



INDIAN INSTITUTE OF TECHNOLOGY BOMBAY

MATERIALS MANAGEMENT DIVISION

Powai, Mumbai - 400076

Specifications of Add-on components of existing NSOM/AFM setup

RFx No. 610000997 (Reference No. 100023875)

Specifications:

Add-on components of existing NSOM/AFM setup with functional flat scanner, confocal microscope, current pre-amplifier for C-AFM module, hardware desktop.

1. MV4000 AFM head with all necessary accessories (DT PCI card, controlling upgraded compatible software on latest windows OS)
2. Piezo Force Microscopy (PFM) module with option of using existing dual optical confocal microscope to do optical-PFM. The PFM data should be performed online with the AFM mapping and is fully correlated with topographic information. Should be capable of providing D33 and D31 scans with values from 10 pm/V onwards up to 500 pm/V.
3. C-AFM module will be altered to allow for use with the above AFM head
4. 25 specialized glass-based probes with tuning fork feedback will be provided for AFM, NSOM and C-AFM which do not block optical axis.
5. 10 silicon-based probes will be provided for contact mode PFM
6. Installation and training on add-on setup
7. Warranty: 1 year
8. Includes the packing and shipping of to and fro cost of existing components to OEM (except confocal microscope back).
9. It is mandatory to quote price on DAP basis in the bidding engine. Bidders have to select FCA/ FOB as the system won't allow bidders to select DAP in online bidding engine.