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# DEPARTMENT OF PHYSICS, IIT MADRAS

**Tender specifications of the Equipment**

# Equipment: NANO SECOND LASER

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| **NANO SECOND LASER** with following **Specifications is required for undergraduate teaching lab of optics and spectroscopy:** | |
| Wavelength | 1064 nm |
| Repetition rate | 1-10 Hz or higher (Fixed or variable) |
| Pulse duration | 5-10 ns |
| Pulse energy | 20-50 mJ per pulse |
| The equipment should run   1. At room temperature (20-30 C) 2. With power supply of 220-230V AC 3. With internal water cooling of the power supply. No external chiller is required. Air-cooled system will be preferred. | |

Other Conditions

1. Installation and local support must be provided.
2. Should provide two years warranty.

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