

## **FE-SEM Supra 55 (Germany) with Air Lock, EDS, EBSD in CRF, ISM**

The **Central Research Facility (CRF)** has installed **FE-SEM Supra 55** (Carl Zeiss, Germany) with **Air Lock** chamber for scientific research. Attachments available with the FE-SEM are Energy Dispersive Microanalysis (Oxford **Liquid Nitrogen free SDD X MAX 50 EDS**), Electron Backscatter Diffraction (Oxford **Integrated Advanced Aztec HKL EBSD** with forescatter detector system with 4 diodes for Nordlys Analysis).

Detail of the specifications of FE-SEM is as follows:

### **FE-SEM**

Resolution: 0.8 nm at 15 KV, 1.6nm at 1 KV

Magnification: 12-1000000X

Acceleration voltage: 100V TO 30 KV

Gun type: Schottky Field Emission Electron Gun

Maximum Probe Current: 12 pA to 100 nA

Detectors: SE, In-Lens, BSE, Retractable STEM with Bright and dark field

**For analysis rates and getting slot please see the indent form and rules**

