



भारतीय प्रौद्योगिकी संस्थान पटना
INDIAN INSTITUTE OF TECHNOLOGY PATNA

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

E-PROCUREMENT MODE

Tender Reference No.: IITP/S&P/EPR/1/CE-320/2020-21
E-tender for Supply of **Bench-scale single-axis motion simulator (Shake Table)**.

Documents to be submitted online only



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Bihta, Patna – 801 106, Bihar, INDIA

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Date: 18.02.2021

Indian Institute of Technology 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
Warranty	03 Years
Delivery Schedule	04 Weeks

1. Detailed Tender Documents may be downloaded from Central Public Procurement Portal (<https://eprocure.gov.in/eprocure/app>) and from our website (<https://www.iitp.ac.in/>).
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. IIT Patna shall not be responsible for non-receipt of bid due to internet issues or any other reasons.

CRITICAL DATES

Publishing Date	19.02.2021 (10:00AM)
Document Download / Sale Start Date	19.02.2021 (10:00AM)
Bid Submission Start Date	19.02.2021 (10:00AM)
Last Date & Time of Submission of Bids (Technical & Financial Bid)	05.03.2021 (03:00PM)
Opening Date & Time of Technical Bids Online	08.03.2021 (03:30PM)
Address of Communication	The Registrar (for Stores & Purchase), Indian Institute of Technology Patna Kanpa Road, Bihta, Patna, Bihar-801106 Phone: 06115-233-683
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.

REGISTRAR

Technical Specifications

Bench-scale single-axis motion simulator (Shake Table) (Qty. – 01)

The Shake Table is an open-architecture single-axis earthquake simulator ideal for teaching structural dynamics, vibration isolation, feedback control, and other control topics related to earthquake, aerospace and mechanical engineering. Users can generate sinusoidal, chirp as well as pre-loaded acceleration profiles of real earthquake to study their effects on buildings, bridges and various materials. Proposed shake table must following features

- Single Axis Portable shake Table with open architecture
- Clean and low maintenance: The system is very low maintenance and does not require a full time operator to manage the system.
- Easy integration of your structures, sensors and actuators
- Simple, standalone software operation using Shake Table Software
- Flexible operation and control design from MATLAB/ Simulink via Real time control software
- Fully documented system models and parameters
- Shared lab resources contributed by a large community of like-minded users
- Supports scaling and playback of earthquake data
- Integrated safety features and limits: Reliable, repeatable, and quiet operation
- The Shake Table can be easily programmed through a Graphical User Interface environment. The provided software eliminates any need for hand coding while enables to monitor and analyse the response
- Expandable where another Shake Table can be added for dual-axis operation in different configurations: X-Y, Parallel, on Series.
- Should be customisable with benchtop structures or the Active Mass Damper systems.
- Research Papers should have been published with this setup.
- Application Areas: University-level teaching and research in the areas of the structural dynamics and earthquake engineering such as K-12 outreach, Sensor validation, Structural Health Monitoring, Active/passive mass damping

Technical Specifications

Shake Table Overall Dimensions (L x W x H)	61 cm x 46 cm x 13 cm
Shake Table System Mass	27.2 kg
Stage Dimensions, i.e. Payload Area (L x W)	46 cm x 46 cm
Maximum Payload at 2.5 g	7.5 kg
Maximum Travel	±7.6 cm
Operational Bandwidth	10 Hz
Peak Velocity	66.5 cm/s
Peak Acceleration	2.50 g
Actuation	DC Motor and Ball-Screw Mechanism
Brushless Servo Motor Power	400 W
Amplifier Maximum Continuous Current	12.5 A
Motor Maximum Torque	4.82 N.m
Leadscrew Encoder Resolution (quadrature)	8192 counts/rev
Effective Stage Position Resolution	1.55 µm
Accelerometer Range	±49 m/s ²
Accelerometer Sensitivity	1.0 g/V
DAQ Channels	8

DAQ Resolution	16 bit
DAQ Analogue conversion time i/p & o/p	4 us & 10 us respectively
Amplifier type	DC power amplifier (Duty cycle mode)
Continuous output power	1200 W
Software Compatibility	Matlab/Simulink

Other Supporting Features

<i>Earthquake Simulation</i>	Earthquake records can be downloaded and scaled using provided own scaling algorithm.
<i>Structural Analysis</i>	Can be used with custom built benchtop structures or through the active mass damper systems - AMD-1 and AMD-2.
<i>Robust Design</i>	The table is actuated using a robust ball-screw mechanism and high-powered three-phase DC motor. The stage is measured using high-resolution rotary encoder. This provides high-precision and repeatable positioning.
<i>Academic Appropriate Design</i>	Shake Table should be made for academic teaching and research environment <ul style="list-style-type: none"> • The system is very low maintenance and does not require a full time operator to manage the system • Reliable, repeatable, and quiet operation • Actuated using a DC motor and ball-screw mechanism – does not use hydraulic-based actuators • Integrated safety features and limits
<i>User-Base</i>	Shake Table has been supplied to many Universities worldwide, including the United States, Japan, China, and so on. It has been used for various applications - Educational Outreach Programs, Undergraduate Seismic Competition (EERI preparation), and Advanced Graduate Research.
Software Support	Stand-alone software supplied with system, or via Matlab or Simulink. This allow for more flexible operation and control design, allowing the user to simulate new earthquakes, design new controllers, and so on.
Expandable	Another Shake Table II can be added for dual-axis operation in different configurations: X-Y, Parallel, on Series.
Application Areas	<ul style="list-style-type: none"> • University-level teaching and research in structural dynamics and earthquake engineering • K-12 outreach, Sensor validation • Structural Health Monitoring, • Active/passive mass damping

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. IIT Patna reserves the right to reject any tender/bid wholly or partly without assigning any reason.
7. The technical committee constituted by the 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. 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 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. 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.

GENERAL TERMS AND CONDITIONS

01. **Rates:** Rates quoted for items must be on F.O.R basis for 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 must be quoted with a minimum onsite Warranty/Guarantee period of 03 years after the date of delivery, installation and acceptance at final destination.
04. **Bid Security Declaration:** Scanned copy of signed Bid Security Declaration should be submitted in the prescribed format.
05. **Delivery:** Unless otherwise stated delivery of goods shall be at IIT Patna and will have to be effected maximally within **04 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:** 03% 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 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. **GST Concession/ Exemption:** IIT Patna being an academic institute is entitled for availing GST Exemptions in terms of Notification No. 45/2017-Central Tax (Rate) Dated 14.11.2017, Notification No. 47/2017-Integrated Tax (Rate) Dated 14.11.2017 and as amended from time to time. **Please state clearly that this certificate is required.**
13. **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.
14. **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 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.

15. **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 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 Registrar 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.

16. The acceptance of the quotation will rest solely with the Registrar, IITP, 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).

17. **Important:** The Director 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.

18. **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, it's 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 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.

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

20. The bidders can quote only those products in the bid which are not obsolete in the market and has atleast 3 years residual market life. Moreover, the bidder are bound to supply the spares till 10 years from the date of installation, on the same payment terms.

21. The bidders can quote only items with minimum 20% domestic value additional/local content. Local content means the amount of value added in India which shall be the total value of the item procured (excluding net domestic indirect taxes) minus the value of imported content in the item (including all custom duties) as a proportion of the total value, in percent. The bidders are required to furnish a self-certificate regarding the items meeting local content requirement, mandatorily mentioning following:

a. Percentage of Local Content

b. Location(s) at which the local value addition is made.

22. 'Class-I local supplier' shall get purchase preference over 'Class-II local supplier' as per instructions contained in Public Procurement (Preference to Make in India) Order 2017, as amended from time to time. The margin of purchase preference shall be 20%.

SPECIAL TERMS & CONDITIONS

Vendor Eligibility Criteria of Shake Table:

- (I) The bids must be submitted by OEMs or vendors quoting single OEM products (one vendor one OEM) only with original authorization certificates from the OEMs. Vendors should have proven experience in setting up dynamic testing equipment in India.
- (II) OEMs should have proven experience (in last five years) in setting up, installation, and technical demonstration of shake table or other dynamic testing equipment in India. A brief proof for such experience (copies of user satisfaction certificates along with machine configurations) should be included in the technical bid. Vendor may be asked to provide detail technical presentation at IIT Patna before approval. The Bidder / Tenderer should have experience in the supply of similar item / same OEM products since last 5 years with reputed educational institutions such as IITs and NITs, IIITs, CFTIs and other government educational institutions. At least 5 reference Purchase Order copies should be attached along with the technical Bid.
- (III) Bidder / tenderer should be registered in India under Companies Act 1956, with an existence of more than 10 years or above, certificate of Incorporation must be attached. The Bidder / Tenderer should be submitted at least 5 Indian educational users of the similar item / same OEM product during the last 3 years. The Bidder/Tenderer has to submit at least 5 Performance certificate for similar item / Same OEM Product.
- (IV) Vendor should be responsible along with OEM in providing support (software and hardware) for the machine during the warranty period. Hence the vendor should be the service provider and OEM would provide the parts. Vendor should provide that they have technical know-how to troubleshoot and provide proper service.
- (V) Vendor should have service engineers stationed at Patna or Kolkata and should respond to service calls. Additionally, the vendor (service provider) should have an office in Kolkata. The vendor has to provide contact details of service engineers and its office in Kolkata. Service call resolution including replacement of parts should occur within five business days of receiving the service call.
- (VI) The bidder/tenderer company must have its own full-fledged service office / authorized service centers within India and the bidder must be an established company with an existence of more than 5 years or above in the field of manufacturing/supply of same OEM equipment. Successful Installation report from 10 Indian educational users with similar/same OEM products must be provided along with the technical bid with customer contact details. Also they must have executed at least three purchase order of not less than Rs. 1 crore (Single order) each for laboratory equipment's during last three years (April 2017 to March 2020) and reference PO copies must be attached.
- (VII) Bidder / tenderer should quote all the tendered items with the full detailed compliance sheet and datasheet with self-attested by Manufacturer. The Bidder / Tenderer should enclose the videos, manuals and sample controller results for the quoted item.
- (VIII) Power, Heating and Cooling: Power consumption and heat dissipation estimate for the total cluster should be mentioned clearly additional requirements.
- (IX) Compliance List: The vendor must submit a table indicating the compliance of the features of the model of the components being quoted with those given in the indent. In case of non-compliance against a particular item, the vendor should justify that.
- (X) Training: Free training on operation, maintenance and repair of the whole shake table or its any part should be imparted at the site of installation.
- (XI) Post-sale service: The vendor must submit the names of the service engineers employed by them who are competent to serve the shake table installation along with their contact details in PATNA or KOLKATA.

- (XII) Within warranty period comprehensive on-site service need to be provided including maintenance, repair, and technical demonstration in free of cost.
- (XIII) On-site server warranty includes 3 years of warranty on all the parts of the nodes and switch, 3 years of OEM warranty on all the parts of the nodes and switch, 3 years of free labor on any maintenance and installation, 3 years of onsite support within five business days of receiving the service request.
- (XIV) On-site server warranty includes 3 years of warranty on all the parts of the shake table, 3 years of OEM warranty, 3 years of free labor on any maintenance and installation, 3 years of onsite support within three business days of receiving the service request

*Please Note: The decision of the Technical Committee on technical competence and eligibility of any technical bid submitted by any vendor would be final and cannot be contested.

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

To,
The Registrar,
(for Stores & Purchase Section)
Indian Institute of Technology Patna
Kanpa Road, Bihta, Patna, Bihar-801106
Phone: 06115-233-683

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)

Contact person name and designation:

Email id/ids for communication:

Mobile number :

Bid Securing Declaration Form
(To be given on Company Letter Head)

Date: _____

Tender No. _____

To,
The Registrar,
(for Stores & Purchase Section)
Indian Institute of Technology Patna
Kanpa Road, Bihta, Patna, Bihar-801106
Phone: 06115-233-683

I/We. The undersigned, declare that:

I/We understand that, according to your conditions, bids must be supported by a Bid Securing Declaration.

I/We accept that I/We may be disqualified from bidding for any contract with you for a period of five years from the date of notification if I am /We are in a breach of any obligation under the bid conditions, because of

- a) withdrawal/modification/amendment, impairment or derogation from the tender, my/our Bid during the period of bid validity specified in the form of Bid; or
- b) having been notified of the acceptance of our Bid by the purchaser during the period of bid validity (i) fail or reuse to execute the contract, if required, or (ii) fail or refuse to furnish the Performance Security, in accordance with the Instructions to Bidders.

I/We understand this Bid Securing Declaration shall cease to be valid if I am/we are not the successful Bidder, upon the receipt of your notification of the name of the successful Bidder.

Signed: (put signature of person whose name and capacity are shown)
in the capacity of (insert legal capacity of person signing the Bid Securing Declaration)

Name: (insert complete name of person signing he Bid Securing Declaration)

Duly authorized to sign the bid for an on behalf of (insert complete name of Bidder)

Dated on _____ day of _____ (insert date of signing)

Corporate Seal (where appropriate)

(Note: In case of a Joint Venture, the Bid Securing Declaration must be in the name of all partners to the Joint Venture that submits the bid)

LIST OF DOCUMENTS TO BE UPLOADED WITH TECHNICAL BID

1. Scanned copy of bank details for NEFT/ RTGS on letter head and certificate of GST.
2. Scanned copy of self-declaration of original manufacturer or authorized dealership certificate from OEM.
3. Scanned copy of self-certificate regarding the items meeting local content requirement as mentioned in clause 21 of general terms and condition.
4. Scanned copy of supporting documents as explained in Special Terms and Condition.
5. Scanned copy of tender acceptance letter. (Annexure-V)
6. Scanned copy of signed Bid Security Declaration. (Annexure-VI)
7. Scanned copy of **Annexure-X without any price** mentioning list of parts/ accessories/make/model.
8. Scanned copy of detailed technical specification & brochure (if any).

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

INSTRUCTION RELATED TO PRICE BID**PRICE BID:****A. Schedule of price bid in the form of BOQ format:**

1. The below mentioned Financial Proposal / Commercial bid format 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 is not quoted in the BOQ (Financial Bid), the total cost will be treated as inclusive of GST. 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-X.

Validate

Print

Help

Item Rate BoQ

Tender Inviting Authority: Registrar, IIT Patna

Name of Work: Supply of Bench-scale single-axis motion simulator (Shake Table) at IIT Patna, Bihta, Patna

Contract No: IITP/S&P/EPRI/ICE-320/2020-21

Name of the Bidder/ Bidding Firm / Company :	
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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)

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 in Percentage	GST Amount 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	Bench-scale single-axis motion simulator (Shake Table)		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								

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	<u>Essential Item 1</u>							
7	<u>Essential Item 2</u>							
8	<u>Essential Item 3</u>							
9	<u>Essential Item 4</u>							
10	<u>Essential Item 5</u>							
Total basic amount for Shake Table (As in cell no. BA14 of BOQ)								
Total GST Amount								
Grand Total Amount								
11	<u>Optional Item 1</u>							
12	<u>Optional Item 2</u>							
13	<u>Optional Item 3</u>							
14	<u>Optional Item 4</u>							
15	<u>Optional Item 5</u>							
Annual charges for Comprehensive AMC for next 3 years after warranty period*								
Annual charges for Non-Comprehensive AMC for next 3 years after warranty period*								

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

Note: The rows may be increased/decreased as per requirement.