



इन्क्यूबेशन सेन्टर
भारतीय प्रौद्योगिकी संस्थान पटना
INCUBATION CENTRE
INDIAN INSTITUTE OF TECHNOLOGY PATNA

बिहटा, पटना – 801106, बिहार, भारत
Bihta, Patna – 801 106, Bihar, INDIA

E-PROCUREMENT MODE

Tender Reference No.: ICIITP/MEITY/IC-15/2020-21 E-
tender for Supply of **Thermal cum Electron Beam
Evaporation Unit**

Documents to be submitted online only



INCUBATION CENTRE
INDIAN INSTITUTE OF TECHNOLOGY PATNA
Bihta, Patna – 801 106, Bihar, INDIA



Tender Reference No.: ICITP/MEITY/IC-15/2020-21

Date: 21.10.2020

Incubation Centre IIT Patna is in the process of purchasing following items(s) as per the details as given as under:

Name of the work	Supply of items mentioned in Annexure-I
Earnest Money Deposit	Rs.1,00,000.00 (Rupees One lakhs Only)
Warranty	05 Years
Delivery Schedule	08 (Eight) Weeks
EMD Submission: Bidder can submit their EMD in the form of DD/Bank Guarantee (for six months) in favour of Incubation Centre IIT Patna payable at Patna. The scan copy of the DD/Bank Guarantee can be uploaded on the CPP Portal as proof of submission of EMD. The original DD/Bank Guarantee must reach at below mentioned address within 05 days after last date of bid submission on CPP Portal.	
Submission of Bids Online: Interested parties may view and download the tender document containing the detailed terms & conditions from the website; https://eprocure.gov.in/eprocure/app	

1. Detailed Tender Documents may be downloaded from Central Public Procurement Portal (<https://eprocure.gov.in/eprocure/app>) and from our website (<http://www.iciitp.com>).
2. All details /document pertaining to the tender such as tender document, pre-bid report, corrigendum and any further updates will be available only on our website & also at CPP Portal.
3. **No manual bid will be accepted. All quotations (both technical & financial) should be submitted in the e-procurement portal only.**
4. Incubation Centre IIT Patna shall not be responsible for non-receipt of bid due to internet issues or any other reasons.

CRITICAL DATES

Publishing Date	21.10.2020 (05:00PM)
Document Download / Sale Start Date	21.10.2020 (05:00PM)
Bid Submission Start Date	21.10.2020 (05:00PM)
Last Date & Time of Submission of Bids (Technical & Financial Bid)	11.11.2020 (03:00PM)
Opening Date & Time of Technical Bids Online	12.11.2020 (03:30PM)
Address of Communication	The Manager, Incubation Center, IIT Patna, Block-6,4th Floor, IIT Patna Campus, Amhara Road, Bihta, Patna, Bihar- 801103 Phone: 06115-233 546
For taking technical assistance regarding bid submission, if any	CPP Portal Website: https://eprocure.gov.in Help Desk Number 0120-4200462, 4001002, 4001005 and 4001005.

**Vice-President,
IC IIT Patna**

Technical Specification

Thermal cum Electron Beam Evaporation Unit (Qty. – 01)

Incubation Centre, IIT Patna is looking for a stand-alone high-end Thermal Evaporation System with e-beam attachment having following specifications:

S No.	Description	Specifications
1	Chamber Type: Belljar	<ul style="list-style-type: none"> ❖ Approximate Size: 300 mm (Dia) x 400 mm (H) ❖ L Gasket should be provided for sealing the bell jar ❖ Should be designed for high vacuum 1×10^{-6} mbar ❖ Lifting mechanism should be provided for the bell jar ❖ Ports for view, Vacuum pumping, Substrate Heater Assembly, etc., should be provided
2	Base Plate	<ul style="list-style-type: none"> ❖ Material of Construction: Stainless Steel ❖ Ports for DTM Feedthrough, E-beam gun assembly, mechanical feedthroughs, electrical feedthroughs, etc., should be provided
3	Vacuum Pumps	<ul style="list-style-type: none"> ❖ Rotary Vacuum Pump with pumping speed of 350 lpm with built in anti-suck back valve should be used as backing to Turbo pump. ❖ The entire evaporator will be housed in a Class Clean Labs. The supplied Rotary vacuum pump should be either clean lab compatible or it should have sufficient provisions to keep it outside the clean lab, at a distance of about 3 meters at the other side of panel. Suitable hole will be made to pass the connecting bellow. ❖ Turbo pump of 600 lps or more should be integrated to the backing pump with necessary fittings, plumbing line for evacuating chamber in the range of 10^{-6} mbar.
4	Vacuum Gauges	<ul style="list-style-type: none"> ❖ Two numbers of Digital Pirani Sensors having measuring range from atmosphere to 10^{-3} mbar should be provided with display unit and cables for measuring roughing and backing vacuum level. ❖ One number of Digital Penning Sensor having measuring range from 10^{-3} mbar to 10^{-6} mbar should be provided with display unit and cables for measuring high vacuum level.
5	Vacuum Valves	<ul style="list-style-type: none"> ❖ Manually operated 1" inch size quarter swing butterfly type valves made of SS Material with o ring seals should be provided for backing and roughing operations. ❖ Manually operated 6" size high vacuum butterfly valve made of SS material with o ring seals should be provided for isolation purpose.

6	Vacuum Lines	<ul style="list-style-type: none"> ❖ Roughing and backing lines should be made of stainless steel material ❖ 1" flexible hoses made of SS with KF fittings should be provided for connecting purpose. ❖ Roughing and Backing Valves should be fixed on the vacuum lines with adapters.
7	Liquid Nitrogen Trap	Made of stainless steel material and incorporated before High Vacuum Valve
8	Vacuum Collar	Collar should be provided on top of the high vacuum valve. Pirani Sensor, Penning sensor and roughing valve should be fixed on this collar.
9	Valves	<ul style="list-style-type: none"> ❖ Control Needle Valve should be provided for controlling the flow of gas. ❖ Vent valve should be provided for venting the chamber.
10	Substrate Heater	<ul style="list-style-type: none"> ❖ Substrate Heater made of Kanthal element should be provided to raise the temperature of the substrate to achieve max. temperature of 400⁰ Centigrade. ❖ Heater Size : 70 / 100 mm dia approximately ❖ A low voltage / high current transformer, SSR, PID Controller and K type thermocouple should be provided. ❖ Temperature measurement should be facilitated at the surface of substrate holder where the actual substrates are attached. ❖ Max. Power: 500 Watts or more
11	Substrate Holder with Rotation Mechanism	<ul style="list-style-type: none"> ❖ Substrate Holder should be provided for placing the samples of small sizes. (Feasibility of at least 10 number of samples of 20x20 mm² in a batch). ❖ Sufficient number of spring clips should be provided for holding samples. ❖ Rotation Mechanism should be provided to the substrate holder for achieving better uniformity during deposition.

12	Electron Beam Gun source 4 pocket with 3 kw Power Supply	<ul style="list-style-type: none"> ❖ Electron Beam Gun 4 Pocket with 4 cc volume crucibles ❖ 5kV, 600mA output ❖ Beam Deflection: 270⁰ ❖ X-Y Beam Sweep Controller with independent control in both X and Y direction of <ul style="list-style-type: none"> ▪ Beam Position ▪ Beam Sweep Frequency ▪ Beam Sweep Amplitude, etc., ❖ Water cooling ❖ Quick release electron emitter assembly ❖ Motorized turret indexer for the electron beam source. Should enable any of the four crucibles to be selected from the control panel. Complete with rotary feed through baffle plate, drive indexing mechanism and Controller ❖ 3 kw Electron Beam Power Supply comprising a free standing power supply module and remote mounting, gun control panel. ❖ Feedthrough kit with two high voltage feed throughs, dual water feed through, flexible water pipes and water connection should be provided
13	Evaporation Source Holder	Two evaporation source holders should be provided for holding filaments / baskets / boats
14	LT Electrode Assembly	<ul style="list-style-type: none"> ❖ Two sets of LT feed throughs made of electrolytic copper with power supply should be provided. ❖ It should be derived from individual LT transformers having capacity of 200 Amps @ 10 volts (OR) & 100 Amps @ 20 volts. ❖ Change Over Switch should be Provided
15	HT Assembly (Ion Cleaning)	<ul style="list-style-type: none"> ❖ One HT Electrical feed through to carry power for ion cleaning should be provided. ❖ A bar type ion bombardment gadget is fixed on the feedthrough to provide a uniform glow discharge ❖ A 5000 Volts DC Open circuit, 3500 Volts @ 50mA high resistance type transformer and solid state bridge rectifier should be provided.

16	LT / HT Current Control Meters	<ul style="list-style-type: none"> ❖ Selector switch for LT & HT should be provided. ❖ Separate digital panel meters should be provided for LT / HT Primary current and LT Secondary current through current transformers.
17	Source Shutter	<ul style="list-style-type: none"> ❖ Manually operated source shutter with rotary shaft seal should be provided to cover / uncover the evaporation source.
18	Housing Cabinet	<ul style="list-style-type: none"> ❖ All the above components should be housed in an aesthetic MS powder coated cabinet with a front panel for mounting gauges, etc. ❖ Accessories such as Digital Thickness Monitor, Heater control, Rotary Drive control etc., should be mounted on the same front panel to enable operational comfort. ❖ The valve control knobs should be provided on the front of the frame, below the chamber for operation of High Vacuum Valve, Roughing & Backing valve ❖ Right, left and rear side of the frame should have a door for easy servicing and maintenance. ❖ Front half bottom side of the frame for easy servicing ❖ Unit should be mounted on 4 caster wheels with locks for mobility.
19	Interlocks & Safety Devices	<ul style="list-style-type: none"> ❖ Vacuum Pumps should be wired through circuit breakers ❖ Water flow switch in the water circulation line ❖ Thermostat switch should be fitted to the water-cooling coils of the diffusion pump protects excessive heating by switching off the heater ❖ Overload protection device are required for vacuum pump motor and diffusion pump ❖ A vacuum switch should be connected in the LT/HT line so that this power supply cannot be energized without achieving the vacuum in the chamber, thereby avoiding switch ON HT without chamber in position / vacuum ❖ An electrical circuit breaker in the LT/HT Power supply line protects these against over-load or shorting.
20	Leak Testing	<ul style="list-style-type: none"> ❖ System must be leak tested using Helium Leak Detector to a leak rate of 1×10^{-9} std. cc
21	Buffing	<ul style="list-style-type: none"> ❖ All stainless-steel items must be buffed to bright finish for achieving better vacuum

22	Pre-Dispatch Inspection	❖ System must be offered for inspection before dispatch. IC representative may visit and inspect the system before dispatch if required (or) can be dispatch system without Pre-Dispatch Inspection after approval from our end.
23	Ultimate Vacuum	❖ Offered unit must achieve an ultimate vacuum of at least 2×10^{-6} mbar in clean, cool, empty degassed condition. ❖ With liquid nitrogen the system must achieve an ultimate vacuum in the order of $\leq 2 \times 10^{-6}$ mbar or better.
24	Operation & Maintenance Manual	❖ Operation & Maintenance Manual should be provided with the system.
25	Water Chiller Unit	1 TR (or more) Chiller unit should be provided for cooling the various parts of the system.
26	Digital Thickness Monitor Assembly	Digital Thickness Monitor with Crystal sensor, feed through, cables should be provided inside the chamber for measuring the coated thickness on the substrate during deposition
27	Warranty	5 Years on the entire system.
28	Optional Items (Consumables) (to be quoted separately for set of minimum quantity available)	(i) Gold wire 99.99% pure- diameter ~ 2mm (ii) Silver wire 99.99% pure- diameter ~ 2mm (iii) Aluminum wire 99.99% pure- diameter ~ 2mm (iv) Carbon / Graphite rods (impurity level of 2ppm or less) diameter ~ 2 mm (v) 200 Amps Moly Boats (vi) 200 Amps Tungsten Filaments (vii) 200 Amps Tungsten Baskets (viii) Graphite Crucibles for Electron Beam Gun (ix) Moly Crucibles for Electron Beam Gun
29	Optional Items (spares) (to be quoted separately for set of minimum quantity available)	(i) Set of O Rings (ii) DTM Quartz Crystals (iii) Vacuum grease 1 pack (iv) Metal wire cutter (dedicatedly to be used for cutting the Au, Ag, Al wires only)

INSTRUCTIONS TO THE TENDERERS

The tender shall be submitted in accordance with these instructions and any tender not conforming to the instructions as under is liable to be rejected. These instructions shall form the part of the tender and the contract.

1. 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 copies of their bids electronically on the CPP Portal, using valid Digital Signature Certificates.
2. More information useful for submitting the online bids on the CPP Portal is available/ obtained at [URL:http://eprocure.gov.in/eprocure/app](http://eprocure.gov.in/eprocure/app)
3. For Registration, 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”. Enrollment on the CPP Portal is free of charge.
4. Foreign Bidders have to refer “DSC details for foreign Bidders” for Digital Signature Certificate requirements which comes under Download Tab at <http://eprocure.gov.in/eprocure/app?page=Standard Bidding Documents &service=page> and the remaining part is same as above and below.
5. While submitting the tender, if any of the prescribed conditions are not fulfilled or are incomplete in any form, the tender is liable to be rejected. If any tenderer stipulate any condition of his own, such conditional tender is liable to be rejected.
6. Incubation Centre IIT Patna reserves the right to reject any tender/bid wholly or partly without assigning any reason.
7. The technical committee constituted by the Incubation Centre IIT Patna shall have the right to verify the particulars furnished by the bidder independently.
8. Tenderer shall take into account all costs including installation, commissioning, cartage etc. for giving delivery of material at site i.e. Incubation Centre IIT Patna before quoting the rates. In this regard no claim for any extra payment for any reason shall be entertained.
9. The item should be delivered at Incubation Centre IIT Patna, Kanpa Road, Bihta, Patna-801106, Bihar, INDIA and the supplier shall be responsible for any damage during the transit of goods.
10. All the tender documents & price bid to be uploaded as per this tender are to be digitally signed by the bidder.
11. Interested bonafide and reputed manufacturers/India agents (on behalf of their foreign principals) may submit Online bids for each of the above equipment along with all requisite documents and scanned copy of Tender Fee / EMD submission reference.
12. The Bidder(s) may note that ONLINE BIDS will ONLY be accepted. All the requisite supporting documents mentioned in the bid document should and must be uploaded On-line <http://eprocure.gov.in/eprocure/app>. The Bids sent through FAX, E-mail, by hand and/or by post shall not be accepted/ processed, in any case.
13. The bidders may submit duly filled and completed bidding document ONLINE as per instruction contained in the bidding documents. Incomplete bid shall be rejected. The conditions of tender shall be governed by the details contained in complete bid document.
14. In case, holiday is declared by the Government on the day of opening the bids, the bids will be opened on the next working day at the same time. Incubation Centre IIT Patna reserves the right to accept or reject any or all the tenders.
15. The detailed instruction for Online submissions of bid(s) through e-Procurement module of Central Public Procurement of NIC, the bidder(s) may visit the following link:- <http://eprocure.gov.in/eprocure/app?=HelpForContractors&service=page>

INSTRUCTIONS FOR ONLINE BID SUBMISSION

(Department User may attach this Document as an Annexure in their Tender Document which provides complete Instructions for on line Bid submission for Bidders)

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: <https://eprocure.gov.in/eprocure/app>.

REGISTRATION

- 1) Bidders are required to enroll on the e-Procurement module of the Central Public Procurement Portal (URL: <https://eprocure.gov.in/eprocure/app>) by clicking on the link "Online bidder Enrollment" on the CPP Portal which 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 III Certificates with signing key usage) issued by any Certifying Authority recognized by CCA India (e.g. Sify / 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 DSC"s 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 / e-Token.

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 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 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 take into account 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/JPG formats. Bid documents may be scanned with 100 dpi with black and white option which helps in reducing size of the scanned document.

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" or "Other Important Documents" 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.

Note: My Documents space is only a repository given to the Bidders to ease the uploading process. If Bidder has uploaded his Documents in My Documents space, this does not automatically ensure these Documents being part of Technical Bid.

SUBMISSION OF BIDS

1) Bidder should log into the site well in advance for bid submission so that they can 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 tender document.

3) Bidder has to select the payment option as "offline" to pay the tender fee/ EMD as applicable and enter details of the instrument.

4) Bidder should prepare the EMD as per the instructions specified in the tender document. The original should be posted/couriered/given in person to the concerned official, latest by the last date of bid submission or as specified in the tender documents. The details of the DD/any other accepted instrument, physically sent, should tally with the details available in the scanned copy and the data entered during bid submission time. Otherwise the uploaded bid will be rejected.

5) Bidders are requested to note that they should necessarily submit their financial bids in the format provided and no other format is acceptable. If the price bid has been given as a standard BoQ format with the tender document, then the same is to be downloaded and to be filled by all the bidders. 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 be rejected.

6) 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.

7) 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. Any bid document that is uploaded to the server is subjected to symmetric encryption using a system generated symmetric key. Further this key is subjected to asymmetric encryption using buyers/bid opener's public keys. Overall, the uploaded tender documents become readable only after the tender opening by the authorized bid openers.

8) The uploaded tender documents become readable only after the tender opening by the authorized bid openers.

9) Upon the successful and timely submission of bids (i.e. after Clicking “Freeze Bid Submission” in the portal), 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.

10) The bid summary has to be printed and kept as an acknowledgement of the submission of the bid. This acknowledgement may be used as an entry pass for any bid opening meetings.

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.

SPECIAL TERMS AND CONDITIONS

1. Original manufacturer or their authorized dealers are eligible to take part in the tender.
2. Dealer should attach an authorization letter from the OEM.
3. Existence of the firm in market should be from last 10 years or more.
4. Service should be available at least for 10 years from the date of installation.
5. At least five or more systems of the offered make should be installed in India.
6. Vendor must have a proven track record of having supplied similar equipment's in reputed institutes like IIT, NIT, IISc etc
7. The bidder should provide a complete user list along with name and contact details of the users, using the offered make and model.
8. Assurance of quality service within warranty period
 - a. The vendor must respond within 48 hrs of reporting of a problem.
 - b. The problem must be resolved within 2 weeks, in case there is no major replacement. The major problems need to be certified by the experts from IC, IITP.
 - c. The no. of weeks more than the allowed ones in case of minor problems as mentioned above, as well as the additional no. of weeks taken by the vendor in bringing the accessories in case of major replacements should be topped up in warranty period.
9. The vendor should submit a separate document mentioning the installation requirements and the user obligations during the installations. There should not be undisclosed amount of expenditure the user need to incur during installation.

GENERAL TERMS AND CONDITIONS

01. **Rates:** Rates quoted for items must be on F.O.R basis for Incubation Centre IIT Patna, on **DOOR DELIVERY** Basis, with break up as per details given in BoQ.
02. **Validity:** The validity period of the offer should be clearly specified. It should be at least for 120 days from the last date of submission of quotations.
03. **Warranty/Guarantee:** The material is quoted with a minimum onsite Warranty/Guarantee period of 05 years after the date of delivery, installation and acceptance at final destination.
04. **EMD:** EMD should be submitted in the form of DD/Bank Guarantee (for six months) in favour of Incubation Centre IIT Patna payable at Patna. The original DD must reach at above mentioned address within 05 days after last date of bid submission on CPP Portal.
05. **Delivery:** Unless otherwise stated delivery of goods shall be at Incubation Centre IIT Patna and will have to be effected maximally within **08 (Eight) weeks** from the date of issue of the Purchase Order. All aspects of safe delivery shall be the exclusive responsibility of the vendor.
06. **GST Certificates & TDS:** Scanned Copy of GST Certificate must be uploaded with technical bid. Appropriate GST deduction at source will be applicable.
07. **Dealership Certificate:** Dealership certificate (in case of authorised dealers) and standard Technical literature on the offered products must be uploaded with technical bid.
08. **Performance Guarantee:** 10% in the form of Bank Guarantee/ Fixed Deposit of the total order value needs to be submitted for such period as to cover two months beyond the warranty period for any order for equipments of more than Rs.1 Lakh. In case of non-submission of BG/FD, an equivalent amount will be retained while payment till the above mentioned duration.
09. **Late and delayed quotation:** Late and delayed quotations will not be considered. In case any unscheduled holiday occurs on prescribed closing/opening date, the next working day shall then automatically be the prescribed date of closing/opening of the quotation with no change in timing.
10. **Ground for Rejection of Quotation:** The quotations are liable to be rejected if the foregoing conditions are not complied with. The quotation should be complete in all respects if a firm quotes NIL charges / consideration, the bid shall be treated as unresponsive and will not be considered. The quotations shall be rejected if the information, on the outer cover of the bid, is not provided in the format given in the table in Page 1.
11. **Payment:** Payment will be made within 30 days from the date of successful delivery and acceptance of goods at Incubation Centre IIT Patna/ successful installation in case of machinery, equipments or the likes, generally through RTGS / FUND TRANSFER. Following information must be clearly written in the uploaded bank details for RTGS / FUND TRANSFER: -
 - (a) Name of the Firm with complete postal address
 - (b) Name of the Bank with Branch where the Account exist
 - (c) IFSC CODE
 - (d) ACCOUNT No
 - (e) PAN No
 - (f) GST/TIN No
12. **Liquidated Damage:** If a firm accepts an order and fails to execute the order in part or in full, as per the terms and conditions stipulated in the Purchase Order, it will be open to the institute to recover the liquidated damages from the firm at the rate of 0.5% per week of the order value subject to a maximum of 10% of the order value. It will also be open to the institute alternatively, to arrange procurement of the required stores from any other source at the risk and expense of the defaulter firm/vendor, which accepted the order but failed to execute the order according to the stipulated agreed upon. Defaulter vendor(s)/ firm(s) are also liable for blacklisting.
13. **Termination for default:** Default is said to have occurred
 - (a) If the supplier fails to deliver any or all of the goods/ items/ services within the time period(s) specified in the purchase order or any extension thereof granted by Incubation Centre IIT Patna.
 - (b) If the supplier fails to perform any other obligation(s) under the contract
 - (c) If the vendor, in either of the above circumstances, does not take remedial steps within a period of 30 days after receipt of the default notice from IIT (or takes longer period in spite of what IIT may authorize in writing), IIT may terminate the contract / purchase order in whole or in part. In addition to above, IIT may at its discretion also take the following actions: IIT may procure, upon such terms and in such manner, as it deems appropriate, goods similar to the undelivered items/products and the defaulting

supplier shall be liable to compensate IIT for any extra expenditure involved towards goods and services to complete the scope of.

14. Applicable Law:

(a) The contract shall be governed by the laws and procedures established by Govt. of India, within the framework of applicable legislation and enactment made from time to time concerning such Commercial dealings / processing, as may be applicable upon Incubation Centre IIT Patna.

(b) All disputes are subject to exclusive jurisdiction of Competent Court and Forum in Patna, India only.

(c) Any dispute arising out of this purchase shall be referred to the Vice-President, Incubation Centre IIT Patna, and if either of the parties hereto is dissatisfied with the decision, the dispute shall be referred to the decision of an Arbitrator, who should be acceptable to both the parties, (to be appointed by the Director of the Institute). The decision of such Arbitrator shall be final and binding on both the parties.

15. The acceptance of the quotation will rest solely with the Vice-President, Incubation Centre IIT Patna, who in the interest of the Institute is not bound to accept the lowest quotation and reserves the right to himself to reject or partially accept any or all of the quotations received without assigning any reason(s).

16. **Important:** The President may accept or reject any or all the bids in part or in full without assigning any reason and doesn't bind himself to accept the lowest bid. The institute at its discretion may change the quantity / upgrade the criteria / drop any item, at any time before placing the Purchase Order.

17. **Force Majeure:** The Supplier shall not be liable for forfeiture of its performance security, liquidated damages or termination for default, if and to the extent that, its delay in performance or other failure to perform its obligations under the Contract is the result of an event of Force Majeure.

(i) For purposes of this Clause, "Force Majeure" means an event beyond the control of the Supplier and not involving the Supplier's fault or negligence and not foreseeable. Such events may include, but are not limited to, acts of the Purchaser either in its sovereign or contractual capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions and freight embargoes.

(ii) If a Force Majeure situation arises, the Supplier shall promptly notify Incubation Centre IIT Patna in 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 as is reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event.

18. The in general Printed conditions of supply of the firm, if any, will not be binding on the Institute.

TENDER ACCEPTANCE LETTER
(To be given on Company Letter Head)

To,
The Manager,
Incubation Center,
IIT Patna, Block-6,4th Floor,
IIT Patna Campus,
Amhara Road, Bihta, Patna, Bihar- 801103
Phone: 06115-233 546

Sub: Acceptance of Terms & Conditions of Tender.

Tender Reference No.: _____

Name of Tender / Work:-

Dear Sir/Madam,

1. I / We have downloaded / obtained the tender document(s) for the above mentioned "Tender / Work" from the website(s) namely:

as per your advertisement, given in the above mentioned website(s).

2. I / We hereby certify that I / We have read the entire terms and conditions of the tender documents from Page No. _____ to _____ (including all documents like annexure(s), schedule(s), etc.), which form part of the contract agreement and I / we shall abide hereby by the terms / conditions / clauses contained therein.
3. The corrigendum(s) issued from time to time by your department / organizations too have also been taken into consideration, while submitting this acceptance letter.
4. I / We hereby unconditionally accept the tender conditions of above mentioned tender document(s) / corrigendum(s) in its totality / entirely.
5. I / We do hereby declare that our Firm has not been blacklisted / debarred by any Govt. Department / Public Sector Undertaking.
6. I / We certify that all information furnished by our Firm is true & correct and in the event that the information is found to be incorrect/untrue or found violated, then your department / organization shall without giving notice or reason thereof or summarily reject the bid or terminate the contract, without prejudice to any other rights or remedy including forfeiture of the full said EMD absolutely.

Yours Faithfully,

(Signature of the Bidder, with Official Seal)

LIST OF DOCUMENTS TO BE UPLOADED WITH TECHNICAL BID

1. Scanned copy of bank details for NEFT/ RTGS on letter head.
2. Scanned copy of self-declaration of original manufacturer or authorized dealership certificate from OEM.
3. Scanned copy of certificate of GST.
4. Scanned copy of tender acceptance letter. (Annexure-V)
5. Scanned copy of DD/Bank Guarantee (against EMD) / Tender Fee submission or exemption certificate for the same.
6. Scanned copy of detailed technical specification & brochure (if any).
7. Unpriced BoQ with the names and part numbers of all components as given in Annexure – IX.
8. Document evidence to show compliance to clause 3, 5, 6 &7 of special term and condition.
9. Undertaking showing willingness to comply to clause 8 of special term and condition.
10. Submit a document mentioning the installation requirement and user obligation during the installation, clause 9 of special term and condition.

(Please note that no indication of the rates/ amount be made in any of the documents submitted with the technical bid)

INSTRUCTION RELATED PRICE BID

PRICE BID –

A. Schedule of price bid in the form of BOQ format:

1. The below mentioned Financial Proposal / Commercial bid format as given in Annexure-VIII is provided as BOQ along with this tender documents at <https://eprocure.gov.in/eprocure/app>
2. **Bidders are advised to download this BOQ.xls** as it is and quote their offer / rates in the permitted column and upload the same in the commercial bid.
3. Bidder shall not tamper / modify the downloaded price bid template in any manner. In case if the same is found to be tampered/ modified in any manner, tender will be completely rejected and EMD shall be forfeited.
4. Any element of cost, taxes, duties levies etc. not specifically indicated in the BOQ, shall not be paid by the purchaser. **If GST amount / FOB / FCA charges is not quoted in the BOQ (Financial Bid), the total cost will be treated as inclusive of GST amount / FOB / FCA charges. No further communication will be entertained later or else the EMD will be forfeited.**
5. The tender shall remain valid for acceptance for **120 days**, from the date of tender opening.

B. Break-up of price in PDF format:

The break-up of price for each item should be given in PDF format (Signed Scanned Copy) with details of components with individual prices, post warranty period AMC charges and optional accessories, if any in the format provide as Annexure-IX.

NUMBER #	TEXT #	NUMBER #	TEXT #	TEXT #	NUMBER #	NUMBER	NUMBER	NUMBER #	NUMBER #	TEXT #
Sl. No.	Item Description	Quantity	Units	Quoted Currency in INR / Other Currency	BASIC RATE In Figures To be entered by the Bidder in Rs. P	GST rate in percentage	GST Amount for 1 set in Rs. P	TOTAL AMOUNT Without Taxes in Rs. P	TOTAL AMOUNT With Taxes	TOTAL AMOUNT In Words
1	2	4	5	12	13	14	15	53	54	55
1	Thermal cum Electron Beam Evaporation Unit		1 Nos	INR			0.00	0.00	0.00	INR Zero Only
Total in Figures								0.00	0.00	INR Zero Only
Quoted Rate in Words		INR Zero Only								

Validate

Print

Help

Item Rate BoQ

Tender Inviting Authority: Vice-President, Incubation Centre, IIT Patna

Name of Work: Supply of Thermal cum Electron Beam Evaporation Unit

Contract No: ICITPMEITYIC-15/2020-21

Name of the Bidder Bidding Firm / Company :

PRICE SCHEDULE

(This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevant columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and Values only)

Format for Breakup of Price/Bill of Quantity

Sl. No.	Name of Item	Make	Model	Unit	Quantity	Rate	GST (%)	Amount
1								
2								
3								
4								
5								
6	Essential Item 1							
7	Essential Item 2							
8	Essential Item 3							
9	Essential Item 4							
10	Essential Item 5							
Total basic amount for Thermal cum Electron Beam Evaporation Unit (As in cell no. BA13 of BOQ)								
Total GST Amount								
Grand Total Amount								
11	Optional Item 1							
12	Optional Item 2							
13	Optional Item 3							
14	Optional Item 4							
15	Optional Item 5							
16	Charges for Comprehensive Warranty of the Thermal cum Electron Beam Evaporation Unit after 05 years.*							
17	Charges for Non-comprehensive Warranty of the Thermal cum Electron Beam Evaporation Unit after 05 years.*							

*Quoted price will not be included in comprehensive statement for determining the L-1.