

**Department of Optoelectronics,
University of Kerala,
Kariavattom, Thiruvananthapuram, Kerala, India – 695581,
Ph: 91 471 2308167**
Quotation Notice

DST/WISE-PDF/P-01/2025-26

Quotations are invited for the purchase of one Laser as per the following specification in the Department for the project entitled "Development and laser- assisted investigation of sustainable and low-cost florescent coded bio-packaging materials from Eichhornia crassipes weed".

| Specification of Laser |
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| Power: 0.1 – 1 W (variable power) |
| Wavelength: 488 ± 3 nm |
| Power Stability: $\pm 10\%$ |
| Cooling Method: Air-cooled |
| Input Voltage: 12/24 V |
| Power Control: PWM |
| Type: Free-space coupling |
| Beam Requirements: Beam diameter <2 mm, maintaining collimation over at least 10 meters; thus, the divergence angle should be as small as possible. (Preferred if it can be internally modulated) |
| On Site OEM Warranty : 1 Year |

Scope of the Work

Compliance statement for the specification should be attached with the quotation.

The rates quoted must be inclusive of all taxes, cost of supply at site including loading and unloading charges if any, installation charge and any other applicable charges etc.

Warranty/Guarantee- The warranty is for a period of 1 year. The supplier shall guarantee to repair/replace the items or its part -if found defective within the warranty period. The entire expenditure for repair/ replace of the item in this regard shall be borne by the supplier.

Those firms who wish to supply the item are requested to submit the quotation in sealed cover super scripted with reference- " DST/WISE-PDF/P-01/2025-26- *Quotations for the supply of Laser*" to the undersigned not later than 3:00 pm on 15.01.2026. Sealed quotations will be opened at 3:30 pm on the same day (15.01.2026) in the presence of the suppliers or their authorized agents. If the above due date happens to be declared a holiday, or if the process is delayed for any other valid reason, the due date and the tender opening shall be carried out on the next working day or on a day fixed by the undersigned.

01.01.2026



Dr. M. S. Swapna,
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DST/WISE-PDF/P-02/2025-26

Quotations are invited for the purchase of one UV chamber as per the following specification in the Department for the project entitled "Development and laser- assisted investigation of sustainable and low-cost florescent coded bio-packaging materials from Eichhornia crassipes weed".

Specification of UV chamber

Compact tabletop UV inspection cabinet with three ultraviolet lamps: 254 nm (UVC), 365 nm (UVA), and visible white [shortwave, longwave, and/or visible white]. 3-5 L capacity. Each lamp: approximately 8–15 W, 12-inch linear type, with individual on/off controls. Operates on 230 V AC, 50 Hz single-phase power supply. Inner chamber: stainless steel or other reflective surface for uniform UV distribution. Outer body: powder-coated or polymer-coated enclosure, corrosion-resistant. Viewing window: UV-protective glass or acrylic with magnetic door lock and safety interlock that switches off lamps when the door opens. Provided with a removable sample tray or platform for easy cleaning and handling. Top surface: stainless steel or PTFE-coated plate; includes PTFE-coated magnetic stir bars. Should include standard accessories, spare UV tubes, user manual. [Preference to those who provide UV chambers equipped with a built-in (or separate) variable-speed magnetic stirrer at the chamber base for simultaneous mixing and irradiation. Stirring capacity: up to 1–2 L, speed range: around 200–3000 rpm, with analog or digital speed control.]

On Site OEM Warranty : 1 Year

Scope of the Work

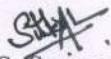
Compliance statement for the specification should be attached with the quotation.

The rates quoted must be inclusive of all taxes, cost of supply at site including loading and unloading charges if any, installation charge and any other applicable charges etc.

Warranty/Guarantee- The warranty is for a period of 1 year. The supplier shall guarantee to repair/replace the items or its part -if found defective within the warranty period. The entire expenditure for repair/ replace of the item in this regard shall be borne by the supplier.

Those firms who wish to supply the item are requested to submit the quotation in sealed cover super scripted with reference- " DST/WISE-PDF/P-02/2025-26 - *Quotations for the supply of UV chamber*" to the undersigned not later than 3:00 pm on 15.01.2026. Sealed quotations will be opened at 3:30 pm on the same day (15.01.2026) in the presence of the suppliers or their authorized agents. If the above due date happens to be declared a holiday, or if the process is delayed for any other valid reason, the due date and the tender opening shall be carried out on the next working day or on a day fixed by the undersigned.

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DST/WISE-PDF/P-03/2025-26

Quotations are invited for the purchase of one Tabletop ultrasonic bath sonicator as per the following specification in the Department for the project entitled "Development and laser-assisted investigation of sustainable and low-cost florescent coded bio-packaging materials from Eichhornia crassipes weed".

Specification of Tabletop ultrasonic bath sonicator

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| Capacity: 3–5 L (for typical bench use) |
| Frequency: ~ 40 kHz (standard for general cleaning) |
| Power (transducer): 50–200 W total |
| Digital timer: 1–99 min or continuous. |
| Heater: ambient → 60–80 °C with digital temperature control. |
| Tank material: SS304 stainless steel (mirror finish) with rounded corners. |
| Basket and lid included. |
| Degas function / sweep mode (if available) improves uniformity. |
| Power supply: 220–240 V, 50 Hz. |
| Dimensions/weight suitable for bench top; splash-proof controls. |
| On Site OEM Warranty : 1 Year |

Scope of the Work

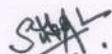
Compliance statement for the specification should be attached with the quotation.

The rates quoted must be inclusive of all taxes, cost of supply at site including loading and unloading charges if any, installation charge and any other applicable charges etc.

Warranty/Guarantee- The warranty is for a period of 1 year. The supplier shall guarantee to repair/replace the items or its part -if found defective within the warranty period. The entire expenditure for repair/ replace of the item in this regard shall be borne by the supplier.

Those firms who wish to supply the item are requested to submit the quotation in sealed cover super scripted with reference- " DST/WISE-PDF/P-03/2025-26- *Quotations for the supply of Tabletop ultrasonic bath sonicator*" to the undersigned not later than 3:00 pm on 15.01.2026. Sealed quotations will be opened at 3:30 pm on the same day (15.01.2026) in the presence of the suppliers or their authorized agents. If the above due date happens to be declared a holiday, or if the process is delayed for any other valid reason, the due date and the tender opening shall be carried out on the next working day or on a day fixed by the undersigned.

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