1. ATOMIC ABSORBANCE SPECTROPHOTOMETER

We are inviting tender for computer controlled AAS with following specification offered AAS must be having capability to upgrade with Graphite furnace, Auto Diluter & Electrically Heated Cell in future.

Design

- All connections on the side of the instrument
- Easy access lamp carousel
- Debris collection tray under flame compartment

Operation

- Automatic operation and multielement capability
- Flame atomic absorption/emission measurement

Optics & Background

- 6 lamp auto-aligning turret with dedicated power supplies for each lamp
- Can accommodate uncoded or data coded and single or multi element lamps
- Double beam Stockdale Optics
- High energy, silica coated, sealed optical system with self calibrating Ebert monochromator
- Monochromator with 1800 l/mm grating
- Wavelength range 185-900 nm with a wide range PMT and 185 – 760nm with a standard PMT
- Spectral bandpass of 0.2, 0.5 or 1.0 nm should be automatically selectable
- Deuterium lamp background correction system modulated at 200/240 Hz,
- Guaranteed background correction for up to 2 Abs of background with maximum error of 2%.

Flame System

- Universal 50mm burner suitable for air/acetylene and nitrous oxide/acetylene flame types supplied as standard
- An inert fluoroplastic spray chamber incorporating an externally adjustable inert impact bead and flow spoiler.
- An inert over-pressure membrane should be housed in the rear of the spray chamber for maximum operator safety.
- Automatic gas system using binary flow control and programmable array state logic for reliability

- Full safety interlocks, including pressure sensors on both lines, power failure protection, burner interlock and flame sensor
- Fuel and oxidant flow rates software controllable
- Automatic flame ignition
- One spray chamber configuration and burner for all gas mixtures and sample types
- Automatic flame optimization
- Burner Height adjustment must be a automatic through software.

Software

- Operating AA software supplied as standard
- Compatible with Windows 2000, XP Professional and VISTA Ultimate
- Wizard based interface
- Complete user help facility to provide a comprehensive AA Cookbook for all elements.
- Context sensitive help
- Automatic programming of up to 16 elements
- Instrument must be operated through an appropriate data station
- Facility to record lamp usage
- Capable of automatically switching lamps on and off in an intelligent manner to preserve lamp life but also ensure lamps are warmed up sufficiently at time of use
- Normal, standard addition and standard curve calibration methods supported
- Flexible and comprehensive results database filters to select and display the required data
- Export of data to other applications possible
- Integrated Quality Control protocols
- Language options

Accessories items

- Coded Hollow Cathode Lamp Mercury, Lead, Arsenic, Cadmium
- Vapor Hydride generator with following specification
    - Operating on the continuous flow principle
    - All Function controlled through software
    - Mercury and heated hydride measurements
    - Electrically heated atomization cell to be accommodated

- **NECESSARY ACCESSORIES FOR ATOMIC ABSORBANCE SPECTROPHOTOMETER**

Kindly quote item for following items

Quantity: 1 no.

1. **Acetylene cylinder Regulator (SS)**
2. **Nitrous Oxide Cylinder & regulator with Heating**
3. **Ultra Pure Argon Cylinder with Regulator for Hydride Generator**
4. **Air Compressor**
5. **Exhaust Hood SS with FAN, 2 mtr Ducting**
6. **5 KVA Stabilizer**
7. **Installation and Commissioning**

2. ELECTROLAB TABLET DISSOLUTION TESTER

MODEL TDT-08L Make: Electrolab

With LCD Display,

a) 8 Nos. Paddles (USP II)

b) 8 Nos. Baskets with Rods (USP I)

c) 1 No. Water Circulating Pump

d) 8 Nos. Clear or Amber Color Marlon Jars with lids, Please specify

e) 1 No. Moulded Perspex Water Bath.

f) 1 No. External Probe.

With Programmable System Control with Splash proof operational Panel, LCD Display for RPM, Temperature & Elapsed Time Displays For 12 sampling intervals, Built-in control of speed, Bath vessel Temperature, Interfaces for automated Collector & programmable for 12 Different products.

Salient Features: (For Tdt-08l):

- LCD DISPLAY (20 X 4 Lines)
- Menu Driven Software with ON-LINE Help.
- 8 Paddle Systems
- Snap-Fit Paddles
- Precise Individual Vessel Centering system

- Sturdy bath top plate with clear Moulded bath.
- Real time clock
- Temperature control wake up (Heater turns on at preset clock time)
- 16 Programmable sample intervals & 20 programmable
- Monographs
- Validation prints out with summary of test.
- Power failure recovery.
- On-Line/Off-line sampling facility
- Volume adjustable from 1 to 99 ml.
- Vibration free, smooth electrical lift movement
- Auto calibration of temperature
- Reduces Routine Validation
- Audio-Visual status and error indication
- On-line validation of RPM.
- Instrument leveling system

3. Digital Weighing Balance

- Shimadzu make, Japan
- Model – AUX - 220