

TECHNICAL BID PROFORMA

Item Name: “MODE LOCKED Ti:SAPPHIRE LASER & PULSE PICKER”

Bidder Eligibility Criteria:

1.0	Bidder Eligibility Criteria-I (Public Procurement – Preference to Make in India)	Class I / Class II	Local Content value	Reference, Page No.
I	Only 'Class-I local suppliers' and 'Class-II local suppliers', as defined under DIPP, MoCI Order No. P-45021/2/2017-PP (BE II) dated 16 th September 2020 and other subsequent orders issued therein.			
2.0	Bidder Eligibility Criteria-II	Compliance (Yes/No)	Reference Page No.	Remarks, If any
1	The bidder/OEM should have supplied at least 2 similar items to IITS, NITS IISERS, CSIR Labs or other Govt. R&D organizations in the last 5 years. Purchase order copies or installation certificates with contact details of end user need to be submitted as the proof of supply. IIT Madras reserves its right to verify the claims submitted by the bidder and the feedback from the previous customers will be part of technical evaluation.			
2	The Bidder/OEM service center should be available in India. Proof of facility location & contact details to be provided along with technical bid..			

2.0 Technical Compliance:

S.No	TECHNICAL SPECIFICATION	COMPLIED/NOT COMPLIED	REFERENCE PG.NO
A.	The Femtosecond laser system should be a single-box Ti:Sapphire Laser with automated broadband wavelength tuning from 700 to 1000 nm (or better) and it should include integrated laser head, power supply, chiller, software, with following specifications		
1	Pulse duration in fs	110 fs or less	
2	Tuning range	700–1000 nm, or wider	
3	Laser power (average)	minimum 2 W	
4	Repetition rate	80 MHz ±1 MHz	
5	Laser Mode quality	TEM ₀₀	
6	Noise	<0.15%	
7	Beam Diameter	1.5 mm or less	
8	Beam Divergence	1.5 mrad or less	
9	Output power stability	± 2% or better	
10	M2	1.2 or less	

B.	The Item A (Mode Locked Ti:Sapphire laser) needs to be used at different repetition rates. Therefore, a Pulse Selector is required with following specifications		
	The Pulse selection after picking should be variable from Single Shot to 4 MHz or higher. It is to be noted that the original repetition rate of the laser should also be accessible even after the use of pulse picker		
OTHER TERMS AND CONDITIONS			
1	The equipment must be able to run at Room temperature (+/- 2 degree C)		
2	Warranty: 2 years		
3	Installation: at IIT Madras by the supplier		

(Note: It is mandatory for the bidders to provide the compliance statement in tabular column format along with catalogue page number (comply/not comply) for the above points with document proof as required. Failing which bidders will be technically disqualified)

**SIGNATURE OF BIDDER ALONG WITH
SEAL OF THE COMPANY WITH DATE**