



**Office of Deputy Registrar (Purchase)  
Indian Institute of Science (IISc)  
Bangalore – 560012  
([www.iisc.ac.in](http://www.iisc.ac.in))**

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## **NOTICE INVITING TENDER**

in e-Tender mode only on the  
Central Public Procurement Portal (CPPP) of the Govt. of India  
under the two-cover bid system

*for*

### **Supply and Installation of Nvidia DGX Stations**

**Tender No: IISc/Purchase/CSA/2020/12**

Date: 10<sup>th</sup> July 2020

#### **Contact Details for this tender:**

Chair

Deptt. of Computer Science and Automation (CSA)

Indian Institute of Science

Bangalore 560012

**Email: [ambedkar@iisc.ac.in](mailto:ambedkar@iisc.ac.in)**

CPPP Tender Submission website:

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

## **1. Introduction**

Established in 1909, Indian Institute of Science (IISc), having its main campus at Bangalore (Karnataka, India), is India's leading institution of advanced education and research in the sciences and in engineering. It is a Deemed-to-be-University Section 3 of the UGC Act, 1956 under Ministry of Human Resource Development (MHRD), GoI. Govt. of India has declared IISc as an Institution of Eminence (IOE). From its beginnings, IISc has laid equal emphasis on fundamental investigations and the solution of practical problems in such a setting.

The Institute invites bids from reputed Original Equipment Manufacturer (OEM) / OEM authorized distributor / OEM authorized Indian agents for Supply and Installation of the Nvidia DGX Stations at IISc Bangalore.

Detailed technical specifications are mentioned in the subsequent sections.

The bids must have to be submitted in ONLINE mode through e-procure module of Central Public Procurement Portal (CPPP) of Govt. of India in two-cover bid system.

## **Schedule of Events**

Tender Publishing Date	10 <sup>th</sup> July 2020
Pre-Bid clarification end date (by email) (Online meeting may be organized through MS-Team depending on significant requests*)	17 <sup>th</sup> July 2020, 11:30 AM IST
Deadline for submission of bids on CPPP	4 <sup>th</sup> August 2020, 5:00 PM IST
Opening of technical bids on CPPP	6 <sup>th</sup> August 2020, 11:00 AM IST
Listing of technically qualified Bidders on CPPP	To be declared later
Opening of price bids on CPPP	To be declared later
* For details, contact the following email ID: <a href="mailto:ambedkar@iisc.ac.in">ambedkar@iisc.ac.in</a>	

Any query / correspondence should be sent to the email ([ambedkar@iisc.ac.in](mailto:ambedkar@iisc.ac.in)) given on the title page of this tender. Query / correspondence sent to any other person / official, will not be entertained. IISc has absolute right to modify date & time of an event.

## **2. Technical Specification**

### **Supply and Installation the Nvidia DGX Station at IISc Bangalore**

Sl. No	Specification	Qty
1.	<ul style="list-style-type: none"> <li>• Processor: Single CPU with minimum 20-Core Intel Xeon E5-2698 v4 2.2 GHz or better</li> <li>• CPU Memory: 256GB RDIMM DDR4</li> <li>• GPU &amp; memory: 4 x NVIDIA V100 GPUs with 32GB HBM2 per GPU memory. (Total of 128GB GPU memory), All GPUs connected with High bandwidth NVLink interconnect.</li> <li>• TFLOPS: (GPU FP16) 450 TF or better</li> <li>• Power Requirements: Less than 1800 W</li> <li>• Storage: 4 x 1.92 TB SSD</li> <li>• System Network: Dual x10 GB Ethernet ports,</li> <li>• Display Port: Display ports with 4K resolution (Display will be purchased separately)</li> <li>• Desktop/Workstation model with integrated water-cooled system (The advantage of water cooling is that it reduces noise and keeps GPU much cooler.) and should work in ambient temperatures (10°C to 30°C).</li> <li>• GPU Communications protocol &amp; Topology: NVLink 2.0 (300GBytes/s) between all the GPUs for efficient application scaling.</li> <li>• OS Software: Ubuntu Desktop Host OS</li> <li>• Pre-installed and optimized Deep Learning Frameworks: Caffe, CNTK, Tensorflow, Theano, Torch with Docker containers for deploying Deep learning frameworks.</li> <li>• Required DL SDKs: CUDA toolkit CUDA tuned Neural Network (cuDNN) Primitives TensorRT Inference Engine DeepStream SDK Video Analytics CUDA tuned BLAS CUDA tuned Sparse Matrix Operations (cuSPARSE) Multi-GPU Communications (NCCL).</li> <li>• The minimum 3-years onsite comprehensive warranty should be included</li> </ul>	02

### **3. Terms and Conditions**

1. The bid must be valid for at least 180 days from the actual date of opening of the technical bid.
2. Two bid system (separate technical and financial bids) will be followed.
3. The technical bid must clearly specify the prescribed technical specifications without including the prices. The detailed specifications should be given for the above. Unique characteristics may be highlighted. The technical compliance report must be attached. All the commercial terms and conditions including warranty, payment terms, etc., should be included as part of the technical bid. Vendors who include price information in the technical bids will be automatically disqualified.
4. Any corrigendum issued after publishing of the NIT will form part of this NIT
5. At least 3 independent reference letters from installations worldwide with at least one reference from India meeting the above specifications or better without which the quote will not be considered. IISc may contact more users for obtaining independent references. The committee will have the right to reject a bid based on reference letters.
6. Technical bids will be opened first. IISc may seek clarifications after the opening of technical bids and may ask vendors to perform some example experiments on the samples given by IISc to demonstrate the promised technical specifications. Vendors may be required to give presentations.
7. IISc reserves the right to accept or cancel a bid. Decision of IISc regarding evaluation of technical bids or price bids will be final and binding.
8. Price bids of only technically qualified vendors will be considered, and the vendors will be informed the day of opening the price bids through CPPP only.
9. The price bids may offer CIP Bangalore prices if equipment is from out of Country.
10. Bid Security / Earnest Money Deposit (EMD) of Rs. 1,20,000 (Rupees One Lakh Twenty Thousand only) must be deposited through NEFT / RTGS.
11. The total solution as per the agreed bill of materials must be supplied within 4 – 6 weeks after receiving a firm PO from IISc. The installation and acceptance must be completed within 2-3 weeks after the supply of the equipment.
12. A pre-bid clarification meeting may be held if required after one week from the notification of the tender.
13. The items should be delivered, successfully installed, and demonstrated at the site of Indian Institute of Science, Bangalore – 560012.
14. In case of indigenous order, 100% payment will be released after complete delivery and satisfactory installation. In case of import order, Institute may consider payment through Letter of Credit (payment of 80% of the equipment costs, against dispatch of documents and the rest after complete delivery and satisfactory installation). Payment will be subject to deduction of TDS as per rules/laws.
15. Indigenous order must be on FOR-IISc Bangalore basis, whereas Import order should be preferably on DDP- IISc Bangalore basis, however IISc may consider CIP-Bangalore basis. It should be clearly mentioned in the technical bid.

16. IISc is a DSIR recognized research organization and hence eligible for concessional / exempted rate of Custom Duty (for import items) and concessional / exempted rate of GST @5% (for indigenous items). Since these items are required for research purpose, IISc will issue Custom Duty Exemption Certificate (for import items) or GST Exemption Certificate (for indigenous items). For the same item, both certificates will not be issued. Bill of Entry must be in the name of IISc for import items. While quoting, the bidders may consider this point. Import items must be quoted in USD (US Dollar) and Indigenous items must be quoted in INR (Indian Rupees). Details of the foreign firm, on which the foreign order has to be placed must be clearly mentioned (with name of the firm, complete address, contact details, email IDs, bank details etc.) in the technical bid with its authorization letter in favour of the bidder / authorized Indian agent.
17. For DDP-IISc Bangalore basis, IISc will not be involved in custom duty / airport charges payment, custom clearance, forwarding and transportation / shipment of import items; IISc will only provide relevant documents for availing concession / exemption in Custom duty / IGST subject to submission of documents (viz. Invoice, Bill of Entry, Bill of Lading, airway Bill, Packing list etc.) by the vendor. Bill of Entry must be in the name of IISc. Customs duty must be paid by the vendor. Before release of final payment, all original documents with regards to import must be handed over to IISc, failing which final payment may not be released.
18. For CIP-basis, IISc will get the consignments cleared from custom from its own CHA. The vendor must provide all documents (viz. Invoice, Bill of Entry, Bill of Lading, airway Bill, Packing list etc.) in advance, required for custom clearance. If there will be delay at the vendor's end in providing the correct documents, then any fine / demurrage / additional charges paid by IISc in custom clearance and its forwarding will be deducted from the vendor's bill at the time of final payment.
19. IISc reserves the right to cancel or modify the tender at any time without assigning any reason thereof.
20. As time is essence for this procurement, the successful bidder must have to adhere by the delivery and installation schedule as per purchase order, failing which Liquidity Damage (LD) will be imposed for late delivery and installation at the rate of 1% of total order value for delay per week or part thereof (maximum up to 10% LD). IISc may consider formal request for extension in delivery and installation schedule on genuine grounds, however it will be absolute right of the IISc to accept or reject such request of the vendor. IISc reserves the right to cancel the order if there is delay without a formal approval by IISc.
21. Performance Bank Guarantee (PBG) of 10% of the total order value has to be provided by the successful bidder within two weeks of placement of order.
22. Once the L1 vendor is identified, the vendor will be given two separate purchase orders for each system. Decision of IISc in this regard will be final and binding.

#### **4. Earnest Money Deposit (EMD)**

1. All Bidders must submit Rs. 1,20,000 (Rupees One Lakh Twenty Thousand only) as EMD or bid security in the form of RTGS/NEFT transfer, the Bidder must submit e-receipt as a proof of EMD submission along with the technical bid. Failure to comply with this requirement will result in rejection of the bid. The account details of IISc are provided below.
2. After the placement of the purchase order on the successful Bidder, the EMD amount will be returned to the unsuccessful Bidders without interest.
3. The EMD amount will be returned to the successful Bidder after the Institute places a firm purchase order for the procurement and the successful Bidder then submits a performance security/bank guarantee followed by its verification.
4. Micro and Small Enterprises (MSEs) or Startups firms will be exempted from submitting EMD as per GFR 2017 (amended from time to time). Such a Bidder must submit copy of valid certificate (from appropriate agency of Govt. of India) with the technical bid, failing which their bid will be declared as a non-responsive bid.
5. The bid must be valid for at least 180 days from the actual date of opening of the technical bid. Withdrawal of the bid within the period of validity will result in forfeiture of the EMD amount.

*Details of the Bank Account of IISc Bangalore for submitting EMD / PBG / KYC*

<b>Account's Name</b>	Registrar, Indian Institute of Science, Bangalore	<b>Note:</b> <ul style="list-style-type: none"> <li>• It is mandatory to write the Name &amp; Address of the Bidder and Tender Reference No. &amp; Date on the back side of the e-receipt of NEFT/RTGS.</li> <li>• Acceptance of the e-receipt of NEFT/RTGS is subject to its verification from the Finance &amp; Accounts section / Bank, IISc.</li> </ul>
<b>Bank</b>	State Bank of India	
<b>Branch</b>	IIS Bangalore	
<b>Branch Code</b>	02215	
<b>Account No.</b>	31728098170	
<b>IFSC</b>	SBIN0002215	
<b>MICR</b>	560002020	
<b>GSTIN</b>	29AAATI1501J2ZV	
<b>PAN</b>	AAATI1501J	
<b>IEC Code</b>	0788012428	
<b>ADC</b>	00022158400009	
<b>TAN</b>	BLRI0070D	

Note: No separate KYC will be provided.

## **5. Performance Security / Performance Bank Guarantee (PBG)**

1. Successful bidder has to submit a Performance Security / Performance Bank Guarantee (PBG) issued by a nationalized bank or a scheduled commercial bank as per RBI list in India within two weeks of the issue date of purchase order. Performance Security / PBG will be for an amount of 10% (ten per cent) of the total purchase order. Performance Security may be furnished in the form of online payment (RTGS/NEFT) or Bank Guarantee in the specified format given in the Annexure-3.
2. Performance Security should remain valid for a period of sixty days beyond the date of completion of all contractual obligations of the supplier including warranty obligations.
3. The Earnest Money Deposit (EMD) of the successful Bidder shall be returned on submission of Performance Security / PBG without any interest.
4. EMD of unsuccessful bidder will be returned without any interest after placement of order. EMD will be forfeited, if bidders change their terms & conditions or fail to submit PBG on time or fails to accept the purchase order during bid validity period.
5. Performance Security / PBG will be returned without any interest after successful completion of the all contractual obligations including warranty period AMC period (if any). However, if the successful Bidder fails to deliver the items / install and commission the items as per the order's terms and conditions within the stipulated period or fail to provide satisfactory services during contractual obligations include warranty period and AMC period (if any), the PBG shall be liable to be forfeited. Decision of IISc in this regard will be final and binding.

## **6. Guidelines for Bid Submission**

Bidders are required to submit their bid in e-tender mode through the Central Public Procurement Portal (CPPP: <https://eprocure.gov.in/eprocure/app>) only. If a Bidder submits a response to the e-tender, then it is assumed that the Bidder accepts all the terms and conditions specified in this document. A bid submitted through any other mode will not be entertained and will be treated as non-responsive.

The submission consists of two parts, viz. a Technical Bid and a Commercial / Price Bid.

The **Technical Bid** should be an *indexed and page-numbered* document containing:

- Duly filled-in and sealed & signed by the bidder (Annexure-1)
- E-receipt of EMD (MSE / startup certificate in case of EMD exemption)
- BoQ compliance (Annexure 2), (without quoted price).
- Supporting technical materials for the items in the BoQ.
- Supporting documents listed in the Overall Compliance Statement.
- A signed document that the Bidder agrees to the Service Terms, Commercial Terms, and Payment Terms set forth in this tender.

The **Commercial / Price Bid** should contain:

- The BoQ table (in the CPPP Excel sheet for this tender) with per quantity and total prices for every line item. The price quoted must be inclusive of all duties, taxes, and concessional exemptions as applicable to IISc. Prices for import items must be quoted in either in DDP-IISc Bangalore (Delivered Duty Paid) or CIP-Bangalore - basis (anyone only) terms. Prices for indigenous items must be quoted on FOR basis..

### Points to Note:

1. Prices for import items must be quoted in either in DDP (Delivered Duty Paid) or CIP - basis (anyone only) terms. Prices for indigenous items must be quoted on FOR basis. This must be clearly mentioned in the technical bid in Annexure-1.
2. Prices of items in this tender's BoQ must **NOT** be mentioned in the Technical Bid.
3. The line items in the Commercial (Price) Bid may be quoted in INR or USD, but not in both.
4. The commercial bid must be valid for at least 180 days from the actual date of opening of the technical bid.
5. A tender not complying with any of the above conditions is liable to be rejected. Incomplete proposals are liable to be rejected.
6. The Director, IISc, reserves the right to modify the technical specifications or the required quantities at any time. In such a case, the Bidders will be notified.
7. The Director, IISc reserves the right to accept or reject any proposal, in full or in part, without assigning any reason.
8. Instructions To Bidder for Online Bid Submission may be downloaded from CPPP website (Download section).



Annexure 1: Details of Bidders (on the letter head of the bidder)  
(to be submitted with Technical Bid)

To  
The Registrar, IISc, Bangalore (India)

Sir,  
I hereby submit my bid for your tender no. -.....  
Details are as under along with all required documents.

EMD Details (attach e-receipt / MSE certificate)	
Bidder's Name and Address (attach incorporation certificate)	
GSTIN (attach GST Regn. Certificate)	
PAN (attach copy of PAN)	
Bank Accounts Details (attach copy of cancelled cheque)	
Category – OEM / Indian Agent of foreign firm / OEM authorized distributor (mention clearly)	
USD item (i.e. foreign Item) is quoted on which basis DDP-IISc Challekere or CIP-Bangalore (mention clearly)	
If USD items, then provide details (viz. Name, address, contact details) of the foreign firm	
Bank Account details of Foreign Firm (if quote in USD) (attach copy of cancelled cheque)	
Authorization letter by foreign firm attached (Yes / No)	
Warranty period offered in years from the date of installation and accepted by IISc (minimum two year must be offered)	

I have carefully gone through the Terms & Conditions and all the contents as mentioned in the above-referred tender document. I declare that all the provisions and contents of this tender document are acceptable to my company. I further certify that I am an authorized signatory of my company and am, therefore, competent to make this declaration. I copy of this tender document (duly sealed and signed on all pages) are being attached with this bid.  
Thanking you.

Seal & Signature with name & date and PAN & Aadhar card no. of the signatory

**Annexure 2: BoQ compliance**  
(to be submitted with Technical Bid)

A compliance sheet should be submitted in the format given below along with the Technical Bid. Bidder needs to write either INR or USD in the “quoted in INR or USD column”. Bidder MUST NOT write any Price here. PRICE must be written in BOQ Price Bid (Excel sheet) only separately.

Sl. No	Specification	Qty	Remarks (to be filled-in by the Bidder) (A separate sheet may be attached)
1.	<p><u>Supply and Installation the Nvidia DGX Stations at IISc Bangalore</u></p> <ul style="list-style-type: none"> <li>• Processor: Single CPU with minimum 20-Core Intel Xeon E5-2698 v4 2.2 GHz or better</li> <li>• CPU Memory: 256GB RDIMM DDR4</li> <li>• GPU &amp; memory: 4 x NVIDIA V100 GPUs with 32GB HBM2 per GPU memory. (Total of 128GB GPU memory), All GPUs connected with High bandwidth NVLink interconnect.</li> <li>• TFLOPS: (GPU FP16) 450 TF or better</li> <li>• Power Requirements: Less than 1800 W</li> <li>• Storage: 4 x 1.92 TB SSD</li> <li>• System Network: Dual x10 GB Ethernet ports,</li> <li>• Display Port: Display ports with 4K resolution (Display will be purchased separately)</li> <li>• Desktop/Workstation model with integrated water-cooled system (The advantage of water cooling is that it reduces noise and keeps GPU much cooler.) and should work in ambient temperatures (10°C to 30°C).</li> <li>• GPU Communications protocol &amp; Topology: NVLink 2.0 (300GBytes/s) between all the GPUs for efficient application scaling.</li> <li>• OS Software: Ubuntu Desktop Host OS</li> <li>• Pre-installed and optimized Deep Learning Frameworks: Caffe, CNTK, Tensorflow, Theano, Torch with Docker containers for deploying Deep learning frameworks.</li> <li>• Required DL SDKs: CUDA toolkit CUDA tuned Neural Network (cuDNN) Primitives TensorRT Inference Engine DeepStream SDK Video Analytics CUDA tuned BLAS CUDA tuned Sparse Matrix Operations (cuSPARSE) Multi-GPU Communications (NCCL).</li> <li>• The minimum 3-years onsite comprehensive warranty should be included</li> </ul>	02	

**Annexure - 3**  
**Format for Bank Guarantee for Performance Security**  
**(Performance Bank Guarantee)**

To  
 The Registrar  
 Indian Institute of Science (I.I.Sc.)  
 Bangalore – 560 012  
 Karnataka  
 India

Subject: Performance Bank Guarantee (PBG)

Reference: I.I.Sc. Purchase Order No. \_\_\_\_\_, dated \_\_\_\_\_

Dear Sir,

1. We hereby issue a Bank Guarantee as follows: -

Bank Guarantee No. \_\_\_\_\_ Date: \_\_\_\_\_

Amount of Guarantee Rs. \_\_\_\_\_,

Guarantee covers From \_\_\_\_\_ To \_\_\_\_\_

Last Date for Lodgement of Claim: \_\_\_\_\_

2. This deed of Guarantee executed by the (Name of the Bank: \_\_\_\_\_) constituted under \_\_\_\_\_ Act, \_\_\_\_\_ having its Central Office at \_\_\_\_\_ and amongst other places a branch at \_\_\_\_\_ (hereinafter referred to as "The Bank") in favour of The Registrar, Indian Institute of Science, Bangalore – 560 012 (hereinafter referred to as I.I.Sc.) for an amount of not exceeding Rs. \_\_\_\_\_ (in words: Rupees \_\_\_\_\_ only) at the request of M/s \_\_\_\_\_ (hereinafter referred to as the "Contractor" / "Supplier").
3. In consideration of The Registrar, Indian Institute of Science, Bangalore – 560 012 (hereinafter called I.I.Sc.) having entered into an agreement vide IISc's Purchase Order No. \_\_\_\_\_ dated \_\_\_\_\_ with M/s \_\_\_\_\_ (hereinafter called the Supplier) to carry out the supply and \_\_\_\_\_ installation of \_\_\_\_\_ the \_\_\_\_\_ <Name of the equipments/work/job> at Indian Institute of Science, Bangalore as per their above order, the Supplier agreed to execute a Bank Guarantee for 10% of the total

order value viz. Rs. \_\_\_\_\_ (Rupees \_\_\_\_\_ )  
towards Performance Security / Performance Guarantee obligation for a period  
of \_\_\_ year(s) / month(s) from \_\_\_\_\_ to \_\_\_\_\_.

4. We, the \_\_\_\_\_ Bank, \_\_\_\_\_ Branch (hereinafter referred to as a Guarantor) at the request of the supplier, irrevocably undertake to indemnify and to keep indemnify I.I.Sc. without any demur to the extent of Rs. \_\_\_\_\_ (Rupees \_\_\_\_\_) in the event of the aforesaid Supplier failing to comply the Warranty / contractual Obligations as per the agreed terms to the full satisfaction of the Company as mentioned in the I.I.Sc.'s purchase order.
5. NOW THIS BANK HEREBY GUARANTEES that in the event of the said Supplier failing to abide by any of the conditions referred in tender document / purchase order / performance of the equipment / Machinery / service, etc. this Bank shall pay to Indian Institute of Science, Bangalore on demand and without protest or demur Rs \_\_\_\_\_ (Rupees \_\_\_\_\_).
6. We \_\_\_\_\_ Bank, further agree that the Guarantee herein contained shall remain in full force and affect during the period that would be taken for the performance of the equipment and / or services as stated in the Purchase Order issued by I.I.Sc. and that it shall continue to be enforceable till the completion of the period and certified that warranty and contractual obligations have been fully carried out by the supplier and accordingly discharges the Guarantee subject. However, I.I.Sc. shall have no right under after the expiry of the Guarantee, i.e. \_\_\_\_\_ (date).
7. We, \_\_\_\_\_ Bank undertake not to revoke this Guarantee, during its currency except with the previous consent of I.I.Sc. in writing.
8. Notwithstanding anything contained herein,
  - (a) Our liability under the Bank Guarantee shall not exceed Rs. \_\_\_\_\_ (Rupees \_\_\_\_\_).
  - (b) This Bank Guarantee shall be valid up to \_\_\_\_\_.
  - (c) We are liable to pay the guaranteed amount or any part thereof under this Bank Guarantee only and only if I.I.Sc. serve upon us a written claim or demand on or before expiry of date (i.e. \_\_\_\_\_).
9. NOTWITHSTANDING anything contained herein above, our liability under this Guarantee is restricted to Rs. \_\_\_\_\_ (Rupees \_\_\_\_\_ only). Our guarantee shall remain in force until,

unless a Demand or claim under the guarantee is made on our Bank in writing on or before \_\_\_\_\_, all your rights under the said guarantee be forfeited and we shall be relieved and discharged from all liabilities thereunder.

10. This Bank further agrees that the decision of Indian Institute of Science, Bangalore as to whether the said Supplier has committed a breach of any of the conditions referred in tender document / purchase order shall be final and binding.
11. This Bank further agrees that the claims if any, against this Bank Guarantee shall be enforceable at our branch office at \_\_\_\_\_ situated at \_\_\_\_\_ (Address of local branch) as following details:

Name of the Bank	
Branch Name	
Branch Code	
IFSC Code	
E-mail Id	
Phone / Mobile No.	

Seal & Signature of the Bank