IISER

THIRUVANANTHAPURAM

भारतीय विज्ञान शिक्षा एवं अनुसंधान संस्थान तिरुवनंतपुरम
INDIAN INSTITUTE OF SCIENCE EDUCATION AND RESEARCH THIRUVANANTHAPURAM
(भारत सरकार, मानव संसाधन विकास मंत्रालय/ Govt. of India, Ministry of H.R.D)
मरुतामला.पी.ओ/ MARUTHAMALA.P.O, वितुरा/ VITHURA / तिरुवनंतपुरम/ THIRUVANANTHAPURAM – 695 551 केरला/
KERALA, भारत/ INDIA / फोन/ Phone: 0471-2778019 फैक्स/ Fax: 0471-2597427 / ईमेल/ email: purchasestores@iisertvm.ac.in

तारीख/Date: 10/12/2018

निविदा के लिए आमंत्रण (इ-प्रोक्योमेंट मोड)/**INVITATION TO TENDER (E-Procurement mode only)**

No: IISER/PUR/0925/MPR/SM/18-19   नियत तारीख/**Due Date: 26/12/2018 [3PM]**

खोलने की तारीख/**Date of Opening: 27/12/2018 [3.30PM]**

प्रिय महोदय/Dear Sirs,

विषय / Sᴜʙ: **Supply of HPC Cluster.**

The Institute invites Single Cover Tenders for the following items through the eProcurement System of National Informatics Centre that enables the Tenderers to download the Tender Schedule free of cost and then submit the bids online through Central Public Procurement Portal of Government of India (https://eprocure.gov.in/eprocure/app.)

क्रम सं./ Sl. No	विवरण/ Description
1	**HPC Cluster** [Specifications as per Annexure 4]

A. ईएमडी/**EMD: Rs.44,000/-** स्टेट बैंक संग्रह द्वारा भुगतान करना चाहिए - निविदा संख्या और कंपनी का नाम उल्लेख किया जाना चाहिए। उद्धरण के साथ लेनदेन पर्ची / प्रिंट आउट या ईएमडी मूल्य के बराबर 90 दिनों की वैधता में बैंक गारंटी या बोलीदाता के उपक्रम जमा करना चाहिए/ should be paid through State Bank Collect– Tender No & Company Name must be mentioned in the Remarks column. Quotes should accompany a copy of Transaction slip /Print out **OR** Bank guarantee equivalent to the EMD value with validity 90 days (should reach before tender due dates) **OR** Bidders should submit an undertaking in their letter head as per clause 12 of Instructions to Tenders (Imports).

B. भुगतान/ **PAYMENT:** आपूर्ति और स्थापना के बाद 30 दिनों के अंदर/ कुल 30 दिन/ एलसी **आईआईएसईआरटीवीएम द्वारा कोई अग्रिम भुगतान नहीं किया जाएगा**/ Within 30 days after supply and installation/Net 30 days /LC . **Advance payment will not be made by IISERTVM.**

C. वितरण/ **Delivery:** विथुरा कैंपस में वितरित करना है(मुफ्त वितरण)। अगर आयात करें तो स्पष्ट रूप से ब्रेकअप शुल्क के साथ पूर्व-कार्य / एफसीए / सीआईपी शर्तों का उल्लेख करें/ To be delivered at **Vithura Campus** (Free delivery including unloading charges). If import, mention Ex-works/FCA/CIP terms with clear breakup charges.

D. कर एवं कर्तव्य/ **TAXES & DUTIES:** कर एवं कर्तव्य का उल्लेख करें। हमको सीमा शुल्क अधिसूचना 51/96 और जीएसटी (5%) अधिसूचना 45/2017 और 47/2017 दिनांकित 14/11/2017 से छूट दी गई है/ Indicate taxes and duties. We are partially exempted for customs duty under 51/96 notification and GST (5%) under 45/2017 & 47/2017, dated 14/11/2017 notifications.

E. छूट/ **Discount:** अगर कोई है तो सूचित करें/ Indicate, if any.

F. वितरण अनुसूची/**Delivery Schedule:** अति आवश्यक है। अपना अनुसूची उल्लिखित करें/ Required Immediately. Indicate your schedule

G. उद्धरण की विधिमान्यता **Validity of quote:** 60 दिन/60 days

H. Annexure 3: Tender Acceptance Letter should be enclosed with the offer.

Details: Annexure 1: Terms & Conditions, **Annexure 2:** Instructions To Bidder for Online Bid Submission, **Annexure 3:** Tender Acceptance Letter, **Annexure 4:** Detailed Specifications (if any)

भवदीय/ Yours Faithfully

उप कुलसचिव/ DEPUTY REGISTRAR
क्रय एवं भंडार/ PURCHASE & STORES

1. कीमत/ PRICE: मूल्य दृढ़ होगा। एफओबी / ईएक्सडब्ल्यू / एफसीए / सीआईएफ / सीआईपी आदि स्पष्ट रूप से उल्लिखित है।/ The price quoted shall be firm. The terms of FOB/EXW/FCA/CIF/CIP etc. shall be clearly mentioned.

2. अभिकर्ता एवं अभिकरण कमीशन/ AGENT & AGENCY COMMISSION: यदि निविदाकार भारत के किसी एजेंट द्वारा प्रतिनिधित्व किया जाए तो उनका नाम और पता उल्लेख करना है। कमीशन की मात्रा स्पष्ट रूप से प्रस्ताव में दिखाना है, जिसे भारतीय अभिकर्ता को खरीदार भारतीय रुपये में भुगतान किया जाएगा। यदि भारतीय अभिकर्ता की कमीशन निविदा में नहीं दिखाया तो, इसके कारण निविदा में स्पष्ट रूप से उल्लेख किया जाना है। भारतीय अभिकर्ता के सांविधिक पंजीकरण का विवरण दिया जाना है। यदि विदेशी मुद्रा में अभिकर्ता कमीशन का भुगतान किया जाए, तो भारत के प्रवर्तन निदेशालय से छूट के कारण भी बताना है।/ In case Tenderer is represented by any agent in India, their name and address shall be furnished. The amount of commission included in the price shall be clearly shown in the offer; which will be paid directly to the Indian Agents by purchaser in equivalent Indian Rupees. Incase Indian agents existing and their agency commission is not shown in the Tender, reasons for the same shall be clearly mentioned in Tender. Details of Indian agent's statutory registration shall be stated. If Agency Commission is paid by Principals in foreign currency, the reasons for the same and exemption from Enforcement Directorate in India shall also be provided.

3. पर्ची/ सूचीपत्र/ LEAFLET/CATALOGUE: निविदाकार भंडार के सभी पर्ची/ सूचीपत्र प्रस्तुत करने पर खरीदार को अपने प्रस्ताव का सही मूल्यांकन किया जाएगा/ Tenderer should furnish all necessary leaflet/catalogue etc., of the stores offered by him to enable the Purchaser to evaluate his offer correctly.

4. प्रेषण तरीका/ MODE OF DESPATCH: निविदाकार प्रेषण तरीका का उल्लेख करना है (यानी सागर / वायु-माल / पार्सल पोस्ट इत्यादि) इसके आधार पर खरीदार दुकान के प्रकार पर विचार किया जाएगा/ Tenderer shall indicate the mode of despatch (*i.e.*, Sea/Air-freight/Parcel Post, etc.) depending upon the normal mode of despatch adopted by him for the type of stores offered for consideration of the Purchaser.

5. उद्गम देश/ COUNTRY OF ORGIN: निविदाकार प्रस्ताव में प्रस्तावित सामान के उद्गम देश और निर्माण के नाम और पता का उल्लेख करना है।/ Tenderer shall indicate in his offer the country of origin of goods offered and the name and address of the manufacture.

6. बीमा/ INSURANCE: यदि माल का बीमा आवश्यक है, तो प्रस्ताव में उल्लेख करना है।/ If insurance of the goods is felt necessary, the same shall be advised by the Tenderer in the offer.

7. वितरण/ शिपमेंट DELIVERY/SHIPMENT: उद्धृत वितरण का समय और तिथि उचित / यथार्थवादी होना।/ The time for and date of delivery quoted shall be reasonable/realistic and shall strictly be adhered to incase of placing order on the Tenderer.

8. भुगतान के तरीका और शर्तें/ MODE AND TERMS OF PAYMENT: दर्शनी मसौदा या साख पत्र या तार हस्तांतरण द्वारा निर्धारित दस्तावेज की प्रस्तुति करने पर पूरा भुगतान (भारतीय रुपये में भारतीय अभिकर्ता को खरीदार द्वारा दिये जानेवाले अभिकर्ता कमीशन की राशि को छोड़कर) किया जाएगा। भारत सरकार के शिक्षा संस्थान होने के नाते हमें अग्रिम भुगतान करने के लिए सक्षम नहीं हैं।/ Payment in full (excluding the amount of Agency Commission included in the price payable directly by the Purchaser to the Indian Agents in Indian Rupees) will be made immediately on presentation of the prescribed documents against SIGHT DRAFT or LETTER OF CREDIT or WIRE TRANSFER against shipping documents. OURS BEING A GOVT OF INDIA EDUCATIONAL INSTITUTE WE ARE UNABLE TO MAKE ANY ADVANCE PAYMENT

9. आश्वासन/ WARRANTY: निविदा में आश्वासन की अवधि और शर्तों का उल्लेख करना है।/ Period of warranty and conditions shall be clearly mentioned in the Tender.

10. सामान्य/ GENERAL: निविदाकार निम्न शर्तों का पालन करना है/ The Tenderer shall also be complied with the following:

a. बैंकर का नाम और पता बताएं/ Mention your Banker's name and address.

b. अनुमानित निवल और सकल वजन और पैकेज/ कांड के आयाम दिखाएं। यदि आयाम विवरण उपलब्ध हैं तो प्रस्ताव में इसका संकेत दिया जाना है।/ Show approximate net and gross weight and dimensions of packages/ cases. If dimensional details are available the same should also be indicated in your offer.

c. यदि संयंत्र एवं मशीनरी, उपकरण आदि के उद्धरण है तो अनुशंसित स्पेयर की सूची की अवधि एक वर्ष होगी।/ Furnish list of recommended spares for satisfactory operation for a minimum period of one year if the quote is for Plant & Machinery, Equipments etc.

d. निर्माण संयोजन, कमीशन और प्रदर्शन आवश्यक होने पर तकनीकी सेवा का विवरण देना है।/ Details of any technical service, if required for erection assembly, commissioning and demonstration.

e. उद्धृत कीमत सभी कर, उद्ग्रहण, कर्तव्यों समेत शामिल है या नहीं, इसका पुष्टि करना है।/ Conform that the prices quoted are inclusive of all taxes, levies, duties arising in the tenderer's country.

f. नमूना यदि बुलाया है, तो सभी शुल्कों से मुक्त भेजना चाहिए।/ Samples, if called for, will be sent free of all charges.

g. देरी निविदा को मान्यता नहीं दिया जाएगा।/ Late tenders and Delayed will not be considered.

h. भारतीय अभिकर्ता के प्रस्ताव उनके शर्तों के प्रपत्र द्वारा समर्थित किया जाना चाहिए। Offers made by Indian Agents on behalf of their Principals, should be supported by the Proforma Invoice of their Principals.

i. निविदा पर हस्ताक्षर करने वाले व्यक्ति को बुलाने पर उपस्थित होना चाहिए।/ The authority of person signing the tender, if called for, shall be produced.

j. खरीददार को प्रस्ताव को स्वीकार या अस्वीकार करने का अधिकार है।/ The purchaser reserves the right to accept or reject the lowest or any other offer in whole or in part without assessing any reason.

12. जीएफआर 2017 खंड 170 (III) के अनुसार बोलीदाता जो कम धन जमा का भुगतान करने में विफल रहते हैं, उन्हें अनिवार्य रूप से बोली लगाने के लिए एक शर्त पर हस्ताक्षर करना है या यदि बोलीदाता को अनुबंध से सम्मानित किया जाता है और वे अनुबंध पर हस्ताक्षर करने में विफल रहते हैं, या बोली दस्तावेज के अनुरोध में उल्लिखित समय सीमा से पहले प्रदर्शन सुरक्षा जमा करने में विफल होते हैं, तो उन्हें संस्थान द्वारा निर्धारित समय की अवधि के लिए निलंबित किया जाएगा/ **As per GFR 2017 clause 170 (III) Bidders who fail to pay the Earnest money deposit has to mandatorily sign a bid securing undertaking that if the bidder withdraw or modify the Bids during the period of validity, or if the bidder is awarded with the contract and they fail to sign the contract, or to submit a Performance security before the deadline defined in the request for bids document, they will be suspended for the period of time decided by the institute.**

निविदाकारों के लिए निर्देश (स्वदेशी)/ INSTRUCTION TO TENDERER [Indigenous]

1. कर/ अन्य कर्तव्य/ अधिभार निविदा में अलग से दिखाया जाना चाहिए/ Tax and /or other duties/levies where legally levies and intended to be claimed should be distinctly shown separately in the tender.

2. (a) आपका उद्धरण निविदा खोलने की तारीख से 90 दिनों के लिए मान्य होता है। निश्चित कीमत के साथ के संविदा दर को प्राथमिकता दी जाएगी/ Your quotation should be valid for a minimum period of 90 days from the date of opening of the Tender. Quotation with firm prices will be preferred.

    (b) निविदा के आमंत्रण में संकेतित इकाइयों के अनुसार कीमत उद्धृत करना है। जब निविदा फॉर्म में उल्लिखित इकाइयों के अलावा संविदा दर दिए जाने पर दो इकाइयों के बीच के संबंध प्रस्तुत किया जाना चाहिए/ Prices are required to be quoted according to the units indicated in the Invitation to Tender. When quotations are given in terms of units other than those specified in the tender form, relationship between the two sets of units must be furnished.

3. **(a) तैयार माल से आपूर्ति करने वाले निविदाओं** को वरीयता दी जाएगी। वितरण का आधार आईआईसीईआर के साइट पर मुफ्त में है/ Preference will be given to those tenders offering supplies from ready stocks. The basis of delivery is at IISER site free of cost.

    (b) हमारी भुगतान की शर्तें माल की प्राप्ति और स्वीकृति के 30 दिनों के भीतर होगा/ our payment terms are within 30 days of receipt and acceptance of the item at our site.

4. (a) वस्तुओं के सभी उपलब्ध तकनीकी साहित्य, सूचीपत्र और अन्य आंकडे प्रस्ताव के साथ प्रस्तुत किया जाना चाहिए/All available technical literature, catalogues and other data in support of the specifications and details of the items should be furnished along with the offer.

    विशेष विवरण/ Specifications: प्रस्तावित भंडार हमारे विवरण के अनुरूप होना चाहिए। अगर विचलन है तो निविदाकार अपने उद्धरण में संकेत दिया जाना चाहिए। निविदाकार भंडार के प्रारूप सूचित करना चाहिए और आवश्यक होने पर संविदा दर के साथ सूचीपत्र, तकनीकी साहित्य और नमूने प्रदान करना चाहिए। आवश्यक होने पर परीक्षण प्रमाण पत्र आपूर्ति के साथ अग्रेषित किया जाना चाहिए। निविदाकार को उपयुक्त कारणों के साथ विनिर्देशों में परिवर्तन का सुझाव दे सकता है।/ Stores offered should strictly conform to our specifications. Deviations, if any should be clearly indicated by the tenderer in their quotation. The tenderer should also indicate the Make/Type number of the stores offered and provide catalogues, technical literature and samples, wherever necessary along with the quotations. Test Certificates wherever necessary should be forwarded along with supplies. Whenever specifically mentioned by us the tenderer could suggest changes to specifications with appropriate reasons for the same.

5. आईआईसीईआर को निम्नतम या किसी भी निविदा को स्वीकार करने के लिए कोई दायित्व नहीं होगा और पूरे या निविदा के किसी हिस्से के स्वीकृति का अधिकार सुरक्षित रखेगा और निविदाकार उद्धृत दरों पर समान की आपूर्ति करना चाहिए/ IISER shall be under no obligation to accept the lowest or any tender and reserves the right of acceptance of the whole or any part of the tender or portion of the quantity offered and the tenderers shall supply the same at the rates quoted.

6. अगर संबुदा दर में कोई सुधार होने पर इसे प्रमाणित किया जाना चाहिए। सभी राशी शब्दों और आंकड़ों में भी सूचित किया जाना चाहिए। यदि शब्दों और आंकड़ों में उद्धृत राशि के बीच अंतर होने पर शब्दों में उद्धृत राशि प्रबल होगी। संविदा दर में प्रत्येक वस्तु के मूल्य होना चाहिए और कर और कर्तव्यों सहित मूल्य की कुल राशि का स्पष्ट रूप से उल्लेख किया जाना चाहिए/ Corrections, if any, in the Quotation must be attested. All amounts shall be indicated both in words as well as in figures. Where there is difference between amounts quoted in words and figures, amount quoted in words shall prevail. Quotation must have price for each line item and totaling of the price including taxes and duties should be clearly mentioned.

7. निविदाकार निविदा में अपने बैंकर, कर पंजीकरण, पैन नंबर आदि उल्लिखित करना चाहिए/ The tenderer should mention the name of his bankers, Tax Registration, PAN number etc in the tender.

8. निविदा पर हस्ताक्षर करने वाले व्यक्ति बुलाने पर उपस्थित होना चाहिए। The authority of the person signing the tender, if called for, should be produced.

9. आईआईसीईआर भारत सरकार के शैक्षणिक और अनुसंधान संस्थान होने के नाते, इसको जीएसटी अधिसूचना सं. 45/2017 और 47/2017 दिनांकित 14/11/2017 और सीमा शुल्क अधिसूचना सं. 51/96 दिनांकित 23 जुलाई 2009 के भुगतान से छूट दिया है और वैट नियमों के अनुसार फॉर्म 16 जारी कर सकते हैं/ IISER being a Govt of India Educational and Research Institute, is exempted from payment of GST under Notification No. 45/2017 & 47/2017 dt 14/11/2017 and Customs Duty under Notification No. 51/96- Customs dated 23rd July 2009.

10. आपूर्ति की गई भंडार आपूर्ति, स्थापना और कमीशन की तारीख से 1 वर्ष वारंटी में होगा/ The stores supplied should be covered with minimum of 1 year warranty from the date of supply, installation and commissioning.

11. निविदा के आमंत्रण में उल्लिखित के अनुसार धन जमा / बोली सुरक्षा जमा उद्धरण के साथ जमा किया जाना चाहिए। ईएमडी भारतीय विज्ञान शिक्षा एवं अनुसंधान संस्थान तिरुवनंतपुरम के पक्ष में 90 दिनों के लिए मान्य होगा/ Earnest Money Deposit/ Bid Security should be submitted along with your quote as mentioned in Invitation for Tender. EMD should be in favour of Indian Institute of Science Education and Research Thiruvananthapuram valid for 90 days.

ANNEXUE: 2
Instructions To Bidder for Online Bid Submission

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 / email 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 technical & financial bids in PDF format only 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.

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

To,   Date:

The Director,
Indian Institute of Science Education and Research – Thiruvananthapuram,
Maruthamala P.O, Vithura, Thiruvananthapuram, Kerala -695551, India.

Sub: Acceptance of Terms & Conditions of Tender.

Tender Reference No: _____
Name of Tender / Work: -

_____

_____

Dear Sir,

1. I/ We have downloaded / obtained the tender document(s) for the above mentioned 'Tender/Work' from the web site(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/ organization 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 / entirety.

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 the 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 any notice or reason therefore or summarily reject the bid or terminate the contract, without giving any notice or reason therefore or summarily reject the bid or terminate the contract, without prejudice to any other rights or remedy including the forfeiture of the full said earnest money deposit absolutely.

7. I / We declare the following information provided are correct to the best of my knowledge:

1	Name and Address of the bidder	
2	Manufacturer / Dealer / Agent	
3	Contact Person	
4	Phone	
5	Email	
6	Mobile Number	
7	GST No	
8	PAN No	
9	UTR No / DU No (in case of online transfer of Tender Fee) (if any)	
10	UTR No / DU No (in case of online transfer of EMD)	

Yours Faithfully,

(Signature of the Bidder, with Official Seal)

Technical details of HPC cluster for Financial Engineering and Data Science Research Lab

Sl no.	Description	Quantity
1	Master node	1
2	Compute node	2
3	NAS storage	1
4	10 G Switch	1
5	Desktop	5
6	Rack for Server	1

I. Detailed Description of Master node

Sl No.	Parameters	Specification
1	Processor	Intel Xeon Silver 4116 2.1G, 12C/24T, 9.6GT/s, 16.5M Cache, Turbo, HT (85W) DDR4-2400 or better
2	No of Processors support	2 or better
3	Memory	16GB RDIMM, 2666MT/s, Dual Rank X(6nos) or better
4.	Number of Memory Slots	16 DDR4 DIMM slots, Supports RDIMM /LRDIMM, speeds up to 2666MT/s, 512GB Or better
5	Hard Disk	1.2TB 10K RPM SAS 12Gbps 512n 2.5in Hotplug Hard Drive (6 Nos) or better
6	No of Hard Disk bays	Front drive bays: Up to 4 x 3.5 SAS/SATA HDD max 40TB or Up to 10 x 2.5" SAS/SATA (HDD/SSD) with up to 4 NVMe SSD max 48TB Or better
7	RAID Controller	Combatable RAID Controller with configuration of H740P Adapter or better

8	Optical Drive	DVD +/-RW, SATA, Internal
9	Ethernet Ports	Broadcom 57416 Dual Port 10 GbE BaseT& Dual-Port 1GbE On-Board LOM Front ports: Video, 1 x USB 2.0, available USB 3.0, dedicated IDRAC Direct USB Rear ports: Video, serial, 2 x USB 3.0,

10	Remote Management	The remote management port should support IPv4, IPv6, VLAN Tagging and shall support two factor authentication
11	Form Factor	Rack 2U
12	Rack Mount Kit	Rails
13	Systems Management	The server management shall support following features Monitoring of Servers, Update of System Software Integration with OEM support to update the Server Configurator, Remote Management Controller, RAID Controller, BIOS, NIC, and Power Supply Remote Media Access with Virtual Media, Remote video, keyboard, and mouse control with Virtual Console
14	Security	Cryptographically signed firmware Silicon Root of Trust Secure Boot System Lockdown System Erase

15	Certification and compliances	Canonical® Ubuntu® LTS Citrix® XenServer® Microsoft Windows Server® with Hyper-V Red Hat® Enterprise Linux SUSE® Linux Enterprise Server VMware® ESXi
16	Other features	Redundant power supplies; Internal M.2 boot drives; hot-plug redundant fans; Optional LCD or Security bezel;
17	Power Supply	Dual, Hot Plug, Redundant Power Supply (1+1), 550W
18	Warranty	3 Year or more years of onsite service warranty with 24/7 online support

II.   Detailed Description of Compute Node (2 nos)

Sl no.	Parameters	Specification

Sl no.	Parameters	Specification
1	Processor	Intel Xeon Gold 5118 2.3G, 12C/24T, 10.4GT/s, 16.5M Cache, Turbo, HT (105W) DDR4-2400 or better
2	No. of Processor	2
3	Memory	16GB RDIMM, 2666MT/s, Dual Rank or better
4	Number of Memory Slots	16 DDR4 DIMM slots, Supports RDIMM /LRDIMM, speeds up to 2666MT/s, 512GB or better
5	Hard Disk	2TB 7.2K RPM NLSAS 12Gbps 512n 3.5in (2. no's) or better
6	No of Hard Disk bays	Front drive bays: Up to 4 x 3.5 SAS/SATA HDD max 40TB or Up to 10 x 2.5" SAS/SATA (HDD/SSD) with up to 4 NVMe SSD max 48TB Or better

7	RAID Controller	Combatable RAID Controller with configuration of H740P Adapter or better
8	Optical Drive	DVD +/-RW, SATA, Internal
9	Ethernet Ports	1 X Dual Port 10G Base-T Adapter & 1 X Dual-Port 1GbE
10	Disk Supported	Front drive bays: Up to 16 x 2.5" SAS/SATA (HDD/SSD) max 61TB or up to 8 x 3.5" SAS/SATA HDD max 96TB or better
11	I/O Slots	Front ports: Video, 1 x USB 2.0, available USB 3.0, dedicated IDRAC Direct USB Rear ports: Video, serial, 2 x USB 3.0,
12	Remote Management	The remote management port should support IPv4, IPv6, VLAN Tagging and shall support two factor authentication

13	Certification and compliances	Canonical® Ubuntu® LTS Citrix® XenServer® Microsoft Windows Server® with Hyper-V Red Hat® Enterprise Linux SUSE® Linux Enterprise Server VMware® ESXi
14	Security	Cryptographically signed firmware Silicon Root of Trust Secure Boot System Lockdown System Erase
15	Form Factor	1U rack
16	Rack Mount Kit	Rails

17	System management	The server management shall support following features Monitoring of Servers, Update of System Software Integration with OEM support to update the Server Configurator, Remote Management Controller, RAID Controller, BIOS, NIC, and Power Supply Remote Media Access with Virtual Media, Remote video, keyboard, and mouse control with Virtual Console
18	Other features	Redundant power supplies; Internal M.2 boot drives; hot-plug redundant fans; Optional LCD or Security bezel;
19	Power Supply	Dual, Hot Plug, Redundant Power Supply (1+1), 550W
20	Warranty	3year or more years of onsite warranty with 24/7 online support

III. Detailed Description of NAS Storage

Sl no	Parameters	Specifications
1	Processor	Intel Xeon Bronze 3104 1.7G, 6C/6T, 9.6GT/s, 8M Cache, No Turbo, No HT (85W) DDR4-2133 or better
2	Memory	8GB RDIMM, 2666MT/s, Single Rank or better
3	Storage	Minimum 4TB to 12 TB 7.2K RPM NLSAS 12Gbps

		512n 3.5in(4 Nos) 600GB 10K RPM SAS 12Gbps 512n 2.5in Flex(2nos) . **The storage must be able to upgrade in future to a higher level**
4	Connectivity ports	Broadcom 57416 2 Port 10Gb Base-T + 5720, 2 Port 1Gb Base-T, rNDC
5	RAID support	RAID 5
6	Warranty	**3 years or more**

IV.   Detailed description of 10 G Switch

Sl No.	Parameters	Specification
1	Form-Factor	24x 1GbE + 4x 10GbE SFP+ fixed ports, Stacking, IO to PSU airflow, AC
2	1G/10G SFP+ Ports	2 shared (combo)
3	Firmware/ Config Access	1 x USB
4	Power Supply	1 internal PSU, fixed
5	Fans	1 internal, fixed fan
6	Packet buffer	2 MB or better
7	ACLs	100 shared
8	MAC Address Table RP/NDP Table VLANs	16K MAC 738 ARP/NDP 256 VLANs
9	Fabric	160Gbps line-rate
10	Latency	10GBASE-T: <3.012 µs 10GBASE- X SFP+ : <2.466 µs Or better

V.   Detailed Description of Desktop

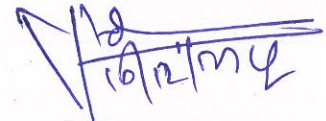| Sl no.	Description	Nos
1	• Processor :- Intel 8th Generation Core i3-8100 (6M Cache, 3.60 GHz) • RAM :- 4GB, DDR4, 2400MHz; up to 32GB (additional memory sold separately) • Hard Disk :- 1TB 3.5inch 7200 rpm SATA Hard Drive Graphics :- Intel UHD Graphics 630 with shared graphics memory & 18.5" monitor, mouse and Keyboard	5

VI.   Description of Rack for Server Mounting

Sl no	Description	units
1	27U Rack Frame/600/1000/Steel/NRS1/ Welded/Casters Type 2 or better	1

VII. Additional Features/Description

Sl no	Specification	Remark
1	Compatible for Installing of Packages/software/setup: Hadoop, MapReduce, Mongodb, HDFS, OPEN MPI, SQL, MySQL, BLAS, LAPACK,GNU C/C+, JAVA, PYTHON, ANACONDA, SAS, SPLUS, R, MATLAB, EMACS, Gnuplot etc	
2	Software repository: set up a local mirror for software repository appropriate for OS	
3	Should create a local sandbox/ workspace where data can be stored without affecting production database. Should have parallel and distributing capability; MPI capability; high performance scientific computing capability. Should have Big Data Analytics capability for financial modelling/engineering and data science research.	
4.	Delivery, Set up and Installation of HPC cluster/packages and service	

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