

INVITATION FOR TENDER FOR SUPPLY OF EQUIPMENT/STORE

Project Code: PLA

Sealed tender offers are invited (TWO BID SYSTEM) in two separate sealed covers ((i) Technical and (ii) Commercial offers) from eligible manufacturers/suppliers or their direct Indian agents for the supply of the following store.

Additively Manufactured (using DMLS/SLM) Ti-64 and In-718 specimens

Please send offers, along with the model and make of the DMLS/SLM machine to be used. The validity of the bid should be at least 180 days or more from the date of the opening of this tender. Please ensure that your quotation reaches not later than **15.09.2017 by 15:00 hrs (Indian time)** at the following address:

**Professor Soumitra Paul
Department of Mechanical Engineering
Indian Institute of Technology Kharagpur
Kharagpur, West Bengal 721 302**

Tender Reference	IIT/SRIC/ME/PLA/SP/2017-18/CONS-1 dated 23/8/2017
Price of Tender Document	NIL
Last Date and Time for submitting the tender	15.09.2017 by 15:00 hrs (Indian time)
Place of Opening tender offers	Department of Mechanical Engineering, Indian Institute of Technology Kharagpur Kharagpur, West Bengal - 721 302, India
Address of Communication	As stated above
Contact Telephone Numbers	+91- 3222 - 282954
E-mail:	spaul@mech.iitkgp.ernet.in

DETAILED TECHNICAL SPECIFICATIONS FOR

DMLS/SLM Ti-64 and In-718 specimens

Please submit compliance certificate in the following format.

1. DMLS/SLM Ti-64 specimens

- (a) size: 8 ± 0.1 mm x 8 ± 0.1 mm x 35 ± 1 mm specimens (in finish machined condition)- 60 pieces

Parameter	IIT's nominal specification	Your specification
Manufacturing method	for Ti-64: with heat treatment of 800 °C for 4 hours in argon inert atmosphere	
Final sample	DMLS/SLM specimens are to be machined/ground to the final size as mentioned above.	
Expected roughness(Ra)	0.8 micron	
Layer thickness	20 – 30 micron	

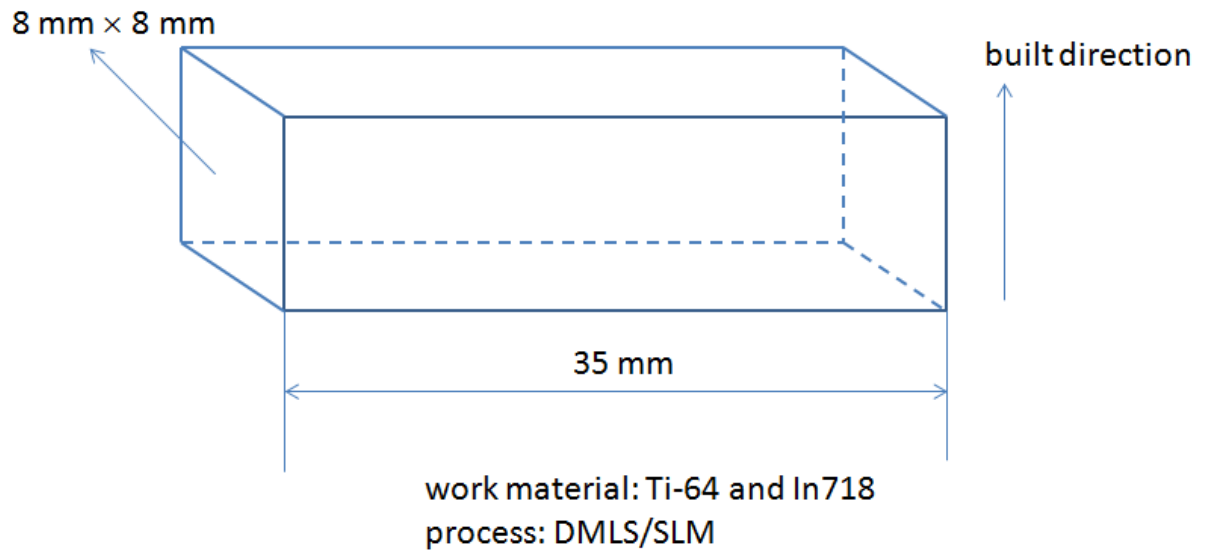
2. DMLS/SLM In-718 specimens

- (b) size: 8 ± 0.1 mm x 8 ± 0.1 mm x 35 ± 1 mm specimens (in finish machining condition)- 60 pieces

Parameter	IIT's nominal specification	Your specification
Manufacturing method	In-718: Heat treated solution annealing at 980 °C for 1 hour, followed by argon cooling. Ageing treatment: hold at 720 for 8 hours, furnace cool to 620 °C in 2 hours, hold at 620 °C for 8 hours, followed by argon cooling.	
Final sample	In-718 specimens are to be machined/ground to the final size as mentioned above.	
Expected roughness(Ra)	0.8 micron	
Layer thickness	20 – 30 micron	

Tolerance on 35 mm is ± 1 mm

Tolerance on 8 mm is ± 0.1 mm



General Terms & Conditions

Please specifically indicate the following points in your quotations and comply the terms as mentioned hereunder

1. Tenders, complying with the technical requirements and general terms and conditions, are to be submitted in the company's / firm's letterhead and they are to be neatly printed / typed and duly signed by authorised person with the seal of the bidders. All envelopes containing the tender should be properly sealed.

The following documents are required from the Indian agents of foreign firms:

- 1.1 Foreign principal's proforma-invoice indicating the commission payable to the Indian agent and nature of after sales service to be rendered by the Indian agent.**
- 1.2 The copy of the agency agreement with the foreign principal indicating the nature of after sales services, precise relationship between them and their mutual interest in the business.**
- 1.3 Please enclose the document(s) related to the enlistment of the Indian agent with director general of supplies & disposals (DGS&R) under the compulsory registration scheme of ministry of finance.**
2. Technical catalogue/leaflet should be enclosed without fail. Provide compliance statement with respect to the technical specifications mentioned above. **Nominal specifications should be traceable to the brochure or catalogue. Compliance table should provide page and paragraph number of the catalogue/brochure failing which the submitted tender would be rejected.**
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. **Price bids for foreign firms:** prices are to be quoted on 'ex-works' duly packed or on "FCA/FOB" international port" basis and also including agency commission payable to your Indian agents, if any showing clearly the following break up
 - i. Ex-works Price
 - ii. Packing and Forwarding
 - iii. Freight
 - iv. Any other relevant expenses
 - v. Taxes payable by the institute

Insurance will be paid by our institute separately and should not form part of the quoted price.

Price bids for Indian firms: Prices are to be quoted on FOR IIT Kharagpur, on door delivery basis clearly showing the break up.

5. **Period of validity:** Bids shall remain valid for acceptance for a period of 180 days from the date of opening.
6. Indian agents address and percentage of agency commission included in above f.o.b./ex-works price. (This will be paid to the Indian agents in Indian rupees only and not in **foreign currency**). Please enclose a copy of agency agreement entered into with your Principals indicating the nature of after sales services of Indian agents, precise relationship & mutual interest in the business.
7. **Measurements/weight:** Nett/gross of the consignment. In case of an order, you shall use air worthy package (as applicable) duly certified with documents (like phyto-sanitary certificate (as per quarantine order 2003) if required).
8. **Scope of supply:** *As mentioned under technical specifications (free delivery at Department of Mechanical Engineering, IIT Kharagpur)*

9. **Payment terms** for foreign firms

- A. 100% payment through sight draft/ foreign demand draft/ LC (Exceptional cases) /swift tele-transfer after receipt of store in good order and condition.
- B. bank charges on LC/SD (within India applicant account and outside India to beneficiary account).
- C. Ensure mentioning
 - i. Bank details of the beneficiary
 - ii. Full name and address of the beneficiary on whom order has to be placed

Payment terms for Indian firms

- A. 100% payment through crossed account payee cheque / electronic transfer after successful installation and commissioning or receipt of store in good order and condition and certification of bills
- B. Ensure mentioning
 - i. bank details of the beneficiary and PAN number
 - ii. Full name and address of the beneficiary on whom order has to be placed
 - iii. GST registration number
 - iv. relevant HSN or SAC code

10. Whether any export licence is required from your government, if so, please confirm with details.
11. Country of origin of the goods is to be mentioned.
12. **Warranty:** Mention Shelf Life if any
13. **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.
14. **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.
15. Conditional offer will not be accepted.
16. Late tenders i.e. tender received after the due date and time of submission as mentioned above shall not be accepted.
17. Bidders to enclose the following documents:-
 - a. Current income tax and sales tax clearance certificates and PAN no. (Indian Bidder)
 - b. Customer satisfaction certificate from one such organisation is to be attached
 - c. Name and address of minimum three clients to whom such equipments have been supplied should be mentioned.

Company's Key Performance

Description	Jan. to March	April to June	July to Sept.	Oct. to Dec.
Gross Revenue				
Profit Before Tax				
Profit After Tax				
Return On Invested				
CAPITAL (ROIC)				

18. The institute does not bind itself to offer any explanation to those bidders whose bid has not been found acceptable by the evaluation committee of the institute.

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 **Professor Soumitra Paul at the address mentioned above.**

Last date for submission of sealed bids: 15.09.2017 by 15:00 hrs (Indian time)

- i. Please note that the institute remains closed during Saturdays & Sundays and all specified government holidays.
- ii. Fax, e-mail tender will not be accepted.
- iii. 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.