



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

**Reference No. PR-1000016808 (RFx No. 6100000563)**

**Technical Specifications**

**1) Source and Measure Unit (SMU)**

SMU 2-channel with accessories of connecting  
cables and adapters

Current sourcing: 1pA

Voltage sourcing : 1 uV

Current measure: 100 fA

Voltage measure: 100 nV

**2) Signal Source Analyser**

7 GHz signal source analyzer with phase noise -137 dBc at 1GHz and 10 kHz offset

Accurate phase noise measurement as low as -127dBc at 1 GHz and 10 kHz offset

**3) Benchtop Signal Analyser**

13.6 GHz Benchtop signal analyzer with display noise level -140 dBm at 1Hz bandwidth and RF probes.

Accurate power spectral density measurement as low as -130 dBm at 1 Hz bandwidth with appropriate RF probes.

**4) EMI shielding Unit for RF probe station with 4 electrical probes.**

Shield enclosure with 6x triaxial and 1x C-V feedthrough suitable for EPS 150.