Notice Inviting Quotation (E-Procurement mode)

INDIAN INSTITUTE OF TECHNOLOGY DELHI HAUZ KHAS, NEW DELHI-110016

Dated: 27/02/2019

Open Tender Notice No. IITD/BMCH(SP-2225)/2019

Indian Institute of Technology Delhi is in the process of purchasing following item(s) as per details as given as under.

	Supply and Integration of Magneto-Rheological Finishing Machine Structure, Electromagnets with Power Supply, Controls and Instrumentation Electronics and Control and Programming Software	
Earnest Money Deposit to be submitted	NIL	
Warranty	1 Year	
Performance security	NIL	

Tender Documents may be downloaded from Central Public Procurement Portal http://eprocure.gov.in/eprocure/app
Aspiring Bidders who have not enrolled / registered in e-procurement should enroll / register before participating through the website http://eprocure.gov.in/eprocure/app. The portal enrolment is free of cost. Bidders are advised to go through instructions provided at 'Instructions for online Bid Submission '.

Tenderers can access tender documents on the website (For searching in the NIC site, kindly go to Tender Search option and type 'IIT'. Thereafter, Click on "GO" button to view all IIT Delhi tenders). Select the appropriate tender and fill them with all relevant information and submit the completed tender document online on the website http://eprocure.gov.in/eprocure/app as per the schedule given in the next page.

No manual bids will be accepted. All quotation (both Technical and Financial should be submitted in the E-procurement portal).

Schedule

Name of Organization	Indian Institute of Technology Delhi
Tender Type (Open/Limited/EOI/Auction/Single)	Open
Tender Category (Services/Goods/works)	Goods
Type/Form of Contract (Work/Supply/ Auction/ Service/ Buy/ Empanelment/ Sell)	Buy
Product Category (Civil Works/Electrical Works/Fleet Management/ Computer Systems)	Electrical Works
Source of Fund (Institute/Project)	Project Code: RP03387
Is Multi Currency Allowed	INR (Only)
Date of Issue/Publishing	27/02/2019 (15:00 Hrs)
Document Download/Sale Start Date	27/02/2019 (15:00 Hrs)
Document Download/Sale End Date	19/03/2019 (15:00 Hrs)
Date for Pre-Bid Conference	
Venue of Pre-Bid Conference	
Last Date and Time for Uploading of Bids	19/03/2018 (15:00 Hrs)
Date and Time of Opening of Technical Bids	20/03/2019 (15:00 Hrs)
Tender Fee	RsNil/- (For Tender Fee)
EMD	RsNil/- (For EMD) (To be paid through RTGS/NEFT. IIT Delhi Bank details are as under: Name of the Bank A/C : IITD Revenue Account SBI A/C No. : 10773572622 Name of the Bank : State Bank of India, IIT Delhi,
No. of Covers (1/2/3/4)	02
Bid Validity days (180/120/90/60/30)	90 days (From last date of opening of tender)
Address for Communication	Dr Sunil Jha Room (156 Block III Dept of Mechanical Engg.), IIT Delhi
Contact No.	011-26591125
Email Address	suniljha@mech.iitd.ac.in

Chairman Purchase Committee: Prof. Naresh Bhatnagar Prof. Varun Rammohan, Prof. Sudarsan Ghosh, Prof. Sunil Jha

Instructions for Online Bid Submission:

As per the directives of Department of Expenditure, this tender document has been published on the Central Public Procurement Portal (URL:http://eprocure.gov.in/eprocure/app). The bidders are required to submit soft copies of their bids electronically on the CPP Portal, using valid Digital Signature Certificates. The instructions given below are meant to assist the bidders in registering on the CPP Portal, prepare their bids in accordance with the requirements and submitting their bids online on the CPP Portal.

More information useful for submitting online bids on the CPP Portal may be obtained at:

http://eprocure.gov.in/eprocure/app

REGISTRATION

- 1) Bidders are required to enroll on the e-Procurement module of the Central Public Procurement Portal (URL: http://eprocure.gov.in/eprocure/app) by clicking on the link "Click here to Enroll". Enrolment on the CPP Portal is free of charge.
- 2) As part of the enrolment process, the bidders will be required to choose a unique username and assign a password for their accounts.
- 3) Bidders are advised to register their valid email address and mobile numbers as part of the registration process. These would be used for any communication from the CPP Portal.
- 4) Upon enrolment, the bidders will be required to register their valid Digital Signature Certificate (Class II or Class III Certificates with signing key usage) issued by any Certifying Authority recognized by CCA India (e.g. Sify / TCS / nCode / eMudhra etc.), with their profile.
- 5) Only one valid DSC should be registered by a bidder. Please note that the bidders are responsible to ensure that they do not lend their DSCs to others which may lead to misuse.
- 6) Bidder then logs in to the site through the secured log-in by entering their user ID / password and the password of the DSC / eToken.

SEARCHING FOR TENDER DOCUMENTS

- 1) There are various search options built in the CPP Portal, to facilitate bidders to search active tenders by several parameters. These parameters could include Tender ID, organization name, location, date, value, etc. There is also an option of advanced search for tenders, wherein the bidders may combine several search parameters such as organization name, form of contract, location, date, other keywords etc. to search for a tender published on the CPP Portal.
- 2) Once the bidders have selected the tenders they are interested in, they may download the required documents / tender schedules. These tenders can be moved to the respective 'My Tenders' folder. This would enable the CPP Portal to intimate the bidders through SMS / e-mail in case there is any corrigendum issued to the tender document.
- 3) The bidder should make a note of the unique Tender ID assigned to each tender, in case they want to obtain any clarification / help from the Helpdesk.

PREPARATION OF BIDS

- 1) Bidder should consider any corrigendum published on the tender document before submitting their bids.
- 2) Please go through the tender advertisement and the tender document carefully to understand the documents required to be submitted as part of the bid. Please note the number of covers in which the

bid documents have to be submitted, the number of documents - including the names and content of each of the document that need to be submitted. Any deviations from these may lead to rejection of the bid.

- 3) Bidder, in advance, should get ready the bid documents to be submitted as indicated in the tender document / schedule and generally, they can be in PDF / XLS / RAR / DWF formats. Bid documents may be scanned with 100 dpi with black and white option.
- 4) To avoid the time and effort required in uploading the same set of standard documents which are required to be submitted as a part of every bid, a provision of uploading such standard documents (e.g. PAN card copy, annual reports, auditor certificates etc.) has been provided to the bidders. Bidders can use "My Space" area available to them to upload such documents. These documents may be directly submitted from the "My Space" area while submitting a bid and need not be uploaded again and again. This will lead to a reduction in the time required for bid submission process.

SUBMISSION OF BIDS

- 1) Bidder should log into the site well in advance for bid submission so that he/she upload the bid in time i.e. on or before the bid submission time. Bidder will be responsible for any delay due to other issues.
- 2) The bidder must digitally sign and upload the required bid documents one by one as indicated in the tender document.
- 3) Bidder must select the payment option as "on-line" to pay the tender fee / EMD as applicable and enter details of the instrument. Whenever, EMD / Tender fees are sought, bidders need to pay the tender fee and EMD separately on-line through RTGS (Refer to Schedule, Page No.2).
- 4) A standard BoQ format has been provided with the tender document to be filled by all the bidders. Bidders are requested to note that they should necessarily submit their financial bids in the format provided and no other format is acceptable. Bidders are required to download the BoQ file, open it and complete the white colored (unprotected) cells with their respective financial quotes and other details (such as name of the bidder). No other cells should be changed. Once the details have been completed, the bidder should save it and submit it online, without changing the filename. If the BoQ file is found to be modified by the bidder, the bid will be rejected.

OR

In some cases, Financial Bids can be submitted in PDF format as well (in lieu of BOO).

- 5) The server time (which is displayed on the bidders' dashboard) will be considered as the standard time for referencing the deadlines for submission of the bids by the bidders, opening of bids etc. The bidders should follow this time during bid submission.
- 6) All the documents being submitted by the bidders would be encrypted using PKI encryption techniques to ensure the secrecy of the data. The data entered cannot be viewed by unauthorized persons until the time of bid opening. The confidentiality of the bids is maintained using the secured Socket Layer 128-bit encryption technology. Data storage encryption of sensitive fields is done.
- 7) The uploaded tender documents become readable only after the tender opening by the authorized bid openers.
- 8) Upon the successful and timely submission of bids, the portal will give a successful bid submission message & a bid summary will be displayed with the bid no. and the date & time of submission of the bid with all other relevant details.
- 9) Kindly add scanned PDF of all relevant documents in a single PDF file of compliance sheet.

ASSISTANCE TO BIDDERS

- 1) Any queries relating to the tender document and the terms and conditions contained therein should be addressed to the Tender Inviting Authority for a tender or the relevant contact person indicated in the tender.
- 2) Any queries relating to the process of online bid submission or queries relating to CPP Portal in general may be directed to the 24x7 CPP Portal Helpdesk. The contact number for the helpdesk is 1800 233 7315.

General Instructions to the Bidders

- 1) The tenders will be received online through portal http://eprocure.gov.in/eprocure/app. In the Technical Bids, the bidders are required to upload all the documents in .pdf format.
- 2) Possession of a Valid Class II/III Digital Signature Certificate (DSC) in the form of smart card/e-token in the company's name is a prerequisite for registration and participating in the bid submission activities through https://eprocure.gov.in/eprocure/app. Digital Signature Certificates can be obtained from the authorized certifying agencies, details of which are available in the web site https://eprocure.gov.in/eprocure/app under the link "Information about DSC".
- 3) Tenderer are advised to follow the instructions provided in the 'Instructions to the Tenderer for the esubmission of the bids online through the Central Public Procurement Portal for e Procurement at https://eprocure.gov.in/eprocure/app.

Department of Mechanical Engineering Indian Institute of Technology Hauz Khas, New Delhi-110 016

NOTICE INVITING QUOTATIONS

Dated: 27/02/2019

Subject: Supply and Integration of Magneto-Rheological Finishing Machine Structure, Electromagnets with Power Supply, Controls and Instrumentation Electronics and Control and Programming Software

Invitation for Tender Offers

Indian Institute of Technology Delhi invites online Bids (Technical bid and Commercial bid) from eligible and experienced OEM (Original Equipment Manufacturer) OR OEM Authorized Dealer OR machine manufacturing firm for supply and integration of Magneto-Rheological Finishing Machine Structure, Electromagnets with Power Supply, Controls and Instrumentation Electronics and Control and Programming Software with (warranty period as stated at page #1 of this tender) on site comprehensive warranty from the date of receipt of the material as per terms & conditions specified in the tender document, which is available on CPP Portal http://eprocure.gov.in/eprocure/app

TECHNICAL SPECIFICATIONS:

S.No.	Descripti	on with Technical Specifications	Quantity
		-Rheological Finishing Machine Structure	1 No.
	1.1	CNC Machine Frame	
	a.	A machine bed to be fabricated and precision machined; preferably 0.8 m (l) x 0.8 m (w) x 1.6 m (h) dimension; with better damping characteristics.	
	b.	Transparent window for viewing the procedure in the machine enclosure.	
	d.	Manually operated front door (with safety switch) with closed top.	
	e.	Separate unit for control cabinet underneath the work space area with minimum 12" HMI.	
	f.	Tower light on Machine Frame.	
	g.	LED light inside Control Cabinet.	
	h.	Wiring as per industry standards.	
		Keys: Key toggle for mains powers System Power Drive Power Emergency Switch	
	1.2	Linear Positioners for X and Y axes	2 Nos.
	a.	Complete linear screw positioner with extruded aluminum housing, square rail Bearings, Precision ground Ball screw, travel stops & homing sensor.	
	b.	Duty cycle: 100%.	
	c.	Motor mounting configurations (in-line, parallel).	
	d.	IP30 Protection level with stainless strip seal.	
	e.	Acceleration 20 m/sec ² .	
	f.	Ball screw efficiency 90%.	
	g.	Load carrying capacity - 150 kgs min.	
	h.	Screw Rotation Speed – 0 to 3500 rpm	

	i.	Table travel: 150 mm.	
	j.	Bidirectional Repeatability < 1.5 μm	
	k.	Positional Accuracy: 10 µm (max)	
	1.	Home Sensor (1 No.), Travel limit Sensor (2 Nos)	
	m.	Motor Coupling: 0.375" Bellows.	
	n.	Motor Mount: BE 23-In-line-mounting.	
	0.	Linear Encoder: 0.5 micron	
	- 0.	Zinem Zineseri die inieron	
	1.3	Linear Positioner for Z axes	1 No.
	a.	Complete Linear screw Positioner with extruded aluminum housing, square rail Bearings, Precision ground Ball screw, travel stops & homing sensor.	
	b.	Duty cycle: 100%.	
	c.	Motor mounting configurations (in-line, parallel).	
	d.	IP30 Protection level with stainless strip seal.	
	e.	Acceleration 20 m/sec ² .	
	f.	Ball screw efficiency 90%.	
	g.	Load carrying capacity - 150 kgs min.	
	h.	Screw Rotation Speed – 0 to 3500 rpm	
	i.	Table travel: 300 mm	
	j.	Precision Grade: Repeatability < 1.5 μm	
	k.	Home Sensor (1 No.), Travel limit Sensor (2 Nos)	
	1.	Motor Coupling: 0.375" Bellows.	
	m.	Motor Mount: BE 23-In-line-mounting.	
	n.	Linear Encoder: 0.5 micron.	
	1.4	Rotary positioning and indexing table	1 No.
	a.	Table diameter – 6 in, 150 mm.	1110.
	b.	Gear Ratio – 180:1.	
	c.	Magnetic home switches.	
	d.	Motor coupling – 0.375 in bore, bellows (required for precision grade).	
	e.	Standard table top.	
	f.	Repeatable indexing (12 arc-sec)	
		Load capacity 200 lbs, (60Kgf)	
	g. h.	360 degrees continuous travel.	
	i.		
	j.	Worm gear drive. Dual race angular contact support bearing.	
		Input Velocity (Max.) 15 revs. /sec.	
	k.	Positional repeatability (unidirectional) 0.2 arc-min.	
	1.	rosmonai repeataonny (unidirectionai) 0.2 arc-min.	
2	Elas4	o om eta ruith Derroy Cromalir	1 No
2.		agnets with Power Supply	1 No.
	1	tions (Electromagnet):	
	a.	Magnetic Field - 1 Tesla in a gap of 1mm	
		tions (Power Supply):	
	a.	Rated Output Voltage: 100 V	
	b.	Rated Output Current: 7.5 A	
	c.	Rated Output Power: 750 Watts	

3.	Controls	and Instrumentation Electronics	
	3.1	Industrial Panel PC	1 No.
		Industrial panel PC with aluminium housing and Windows OS. All ports should be	
		accessible from back.	
		Specification (minimum):	
		a. 12-inch display or above with 1366x768 resolution and touch screen	
		b. Intel 6 th /7th Generation Celeron 2.3GHz or better	
		c. 4 GB RAM or more	
		d. 320GB HDD or above	
		e. Ports: 2xReal-Time Ethernet Based port compatible with EtherCAT and 2 USB	
		ports	
		f. Operating Temperature: 0 to +50 Deg. Celsius	
		g. Protection class front side IP 65, rear side IP 20	
		h. With Keyboard	
		Following accessories are also required with IPC:	
		a. All the necessary cables for power	
		b. Clamping and mounting accessories	
		c. Battery pack	
	3.2	Input/Output terminal(s) with EtherCAT coupler	1 No.
		16 DIs (Digital Inputs)	
		16 DOs (Digital Outputs)	
		4 AIs (Analog Inputs)	
		4 AOs (Analog Outputs)	
		5 or more Servo Axis (For closed loop feedback motion)	
		Communication interfaces as per requirement Output Description:	
		 Capability to handle PLC and servo axis functions with: Above interfaces/hardware for DI, DO, AI, AO and motion also to be 	
		provided with controller	
		provided with controller	
4.	Control	and Programming Software	1 No.
4.			1 110.
	4.1	Software License for CNC Development	
		All the licenses should be compatible with all the control equipment required for process execution for the machine.	
		(a) PLC and motion programming	
		2 0	
		• Modes of Control: Programmable Control - IEC 61131-3 (Ladder diagram / Structured text / Continuous flow chart / Function block diagram / Sequential	
		function chart / Instruction list) PLCopen Motion Control I, II, III	
		Simulation Runtime (for code & motion) CNC Programming (conforming to	
		DIN66025) Electronic Gearing Electronic Camming Embedded HMI	
		Options (Xpress / Web-Visualization) Local and Remote I/O Control	
		• Communication Interface: EtherCAT Ethernet/IP Profinet (With	
		communication module) Profibus (With PACIO module) Modbus TCP	
		OPC Server USB Dual LAN FTP	
		Online connection establishment with PLC runtime system worldwide via TCP/IP on any fieldly with remote delegating via TCP/IP. TCP/IP on any fieldly with remote delegating via TCP/IP.	
		 TCP/IP or any fieldbus with remote debugging via TCP/IP. PLC open-compliant IEC 61131-3 Functional Blocks should be supported. 	
		 PLC open-compliant IEC 61131-3 Functional Blocks should be supported. It should support electrical Servo Drives, stepper motor drives. 	
		 Axis Count: At least 4 path axes interpolation per CNC group or more. 	
		 Support for subroutine and jump technology, programmable loops, zero point 	
		shifts, tool corrections, M and H functions, mathematical functions,	

	programming of parameters/variables, user macros, spindle and auxiliary functions, zero point shifts, tool functions, axis functions, coupling and gantry axis function, override, axis error and sag compensation, measuring functions • Operations supported automatic mode, manual mode (jog/inch), single block mode, referencing, and block advance.	
	(b) HMI	
	HMI software to develop an interface for machine operation	

A complete set of tender documents* may be Download by prospective bidder free of cost from the website http://eprocure.gov.in/eprocure/app. Bidder must make payment of requisite fees (i.e. Tender fees (if any) and EMD) online through RTGS/NEFT only.

Terms & Conditions Details

Sl. No.	Specification
1.	Due date: The tender must be submitted on-line before the due date. The offers received after the
1.	due date and time will not be considered. No manual bids will be considered.
2.	Preparation of Bids : The offer/bid should be submitted in two bid systems (i.e.) Technical bid and financial bid. The technical bid should consist of all technical details along with commercial terms and conditions. Financial bid should indicate item wise price for the items mentioned in the technical bid in the given format on last page of this tender. Financial Bids to be submitted in PDF format. The Technical bid and the financial bid should be submitted online.
3.	EMD (if applicable): The tenderer should submit an EMD amount through RTGS/NEFT. The Technical Bid without EMD would be considered as UNRESPONSIVE and will not be accepted. The EMD will be refunded without any interest to the unsuccessful bidders after the award of contract. Refer to Schedule (at page 1 of this document) for its actual place of submission.
4.	Refund of EMD : The EMD will be returned to unsuccessful Tenderer only after the Tenders are finalized. In case of successful Tenderer, it will be retained till the successful and complete installation of the equipment.
5.	Opening of the tender : The online bid will be opened by a committee duly constituted for this
	purpose. Online bids (complete in all respect) received along with EMD (if any) will be opened as mentioned at "Annexure: Schedule" in presence of bidder's representative if available. Only one representative will be allowed to participate in the tender opening. Bid received without EMD (if present) will be rejected straight way. The technical bid will be opened online first, and it will be examined by a technical committee (as per specification and requirement). The financial offer/bid will be opened only for the offer/bid which technically meets all requirements as per the specification and will be opened in the presence of the vendor's representatives subsequently for further evaluation. The bidders if interested may participate on the tender opening Date and Time. The bidder should produce authorization letter from their company to participate in the tender opening.
6.	Acceptance/ Rejection of bids: The Committee reserves the right to reject any or all offers
0.	without assigning any reason.
7.	Pre-qualification criteria:
	(i) Bidders should be the manufacturer / authorized dealer. Letter of Authorization from original equipment manufacturer (OEM) on the same and specific to the tender should be enclosed. (ii) An undertaking from the OEM is required stating that they would facilitate the bidder on a regular basis with technology/product updates and extend support for the warranty as well. (Ref. Annexure-II) (iii) OEM should be internationally reputed Branded Company. (iv) Non-compliance of tender terms, non-submission of required documents, lack of clarity of the specifications, contradiction between bidder specification and supporting documents etc. may lead to rejection of the bid. (v) In the tender, either the Indian agent on behalf of the Principal/OEM or Principal/OEM itself can bid but both cannot bid simultaneously for the same item/product in the same tender. (vi) If an agent submits bid on behalf of the Principal/OEM, the same agent shall not submit a bid on behalf of another Principal/OEM in the same tender for the same item/product. (vii) All items shall be supplied together, and no partial supplies will be acceptable. (viii) Bidder should have experience of manufacturing at least one similar type of machine in
	last five years.
8.	Performance Security : The supplier shall require submitting the performance security in the form of irrevocable bank guarantee issued by any Indian Nationalized Bank for an amount which is stated at page #1 of the tender document within 21 days from the date of receipt of the purchase order/LC and should be kept valid for a period of 60 days beyond the date of completion of

Supplier and not involving the Supplier's fault or negligence and not foreseeable. St events may include, but are not limited to, acts of the Purchaser either in its sovereign contractual capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions a freight embargoes. If a Force Majeure situation arises, the Supplier shall promptly notify the Purchaser writing of such conditions and the cause thereof. Unless otherwise directed by the Purchase in writing, the Supplier shall continue to perform its obligations under the Contract as far is reasonably practical and shall seek all reasonable alternative means for performance prevented by the Force Majeure event. Risk Purchase Clause: In event of failure of supply of the item/equipment within the stipula delivery schedule, the purchaser has all the right to purchase the item/equipment from the of source on the total risk of the supplier under risk purchase the item/equipment from the of source on the total risk of the supplier under risk purchase the item/equipment from the of source on the total risk of the supplier under risk purchase the item/equipment from the of source on the total risk of the supplier under risk purchase the item/equipment from the of source on the total risk of the supplier under risk purchase the item/equipment from the of source on the total risk of the supplier under risk purchase the item/equipment from the of source on the total risk of the supplier of Goods iv. Supplier's Name and Address 12. Packing Instructions: Each package will be marked on three sides with proper paint/indelible ink, the following: 13. Delivery and Documents: Delivery for the goods should be made within a maximum of 08 to 16 weeks from the date placement of purchase order and the opening of LC. Within 24 hours of shipment, the supplier shall no		warranty period.
damages or termination for default, if and to the extent that, it's delays in performance or other fail to perform its obligations under the Contract is the result of an event of Force Majeure. • For purposes of this Clause, "Force Majeure" means an event beyond the control of Supplier and not involving the Supplier's fault or negligence and not foreseeable. St events may include, but are not limited to, acts of the Purchaser either in its sovereign contractual capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions a freight embargoes. • If a Force Majeure situation arises, the Supplier shall promptly notify the Purchaser writing of such conditions and the cause thereof. Unless otherwise directed by the Purchaser writing, the Supplier shall continue to perform its obligations under the Contract as far is reasonably practical and shall seek all reasonable alternative means for performance prevented by the Force Majeure event. 10. Risk Purchase Clause: In event of failure of supply of the item/equipment within the stipula delivery schedule, the purchaser has all the right to purchase the item/equipment from the of source on the total risk of the supplier under risk purchase clause. 11. Packing Instructions: Each package will be marked on three sides with proper paint/indelible ink, the following: 1. Item Nomenclature 11. Order/Contract No. 11. Country of Origin of Goods 12. Supplier's Name and Address 2. Consigned details 2. Packing list reference number 12. Delivery and Documents: Delivery and Documents: Delivery of the goods should be made within a maximum of 08 to 16 weeks from the date placement of purchase and the insurance company by cable/relex/fax/e mail the full details the shipment including contract number, railway receip number/ AAP etc. and date, description goods, quantity, name of the consignee, invoice etc. The supplier shall mail the full details the shipment including contract number, railway receip number/ AAP etc. and date, description goods, quantity, na	9.	
before miss obligations under the Contract is the result of an event of Force Majeure. For purposes of this Clause, "Force Majeure" means an event beyond the control of Supplier and not involving the Supplier's fault or negligence and not foresceable. St events may include, but are not limited to, acts of the Purchaser either in its sovereign contractual capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions a freight embargoes. If a Force Majeure situation arises, the Supplier shall promptly notify the Purchaser writing of such conditions and the cause thereof. Unless otherwise directed by the Purchaser in writing, the Supplier shall continue to perform its obligations under the Contract as far is reasonably practical and shall seek all reasonable alternative means for performance prevented by the Force Majeure event. Risk Purchase Clause: In event of failure of supply of the item/equipment within the stipula delivery schedule, the purchaser has all the right to purchase the item/equipment from the of source on the total risk of the supplier under risk purchase clause. Racking Instructions: Each package will be marked on three sides with proper paint/indelible ink, the following: i. Item Nomenclature ii. Order/Contract No. iii. Country of Origin of Goods iv. Supplier's Name and Address v. Consignee details vi. Packing list reference number Delivery and Documents: Delivery of the goods should be made within a maximum of 08 to 16 weeks from the date placement of purchase order and the insurance company by cable/telex/fax/e mail the full details the shipment including contract number, railway receipt number/ AAP etc. and date, description goods, quantity, name of the consignee, invoice etc. The supplier shall mail the follow documents to the purchaser with a copy to the insurance company: 1. 4 Copies of the Supplier invoice showing contract number, goods' description, quantity 2. Unit price, total amount; 3. Insurance Certificate is applicable; 4. Manufacturer's/Supplier		
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and delivery charges. The offer/bid should be exclusive of taxes and duties, which will be paid	14.	Prices : The price should be quoted in net per unit (after breakup) and must include all packing and delivery charges. The offer/bid should be exclusive of taxes and duties, which will be paid by
		the purchaser as applicable. However, the percentage of taxes & duties shall be clearly indicated.

The price should be quoted without custom duty and excise duty, since IIT Delhi is exempted from payment of Excise Duty and is eligible for concessional rate of custom duty. Necessary certificate will be issued on demand. In case of imports, the price should be quoted on FOB Basis only. Under special circumstances (e.g. perishable chemicals), when the item is imported on CIF/CIP, please indicate CIF/CIP charges separately upto IIT Delhi indicating the mode of shipment. IIT Delhi will make necessary arrangements for the clearance of imported goods at the Airport/Seaport. Hence the price should not include the above charges. **Notices:** For all notices, the following shall be the address of the Purchaser and Supplier. 15. Purchaser: Dr. Sunil Jha Department of Mechanical Engineering Indian Institute of Technology Hauz Khas, New Delhi - 110016. **Supplier:** (To be filled in by the supplier) (All suppliers should submit its supplies information as per Annexure-II). 16. **Progress of Supply**: Wherever applicable, supplier shall regularly intimate progress of supply, in writing, to the Purchaser as under: 1. Quantity offered for inspection and date; 2. Quantity accepted/rejected by inspecting agency and date; 3. Quantity dispatched/delivered to consignees and date; 4. Quantity where incidental services have been satisfactorily completed with date; 5. Quantity where rectification/repair/replacement effected/completed on receipt of any communication from consignee/Purchaser with date; 6. Date of completion of entire Contract including incidental services, if any; and 7. Date of receipt of entire payments under the Contract (In case of stage-wise inspection, details required may also be specified). 17. **Inspection and Tests:** Inspection and tests prior to shipment of Goods and at final acceptance are as follows: • After the goods are manufactured and assembled, inspection and testing of the goods shall be carried out at the supplier's plant by the supplier, prior to shipment to check whether the goods are in conformity with the technical specifications attached to the purchase order. Manufacturer's test certificate with data sheet shall be issued to this effect and submitted along with the delivery documents. The purchaser shall be present at the supplier's premises during such inspection and testing if need is felt. The location where the inspection is required to be conducted should be clearly indicated. The supplier shall inform the purchaser about the site preparation, if any, needed for installation of the goods at the purchaser's site at the time of submission of order acceptance. • The acceptance test will be conducted by the Purchaser, their consultant or other such person nominated by the Purchaser at its option after the equipment is installed at purchaser's site in the presence of supplier's representatives. The acceptance will involve trouble free operation and ascertaining conformity with the ordered specifications and quality. There shall not be any additional charges for carrying out acceptance test. No malfunction, partial or complete failure of any part of the equipment is expected to occur. The Supplier shall maintain necessary log in respect of the result of the test to establish to the entire satisfaction of the Purchaser, the

successful completion of the test specified.

In the event of the ordered item failing to pass the acceptance test, a period not exceeding one weeks will be given to rectify the defects and clear the acceptance test, failing which the Purchaser reserve the right to get the equipment replaced by the Supplier at no extra cost to the Purchaser. Successful conduct and conclusion of the acceptance test for the installed goods and equipment shall also be the responsibility and at the cost of the Supplier. 18. **Resolution of Disputes**: The dispute resolution mechanism to be applied pursuant shall be as follows: • In case of Dispute or difference arising between the Purchaser and a domestic supplier relating to any matter arising out of or connected with this agreement, such disputes or difference shall be settled in accordance with the Indian Arbitration & Conciliation Act, 1996, the rules there under and any statutory modifications or re-enactments thereof shall apply to the arbitration proceedings. The dispute shall be referred to the Director, Indian Institute of Technology (IIT) Delhi and if he is unable or unwilling to act, to the sole arbitration of some other person appointed by him willing to act as such Arbitrator. The award of the arbitrator so appointed shall be final, conclusive and binding on all parties to this order. • In the case of a dispute between the purchaser and a Foreign Supplier, the dispute shall be settled by arbitration in accordance with provision of sub-clause (a) above. But if this is not acceptable to the supplier then the dispute shall be settled in accordance with provisions of UNCITRAL (United Nations Commission on International Trade Law) Arbitration Rules. • The venue of the arbitration shall be the place from where the order is issued. 19. Applicable Law: The place of jurisdiction would be New Delhi (Delhi) INDIA. 20. **Right to Use Defective Goods** If after delivery, acceptance and installation and within the guarantee and warranty period, the operation or use of the goods proves to be unsatisfactory, the Purchaser shall have the right to continue to operate or use such goods until rectifications of defects, errors or omissions by repair or by partial or complete replacement is made without interfering with the Purchaser's operation. 21. **Supplier Integrity** The Supplier is responsible for and obliged to conduct all contracted activities in accordance with the Contract using state of the art methods and economic principles and exercising all means available to achieve the performance specified in the contract. 22. **Training** The Supplier is required to provide training to the designated Purchaser's technical and end user personnel to enable them to effectively operate the total equipment. 23. **Installation & Demonstration** The supplier is required to do the installation and demonstration of the equipment within one month of the arrival of materials at the IITD site of installation, otherwise the penalty clause will be the same as per the supply of materials. In case of any mishappening/damage to equipment and supplies during the carriage of supplies from the origin of equipment to the installation site, the supplier has to replace it with new equipment/supplies immediately at his own risk. Supplier will settle his claim with the insurance company as per his convenience. IITD will not be liable to any type of losses in any form. 24. **Insurance:** For delivery of goods at the purchaser's premises, the insurance shall be obtained by the supplier in an amount equal to 110% of the value of the goods from "warehouse" (final destinations) on "All Risks" basis including War Risks and Strikes. The insurance shall be valid for a period of not less than 3 months after installation and commissioning. In case of orders placed on FOB/FCA basis, the purchaser shall arrange Insurance. If orders placed on CIF/CIP basis, the insurance should be up to IIT Delhi. 25. **Incidental services:** The incidental services also include:

• Furnishing of 01 set of detailed operations & maintenance manual. Arranging the shifting/moving of the item to their location of final installation within IITD premises at the cost of Supplier through their Indian representatives. 26. Warranty: Warranty period shall be (as stated at page #2 of this tender) from date of installation of Goods at the IITD site of installation. The Supplier shall, in addition, comply with the performance and/or consumption guarantees specified under the contract. If for reasons attributable to the Supplier, these guarantees are not attained in whole or in part, the Supplier shall at its discretion make such changes, modifications, and/or additions to the Goods or any part thereof as may be necessary to attain the contractual guarantees specified in the Contract at its own cost and expense and to carry out further performance tests. The warranty should be comprehensive on site. (ii) The Purchaser shall promptly notify the Supplier in writing of any claims arising under this warranty. Upon receipt of such notice, the Supplier shall immediately within in 02 days arrange to repair or replace the defective goods or parts thereof free of cost at the ultimate destination. The Supplier shall take over the replaced parts/goods at the time of their replacement. No claim whatsoever shall lie on the Purchaser for the replaced parts/goods thereafter. The period for correction of defects in the warranty period is 02 days. If the supplier having been notified fails to remedy the defects within 02 days, the purchaser may proceed to take such remedial action as may be necessary, at the supplier's risk and expenses and without prejudice to any other rights, which the purchaser may have against the supplier under the contract. (iii) The warranty period should be clearly mentioned. The maintenance charges (AMC) under different schemes after the expiry of the warranty should also be mentioned. The comprehensive warranty will commence from the date of the installation/commissioning of the equipment against the defect of any manufacturing, workmanship and poor quality of the components. (iv) After the warranty period is over, Annual Maintenance Contract (AMC)/Comprehensive Maintenance Contract (CMC) up to next two years should be started. The AMC/CMC charges will not be included in computing the total cost of the equipment. 27. **Governing Language** The contract shall be written in English language. English language version of the Contract shall govern its interpretation. All correspondence and other documents pertaining to the Contract, which are exchanged by the parties, shall be written in the same language. 28. **Applicable Law** The Contract shall be interpreted in accordance with the laws of the Union of India and all disputes shall be subject to place of jurisdiction. 29. **Notices** • Any notice given by one party to the other pursuant to this contract/order shall be sent to the other party in writing or by cable, telex, FAX or e mail and confirmed in writing to the other party's address. • A notice shall be effective when delivered or on the notice's effective date, whichever is later. 30. **Taxes** Suppliers shall be entirely responsible for all taxes, duties, license fees, octroi, road permits, etc., incurred until delivery of the contracted Goods to the Purchaser. However, VAT in respect of the

transaction between the Purchaser and the Supplier shall be payable extra, if so stipulated in the

31.

order.

Duties

IIT Delhi is exempted from paying custom duty under notification No.51/96 (partially or full) and necessary "Custom Duty Exemption Certificate" can be issued after providing following information and Custom Duty Exemption Certificate will be issued to the shipment in the name of the Institute, (no certificate will be issued to third party): The procured product should be used for teaching, scientific and research work only. a) Shipping details i.e. Master Airway Bill No. and House Airway No. (if exists) b) Forwarder details i.e. Name, Contact No., etc. IIT Delhi is exempted from paying Excise Duty and necessary Excise Duty Exemption Certificate will be provided for which following information are required. b) Quotation with details of Basic Price, Rate, Tax & Amount on which ED is applicable c) Supply Order Copy d) Proforma-Invoice Copy. 32. Agency Commission: Agency commission if any will be paid to the Indian agent in Rupees on receipt of the equipment and after satisfactory installation. Agency Commission will not be paid in foreign currency under any circumstances. The details should be explicitly shown in Tender even in case of nil commission. The tenderer should indicate the percentage of agency commission to be paid to the Indian agent. 33. For imported items Payment will be made through irrevocable Letter of Credit (LC). Letter of Credit (LC) will be established in favour of foreign Supplier after the submission of performance security. The letter of credit (LC) will be established on the exchange rates as applicable on the date of establishment. For Imports, LC will be opened for 100% FOB/CIF value. 80% of the LC amount shall be released on presentation of complete and clear shipping documents and 20% of the LC amount shall be released after the installation and demonstration of the equipment at the INST site of installation in faultless working condition for period of 60 days from the date of the satisfactory installation and subject to the production of unconditional performance bank guarantee as specified in Clause 8 of tender terms and conditions. (ii) For Indigenous supplies, 100% payment shall be made by the Purchaser against delivery, inspection, successful installation, commissioning and acceptance of the equipment at IITD in good condition and to the entire satisfaction of the Purchaser and on production of unconditional performance bank guarantee as specified in Clause 9 of tender terms and conditions. (iii) Indian Agency commission (IAC), if any shall be paid after satisfactory installation & commissioning of the goods at the destination at the exchange rate prevailing on the date of negotiation of LC documents, subject to DGS&D registration for restricted items. (iv) All the bank charges within India will be borne by the Institute and outside India will be borne by the Supplier. User list: Brochure detailing technical specifications and performance, list of industrial and 34. educational establishments where the items enquired have been supplied must be provided. (Ref. Annexure-III) **Manuals and Drawings** 35. Before the goods and equipment are taken over by the Purchaser, the Supplier shall supply operation and maintenance manuals. These shall be in such details as will enable the Purchaser to operate, maintain, adjust and repair all parts of the works as stated in the specifications. The Manuals shall be in the ruling language (English) in such form and numbers as stated in the contract. (iii) Unless and otherwise agreed, the goods equipment shall not be considered to be completed

for the purposes of taking over until such manuals and drawing have been supplied to the

	Purchaser.
36.	Application Specialist: The Tenderer should mention in the Techno-Commercial bid the
	availability and names of Application Specialist and Service Engineers in the nearest regional
	office. (Ref. to Annexure-III)
37.	Site Preparation: The supplier shall inform to the Institute about the site preparation, if any,
	needed for the installation of equipment, immediately after the receipt of the purchase order. The
	supplier must provide complete details regarding space and all the other infrastructural
	requirements needed for the equipment, which the Institute should arrange before the arrival of
	the equipment to ensure its timely installation and smooth operation thereafter.
	The supplier shall visit the Institute and see the site where the equipment is to be installed and
	may offer his advice and render assistance to the Institute in the preparation of the site and other
	pre-installation requirements.
38.	Spare Parts
	The Supplier may be required to provide any or all of the following materials, notifications, and
	information pertaining to spare parts manufactured or distributed by the Supplier:
	ii. Such spare parts as the Purchaser may elect to purchase from the Supplier, providing that this
	election shall not relieve the Supplier of any warranty obligations under the Contract; and
	iii. In the event of termination of production of the spare parts:
	iv. Advance notification to the Purchaser of the pending termination, in sufficient time to permit
	the Purchaser to procure needed requirements; and
	v. Following such termination, furnishing at no cost to the Purchaser, the blueprints, drawings and
	specifications of the spare parts, if requested.
	Supplier shall carry enough inventories to assure ex-stock supply of consumable spares for the
	Goods, such as gaskets, plugs, washers, belts etc. Other spare parts and components shall be
	supplied as promptly as possible but, in any case, within six months of placement of order.
39.	Defective Equipment: If any of the equipment supplied by the Tenderer is found to be
	substandard, refurbished, un-merchantable or not in accordance with the description/specification
	or otherwise faulty, the committee will have the right to reject the equipment or its part. The
	prices of such equipment shall be refunded by the Tenderer with 18% interest if such payments
	for such equipment have already been made. All damaged or unapproved goods shall be returned
	at suppliers cost and risk and the incidental expenses incurred thereon shall be recovered from the
	supplier. Defective part in equipment, if found before installation and/or during warranty period,
	shall be replaced within 45 days on receipt of the intimation from this office at the cost and risk of
	supplier including all other charges. In case supplier fails to replace above item as per above terms
	& conditions, IIT Delhi may consider "Banning" the supplier.
40.	Termination for Default
	The Purchaser may, without prejudice to any other remedy for breach of contract, by written
	notice of default sent to the Supplier, terminate the Contract in whole or part:
	i. If the Supplier fails to deliver any or all of the Goods within the period(s) specified in the
	Order, or within any extension thereof granted by the Purchaser; or
	ii. If the Supplier fails to perform any other obligation(s) under the Contract.
	iii. If the Supplier, in the judgment of the Purchaser has engaged in corrupt or fraudulent
	practices in competing for or in executing the Contract.
	• For the purpose of this Clause:
	i. "Corrupt practice" means the offering, giving, receiving or soliciting of anything of
	value to influence the action of a public official in the procurement process or in
	contract execution.
	COMMUNICATION OF THE PROPERTY
	ii. " Fraudulent practice " means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of the Borrower,

	designed to establish bid prices at artificial non-competitive levels and to deprive the Borrower of the benefits of free and open competition;"	
	• In the event the Purchaser terminates the Contract in whole or in part, the Purchaser may procure, upon such terms and in such manner, as it deems appropriate, Goods or Services similar to those undelivered, and the Supplier shall be liable to the Purchaser for any excess costs for such similar Goods or Services. However, the Supplier shall continue the performance of the Contract to the extent not terminated.	
41.	Shifting : After 1-2 years once, our new Academic Block will be ready, the supplier has to shift and reinstall the instrument free of cost (if required).	
42.	Downtime: During the warranty period not more than 5% downtime will be permissible. For every day exceeding permissible downtime, penalty of 1/365 of the 5% FOB value will be imposed. Downtime will be counted from the date and time of the filing of complaint with in the business hours.	
43.	Training of Personnel: The supplier shall be required to undertake to provide the technical training to the personnel involved in the use of the equipment at the Institute premises, immediately after completing the installation of the equipment for a minimum period of one week at the supplier's cost.	
44.	Disputes and Jurisdiction : Any legal disputes arising out of any breach of contract pertaining to this tender shall be settled in the court of competent jurisdiction located within New Delhi.	
45.	Compliancy certificate : This certificate must be provided indicating conformity to the technical specifications. (Annexure-I)	
46.	"In case of CIF/CIP shipments, kindly provide the shipment information at least 2 days in advance before landing the shipment along with the documents i.e. invoice, packing list, forwarder Name, address, contact No. in India to save demurrage charges (imposed by Indian Customs). Otherwise these charges will be recovered from the supplier/Indian Agent."	

COMPLIANCE SHEET

	ion with Technical Specifications	Quantity	Compliance (Y/I
Magneto	o-Rheological Finishing Machine Structure	1 No.	
1.1	CNC Machine Frame		
a.	A machine bed to be fabricated and precision machined; preferably		
	0.8 m (l) x 0.8 m (w) x 1.6 m (h) dimension; with better damping characteristics.		
b.	Transparent window for viewing the procedure in the machine		
	enclosure.		
d.	Manually operated front door (with safety switch) with closed top.		
e.	Separate unit for control cabinet underneath the work		
· .	space area with minimum 12" HMI.		
f.	Tower light on Machine Frame.		
g.	LED light inside Control Cabinet.		
h.	Wiring as per industry standards.		
i.	Keys:		
	 Key toggle for mains powers 		
	System Power		
	Drive Power		
	Emergency Switch		
1.2	Linear Positioners for X and Y axes	2 Nos.	
	Complete linear server positioner with extended eleminum		
	Complete linear screw positioner with extruded aluminum housing, square rail Bearings, Precision ground Ball screw,		
	travel stops & homing sensor.		
	Duty cycle: 100%.		
	Motor mounting configurations (in-line, parallel).		
	IP30 Protection level with stainless strip seal.		
	Acceleration 20 m/sec ² .		
	Ball screw efficiency 90%.		
	Load carrying capacity - 150 kgs min.		
	Screw Rotation Speed – 0 to 3500 rpm		
	Table travel: 150 mm.		
	Bidirectional Repeatability < 1.5 μm		
	Positional Accuracy: 10 µm (max)		
	Home Sensor (1 No.), Travel limit Sensor (2 Nos)		
	Motor Coupling: 0.375" Bellows.		
	Motor Mount: BE 23-In-line-mounting.		
	Linear Encoder: 0.5 micron		
1.2	T ! D !!! 6 77	4 >7	
1.3	Linear Positioner for Z axes	1 No.	

	housing, square rail Bearings, Precision ground Ball screw,		
	travel stops & homing sensor.		
	Duty cycle: 100%.		
	Motor mounting configurations (in-line, parallel).		
	IP30 Protection level with stainless strip seal.		
	Acceleration 20 m/sec ² .		
	Ball screw efficiency 90%.		
	Load carrying capacity - 150 kgs min.		
	Screw Rotation Speed – 0 to 3500 rpm		
	Table travel: 300 mm		
	Precision Grade: Repeatability < 1.5 μm		
	Home Sensor (1 No.), Travel limit Sensor (2 Nos)		
	Motor Coupling: 0.375" Bellows.		
	Motor Mount: BE 23-In-line-mounting.		
	Linear Encoder: 0.5 micron.		
1.4	Rotary positioning and indexing table	2 Nos.	
	Table diameter – 6 in, 150 mm.		
	Gear Ratio – 180:1.		
	Magnetic home switches.		
	Motor coupling – 0.375 in bore, bellows (required for		
	precision grade).		
	Standard table top.		
	Repeatable indexing (12 arc-sec)		
	Load capacity 200 lbs., (60Kgf)		
	360 degrees continuous travel.		
	Worm gear drive.		
	Dual race angular contact support bearing.		
	Input Velocity (Max.) 15 revs. /sec.		
	Positional repeatability (unidirectional) 0.2 arc-min.		
2. Electron	magnets with Power Supply	1 No.	
Specific	ations (Electromagnet):		
a.	Magnetic Field - 1 Tesla in a gap of 1mm		
Specific	ations (Power Supply):		
a.	Rated Output Voltage: 100 V		
b.	Rated Output Current: 7.5 A		
c.	Rated Output Power: 750 Watts		
3. Control	s and Instrumentation Electronics		
3.1	Industrial Panel PC	1 No.	
J.1	Industrial Panel PC with aluminium housing and Windows	1 110.	
	OS. All ports should be accessible from back.		
	Specification (minimum):		
	a. 12-inch display or above with 1366x768 resolution and		
	touch screen		
	b. Intel 6 th /7th Generation Celeron 2.3GHz or better		

	1			
		c. 4 GB RAM or more		
		d. 320GB HDD or above		
		e. Ports: 2xReal-Time Ethernet Based port compatible		
		with EtherCAT and 2 USB ports		
		f. Operating Temperature: 0 to +50 Deg. Celsius		
		g. Protection class front side IP 65, rear side IP 20		
		h. With Keyboard		
		Following accessories are also required with IPC:		
		a. All the necessary cables for power		
		b. Clamping and mounting accessories		
		c. Battery pack		
	3.2	Input/Output terminal(s) with EtherCAT coupler	1 No.	
		16 DIs (Digital Inputs)		
		16 DOs (Digital Mputs) 16 DOs (Digital Outputs)		
		4 AIs (Analog Inputs)		
		 4 AOs (Analog Outputs) 6 or more Servo Axis (For closed loop feedback 		
		6 or more Servo Axis (For closed loop feedback motion)		
		Communication interfaces as per requirement		
		Capability to handle PLC and servo axis functions		
		with:		
		Above interfaces/hardware for DI, DO, AI, AO		
		and motion also to be provided with controller		
4.	Control	and Programming Software	1 No.	
	4.1	Software License for CNC Development		
		All the licenses should be compatible with all the control		
		equipment required for process execution for the machine.		
	a.	PLC and motion programming		
		Modes of Control: Programmable Control - IEC 61131-		
		3 (Ladder diagram / Structured text / Continuous flow		
		chart / Function block diagram / Sequential function		
		chart / Instruction list) PLCopen Motion Control I, II,		
		III Simulation Runtime (for code & motion) CNC		
		Programming (conforming to DIN66025) Electronic		
		Gearing Electronic Camming Embedded HMI Options		
		(Xpress / Web-Visualization) Local and Remote I/O		
		Control		
		• Communication Interface: EtherCAT Ethernet/IP		
		Profinet (With communication module) Profibus (With		
		PACIO module) Modbus TCP OPC Server USB		
		Dual LAN FTP		
		Online connection establishment with PLC runtime Output Output Description Output Description Desc		
		system worldwide via TCP/IP or any fieldbus with		
		remote debugging via TCP/IP.		
		• PLC open-compliant IEC 61131-3 Functional Blocks should be supported.		
		r sooma de subbouea		
		It should support electrical Servo Drives, stepper motor drives.		

	 Axis Count: At least 4 path axes interpolation per CNC group or more. Support for subroutine and jump technology, programmable loops, zero point shifts, tool corrections, M and H functions, mathematical functions, programming of parameters/variables, user macros, spindle and auxiliary functions, zero point shifts, tool functions, axis functions, coupling and gantry axis function, override, axis error and sag compensation, measuring functions Operations supported automatic mode, manual mode (jog/inch), single block mode, referencing, and block advance. 	
b.	HMI	
	HMI software to develop an interface for machine operation	

I have also enclosed all relevant documents in support of my claims, (as above) in the following pages.

Name:	
Designation: _	
Organization Name:	
_	
Contact No ·	

Signature of Bidder

<< Organization Letter Head >> DECLARATION SHEET

We,	hereby certify that all the information and data furnished by
our organization regarding this tender specific	ation are true and complete to the best of our knowledge. I have stipulations in details and agree to comply with the requirements
•	authorized (Copy attached) by the OEM to participate in Tender
We further certified that our organization mee	ts all the conditions of eligibility criteria laid down in this tender ort on regular basis with technology / product updates and extended
The prices quoted in the financial bids are subsi	dized due to academic discount given to IIT Delhi.
We further specifically certify that our organization has not been Black Listed/De Listed or put to any Holiday by any Institutional Agency/ Govt. Department/ Public Sector Undertaking in the last three years. 1 Phone	NAME & ADDRESS OF THE Vendor/ Manufacturer / Agent
2 Fax	
3 E-mail	
4 Contact Person Name	
5 Mobile Number	
6 TIN Number	
7 PAN Number	
(In case of on-line payment of Tender Fees)	
8 UTR No. (For Tender Fee) (In case of on-line payment of EMD)	
9 UTR No. (For EMD)	
10 Kindly provide bank details of the bidder in the following format: a) Name of the Bank	
b) Account Number	
c) Kindly attach scanned copy of one Cheque book page to enable us to return the EMD to unsuccessful bidder	
	(Signature of the Tenderer)
	Name:
	Seal of the Company

List of Govt. Organization/Department

List of Government Organizations for w years (must be supported with work ord	hom the Bidder has undertaken such work	during last three
Name of the organization	Name of Contact Person	Contact No.
Name of application specialist / Service l support the quoted product during the v	Engineer who have the technical competend varranty period.	cy to handle and
Name of the organization	Name of Contact Person	Contact No.
_		
		Signature of Bidde
	Name:	Signature of Didde
	Organization Name:	
	Contact No.:	

Bid Submission

Online Bid Submission:

The Online bids (complete in all respect) must be uploaded online in **two** Envelops as explained below:

Envelope – 1 (Following documents to be provided as single PDF file)								
Sl. No.	Sl. No. Documents Content							
1.	Technical Bid	Compliance Sheet as per Annexure - I	.PDF					
2.		Organization Declaration Sheet as per Annexure - II	.PDF					
3.		List of organizations/ clients where the same products have been supplied (in last two years) along with their Contact number(s). (Annexure-III)	.PDF					
4.		Technical supporting documents in support of all claims made at Annexure-I (Annexure-IV)	.PDF					
	Envelope – 2							
Sl. No.	l. No. TYPES Content							
1.	Financial Bid	Price bid should be submitted in PDF format.	.PDF					

<Department/Centre Name> Indian Institute of Technology Delhi Hauz Khas, New Delhi-110016

Date: XX/XX/XXXX

Subject: Purchase of <Item> (Following format is used for imported items)

S.	Currency	Description and Specification of	Qty.	Unit	Agency	Discount	Ex-works	Packing +	FOB/FCA	Insurance	CIF Price
No.		the Item	in	Price	Commission		price	Handling	Price	+ Freight	(f+g)
			Units		(If		(d=a+b-c)	+ DOC +	(f=d+e)	(g)	
				(a)	applicable)	(c)		Inland			
					(b)			Freight +			
								FCA			
								Charges			
								(e)			
1											

For indigenous items please quote as per following format.

S.	Description and Specification of the	Qty. in Units	Unit Price in	Excise Duty %	CST/VAT%	Octroi%	Total Price in
No.	Item		Rs.				Rs.
1.							
2.							

Note: The above financial template should be strictly followed. Any deviation from the above template (in terms of description and specification of the item) may lead to cancellation of the tender.