



**Basic Details**

<b>Organisation Chain</b>	Council of Scientific and Industrial Research  CSIO Chandigarh  Purchase-CSIO-CSIR		
<b>Tender Reference Number</b>	CSIO/3(6)2023		
<b>Tender ID</b>	2023_CSIR_718838_1		
<b>Tender Type</b>	Global Tenders	<b>Form of contract</b>	EOI
<b>Tender Category</b>	Goods	<b>No. of Covers</b>	1
<b>Payment Mode</b>	Not Applicable	<b>Is Multi Currency Allowed For BOQ</b>	No
<b>Is Multi Currency Allowed For Fee</b>	No		

**Cover Details, No. Of Covers - 1**

Cover No	Cover	Document Type	Description
1	Fee/PreQual/Technical/Finance	.pdf	Expression of Interest for procurement of Laser System detailed specifications attached
		.xls	Expression of Interest for procurement of Laser System detailed specifications attached

**Tender Fee Details, [Total Fee in ₹ \* - 0.00]**

<b>Tender Fee in ₹</b>	0.00		
<b>Fee Payable To</b>	NA	<b>Fee Payable At</b>	NA
<b>Tender Fee Exemption Allowed</b>	NA		

**EMD Fee Details**

<b>EMD Amount in ₹</b>	0.00	<b>EMD Exemption Allowed</b>	NA
<b>EMD Fee Type</b>	NA	<b>EMD Percentage</b>	NA
<b>EMD Payable To</b>	NA	<b>EMD Payable At</b>	NA

**Work /Item(s)**

<b>Title</b>	CSIO/3(6)2023-Pur				
<b>Work Description</b>	Expression of Interest for procurement of Laser System detailed specifications attached				
<b>Pre Qualification Details</b>	Please refer Tender documents.				
<b>Tender Value in ₹</b>		<b>Product Category</b>	Laboratory and scientific equipment	<b>Sub category</b>	NA
<b>Contract Type</b>	Tender	<b>Bid Validity(Days)</b>	90	<b>Period Of Work(Days)</b>	45
<b>Location</b>	Purchase Section CSIR-CSIO Sector 30 Chandigarh	<b>Pincode</b>	160030	<b>Pre Bid Meeting Place</b>	Online Link given in specification
<b>Pre Bid Meeting Address</b>	Online link given in specifications, CSIR-CSIO Sector -30 Chandigarh	<b>Pre Bid Meeting Date</b>	01-Aug-2023 11:00 AM	<b>Bid Opening Place</b>	Purchase Section CSIR--CSIO Sector 30 Chandigarh

**Critical Dates**

<b>Publish Date</b>	12-Jul-2023 04:30 PM	<b>Bid Opening Date</b>	04-Aug-2023 03:30 PM
<b>Document Download / Sale Start Date</b>	12-Jul-2023 04:30 PM	<b>Document Download / Sale End Date</b>	03-Aug-2023 03:00 PM
<b>Clarification Start Date</b>	12-Jul-2023 04:30 PM	<b>Clarification End Date</b>	28-Jul-2023 03:00 PM
<b>Bid Submission Start Date</b>	12-Jul-2023 04:30 PM	<b>Bid Submission End Date</b>	03-Aug-2023 03:00 PM

**Tender Documents**

NIT Document	S.No	Document Name	Description	Document Size (in KB)

1	Tendernotice_1.pdf	Expression of Interest for procurement of Laser System detailed specifications attached	566.12
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**Work Item Documents**

S.No	Document Type	Document Name	Description	Document Size (in KB)
1	Tender Documents	SpecsLasersystem3620231.pdf	Expression of Interest for procurement of Laser System detailed specifications attached	566.12

**Tender Inviting Authority**

<b>Name</b>	Controller of Stores and Purcahse
<b>Address</b>	The Director CSIR-CSIO Sector 30 Chandigarhj

**Tender Creator Details**

<b>Created By</b>	Mohinder Kumar
<b>Designation</b>	COSP
<b>Created Date</b>	12-Jul-2023 04:08 PM

## Laser system

CSIR-CSIO, Chandigarh is looking for a stand-alone high power single longitudinal mode (SLM) laser system for holography applications in compliance with the following specifications:

S.No.	Parameters	Technical Specifications
1.	Wavelength (nm)	CW laser operable at a fixed wavelength in the range of 530 – 550 nm.
2.	Type of Laser	Optically pumped semiconductor laser/Diode pumped solid state laser
3.	Linewidth (FWHM)	The linewidth of emitted beam $\leq 5$ MHz
4.	Coherence length (m)	$\geq 15$ m
5.	Output power (W)	$\geq 1.5$ W
6.	Beam diameter (mm)	$\leq 2.5$ mm
7.	Beam divergence (mrad)	$\leq 2.5$ mrad
8.	Power stability (%)	$\leq 2\%$ (over 8 hours of operation)
9.	Polarization	Linear, vertical (100:1 or better)
10.	Cooling system	Aluminum heat sink, air cooled/water cooled via chiller or silent fan cooling.
11.	Laser head dimensions	300 × 200 × 100 mm or smaller
12.	Other requirements	a) The laser system should be controllable via personal computer (PC) or laptop using a GUI enable software to control the power and other characteristics. b) Two-year warranty or more after successful installation of the laser system. c) The offered system shall be a 'brand new' system, and in no case shall use any refurbished item in building the same. Vendor to provide a certificate for this.

**Note:**

- a) The specifications will be finalized after expression of interest.
- b) Note: All the manufacturers from India as well as from global market are invited.

**The meeting will be held as per schedule given below:-**

**Date: 01.08.2023**

**Time : 11.00 A.M. onwards**

**Venue: Through online mode**

**Link : <https://meet.google.com/vbd-ttok-htf>**