

MATERIALS MANAGEMENT DIVISION

Powai, Mumbai 400076

Indian Institute of Technology Bombay invites competitive bids from interested bidders through e-procurement portal. To participate, bidders need to register themselves on our portal https://portal.iitb.ac.in/vrp/index.jsp. and generate user ID & password. For any queries, registered bidders may write to us on: srm@iitb.ac.in & drmm@iitb.ac.in or contact Tender Section, Materials Management Division, IIT Bombay, Powai, Mumbai - 400 076.

SECTION 1 – INVITATION FOR BIDS

1.	RFx No.	6100000192
2.	RFx Date	17 th October 2019
3.	Advt. No.	MMD - 14/19-20
4.	Item Description	Roll-to-Roll Set-up for Perovskite Solar Cell Fabrication
5.	Tender Type	Open (Advt)
6.	Number of Covers	Two Bid System
7.	Pre- Bid Meeting Date & Time	NA
8.	Pre-Bid Meeting Place	NA
9.	Bid Submission End Date & Time	As mentioned in the On-Line Tender
10.	Bid Opening End Date & Time	As mentioned in the On-Line Tender
11.	Bid Opening Place	Materials Management Division, Main Building, Ground Floor, IIT Bombay, Powai, Mumbai 400 076
12.	Warranty	One year from the date of successful installation/commissioning of equipment
13.	Period of Work/Delivery Period (in Days)	For Foreign Suppliers: Within 60 days from the date of opening of LC For Indigenous Suppliers: Within 30 days from the date of purchase order
14.	Contract Type	Tender
15.	Delivery Location	Dept. of Energy Science and Engineering, IIT Bombay
16.	Earnest Money Deposit	Earnest Money Deposit (EMD) of Rs. 3,25,000/- in the form of Bank Guarantee in the favour of 'The



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17.	NIT Document Details	Registrar, IIT Bombay' payable at Mumbai to be submitted in sealed envelope superscribing with RFx No. & due date at Materials Management Division, Gr. Floor, Main building, IIT Bombay, Powai, Mumbai-76 and should reach on or before due date mentioned in the online tender. Notice Inviting Tender includes the following
		documents:- 1) NIT Document 2) Technical Specification 3) Annexures 4) Format of EMD, PBG, Previous Supply Order Details, Undertaking for Bid Security/EMD
18.	Bidder's Document Details	Bidder needs to upload duly filled, stamped and signed documents as listed below to the "cFolder Attachment" option in the "Notes and Attachments" section which is located under "Rfx Information" tab. 1) NIT Document (mandatory) 2) Technical Bid Responses (mandatory) 3) Previous Supply Order Details 4) Annexures (mandatory) 5) EMD submission Proof/ Undertaking for Bid Security/ EMD (mandatory)
19.	Exemption in Duties/Taxes	This item is for research purpose hence Concessional Custom Duty / Concessional GST is applicable.
20.	Technical Clarification	Name: Prof. Shaibal K. Sarkar Dept: Dept. Of Energy Science and Engineering, IIT Bombay, Powai, Mumbai - 400076. Email: shaibal.sarkar@iitb.ac.in Contact No.: 022-2576 7846
21.	Any Other Clarification	Name : Joint Registrar (MM) Dept : Materials Management Division, Gr. Floor, Main Building, IIT Bombay, Powai, Mumbai-400 076 Email : drmm@iitb.ac.in /srm@iitb.ac.in Contact No.: 022-2576 8800
22.	Signing Authority	Joint Registrar (MM)



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SECTION 2: INSTRUCTIONS TO BIDDERS

1.	PREPARATION AND SUBMISSION OF OFFER
.1	Language of Bids: The bid as well as all the correspondence and documents related to bid, th bid exchanged between the bidder and IIT Bombay shall be in English Language.
.2	Online Bids are invited through Supplier Relationship Management (SRM) system. Response to the tenders is to be submitted electronically and No physical paper / print out needs to be submitted, except EMD. Bidders need to have login credentials for SRM Portal for participation in the tender. If a bidder who wish to participate in the tender is not presently enlisted with II's Bombay or not having login credentials can obtain the same through Registration on II Bombay Vendor Registration Portal by providing required details before the RFX submission deadline.
•3	For registration, bidders have to carry out TWO STAGE REGISTRATION –
	Stage 1) Vendor Registration and
	Stage 2) E-Tender Registration. After successful registration at both stages, bidders are qualified for applying for E-tendering. Detailed procedure of registration is given below:
	1.3.1 Stage No 1 - Vendor Registration
	Vendors are requested to register themselves as VENDOR of IITB by visiting the following lir and generate USER ID & PASSWORD: https://portal.iitb.ac.in/vrp/index.jsp
	Help for Vendor Registration : https://portal.iitb.ac.in/vrp/vrp-help.jsp
	1.3.2 Stage No 2 - E-Tender Registration After successful registration, login as a VENDOR on IITB Portal and click on the tab "Register for E-Tender". A request will be generated for IITB E-Tender Registration and will be processed to MDM team of IIT Bombay. After processing, the Login credentials for IITB E-Tender Portal will be sent your registered Email-ID. (Vendor registration & E-tender registration is one time activity hence kindly keep the Login credentials details for future bidding)
	1.3.3 Mandatory System Requirement for e-tendering (This is one time activity) Kindly go through the manuals for System Requirements for Online bidding. https://portal.iitb.ac.in/vrp/ERP_SRM_UserManuals/SRM-014_Tendering_Application_System_Requirements_V1.1.pdf



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	1.3.4 Extracting and Uploading Digital Signature
	Kindly go through the manuals for extracting and Uploading Digital Signature.
	https://portal.iitb.ac.in/vrp/ERP_SRM_UserManuals/SRM-016_Extract_Upload
	s a a Unionding of Online Bide
	1.3.5 Uploading of Online Bids
	Kindly go through the manual for submission of online response.
	https://portal.iitb.ac.in/vrp/ERP_SRM_UserManuals/SRM-oo8_Advertisement
	Click on the following link for E-tender: https://ep.iitb.ac.in/irj/portal
1.4	It is also mandatory for the bidders to be registered on Central Public Procurement Portal.
1.5	The bidder should read carefully & understand the tender document, procedure for e-tendering etc. completely before participating in the e-tender procedure. Participation in the e-tendering
	entails that the bidder(s) has/have read all the terms & conditions of contract etc. and agree/abide by them.
1.6	Digital Signature:
	1.6.1 The intending bidder must have valid class-III digital signature to submit the bid. The bid submitted online should be signed electronically with a class-III digital certificate to establish the identity of the bidder submitting the bid online. The bidders may obtain class III digital certificate issued by an approved certifying Authority authorised by the Controller of Certifying Authorities of India.
	1.6.2 Bidder is responsible for ensuring the validity of digital signature and it's proper usage by their employee.
	1.6.3 The bid including all uploaded documents shall be digitally signed by duly authorised representative of the bidding company.
1.7	Bidder should upload documents in PDF format.
1.8	Indian Agents and OEMs:
	1.8.1 It is mandatory for all Indian Agents to submit copy of Indian Agent Agreement / Authorisation letter from OEM / OEMs along with tender.
	1.8.2 In a 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. In case offers are received both from manufacturers as well as from their authroised agent, offers from their manufacturers only shall be considered.
	1.8.3 If an agent submits bid on behalf of the Principal/OEM, the same agent shall not submit a



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	bid on behalf of another Principal/OEM in the same bid for the same item/product.
	1.8.4 100% Subsidiary firm of foreign company in India cannot bid through Indian Agent/Distributor.
	1.8.5 It is mandatory for Indian Agents, Indian subsidiaries and Indigenous bidders to have GSTN Registration No. and should upload duly filled Bidders Information along with the tender document.
1.9	In case of Two bid system, the technical responses and all the required document to be uploaded in "cFolder Attachment" option under "Notes and Attachment" which is located under "Rfx Information Tab" and prices to be quoted in bidding engine.
1.10	No physical papers/prints need to be submitted except EMD proof.
1.11	If the warranty is not specifically mentioned in the Technical Specification by the bidder then warranty will be assumed as One year from the date of successful installation/commissioning of equipment.
1.12	In case of Import supplies, bidder has to mention the 'Nearest International Airport/ Port of Shipment'.
1.13	It is mandatory for bidders to specify the delivery period, otherwise standard delivery period will be considered from the date of issue of purchase order.
1.14	IIT Bombay discourages High Sea Sale purchase. All bids with High Sea Sale may be rejected.
1.15	Fax/E-mail/Telephonic offers will not be accepted.
2.	COST OF BIDDING
2.1	The Bidder shall bear all costs associated with the preparation and submission of its Bid and the Purchaser shall not be responsible or liable for those costs regardless of the conduct or outcome of the bidding process.
3.	VALIDITY OF THE OFFER
3.1	180 Days from the date of opening of the Technical bid.
4•	AMENDMENT OF BIDDING DOCUMENTS
4.1	At any time prior to the deadline for submission of bids, IIT Bombay may, for any reason, whether on its own initiative or in response to the clarification request by a prospective BIDDER may modify the bid document.



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4.2	All prospective BIDDERS who have downloaded the bidding document may visit IIT Bombay website for amendments / modifications which will be binding on them.
4.3	Corrigendum for extensions of due date or any other changes in the tender will be notified online through http://eprocure.gov.in/epublish/app and will not be published in newspapers.
5.	RFx OPENING PROCESS
5.1	Technical RFx responses(Technical Bid) will be opened at first instance in the system electronically in case of Two Bid System.
5.2	System allows opening of RFx response only after the specified due date and time. Officials Authorized for opening the technical bids shall open the RFx responses in the system.
5.3	Price Rfx responses (Price Bid) of such vendors whose bids are found to be technically qualified will be opened subsequently with prior intimation to qualified bidders.
6.	MODIFICATION OF BIDS
6.1	Bidders to ensure that response submission is done before submission deadline date & time RFx can be "withdrawn" and modified as long as submission deadline date and time is no lapsed. RFx response cannot be modified once submission deadline is over.
7•	DEADLINE FOR SUBMISSION OF BIDS
7.1	Timely submission of the bids is the responsibility of the bidders. Bidders should submit their bid on-line before closing of the tender date & time.
8.	EXTENSION OF BID SUBMISSION DATE
8.1	Normally no request for extension of bid closing date will be entertained. However, in case of any changes in the specifications, receipt of inadequate response or any other reasons, IITB may at its discretion, extend the bid closing date and/or time.
9.	EVALUATION
9.1	All the RFx shall be evaluated on the basis of landed cost at IIT Bombay which includes all taxed duties and other charges.



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10.(A)	PRICE BID (FOR IMPORT SUPPLIES)
10.(A).1	It is mandatory to quote price in FOB basis only in the bidding engine.
10.(A).2	The quantity mentioned in the tender can be increased or decreased to any extent depending upon the actual requirement.
10.(A).3	Prices should be quoted net of discount by the bidders.
10.(A).4	Bidders should select Go (G zero) Tax Code for imported items.
10.(B).	PRICE BID (FOR INDIGENOUS SUPPLIES)
10 . (B).1	Price quoted should be in Indian Rupees, free delivery at IIT Bombay Campus at site. (DDP)
10.(B).2	The quantity mentioned in the tender can be increased or decreased to any extent depending upon the actual requirement.
10.(B).3	Prices should be quoted net of discount by the bidders.
10.(B).4	Bidders should select relevant Tax Code for Indigenous items.
11.	CANCELLATION OF TENDER
11.1	Not withstanding anything specified in this bidding document, Purchaser / IIT Bombay at its sole discretion, unconditionally and without assigning any reason, reserves the right:
	11.1.1 To accept OR reject lowest bid or any other bid or all the bids.
	11.1.2 To accept any bid in full or in part.
	11.1.3 To reject the bid offer not confirming to the tenders terms.
	11.1.4 To give purchase preference to Public Sector undertakings when applicable as per Govt. Policy/ Guidelines.
11.2	The bids submitted by vendors which are conditional in nature will be summarily rejected.
12.	EARNEST MONEY DEPOSIT (EMD):
12.1	Earnest Money Deposit is mandatory and should be submitted at Materials Management
12•1	Division on or before the tender due date.
12.2	BIDDER shall deposit Earnest Money with the IIT Bombay through a confirmed Bank Guarantee
	issued by any Nationalised Bank as per Format 1.
12.3	The Earnest Money shall be valid upto a period of 180 days or the complete conclusion of the contractual obligations to the complete satisfaction of both the BIDDER and the BUYER whichever is later.



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12.4	No interest shall be payable by the BUYER to the BIDDER on Earnest Money for the period of its currency.
12.5	If successful bidder fails to submit the Performance Guarantee Bond within 15 days from the date of placing of Purchase Order/contract then purchase order/contract will be canceled and EMD will be forfeited.
12.6	EMD of a tenderer will be forfeited, if the tenderer withdraws or amends its tender or derogates from the tender in any respect within the period of validity of its tender. Further, if the successful tenderer fails to furnish the required performance security within the specified period, its EMD will be forfeited.
12.7	Bidder has to upload scanned copy of Bank Guarantee(BG) and Original BG shall be sent to Tender issuing authority through Post/Courier.
12.8	Only those physical BG instruments found matching with the copy submitted in the e-portal shall be considered as valid.
12.9	If needed, validity of BG should be extended by the vendor/ bank.
12.10	BG should be submitted as per enclosed Format only by the tenderer. Such BG should be submitted only in a sealed envelope of the issuing bank and should not be in open condition. If BG towards EMD is submitted in any manner other than as stated above, the tender is liable to be rejected.
12.11	If the original BG instrument is not received on or before mentioned due date and time as specified above, the bid shall be summarily rejected.
13.	EXEMPTION FROM SUBMISSION OF EMD
13.1	Bidders registered with any of the following agencies/ bodies as per Public procurement policy for Micro & Small Enterprises (MSE) order 2012 are exempted categories from payment of EMD provided that the registration certificate issued by any one of these below mentioned agencies must be valid as on close date of tender. Micro small or medium enterprises who have applied for registration or renewal of registration with any of these agencies/bodies but have not obtained the valid certificate as on close date of tender are not eligibile for exemption. i) Khadi and Village Industries Commission (KVIC) ii) National Small Industries Corporation (NSIC) iii) Any other body specified by Ministry of MSME/GOI
13.2	In place of EMD, Bidders may submit an undertaking for BID security , mandatory in enclosed Format 2.



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14.	PERFORMANCE GUARANTEE
14.1	Performance Guarantee Bond is mandatory.
14.2	Successful tenderer/ bidder should submit performance guarantee as prescribed above to be sent to Joint Registrar, Materials Management Division, IIT Bombay on or before 15 days from the due date of issue of order acknowledgment. The PBG to be furnished in the form of bank guarantee as per Format 3, for an amount covering 5% of the purchase order value.
14.3	The Performance Guarantee should be established in favour of "The Registrar, IIT Bombay".
14.4	PBG to be established through any of the National Banks (whether situated at Mumbai o outstation) with a clause to enforce the same on their local branch of Mumbai or any scheduled bank (other than national bank) situated at Mumbai. Bonds issued by co-operative banks will not be accepted.
14.5	Performance Guarantee Bond shall be for the due and faithful performance of the contract and shall remain binding, notwithstanding such variations, alterations for extensions of time as may be made, given, conceded or agreed to between the successful tenderer and the purchase under the terms & conditions of acceptance to the tender.
14.6	The successful tenderer is entirely responsible for due performance of the contract in letter and spirit and all other documents referred to in the acceptance of tenders.
14.7	The PBG shall be kept valid during the period of contract and shall continue to be enforceable for a period of one year/two years (as mentioned in the tender document) or upto warranty period whichever is later from the date of order acknowledgement. In case PBG needs extensions upto warranty period then supplier shall initiate extensions to PBG one month prior to expiry of PBG.
14.8	For successful suppliers, if PBG is not submitted within 15 days from the date of Orde Acknowledgment, then the Purchase Order will be cancelled with forfeiting of EMD.
14.9	No interest shall be payable by the buyer to the Bidder on PBG.
14.10	PBG clause is not mandatory for Consumables items valuing upto 2.5 lakhs .
15.	FURNISHING FRAUDULENT INFORMATION/ DOCUMENT
15.1	If it is found that a bidder has furnished fraudulent document/information, the bid security/performance security (wherever applicable) shall be forfeited and the bidder/vendo will be debarred for a period of 3 (three) years from date of detection of such fraudulent act besides the legal action. In case of major and serious fraud, period of debarment may be enhanced.



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16.	CONFIDENTIAL INFORMATION
16.1.	The bidder/seller shall treat as confidential all designs, drawings, data or information written or verbal, provided by IITB and shall use its best endeavors to ensure that such design, drawings, data or information is not divulged to any third party except with the consent of IITB where necessary for the purpose of performance of its obligation hereunder and subject to similar undertakings being obtained from such third parties to treat such design, drawings, data or information in like confidence.
17.	REASONABILITY OF PRICE
	Price quoted shall be the best competitive/minimum price applicable for a premier Educational and Research Institution. The bidder may be required to give details of at least two purchase orders identical or similar equipment, supplied to any IIT's/Research Institutions/ other organisations as and when required as per Format 4 (to be enclosed in technical bid) along with the final price paid and details.



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SECTION 3: CONDITIONS OF CONTRACT

1.	AWARD OF CONTRACT
1.1	IIT Bombay shall award the contract to the technically qualified eligible BIDDER whose bid has been determined as the lowest evaluated commercial bid.
1.2	If more than one BIDDER happens to quote the same lowest price, IIT Bombay reserves the right to award the contract to more than one BIDDER or any BIDDER.
2.	DUTIES AND TAXES
2.1	For Import Supplies – As per Govt. of India Notification No. 51/96 Custom dtd. 23rd July 1996, (Substituted under Notification No.43/2017 dtd.30th June 2017) Concessional Custom Duty is applicable to IIT Bombay for all purchases which are essential for <u>research</u> . We shall provide all the documents under this notification to enable you to clear the goods. Please state clearly that this certificate is required. The supplier shall pay and bear all other liabilities, taxes and duties not specifically agreed by the Purchaser in the contract. The Custom Duty Exemption Certificate will not be provided if quoted in Indian currency.
2.2	For Indigenous Supplies – As per Govt. of India Notification No. 47/2017-Integrated Tax (Rate) dt. 14.11.2017 and Notification No. 45/2017-Central Tax (Rate) dt. 14.11.2017, Concessional GST is applicable to IIT Bombay for all purchases which are essential for <u>research</u> . We shall provide all the documents under this notification to claim concessional GST whenever required. The supplier shall pay and bear all other liabilities, taxes and duties not specifically agreed by the Purchaser in the contract.
3.	PRE- INSTALLATION
3.1	Please also mention the pre-installation requirements for the equipment like ambient temperature, humidity, civil work, weather specifications, power specifications, etc. When items are provided full performance satisfaction should be demonstrated.
4.	INSTALLATION
4.1	BIDDER shall be responsible for installation / demonstration wherever applicable and for after sales service during the warranty period and thereafter as mentioned in the contract.
4.2	Installation demonstration to be arranged by the supplier free of cost and the same is to be done within 15 days of the arrival of the equipment at site.



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5.	TRAINING
5.1	The BIDDER should provide training for the operation and maintenance to the personnel of IIT Bombay on the offered equipment/machinery.
5.2	Wherever needed, our technical persons should be trained by the supplier at the project site. In case the person is to be trained at supplier's site abroad or in India it should be mentioned in the quotation clearly. The supplier should bear all the expenses for such training including 'to & fro' fares and lodging & boarding charges.
6 (A)	TERMS OF PAYMENT (FOR IMPORT SUPPLIES)
6 (A).1	100% Payment by Letter of Credit (90% payment will be released on receipt of documents without any discrepancies and balance 10% will be paid after satisfactory installation and commissioning). IIT Bombay do not pay any advance payment to party. Any request of Advance payment will be rejected summarily.
6 (A).2	Any request for change in payment terms and conditions will not be accepted. In case, if it is necessary to change payment terms and conditions then IIT Bombay will not pay any additional charges. If the above payment terms conditions are not acceptable then tender will be rejected.
6 (B)	TERMS OF PAYMENT (FOR INDIGENOUS SUPPLIES):
6 (B).1	Payment within 30 days from the date of delivery, installation and Acceptance Certificate of concerned Department / Section / Materials Management Division, IIT Bombay.
6 (B).2	Payment shall be made by NEFT/ RTGS or such other mode / electronic fund transfer offered by the Bank.
6 (B).3	IIT Bombay does not make advance payment to suppliers. Any request of Advance payment will be summarily rejected.
7.	LEGAL MATTER
7.1	All Domestic and International disputes are subject to Mumbai jurisdiction only.
8.	TRANSFER AND SUBLETTING
8.1	The seller shall not sublet, transfer, assign or otherwise part with the acceptance to the tender or any part thereof, either directly or indirectly, without the prior written permission of the Purchaser i.e. IIT Bombay.



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	FORCE MAJEURE			
9.	FORCE MAJEURE			
9.1	Force Majeure will be accepted on adequate proof thereof.			
10.	PENALTY/ LIQUIDATED DAMAGES			
10.1	Timely delivery is essence of the contract and hence in case of delay in delivery, liquidate damages at the rate of 0.5% of the price of the delayed consignment, for each week or pa whereof shall be levied and recovered subject to maximum of 10% of total purchase order value.			
10.2	.2 IIT Bombay reserves the right to cancel the order in case the delay is more than 10 we Penalties, if any will be recovered by forfeiting PBG at vendor's cost and risks.			
11.	SPECIFICATIONS AND SAMPLES			
11.1	The suppliers shall supply the stores in accordance with the specifications/ descriptions of stores given in the acceptance of tender. The Purchaser reserves the right to alter the description of stores including drawings given in the acceptance of tender. In the event of any such alteration resulting in any implication to the delivery schedule and price, such implication shall be mutually agreed between the Purchaser and supplier. In case certified sample has been issued by the Purchaser and the Specifications / Drawings also exist in the acceptance of tender then the certified sample will govern the supply to the extent of material, workmanship and finished product.			
12.	SUPERVISION OF ERECTION AND COMMISSIONING			
12.1	Successful BIDDER shall depute concerned specialist, for supervision of erection & commissioning of the machine to be carried out. The successful BIDDER shall make necessary arrangement at their own expenses for stay, transport and other expenses of their specialist during their stay in Mumbai which also includes imparting free of cost training to IIT Bombay personnel.			



2

Name of the Bidder

Address of the Bidder

INDIAN INSTITUTE OF TECHNOLOGY BOMBAY

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Annexure I - Bidders Information

(Bidder should duly fill and upload with technical bid)

3	PAN No.					
4	GSTIN No.					
5	State of GST Registration					
6	E-mail ID					
7	Contact Person's Name & Designation					
8	Mobile No.					
9	CPPP Email ID					
	Indian Agent's Information					
1	Name of the Indian Agent	Series in en marien				
2	Address of the Indian Agent					
3	PAN No. of Indian Agent					
4	GSTIN No. of Indian Agent					
5	State of GST Registration					
6	E-mail					
7	Contact Person's Name & Designation					
8	Mobile No.					
9	CPPP Email ID					



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Annexure II - Questionnaire

(Bidder should duly fill and upload with technical bid)

Sr. No.	Question	Compliance (Yes/No)
1.	Whether all the items specified in the technical specification has been compiled and have been quoted in the bidding engine.	
2.	Confirm that you have read all the instructions carefully and have complied with the instructions accordingly.	
3.	Whether you have mentioned the delivery period in the technical bid.	
4.	Whether you have mentioned warranty of the material in the technical bid.	
5.	In case of import supplies whether you have mentioned nearest international port of shipment in the technical bid (if not applicable please mention 'NIL').	

Signature and Seal of the Manufacturer /							
 Place:							
Date:							