

Item Description	Qty
<p><u>HPGe Gamma Spectrometry System</u></p> <p>One HPGe Gamma Spectrometry System consists of Following Elements:</p> <ol style="list-style-type: none"> i. N-Type Coaxial High Purity Germanium (HPGe) Detector following specifications: <ol style="list-style-type: none"> a. Configuration: PopTop b. Relative Photo Peak Efficiency: 30% c. Energy Range: 3 KeV-10 MeV d. Energy Resolution: (715-730) eV at 5.9 KeV and (1.9-2.0) KeV at 1.33 MeV e. Detector End Cap Diameter: 76 mm f. Peak to Compton Ratio: 52-58:1 ii. Vertical Dipstick Cryostat with Be Window iii. Liquid Nitrogen Cooling System for HPGe Detector with 30 L Dewar Vessel iv. Spectroscopy Pre-Amplifier with High Voltage Protection for Detector Warm-Up v. Spectroscopy Amplifier and Gated Integrator with Auto Pole Zero Adjustment vi. Analogue to Digital Converter (ADC) vii. High Voltage (HV) Power Supply up to 5 KV viii. Software Integrated Multi Channel Analyzer (MCA) Card (8k to 16k) ix. Gamma Spectroscopy Software for the Qualitative and Quantitative Determination of Radionuclides along with Nuclide Isotopic Library x. PC Based Work Station with Gamma Spectroscopy Software Installed xi. Accessories and Cables for Interfacing Detector and PC Based Work Station with Spectroscopy Pre-Amplifier, Amplifier, ADC, HV Power Supply, MCA Card, etc Necessary for Detector Operation xii. Liquid Nitrogen Level Sensor and Monitor xiii. Operational, Technical, Service Manuals xiv. Related Software CDs xv. Training Videos CDs / DVDs <p><u>Limits of Supply</u></p> <ol style="list-style-type: none"> a. Make ORTEC USA, or CANBERRA USA, or Equivalent. b. The supply includes complete unit with required Optional Accessories and Five years Operational and One year Service Warranty. c. Literature required for Evaluation including Application Notes etc should be enclosed with the Offer/s. d. All Operational, Technical, Service Documents / Manuals along with Circuit Diagrams, Related Software CDs, Training Videos CDs / DVDs should be in English Language. e. Free of Cost Training (1-2 week) on the Instrument at the Manufacturer Premises. 	01 No.