Notice Inviting Quotation (E-Procurement mode)

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

Dated: 02/02/2017

Open Tender Notice No. IITD/BEEN(SP-863)/2017

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

Details of the item	Plasma-enhanced Atomic Layer Deposition (PEALD) System
Earnest Money Deposit to besubmitted	Rs. NIL
Warranty	2 Year
Performance security	5% of FOB Value

Tender Documents may be downloaded from Central Public Procurement Portal <u>http://eprocure.gov.in/eprocure/app</u>.Aspiring Bidders who have not enrolled / registered in e-procurement should enroll / register before participating through the website <u>http://eprocure.gov.in/eprocure/app</u>. 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)	Supply
Product Category (Civil Works/Electrical Works/Fleet Management/ Computer Systems)	Others
Source of Fund (Institute/Project)	Project(RP03246)
Is Multi Currency Allowed	YES
Date of Issue/Publishing	02/02/2017 (13:00Hrs)
Document Download/Sale Start Date	02/02/2017 (13:00Hrs)
Document Download/Sale End Date	02/03/2017 (15:00 Hrs)
Date for Pre-Bid Conference	NA
Venue of Pre-Bid Conference	NA
Last Date and Time for Uploading of Bids	02/03/2017 (15:00 Hrs)
Date and Time of Opening of Technical Bids	03/03/2017 (15:00 Hrs)
Tender Fee EMD	Rs. NIL/- (ForTenderFee) Rs.Rs. NIL/-(ForEMD)(To be paid through RTGS/NEFT. IIT Delhi Bank details are as under:Name of theBankA/C: IITDRevenueAccountSBIA/CNo.:10773572622Name ofthe Bank: State Bank of India,IITDelhi,Hauz Khas, NewDelhi-110016IFSCCode:SBIN0001077MICRCode:110002156SwiftNo.:SBININBB547(This is mandatory that UTR Number is provided in the on- linequotation/bid. (Kindly refer to the UTR Column of theDeclaration Sheet at Annexure-II)
No. of Covers (1/2/3/4)	02
Bid Validity days (180/120/90/60/30)	180 days (From last date of opening of tender)
Address for Communication Contact No.	Dr. Anuj Dhawan, Electrical Engineering Department, Indian Institute of Technology, HauzKhas, New Delhi-110016 1352
Fax No.	
Email Address	adhawan@ee.iitd.ac.in

Chairman Purchase Committee(Buyer Member) 2

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 (<u>URL:http://eprocure.gov.in/eprocure/app</u>). 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

- Bidders are required to enroll on the e-Procurement module of the Central Public Procurement Portal (URL:<u>http://eprocure.gov.in/eprocure/app</u>) by clicking on the link "Click here to Enroll". Enrolment on the CPP Portal is free ofcharge.
- 2) As part of the enrolment process, the bidders will be required to choose a unique username and assign a password for their counts.
- 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 CPPPortal.
- 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 theirprofile.
- 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 tomisuse.
- 6) Bidder then logs in to the site through the secured log-in by entering their userID / password and the password of the DSC /eToken.

SEARCHING FOR TENDER DOCUMENTS

- 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 a number of search parameters such as organization name, form of contract, location, date, other keywords etc. to search for a tender published on the CPPPortal.
- 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 tenderdocument.
- 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 theHelpdesk.

PREPARATION OF BIDS

- 1) Bidder should take into account any corrigendum published on the tender document before submitting theirbids.
- 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 whiteoption.
- 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 submissionprocess.

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 has to digitally sign and upload the required bid documents one by one as indicated in the tenderdocument.
- 3) Bidder has to 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 is sought, bidders need to pay the tender fee and EMD separately on-line through RTGS (Refer to Schedule, PageNo.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 coloured (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 berejected.

OR

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

- 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 bidsubmission.
- 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 isdone.
- 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 compliancesheet.

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 <u>http://eprocure.gov.in/eprocure/app</u>. In the Technical Bids, the bidders are required to upload all the documents in .pdfformat.
- 2) Possession of a Valid Class II/III Digital Signature Certificate (DSC) in the form of smart card/etoken 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 aboutDSC".
- 3) Tenderer are advised to follow the instructions provided in the 'Instructions to the Tenderer for the e-submission of the bids online through the Central Public Procurement Portal for e Procurement athttps://eprocure.gov.in/eprocure/app.

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

NOTICE INVITING QUOTATIONS

Dated: 02/02/2017

Subject: Plasma-enhanced Atomic Layer Deposition (PEALD) System

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 for **supply, installation & integration** of **Plasma-enhanced Atomic Layer Deposition System** 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 <u>http://eprocure.gov.in/eprocure/app</u>

	HNICAL SPECIFICAT	
S. No	Features	Technical Specifications
1.	Substrate Size	Up to 200mm diameter, up to 5mm in thickness.
		op to zoonini diameter, up to 5min in tinekness.
2.	Substrate Temperature Range	The substrate reaction temperature shall be from ambient to 350°C.
3.	Deposition Uniformity	Deposition Uniformity of Al_2O_3 better than $\pm 2\%$ 1-sigma across the maximum substrate diameter.
4.	Reaction Chamber Volume	For cost effective use of precursors and for optimized ALD practices it is preferred that the volume of the chamber is less than 0.5ltr; a crossflow chamber architecture is preferred to achieve this.
5.	Reaction Chamber Material	Stainless steel (e.g. 304) and aluminum.
6.	Reaction Chamber Architecture	It is preferred that the reaction chamber shall be external to system, providing all round access for options, modifications and developments by the user and the supplier; a single chamber combining the vacuum and reaction functions, with a single wall to the outside world and using cross-flow precursor delivery is preferred for this objective. The closed reaction chamber and reactant delivery system shall have no moving parts above the substrate plane.
7.	Precursor Ports	System shall have four precursor ports (the carrier gas line is counted separately and is not one of the four); this number will be easily field-upgraded to a maximum of 6 ports (the carrier gas being counted separately). All of the system's precursor ports shall be interchangeably capable of solid, liquid or gaseous precursors and will not need to be pre-determined at system purchase time. The precursor route from vessel to reaction chamber shall be all metal seal.
8.	Precursor Delivery	The system shall provide a short precursor path to the first coated/co-reacted surfaces, on the order 10cm maximum; for this, one single heated precursor manifold which is constantly purged is preferred, carrying both oxidants and precursors to provide internal preconditioning by coating inside the manifold; the system will utilize software safety interlocks.
		Manifold shall be separately heat controlled by the recipe from ambient to 200°C. Precursor dosage control shall be by physical industry standard ALD valve under recipe control to 15ms minimum period.

TECHNICAL SPECIFICATIONS:

		Software must show the recipe, a system architecture graphic showing set-point and
		Software must show the recipe a system architecture graphic showing set point and
		The system shall be delivered with and utilize a dedicated PC running an industry standard operating system, for example, Windows. There shall be no requirement to network the PC.
		interactively from the GUI. The user software shall provide an interactive graphical user interface with no requirement for a touch-screen.
17.	Software	The software shall be able to create process recipes and also control the hardware
16.	Electrical Requirements	The system shall be single phase and consume less than 3kVA of power in-cluding all options and ancillary units.
15.	Electronics	It is preferred that all the system control electronics are housed in a single replaceable control box in a dedicated bay separate from gas box and with spare I/O capacity for future system expansion.
1.5		For future advanced research, the system shall be able to deposit a sequence of films to form nanolaminates or doped films of different compositions and thickness, with the possibility of up to five simultaneous organometallic precursors and one oxidant (in a fully configured system) being available in parallel in any one recipe without the need to change precursor cylinders during recipe execution.
		condensation. The system will provide fail-safe operation with continuous self-diagnosis. In case of malfunctions, a watchdog will turn off all heaters and close all valves automatically.
		The complete pumping line to and including the trap is heated to prevent
		The system shall provide separate independent temperature setting by the recipe of each precursor cylinder, the manifold, the substrate, the chamber deposition area, the chamber perimeter and the ALD trap in the exhaust route.
		precursor is required in order to coat HAR substrates. A stop-valve on a single combined vacuum-reaction chamber is preferred to achieve this objective.
	Acquitenienies	of 2000:1. To minimize precursor consumption it is preferred that no flowing of
14.	Deposition Requirements	The system shall be capable of extended precursor permeation time for a single precursor pulse for addressing High Aspect Ratio (HAR) substrates up to equivalent
13.	Temperature Control	The temperature of the system heaters shall be PID controlled.
		shall use water cooling either full-time or part-time; no water cooling shall be required.
12.	Cooling	No part of the system, or its options or peripherals, including the plasma capability,
11.	Plasma gas lines	should have a automatching network which can be operated up to 300W. The system should have three MFC controlled gas lines.
10.	Plasma Source	detailed procedure will be attached with the tender to demonstrate this point. To provide best radical flux in a small volume chamber, a capacitively coupled plasma (13.56MHz) generation is preferred with an ion filtration grid. The unit
		controlled; each can be held at individual temperatures from ambient to 200°C. Precursor tanks shall be user-exchangeable in 5 minutes without special tools. A
).		shall be used by and delivered with the system. All precursor vessels should be individually heated and separately temperature
9.	Precursors vessels	gauges or individual mass flow controllers (MFCs). Industry standard 50ml precursor tanks with high temperature bellows manual valve
		maintenance complexity and cost, to this end, the standard precursor delivery shall meet all recipe requirements without the requirement for separate precursor pressure

		actual temperatures and a live rolling pressure graph simultaneously in one screen on
		the laptop. System software shall include automatic data logging during run-time and stand-by time; providing time-stamped recorded data including: - System Event File - Process Event File - Heater Data File - Pressure Data File - Run Summary - Run Report (including screen capture)
		Recipes shall be user-created in a single screen with representation of system architecture for convenient reference. The graphical user interface shall provide live temperature set points and actual temperature readings. Temperatures and valve settings shall be set by the recipe or interactively on-screen by the User.
18.	Recipes	The system users will have free access to the supplier's recipe database on demand.
19.	Self Assembling Precursors	The system shall have an optional specific capability to deliver precursors for Self Assembled Monolayers (SAMS) and to deposit their films; this functionality must be easily field retro-fitted after delivery of the main system. For dose control, the capability shall be implemented with a heated accumulator and pressure gauge separated from the precursor vessel by a recipe controlled valve. The capability shall be recipe controlled with full hardware and software integration, fully uniformly heated and shall utilize an industry standard 50cl precursor cylinder to support economic precursor procurement. Proof of existence of this optional hardware and software must be provided in the form of at least 3 existing installations in the field, each of which is over 12 months old.
20.	Advanced Precursors	The system shall have an optional specific capability to deliver precursors to the reaction chamber whose vapor pressure is down to 0.01 Torr without heating to the decomposition temperature of the precursor, and to deposit these films. This functionality must be easily field retro-fitted after delivery of the main system. To be credible this optional hardware must utilize a bubbler with a full length dipped tube; it shall be fully recipe controlled; shall have uniform heating of all its parts enroute to the ALD valve. The maximum temperature of the bubbled precursor vessel shall be 200°C. Proof of existence of this optional hardware and software must be provided in the form of at least 3 existing installations in the field, each of which is over 12 months old.
21.	Investment Protection	 As well as the SAMS, Advanced Precursor and PLASMA options mentioned above, the system will have the following field upgradeable options: Wafer batch processing for approximately 10 wafers. 3-dimensional object coating for items up to 65mm high. Particles Coating Option Ozone Option, fully software integrated. Two-stage stop valve (for use with small or light substrates) QCM real-time in-situ option, with crystal in close proximity to the substrate,. Ellipsometry real-time in-situ option at normal unmonitored recipe speed. H2S Option.
22.	Maintenance and Support	 Supplier will have established hardware and user support capability in India. Supplier will have a systematic solution for science support from its own technical staff. Vendor must have a Local Trained Service engineer to provide after-sales support. Certificates of the trained engineer should be included with the
23.	Safety Features	quotation. Built in safety features

[- H ₂ /O ₂ safety interlock
		- Software safety interlocks
		- Overpressure abort
		- Over temp abort
		- Faulty recipe entry warnings
		- Continuous USB communication monitoring
		For protection of the pump and the environment, the system will include a high
		surface area ALD trap in the exhaust path, integrated within the system to minimize
		footprint, and heated under closed loop recipe control.
24.	Other Requirements :	Cleanroom compatibility Class 100.
24.	Other Requirements.	Compliance CE, TUV.
		Installation and on-site user training.
25.	Recognition	To ensure maturity and recognisability of the solution, supplier will have in excess of
		250 of the proposed systems installed in the field, and the system must be referenced
		in over 500 published peer reviewed papers.
26 .	Footprint	To optimize cost of ownership the footprint of the system is preferred not to exceed
		590mm wide x 590mm front-to-back not including the pump or Ozone footprints.
27.	Supply of systems	• Vendor should have supplied atleast 5 Atomic Layer Deposition systems in India
	in India	in the past 5 years
	User Reference	• Detailed User reference list should be provided
28.	List	

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

Terms & Conditions Details

 SI. No. Specification Due date: The tender has to be submitted on-line before the due date. The offers r due date and time will not be considered. No manual bids will be considered. Preparation of Bids: The offer/bid should be submitted in two bid systems (i.e.) and financial bid. The technical bid should consist of all technical details along with terms and conditions. Financial Bids to be submitted in PDF format. The Technical bid and the financial bid should be submitted Online. Opening of the tender: The online bid will be opened by a committee duly compurpose. Online bids (complete in all respect) received will be opened as mentioned Schedule" in presence of bidders representative if available. Only one represe allowed to participate in the tender opening. The technical bid will be opened on will be opened only for the offer/bid which technically meets all requires specification, and will be opened only for the offer/bid which technical greenetatives if further evaluation. The bidders if interested may participate on the tender opening. The bidder should produce authorization letter from their company to participat opening. Acceptance/ Rejection of bids: The Committee reserves the right to reject any or without assigning any reason. Bidders should be the manufacturer / authorized dealer. Letter of Authorizati equipment manufacturer (OEM) on the same and specific to the tender should bee (ii) An undertaking from the OEM is required stating that they would facilitate regular basis with technology/product updates and extend support for the warran Annexure-II) (iii) OEM should be internationally reputed BrandedCompany. (iv) Non-compliance of tender terms, non-submission of required documents, lack specifications, contradiction between bidder specification and supporting document terminal of the bidder. 	Fechnical bid th commercial nstituted for this ed at "Annexure: entative will be nline first and it t). The financial ments as per the subsequently for Date and Time. te in the tender all offers
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specifications, contradiction between bidder specification and supporting document	
	its etc. may lead
to rejection of thebid.	
(v) In the tender, either the Indian agent on behalf of the Principal/OEM or Prin	-
can bid but both cannot bid simultaneously for the same item/product in the samet	
(vi) If an agent submits bid on behalf of the Principal/OEM, the same agent shall on behalf of another Principal/OEM in the same tender for the sameiter (product	not submit a bid
on behalf of another Principal/OEM in the same tender for the sameitem/product.	with in the former
6. Performance Security : The supplier shall require to submit the performance security of irreveable hank guarantee issued by any Indian Nationalized Bank for an a	
of irrevocable bank guarantee issued by any Indian Nationalized Bank for an a	
stated at page #1 of the tender document within 21 days from the date of receipt order/LC and should be kept valid for a period of 60 days beyond the date of	-
warranty period.	i completion of
	monaa saawiitu
7. Force Majeure: The Supplier shall not be liable for forfeiture of its perfor liquidated damages or termination for default, if and to the extent that, it's delay in	
other failure to perform its obligations under the Contract is the result of an event of	-
	e e
• For purposes of this Clause, "Force Majeure" means an event beyond th	
Supplier and not involving the Supplier's fault or negligence and not foreseea	
may include, but are not limited to, acts of the Purchaser either in its soverei	
capacity, wars or revolutions, fires, floods, epidemics, quarantine restrict	-
embargoes.	-
• If a Force Majeure situation arises, the Supplier shall promptly notify the Pur	-
of such conditions and the cause there of. Unless otherwise directed by the Purchaser in the second secon	ons and freight chaser in writing

	writing, the Supplier shall continue to perform its obligations under the Contract as far as is reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event.
8.	Risk Purchase Clause : In event of failure of supply of the item/equipment within the stipulated delivery schedule, the purchaser has all the right to purchase the item/equipment from the other source on the total risk of the supplier under risk purchase clause.
9.	Packing Instructions: Each package will be marked on three sides with proper paint/indelible ink, the following: i. ItemNomenclature ii. Order/ContractNo.
	 iii. CountryofOriginofGoods iv. Supplier's Name andAddress v. Consigneedetails
	vi. Packing list referencenumber
10.	 Delivery and Documents: Delivery of the goods should be made within a maximum of 08 to 16 weeks from the date of placement of purchase order and the opening of LC. Within 24 hours of shipment, the supplier shall notify the purchaser and the insurance company by cable/telex/fax/e mail the full details of the shipment including contract number, railway receipt number/ AAP etc. and date, description of goods,quantity,nameoftheconsignee,invoiceetc.Thesuppliershallmailthefollowingdocuments to the purchaser with a copy to theinsurance company: 1. 4CopiesoftheSupplierinvoiceshowingcontractnumber,goods'description,quantity
	 unit price, totalamount; Insurance Certificate ifapplicable; Manufacturer's/Supplier's warrantycertificate; InspectionCertificateissuedbythenominatedinspectionagency,ifany Supplier's factory inspection report;and CertificateofOrigin(ifpossiblebythebeneficiary); Twocopiesofthepackinglistidentifyingthecontentsofeachpackage.
	9. The above documents should be received by the Purchaser before arrival of the Goods (except where the Goods have been delivered directly to the Consignee with all documents) and, if not received, the Supplier will be responsible for anyconsequent expenses.
11.	Delayed delivery: If the delivery is not made within the due date for any reason, the Committee will have the right to impose penalty 1% per week and the maximum deduction is 10% of the contract value / price.
12.	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 ondemand.
	In case of imports, the price should be quoted on FOB Basis only. Under special circumstances (eg. 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.
13.	Notices: For the purpose of all notices, the following shall be the address of the Purchaser and Supplier.Purchaser: Dr. Anuj Dhawan
	Electrical Engineering Department
	Indian Institute of Technology

	Hauz Khas, New Delhi - 110016
	Supplier: (Tobefilledinbythesupplier)
	(All supplier's should submit its supplies information as per Annexure-II).
14.	Progress of Supply: Wherever applicable, supplier shall regularly intimate progress of supply, in
	writing, to the Purchaser as under:1. Quantity offered for inspection anddate;
	 Quantity accepted/rejected by inspecting agency anddate;
	3. Quantity dispatched/delivered to consignees anddate;
	4. Quantity where incidental services have been satisfactorily completed withdate;5. Quantity where rectification/repair/replacement effected/completed on receipt of any
	5. Quantity where rectification/repair/replacement effected/completed on receipt of any communication from consignee/Purchaser withdate;
	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
15	inspection, details required may also bespecified).
15.	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 orderacceptance.
	 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 testspecified. 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 shallalsobetheresponsibilityandatthecostoftheSupplier.
16.	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 andanystatutorymodificationsorre-enactmentsthereofshallapplytothearbitrationproceedings. The disputeshall bereferred to the Director, Indian Institute of Technology (IIT) Delhi and if he is unable or unwilling to arbitration of some other personappointed 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 disputes hall be settled in accordance with provisions of UNCITRAL (United
	NationsCommissiononInternationalTradeLaw)ArbitrationRules.
	Thevenueofthearbitrationshallbetheplacefromwheretheorderisissued.
17.	Applicable Law: The place of jurisdiction would be New Delhi (Delhi) INDIA.
18.	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.
19.	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.
20.	Training
	The Supplier is required to provide training to the designated Purchaser's technical and end user
21.	personnel to enable them to effectively operate the total equipment. Installation & Demonstration
21.	The supplier is required to done the installation and demonstration of the equipment within one
	monthofthearrivalofmaterialsattheIITDsiteofinstallation, otherwisethepenaltyclausewillbe
	thesameasperthesupplyofmaterials.
	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
22.	company as per his convenience. IITD will not be liable to any type of losses in any form.Insurance: For delivery of goods at the purchaser's premises, the insurance shall be obtained by the
22.	supplierin an amount equal to 110% of the value of the goods from "warehouse to 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/CIPbasis, the insurances hould be up to IIT Delhi.
23.	Incidental services: The incidental services also include:
	• Furnishingof01setofdetailedoperations&maintenancemanual.
	• 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.
24.	Warranty:
	(i) Warrantyperiodshallbe(asstatedatpage#1ofthistender)fromdateofinstallationofGoodsat 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
	asmaybenecessaryinordertoattainthecontractual guaranteesspecifiedintheContractatits own
	cost and expense and to carry out further performance tests. The warranty should be
	comprehensive onsite.
	(ii) The Purchaser shall promptly notify the Supplier in writing of any claims arising under this
	warranty.Uponreceiptofsuchnotice,theSuppliershallimmediatelywithinin02days

	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/goodsthereafter. The period for correction of defects in the warranty period is 02 days. If the supplierhaving 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 thecontract.
	 (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 satisfactory installation/commissioning of the equipment against the defect of any manufacturing, workmanship and poor quality of thecomponents. (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 theequipment.
25.	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.
26.	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.
27.	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'saddress. A notice shall be effective when delivered or on the notice's effective date, whichever is
	later.
28.	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 order.
29.	Duties
	IIT Delhi is exempted from paying custom duty under notification No.51/96 (partially orfull) 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 theInstitute,nocertificatewillbeissuedtothirdparty:
	a) Shippingdetailsi.e.MasterAirwayBillNo.andHouseAirwayNo.(ifexists)b) Forwarder details i.e. Name, Contact No.,etc.
	IIT Delhi is exempted from paying Excise Duty and necessary Excise Duty ExemptionCertificate will be provided for which following information are required.b) QuotationwithdetailsofBasicPrice,Rate,Tax&AmountonwhichEDisapplicable
	c) Supply OrderCopy
30.	 d) Proforma-InvoiceCopy. 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.
31.	Payment:
	 (i) 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 andconditions.
	 (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 restricteditems.
	(iv) All the bank charges within India will be borne by the Institute and outside India will be borne by theSupplier.
32.	User list: Brochure detailing technical specifications and performance, list of industrial and educational establishments where the items enquired have been supplied must be provided. (Ref. Annexure-III)
33.	Manuals and Drawings
	 (i) Before the goods and equipment are taken over by the Purchaser, the Supplier shall supply operation andmaintenancemanuals. These shall be insuch details as will enable the Purchaser tooperate, maintain, adjust and repair all parts of the works as stated in the specifications. (ii) The Manuals shall be in the ruling language (English) in such form and numbers as stated in
	 the contract. (ii) 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.
34.	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)
35.	 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-installationrequirements.
36.	 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 G iii. Intheeventofterminationofproductionofthespareparts: iv. Advance notification to the Purchaser of the pending termination, in sufficient thePurchasertoprocureneededrequirements; and v. Followingsuchtermination, furnishingatnocosttothePurchaser, theblueprints, dra specifications of the spare parts, ifrequested. Supplier shall carry sufficient inventories to assure ex-stock supply of consumal Goods, such as gaskets, plugs, washers, belts etc. Other spare parts and com 	
 iv. Advance notification to the Purchaser of the pending termination, in sufficient thePurchasertoprocureneededrequirements;and v. Followingsuchtermination,furnishingatnocosttothePurchaser,theblueprints,dra specifications of the spare parts, ifrequested. Supplier shall carry sufficient inventories to assure ex-stock supply of consumate 	time to permit
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Supplier shall carry sufficient inventories to assure ex-stock supply of consumat	iwingsand
	1 6 1
Goods, such as gaskets, plugs, washers, belts etc. Other spare parts and com	-
	ponents shall be
suppliedaspromptlyaspossiblebutinanycasewithinsixmonthsofplacementoforder.	
Defective Equipment : If any of the equipment supplied by the Tenderer is	
substandard, refurbished, un-merchantable or not in accordance with the descript	1
or otherwise faulty, the committee will have the right to reject the equipment	
prices of such equipment shall be refunded by the Tenderer with 18% interest i	
for such equipment have already been made. All damaged or unapproved goods	
at suppliers cost and risk and the incidental expenses incurred thereon shall be re- supplier. Defective part in equipment, if found before installation and/or during	
shall be replaced within 45 days on receipt of the intimation from this office at the	v 1 ,
supplier including all other charges. In case supplier fails to replace above item as	
& conditions, IIT Delhi may consider "Banning" thesupplier.	per above terms
Reconditions, IT Denn may consider Baining thesupplier. Result Result	
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:	by written notice
i. If the Supplier fails to deliver any or all of the Goods within theperiod(s)s	pecified
intheorder, orwithinanyextensionthereofgrantedbythePurchaser;or	peemea
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 f	raudulent
practices incompeting for or increase the sengaged in correct or increase of the sengaged in correct o	1444410111
• For the purpose of this Clause:	a of our thing of
i. "Corrupt practice" means the offering, giving, receiving or solicitin	
value to influence the action of a public official in the procureme	and process of m
contractexecution.	to influence o
contractexecution. i. "Fraudulent practice" means a misrepresentation of facts in order	
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 ii. "Fraudulent practice" means a misrepresentation of facts in order procurement process or the execution of a contract to the detriment and includes collusive practice among Bidders (prior to or after 	of the Borrower, bid submission)
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	at the supplier's cost.
42.	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.
43.	Compliancy certificate : This certificate must be provided indicating conformity to the technical
	specifications. (Annexure-I)
44.	"In case of CIF/CIP shipments, kindly provide the shipment information atleast 2 days in advance
	before landing the shipment alongwith 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/IndianAgent."

COMPLIANCE SHEET TECHNICAL SPECIFICATION

S. No	Features	res Technical Specifications						
1.	Substrate Size	Up to 200mm diameter, up to 5mm in thickness.	(Y/N)					
2.	Substrate Temperature Range	The substrate reaction temperature shall be from ambient to 350°C.						
3.	Deposition Uniformity	Deposition Uniformity of Al2O3 better than $\pm 2\%$ 1-sigma across the maximum substrate diameter.						
4.	Reaction Chamber Volume	For cost effective use of precursors and for optimized ALD practices it is preferred that the volume of the chamber is less than 0.5ltr; a crossflow chamber architecture is preferred to achieve this.						
5.	Reaction Chamber Material	Stainless steel (e.g. 304) and aluminum.						
6.	Material							
7.	Precursor Ports	System shall have four precursor ports (the carrier gas line is counted separately and is not one of the four); this number will be easily field-upgraded to a maximum of 6 ports (the carrier gas being counted separately). All of the system's precursor ports shall be interchangeably capable of solid, liquid or gaseous precursors and will not need to be pre-determined at system purchase time. The precursor route from vessel to reaction chamber shall be all metal seal.						
8.	Precursor Delivery	The system shall provide a short precursor path to the first coated/co-reacted surfaces, on the order 10cm maximum; for this, one single heated precursor manifold which is constantly purged is preferred, carrying both oxidants and precursors to provide internal preconditioning by coating inside the manifold; the system will utilize software safety interlocks. Manifold shall be separately heat controlled by the recipe from ambient to 200°C.						
		Precursor dosage control shall be by physical industry standard ALD valve under recipe control to 15ms minimum period. The system design shall be concise with maximised reliability and minimised maintenance complexity and cost, to this end, the standard precursor delivery shall meet all recipe requirements without the requirement for separate precursor pressure gauges or individual mass flow controllers (MFCs).						
9.	Precursors vessels	Industry standard 50ml precursor tanks with high temperature bellows manual valve shall be used by and delivered with the system. All precursor vessels should be individually heated and separately temperature controlled; each can be held at individual temperatures from ambient to 200°C.						

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		Precursor tanks shall be user-exchangeable in 5 minutes without	
		special tools. A detailed procedure will be attached with the	
		tender to demonstrate this point.	
10.	Plasma Source	To provide best radical flux in a small volume chamber, a	
		capacitively coupled plasma (13.56MHz) generation is preferred	
		with an ion filtration grid. The unit should have a automatching	
		network which can be operated up to 300W.	
11.	Plasma gas lines	The system should have three MFC controlled gas lines.	
12.	Cooling	No part of the system, or its options or peripherals, including the	
		plasma capability, shall use water cooling either full-time or part-	
		time; no water cooling shall be required.	
13.	Temperature Control	The temperature of the system heaters shall be PID controlled.	
14.	Deposition	The system shall be capable of extended precursor permeation	
	Requirements	time for a single precursor pulse for addressing High Aspect	
	•	Ratio (HAR) substrates up to equivalent of 2000:1. To minimize	
		precursor consumption it is preferred that no flowing of precursor	
		is required in order to coat HAR substrates. A stop-valve on a	
		single combined vacuum-reaction chamber is preferred to achieve	
		this objective.	
		The system shall provide separate independent temperature	
		setting by the recipe of each precursor cylinder, the manifold, the	
		substrate, the chamber deposition area, the chamber perimeter and	
		the ALD trap in the exhaust route.	
		The complete pumping line to and including the trap is heated to	
		prevent condensation.	
		The system will provide fail-safe operation with continuous self-	
		diagnosis. In case of malfunctions, a watchdog will turn off all	
		heaters and close all valves automatically.	
		For future advanced research, the system shall be able to deposit a	
		sequence of films to form nanolaminates or doped films of	
		different compositions and thickness, with the possibility of up to	
		five simultaneous organometallic precursors and one oxidant (in a	
		fully configured system) being available in parallel in any one	
		recipe without the need to change precursor cylinders during	
		recipe execution.	
15.	Electronics	It is preferred that all the system control electronics are housed in	
		a single replaceable control box in a dedicated bay separate from	
		gas box and with spare I/O capacity for future system expansion.	
16.	Electrical Requirements	The system shall be single phase and consume less than 3kVA of	
101		power in-cluding all options and ancillary units.	
17.	Software	The software shall be able to create process recipes and also	
		control the hardware interactively from the GUI.	
		The user software shall provide an interactive graphical user	
		interface with no requirement for a touch-screen.	
		The system shall be delivered with and utilize a dedicated PC	
		running an industry standard operating system, for example,	
		Windows. There shall be no requirement to network the PC.	
		Software must show the recipe, a system architecture graphic	
		showing set-point and actual temperatures and a live rolling	
		pressure graph simultaneously in one screen on the laptop.	
		System software shall include automatic data logging during run-	
		time and stand-by time; providing time-stamped recorded data	
		including:	
			1

		- System Event File					
		- Process Event File					
		- Heater Data File					
		- Pressure Data File					
		- Run Summary					
		- Run Report (including screen capture)					
		Recipes shall be user-created in a single screen with					
		representation of system architecture for convenient reference.					
		The graphical user interface shall provide live temperature set					
		points and actual temperature readings. Temperatures and valve					
		settings shall be set by the recipe or interactively on-screen by the					
18.	Recipes	The system users will have free access to the supplier's recipe					
10.		database on demand.					
19.	Self Assembling	The system shall have an optional specific capability to deliver					
17.	Precursors	precursors for Self Assembled Monolayers (SAMS) and to					
	1 recursors	deposit their films; this functionality must be easily field retro-					
		fitted after delivery of the main system. For dose control, the					
		capability shall be implemented with a heated accumulator and					
		pressure gauge separated from the precursor vessel by a recipe					
		controlled valve. The capability shall be recipe controlled with full bardware and software integration, fully uniformly based and					
		full hardware and software integration, fully uniformly heated and					
		shall utilize an industry standard 50cl precursor cylinder to					
		support economic precursor procurement. Proof of existence of					
		this optional hardware and software must be provided in the form					
		of at least 3 existing installations in the field, each of which is					
• •		over 12 months old.					
20.	Advanced Precursors	The system shall have an optional specific capability to deliver					
		precursors to the reaction chamber whose vapor pressure is down					
		to 0.01 Torr without heating to the decomposition temperature of					
		the precursor, and to deposit these films. This functionality must					
		be easily field retro-fitted after delivery of the main system. To					
		be credible this optional hardware must utilize a bubbler with a					
		full length dipped tube; it shall be fully recipe controlled; shall					
		have uniform heating of all its parts en-route to the ALD valve.					
		The maximum temperature of the bubbled precursor vessel shall					
		be 200°C. Proof of existence of this optional hardware and					
		software must be provided in the form of at least 3 existing					
		installations in the field, each of which is over 12 months old.					
21.	Investment Protection	• As well as the SAMS, Advanced Precursor and PLASMA	•				
		options mentioned above, the system will have the					
		following field upgradeable options:					
		1. Wafer batch processing for approximately 10					
		wafers.					
		2. 3-dimensional object coating for items up to					
		65mm high.					
		3. Particles Coating Option					
		4. Ozone Option, fully software integrated.					
		5. Two-stage stop valve (for use with small or light					
		substrates)					
		6. QCM real-time in-situ option, with crystal in					
		close proximity to the substrate,.					
		7. Ellipsometry real-time in-situ option at normal					
		unmonitored recipe speed.					
		 8. H2S Option. Supplier will have established hardware and user support 					
22.	Maintenance and	• Vermelian sevil la seva a stale li stale di la sudressa da si se se seven seven sut	•				

	Support	capability in India.	
		• Supplier will have a systematic solution for science	
		support from its own technical staff.	
23.	Safety Features	Built in safety features	
		- H2/O2 safety interlock	
		- Software safety interlocks	
		- Overpressure abort	
		- Over temp abort	
		- Faulty recipe entry warnings	
		- Continuous USB communication monitoring	
		For protection of the pump and the environment, the system will	
		include a high surface area ALD trap in the exhaust path,	
		integrated within the system to minimize footprint, and heated	
		under closed loop recipe control.	
24.	Other Requirements :	Cleanroom compatibility Class 100.	
	_	Compliance CE, TUV.	
		•	
		Installation and on-site user training.	
25.	Recognition	To ensure maturity and recognisability of the solution, supplier	
		will have in excess of 250 of the proposed systems installed in the	
		field, and the system must be referenced in over 500 published	
		peer reviewed papers. Pre-existing installations in India offers an	
		advantage.	
26.	Footprint	To optimize cost of ownership the footprint of the system is	
		preferred not to exceed 590mm wide x 590mm front-to-back not	
		including the pump or Ozone footprints.	
27.	Supply of systems	• Vendor should have supplied at least 5 Atomic Layer	
	in India	Deposition systems in India in the past 5 years	
	User Reference	• Detailed User reference list should be provided	
28.	List		

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

Signature of Bidder

Name: _____

Designation: _____

Organization Name: _____

Contact No. : _____

<< Organization Letter Head >> DECLARATION SHEET

We, _______hereby certify that all the information and data furnished by our organization with regard to this tender specification are true and complete to the best of our knowledge. I have gone through the specification, conditions and stipulations in details and agree to comply with the requirements and intent of specification.

This is certified that our organization has been authorized (Copy attached) by the OEM to participate in Tender.We further certified that our organization meets all the conditions of eligibility criteria laid down in this tender document. Moreover, OEM has agreed to support on regular basis with technology / product updates and extend support for the warranty. The prices quoted in the financial bids are subsidized 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.	NAME & ADDRESS OF THE Vendor/ Manufacturer / Agent
1 Phone	
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 Government Organizations for whom the Bidder has undertaken such work during last three years (must be supported with work orders)						
Name of the organization	Name of Contact Person	Contact No.				

List of Govt. Organization/Deptt.

Name of application specialist / Service Engineer who have the technical competency to handle and support the quoted product during the warranty period.							
Name of the organization	Name of Contact Person	Contact No.					

Signature of Bidder

Name:	
Designation: _	
Organization Name:	
Contact No. :	

Bid Submission

Online Bid Submission:

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

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.									
		Envelope – 2							
Sl. No.	Sl. No. TYPES Content								
1.	Financial Bid	Price bid should be submitted in PDF format.	.PDF						

Electrical Engineering Department Indian Institute of Technology Delhi Hauz Khas, New Delhi-

110016

Date:02/02/2017

Subject:Plasma-enhanced Atomic Layer Deposition System(Following format is used for importeditems)

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

For indigenous items please quote as per following format.

S.	Description and Specification of the	-		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.