



INDIAN INSTITUTE OF TECHNOLOGY BOMBAY
MATERIALS MANAGEMENT DIVISION
Powai, Mumbai 400076.

PR No. 1000027233 Rfx No. 6100001155

Detailed Technical Specifications for Spare Part for JEOL TEM JEM-2100F-Anode Chamber:

1. Electron Gun
2. Emitter : ZrO/W{100}
3. Accelerating voltage: 160 kV, 200 kV
4. 1st anode voltage: 0 to 10 kV
5. 2nd anode voltage: 0 to 10 kV
6. Bias voltage: 0 to -1 kV
7. Electron gun lens: Electrostatic lens
8. Accelerating tube: 7 stages
9. Axis alignment: 2nd anode wobbler
 - I. Shift and tilt, coupled two-stage electromagnetic deflector
10. HV conditioning switch: Built-in
11. Short-circuit switches for electrodes: Optional (for 80 to 120kV)
12. Airlock valve: Built-in