



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

PR No. 1000033389 Rfx No. 6100001481:

Detailed Technical Specifications of Up-gradation of existing System (Lab Scale PECVD Systems Plasma Pro 100 PECVD):

- 1) X-20 PLC upgrade for existing Oxford Instruments Plasma Pro 100 system

Upgrade includes:

1. X20 PLC kit for 100 system
2. X20 PLC kit for gas pod
3. Monitor
4. Windows 10 PC base unit
5. X20 Manual
6. Upgrade to the X20 Control system provides a larger bandwidth control system which allows more data to be processed, resulting in extremely accurate control and data logging. All components are modular, allowing fast and easy replacement or repair in the event of failure. This simple, integrated control system provides a robust and compact solution. Installing the X20 Control system allows the latest software to be used and ensures compatibility with all future hardware developments. The X20 is installed on all new manufacture systems and provides our long term platform for the upgrades required, and future potential developments.

- 2) Software Upgraded to PC4500

Upgrade Includes:

1. PC4500 Software Upgrade
2. Remote Installation Support via TeamViewer

- 3) X-20 PLC onsite installation

Service Engineer on site for X-20 PLC installation