



Request for Quotation (RFQ) for the supply of 636nm – 639nm tuneable diode Laser System to the CSIR

RFQ No: 5579/07/02/2020

Date of issue	Thursday ,23 January 2020
Closing Date and Time	Friday, 07 February 2020@16h30 (Late submissions will not be considered)
Contact details	For submission of quotations or any other enquiries: tender@csir.co.za (Please use RFQ Number as subject reference)

1 INVITATION FOR QUOTATION

Quotations are hereby invited for the supply of 636nm 639nm tuneable diode laser system to the CSIR

2 QUOTATION REQUIREMENTS

Specifications
Tuneable laser 636nm -639 nm by modification on the laser head to change the temperature of the laser head to get the necessary tuneability
Operating mode CW
Output power (mW) > 500
Power stability (rms, over 4 hours) <3%
Polarization direction Horizontal/ Vertical
Beam diameter at the aperture (1/e ² ,mm) ~3.5×1.8 ~2.8×2.3
Beam divergence, full angle (mrad) <1.0
Warm-up time (minutes) <5
Beam height from base plate (mm)
Polarization ratio >100:1 Horizontal±5 degree (Vertical Optional)
Pointing stability after warm-up (mrad) <0.05
Warm-up time (minutes) <5
Beam height from base plate (mm) 68.5
Operating temperature (°C) 10~35
637nm central wavelength laser with tune ability of the wavelength of the laser from 636nm - 639 nm by changing the temperature of the diode to change the wavelength output

Thermal electrical cooler and heater on the head of the laser. Temperature tuneable with a range of 8 to 40 degrees Celsius with a controller controllable with 0.1 degree resolution
Power supply (85-264VAC) PSU-III-LED/ PSU-III-FDA
TTL / Analog modulation
TTL or Analog with 1Hz-1kHz 1kHz-10kHz, 10kHz-30kHz optional
Expected lifetime (hours) 10000
Warranty 1 year

Please take note of the following:

- Delivery, warranties, installation and training must be included
- The machine must come with a manual
- Add the brochure to the quotation (quotations without brochures will not be considered)
- Clearly indicate VAT charged where applicable (if not VAT registered please state so clearly)

3 EVALUATION CRITERIA

- 3.1 Selection of suppliers will be based on the 80/20 preference point system.
- 3.2 Please send a valid B-BBEE certificate with quotation. No B-BBEE status will equal zero points.
- 3.3 Indicate CSD number (National Treasury Central Supplier Database) on quotation. If not registered yet on CSD, use www.csd.gov.za to register.
- 3.4 No order will be issued or no contract will be signed without a valid CSD number.

4 PRICING QUOTATION

- 4.1 Price needs to be provided in South African Rand (excl. VAT), with details on price elements that are subject to escalation and exchange rate fluctuations clearly indicated.
- 4.2 Price should include additional cost elements such as freight, insurance until acceptance, duty where applicable, etc.
- 4.3 Payment will be according to the CSIR Payment Terms and Conditions.

5 OTHER TERMS AND CONDITIONS

- 5.1 The supplier shall under no circumstances offer, promise or make any gift, payment, loan, reward, inducement, benefit or other advantage, which may be construed as being made to solicit any favour, to any CSIR employee or its representatives. Such

an act shall constitute a material breach of the Agreement and the CSIR shall be entitled to terminate the Agreement forthwith, without prejudice to any of its rights.

5.2 A validity period of 90 days will apply to all quotations except where indicated differently on the quote.

6 No goods and/or services should be delivered to the CSIR without an official CSIR Purchase order. CSIR purchase order number must be quoted on the invoice. Invoices without CSIR purchase order numbers will be returned to supplier.

7 Note: This is not a Purchase Order.