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## **INVITATION FOR TENDER FOR SUPPLY OF EQUIPMENT**

Sealed tender offers are invited from eligible manufacturers or their direct Indian agents for the supply of the following equipment.

### **1- Pulsed diode laser with driver and accessories**

Please send offers, in two separate envelopes for technical and commercial along with descriptive catalog/brochure. The validity of the bid should be at least three months (90 days) or more from the date of the opening of this tender. Please ensure that your quotation reaches not later than **30.09.2019 at 15:00** hours at the following address:

**Prof. Pranab Kr. Dutta,  
Head, Department of Electrical Engineering  
Indian Institute of Technology Kharagpur  
Kharagpur 721 302, India**

Earnest money of **Rs. 10,000/-** is to be deposited in the form of Account payee Demand Draft in favour of IIT Kharagpur, payable at Kharagpur, India. Any bid which is not accompanied with an EMD shall be summarily rejected. Earnest money deposited will be forfeited if the tenderer withdraws or amends its tender or impairs or derogates from the tender in any respect within the period of validity of its tender. No interest will be paid on the earnest money of the unsuccessful bidders.

Tender reference	IIT/SRIC/EE/FPE/PKD/2019-20/EQ-6 Dated-04.09.2019
Price of the tender document	<b>Nil</b>
Last date and time for submitting the tender document	30.09.2019 at 15:00 hours
Time and date of opening of bids	30.09.2019 at 16:00 hours
Place of opening tender offers	<b>Department of Electrical Engineering Indian Institute of Technology Kharagpur Kharagpur 721 302, India</b>
Address of communication	<b>As stated above</b>
Contact telephone numbers	<b>+91-3222-282262</b>
Email	<a href="mailto:pkd@ee.iitkgp.ac.in">pkd@ee.iitkgp.ac.in</a>

Sl. No.	Description	Quantity
1.	<b>Pulsed diode laser with driver and accessories</b>	1 Nos.

**Item Specifications: -**

**1. Pulsed diode laser with driver and accessories**

*Pico-second pulsed laser diode and associated driver with following must have features*

- a) Pico-second pulsed laser diode with center wavelength:  $830 \pm 10$  nm (Qty 1)
  - i. Minimum pulse-width < 90 ps (FWHM)
  - ii. Operation both in pulsed and CW mode
  - iii. Max repetition rate – 80 MHz
  - iv. User-adjustable output power: Max average power 30 mW in pulsed and 100 mW in CW mode
  - v. Collimated beam
  - vi. Temperature stabilized
- b) Independent Picosecond pulsed diode laser driver compatible with above laser diode (Qty 1)
  - vii. Type - Crystal locked
  - viii. At least 10 internal repetition rate between 30 kHz to 80 MHz
  - ix. Operation both in pulsed and CW mode
  - x. Externally triggerable from single shot up to 80 MHz / sync output
  - xi. Base Frequency- High (e.g. 80 MHz), low (e.g.1 MHz) selectable
  - xii. Input channels – 1 trigger and 2 gating (TTL)
  - xiii. Output channels – 1 sync

**Equipment Delivery Time-**

The time frame for project completion is 45days from the date of release of PO.

## **GENERAL TERMS & CONDITIONS**

PLEASE SPECIFICALLY INDICATE THE FOLLOWING POINTS IN YOUR QUOTATIONS AND COMPLY THE TERMS AS MENTIONED HEREUNDER:-

1. TENDER ARE INVITED COMPLYING THE REQUIREMENT FOR TENDER AS DETAILED IN THE TENDER SPECIFICATION TO BE SUBMITTED IN THE COMPANY'S / FIRM'S LETTERHEAD NEATLY PRINTED / TYPED DULY SIGNED BY AUTHORIZED PERSON WITH THE SEAL OF THE BIDDERS. ALL ENVELOPS CONTAINING THE TENDER SHOULD BE PROPERLY SEALED. SEPARATE ENVELOPS SHOULD BE USED FOR TECHNICAL AND PRICE BID AND INDICATION TO THEIR EFFECT MAY PLEASE BE SUPERSCRIBED ON THE ENVELOP.
2. TECHNICAL CATALOGUE/LEAFLET SHOULD BE ENCLOSED WITHOUT FAIL. PROVIDE COMPLIANCE STATEMENT WITH RESPECT TO THE TECHNICAL SPECIFICATIONS MENTIONED ABOVE.
3. PLEASE CONFIRM WHETHER YOU ARE AUTHORISED TO QUOTE ON BEHALF OF YOUR PRINCIPALS AND IF SO, PLEASE ENCLOSE A COPY OF SUCH AUTHORISATION WITH YOUR QUOTATION.
4. **PERIOD OF VALIDITY:** BIDS SHALL REMAIN VALID FOR ACCEPTANCE FOR A PERIOD OF 120 DAYS FROM THE DATE OF OPENING.
5. **SCOPE OF SUPPLY:** SHOULD INCLUDE INSTALLATION AND COMMISSIONING
6. PAYMENT TERMS:
  - a) RUNNING BILLS PROPORTIONATE TO THE PROGRESS OF WORK WILL BE PAID CULMINATING TO A MAXIMUM OF 75% OF THE JOB VALUE.
  - b) 90% OF THE PAYMENT WILL BE MADE FOR ALL ITEMS AFTER COMPLETION OF THE WORK.
  - c) 10% OF THE WORK ORDER VALUE WILL BE RELEASED AFTER 6 MONTHS FROM THE DATE OF COMPLETION OF THE WORK.
  - d) THE BANK GUARANTEE (5% OF THE WORK ORDER VALUE) AS PER FORMAT ENCLOSED WOULD SERVE AS A PERFORMANCE GUARANTEE UPTO 5 YEARS AFTER COMPLETION OF THE WORK.
  - e) YEARLY MAINTENANCE AND OPERATION CHARGES TO BE CLAIMED EVERY YEAR AFTER COMPLETION OF YEARLY MAINTENANCE.
  - f) NO MOBILIZATION ADVANCE.
7. ARRANGEMENT FOR SAFETY PROVISIONS:

IN RESPECT OF ALL LABOUR DIRECTLY OR INDIRECTLY EMPLOYED IN THE WORK FOR THE PERFORMANCE OF THE CONTRACTOR'S PART OF THIS CONTRACT, THE CONTRACTOR SHALL AT HIS OWN EXPENSE ARRANGE FOR THE SAFETY PROVISIONS AS PER SAFETY CODE FRAMED FROM TIME TO TIME AND SHALL AT HIS OWN EXPENSE PROVIDE FOR ALL FACILITIES IN CONNECTION THEREWITH. IN CASE THE CONTRACTOR FAILS TO MAKE

ARRANGEMENT AND PROVIDE NECESSARY FACILITIES AS AFORESAID, HE SHALL BE LIABLE TO PAY A PENALTY OF RS.500/- FOR EACH DEFAULT AND IN ADDITION THE EMPLOYER SHALL BE AT LIBERTY TO MAKE ARRANGEMENT AND PROVIDE FACILITIES AS AFORESAID AND RECOVER THE COST INCURRED IN THE BEHALF FROM THE CONTRACTOR.

8. SUBMISSION OF LABOUR RETURN:

THE CONTRACTOR SHALL SUBMIT A STATEMENT TO THE CONCERNED ENGINEER AS FOLLOWS:

1. THE NUMBER OF LABOURERS EMPLOYED BY HIM ON THE WORK
2. THEIR WORKING HOURS
3. THE WAGES PAID TO THEM

9. RULES, FRAMED BY GOVT. TO BE COMPLIED:

IN RESPECT OF ALL LABOUR DIRECTLY OR INDIRECTLY EMPLOYED IN THE WORKS FOR PERFORMANCE OF THE CONTRACTORS PART OF THIS CONTRACT, THE CONTRACTOR SHALL COMPLY WITH OR CAUSE TO BE COMPLIED WITH ALL THE RULES FRAMED BY GOVERNMENT FROM TIME TO TIME FOR THE PROTECTION OF HEALTH AND SANITARY ARRANGEMENTS FOR WORKERS EMPLOYED BY THE CONTRACTORS.

10. TIME AND EXTENSION FOR DELAY:

THE EXECUTION OF THE WORK SHALL COMMENCE FROM THE DATE OF HANDING OVER THE SITE. IN CASE, DELAY IN EXECUTION MUST BE COMMUNICATED TO THE ENGINEER (AUTHORITY) WELL IN ADVANCE WITH PROPER REASONS LIKE: ABNORMALLY BAD WEATHER, SERIOUS LOSS OR DAMAGE BY FIRE, CIVIL COMMOTION, LOCAL COMMOTION OF WORKMEN, STRIKE AFFECTING ANY OF THE TRADES EMPLOYED ON THE WORK.

11. L.D.CLAUSE: @ 0.5% OF THE CONTRACT VALUE PER WEEK OF DELAY SUBJECT TO MAXIMUM OF 10% OF CONTRACT VALUE.

12. COUNTRY OF ORIGIN OF THE GOODS IS TO BE MENTIONED.

13. THE INSTITUTE SHALL PROVIDE THE CONCESSIONAL CUSTOMS DUTY AND EXCISE DUTY EXEMPTION CERTIFICATE AS PER GOVT. NOTIFICATION NO. 51/96 CUSTOMS DATED: 23.07.1996 AND CENTRAL EXCISE DUTY EXCEMPTION IN TERMS OF GOVT. NOTOFICATION NO. 10/97 – CENTRAL EXCISE DATED: 01.03.1997 AS AMENDED FROM TIME TO TIME.

14. **LIQUIDATED DAMAGES:** THE STORES SHOULD BE DELIVERED / DISPATCHED TO DESTINATION AND READY FOR OPERATION NOT LATER THAN THE DELIVERY DATE SPECIFIED. IF THE SUPPLIER FAILS TO DELIVER ANY OR ALL THE STORES OR PERFORM THE SERVICE BY THE SPECIFIED DATE, LIQUIDATED DAMAGES AT 1% PER MONTH OR PART THEREOF IN RESPECT OF THE VALUE OF STORES WILL BE DEDUCTED FROM THE CONTRACT PRICE SUBJECT TO A MAXIMUM OF 5%. ALTERNATIVELY, THE ORDER WILL BE

CANCELLED AND THE UNDELIVERED STORES PURCHASED FROM ELSEWHERE AT THE RISK AND EXPENSE OF SUPPLIER.

15. **PATENT RIGHTS:** THE SUPPLIER SHALL INDEMNIFY THE PURCHASE AGAINST ALL THIRD PARTY CLAIMS OF INFRINGEMENT OF PATENT, TRADEMARK OR INDUSTRIAL DESIGN RIGHTS ARISING FROM USE OF THE GOODS OR ANY PART THEREOF IN INDIA.

16. ONLY THOSE BIDDERS WHO'S BIDS HAVE BEEN TECHNICALLY FOUND ACCEPTABLE WILL ONLY BE INVITED FOR PARTICIPATION IN THE PRICE BID.

17. THOSE BIDDERS WHO DO NOT RECEIVE ANY COMMUNICATION FOR PARTICIPATION IN PRICE BID OPENING MEETING MAY PRESUME THAT THEIR BID HAS NOT BEEN ACCEPTED BY THE INSTITUTE.

18. CONDITIONAL OFFER WILL NOT BE ACCEPTED.

19. LATE TENDERS I.E. TENDER RECEIVED AFTER THE DUE DATE AND TIME OF SUBMISSION AS MENTIONED ABOVE SHALL NOT BE ACCEPTED.

20. BIDDERS TO ENCLOSE THE FOLLOWING DOCUMENTS:-

A) CURRENT INCOME TAX AND SALES TAX CLEARANCE CERTIFICATES AND PAN NO.

A) BANKER'S SOLVENCY CERTIFICATE

C) SUMMARY OF AUDITED STATEMENT OF ACCOUNTS FOR THE LAST THREE YEARS TO BE ENCLOSED AND FINANCIAL HIGHLIGHTS AND THE KEY PERFORMANCE DURING THE LAST THREE QUARTERS TO BE ENCLOSED AS PER FORMAT:-

COMPANY'S KEY PERFORMANCE

DESCRIPTION	JAN. TO MARCH	APRIL TO JUNE	JULY TO SEPT.
GROSS REVENUE			
PROFIT BEFORE TAX			
PROFIT AFTER TAX			
RETURN ON INVESTED			
CAPITAL (ROIC)			

D) CUSTOMER SATISFACTION CERTIFICATE FROM ONE SUCH ORGANIZATION IS TO BE ATTACHED WITH THE TECHNICAL BID AND PRICE BID.

E) NAME AND ADDRESS OF MINIMUM THREE CLIENTS TO WHOM SUCH EQUIPMENT HAVE BEEN SUPPLIED SHOULD BE MENTIONED.

21. **WARRANTY / GUARANTEE:** THIS COMPREHENSIVE WARRANTY / GUARANTEE SHALL REMAIN VALID FOR **12 MONTHS** AFTER THE GOODS (OR ANY PORTION THEREOF AS THE CASE MAY BE) HAVE BEEN DELIVERED AND COMMISSIONED TO THE FINAL DESTINATION.

22. THE INSTITUTE DOES NOT BIND ITSELF TO OFFER ANY EXPLANATION TO THOSE BIDDERS WHO'S TECHNICAL BID HAS NOT BEEN FOUND ACCEPTABLE BY THE EVALUATION COMMITTEE OF THE INSTITUTE.

ALL TENDERS (UNLESS OTHERWISE SPECIFIED) ARE TO BE SUBMITTED / HANDED OVER TO **PROF. PRANAB KR. DUTTA, DEPARTMENT OF ELECTRICAL ENGINEERING, INDIAN INSTITUTE OF TECHNOLOGY, KHARAGPUR - 721 302** AND ACKNOWLEDGEMENT TO BE OBTAINED.

### **IMPORTANT**

1. IIT Kharagpur authority may accept or reject any or all the bids in part or in full without assigning any reason and does not bind itself to accept the lowest bid. The Institute at its discretion may change the quantity / upgrade the criteria / drop any item or part thereof at any time before placing the Purchase Order.
2. Promptly make arrangements for repair and / or replacement of any damaged item (s) irrespective of settlement of claim.
3. In case of any dispute, the decision of the Institute authority shall be final and binding on the bidders.
4. For any query pertaining to this bid document correspondence may be addressed to **Prof. Pranab Kr. Dutta** at the address mentioned above.

### **LAST DATE FOR SUBMISSION OF SEALED BIDS: 30.9.2019**

- 1) Please Note that the Institute remains closed during Saturdays & Sundays and all specified government holidays.
- 2) Fax, e-mail Tender will not be accepted.
- 3) The General Terms and Conditions as stated above relate to supply of stores / equipment /assets etc. and for specific service other terms and conditions of the Institute will apply.

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