Name of the equipment & detailed specifications	Qty.
ATOMIC ABSORPTION SPECTROMETER 1. Fully Automated PC controlled Truly Double Beam AAS with Integrated Flame & Graphite Furnace. Changeover from Flame to Furnace mode and vice-versa should be software controlled. Operating software for system operation and control should have cookbook prescription for all elements. 2. Wave length Range: 190-850 nm or better 3. Monochromator with focal length 250 nm or more having Holographic/Diffraction grating with 1800 lines/mm 4. Continuum source Deuterium Lamp Background Correction for Flame and Zeeman Background Correction for Graphite Furnace 5. Sensitivity **0.9 absorbance** or better for 5ppm Cu std 6. Automated software controlled slit width 0.2 to 1.0 nm or better 7. Software controlled automatic 8 lamps turret with auto alignment Lamp selection, alignments and operating current should be software controlled 8. Automated vertical and horizontal flame burner head alignment for optimum light transmission 9. Automatic Flame Ignition and extinction with safety interlocks. Gas Box fully automatic 10. 100 mm and 50 mm Titanium Burner heads for air/ acetylene and acetylene/ N_2O flames 11. Computer controlled Heated Graphite Furnace with imported cooling device / Chiller. 12. Furnace temperature 2500° C or better 13. Dedicated Auto-sampler for graphite furnace with minimum 100 sample positions 14. Graphite furnace auto-sampler should have option of pre-concentration and dilution of samples 15. System should be capable of setting a sequence to run different elements sequentially without manual disturbance. 16 Inbuilt graphite tube camera for auto sampler tip alignment & real time viewing 17. 10 nos of pyrolitically coated Graphite tubes 18. Software controlled **Continuous Flow Vapor/hydride accessory** to connect with FLAME ATOMIZER unit. 19. Coded Hollow Cathode Lamps for elements Cu, Cd , Hg , Pb , Cr to be provided with instrument **Terms & Conditions** 20. Instrument should comply with relevant safety & electromagnetic compatibility standards 21. Certificate from manufacturer /supplier for availability of consumables /spares parts for minimum 7 years of operation 22. Website link to technical brochure of quoted instrument to be provided 23. Instrument Warranty for minimum 24 months from the date of installation 24. Free Installation & demonstration of instrument by manufacturer /supplier on site by trained service engineers. Service support during the warranty period to be provided 25. Free Instrument calibration by manufacturer /supplier to be provided for 24 months from the date of installation 26. Free Training for 2 persons to be provided by manufacturer /supplier at their application centre 27. Manufacturer should have service and application centre in India 28. Technically qualified Bidders to give live demo of instrument on CPPRI samples before opening of financial bid.	One