mm)
   b) Load Cell (50kN)
   c) Accelerometer with Interface Cable
4. **Hydraulic Power Pack for Actuator with Water Cooling System**
5. **Servo Valve**
6. **Vibration Control System**
   a) Real Time DSP Processing Module
   b) USB 2.0/ LAN connectivity
   c) 4-channel Input for Control/ Monitoring
   d) 2-Channel Output (Servo Drive & COLA)
   e) 24 Bit ADC & DAC
   f) Manual TEST ABORT Button
   g) Signal Conditioning for Transducers
   h) Windows based GUI for Easy Interfacing
   i) Test Software for Sine operation
   j) Test Software for Random operation
   k) Online and Offline Test Report Generation
7. **Branded PC- with Windows OS, 19.5" TFT Monitor A4 size DeskJet Color Printer and 500VA**
      UPS (HP or DELL or Lenevo)
8. **Inter-Connection Cables and Accessories Essential for operation**
9. **System Manual (Technical, Operation & Maintenance)**
10. **Installation, Commissioning and Operational Training**

The vendors are requested to submit the details of their firms to the principal on or before 07/02/2015, so as to send the invitations to their firm the purchase of the above equipment.

Coordinator   **PRINCIPAL**