

## **SPECIFICATION FOR ICCD**

- |   |          |  |
|---|----------|--|
| <b>1. Active Area</b>                               | <b>:</b> | <b>1024 x 1024</b>   |
| <b>2. Intensifier</b>                               | <b>:</b> | <b>Gen II, 18mm (Desired), Peak QE ~ 18 %</b>              |
| <b>3. Spectral Range</b>                            | <b>:</b> | <b>200-800 nm</b>  |
| <b>4. Gate pulse delay resolution</b>               | <b>:</b> | <b>Programmable, Starting from &lt; 10 nesc, &lt; 1 ns</b> |
| <b>5. Gate Pulse Width resolution</b>               | <b>:</b> | <b>Programmable, Starting from &lt; 10 nesc, &lt; 1 ns</b> |
| <b>6. Operating temperature</b>                     | <b>:</b> | <b>Upto 30 deg C</b>                                       |
| <b>7. Min. Temp with 20 deg C ambient</b>           | <b>:</b> | <b>&lt; -20 deg C</b>                                      |
| <b>8. Readout rate<br/>Mhz readout rate</b>         | <b>:</b> | <b>Software selectable, readout noise &lt; 10 e- at 1</b>  |
| <b>9. Triggering<br/>opening should be provided</b> | <b>:</b> | <b>TTL trigger in, Provision to monitor gate</b>           |

### **Other requirements:**

- 1. Supplier should provide QE curve for intensifier**
- 2. Since the ICCD will be used for fast imaging, quote for various mount options and lens system separately**
- 3. Provide whether camera is compatible with Andor Solis software, if not, quote for control software (Win 10) separately**
- 4. Quote for optional imaging lens system (wavelength: 250-800nm)**