

**GTE PROCUREMENT PLAN FOR THE NEXT 3/5 YEARS
CPP-IPR**

S.No.	Description of Item	Broad Technical Specifications/ Parameters
1	W/Mo-dust	1-5 micron, 4-6 micron
2	Cs-ample	1 gm in an ampoule
3	Thoriated tungsten wire	0.25 mm, 0.5 mm dia
4	Thermogravimetric Analyzer	ambient temperature to $\geq 1000^{\circ}\text{C}$, Scanning rate $\leq 0.1^{\circ}\text{C}/\text{min}$ to $\geq 125^{\circ}\text{C}/\text{min}$
5	Metallurgical microscope	Reflecting, trinocular, oil-emersion type, integrated software for grain size measurements
6	UV-Visible spectrometer	Double beam optics, variable band width, 190-1100 nm.
7	Probe shifter and related items/accessories.	z-shifter/drive for Langmuir probe (~110 cm length), ~600 mm stroke with DN-35 CF flanges and applicable adaptor flanges, with height support leg.
8	Controller, Probe interface Module and related items/accessories.	Voltage range: -200 V to +100 V, Step size/resolution: 25 mV Current range: 20 microA to 1 A Minimum resolution: 12 bits Fastest sample time: 15 scans/s Acquisition speed: approx. 69,000 points/s Data channels: Two (tip current, ref. voltage) Acquisition system bandwidth: 1 MHz
9	Anti-vibration Support Frame (Table) for LASER, breadboard, lens, mirrors, mounts, posts, clamps, etc.	

10	Vickers hardness tester	Test force range: 1-2000 gf, automatic loading, manual indenter
11	Sample polisher, accessories and consumables	Semi-automatic, holder for 38 mm dia sample, variable rpm
12	High power switch- Ignitron NL 8900	