

Field Emission Gun Scanning Electron Microscope (FEG SEM)

(Analysis Request Form)

Applicant Details

User name: Department:.....
Guide name:.....Guide email ID:.....
Lab Contact (Ext no.).....Mobile:.....
IIT B Mail ID:Gmail ID:

Type of analysis:

Mode	No of samples / No of analysis
Imaging (Surface or Cross section)	
Imaging (Surface + Cross section)	
EDS (spot/area/line)	
EDS Mapping	
Total analysis (Imaging +EDS+ EDS mapping)	

Sample information:

Sample type	Biological / Composite Material / Thin Film / Crystalline Solid / Metal/Polymer/Ceramic/Composite/ Other (Please specify): *biological samples should be submitted after primary fixation
Detailed description of the sample	
Sample form	Powder/Pellet/Suspension/On glass substrate/Film/Others.....
If sample is Pellet, thin film (max.10mm x 10mm x 10mm height)	Mention sample dimensions.....
Nature of the sample	Non-Conducting / Conducting / Semi-Conductor
Sample is	Magnetic /Non Magnetic
Expected Morphology and particle size	Brief description of shape.....Particle size.....
If EDS is required	Point EDS /area EDS/EDS mapping/ line scan List of expected elements (for EDS):
User's Remark	

Material safety data:

Sample Properties	Carcinogenic (level) ☐ Toxic ☐ Radioactive ☐ Corrosive ☐ Explosive ☐ Flammable ☐ Other (specify):
Health hazards	Yes ☐ No ☐ (irritant to skin/irritant to eyes/harmful to skin/ toxic if inhaled/toxic if ingested)