



**Indian Institute of Science (IISc)
Bangalore - 560012**

Department of Computational and Data Sciences (CDS)
IISc

Notice Inviting Tender (NIT) under
Two-Cover Bid System

for

Supply and Installation of Server-Grade Workstations

Enquiry or Tender No: [CDS/SV/DST_PROJECT-2022/HPC-VIS-CLIMATE/Purchase/2022/1](#)

Date: [August 8, 2022](#)

Prof. Sathish Vadhiyar
Department of Computational and Data Sciences (CDS)
Indian Institute of Science (IISc)
Bangalore – 560012, India
Email: vss@iisc.ac.in

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1. Preamble

As part of a project titled “High Performance Simulations and Visualization for Fine-Resolution Ocean Modelling” investigated by Profs. Sathish Vadhiyar (Department of Computational and Data Sciences), P Vinayachandran (Centre for Atmospheric and Oceanic Sciences) and Vijay Natarajan (Department of Computer Science and Automation), it is planned to procure 3 Nos. of Server-grade workstations. The detailed specifications are given below.

2. Technical Details

3 No's of workstations with the specification of each workstation as follows.

SNo	Component	Specification
1	Type	Assembled or Branded (Dell/HP/Equivalent)
2	Grade	Server-grade
3	Processor	(Intel Xeon 4XXX or W-2XXX series) or (AMD EPYC 7XXX series) or (AMD Ryzen Threadripper Pro 3XXXWX series)
4	Speed	Minimum 2.8 GHz
5	Total Number of Cores	Minimum 8
6	RAM	32 GB as one chip in one slot (expandable up to minimum 512 GB) ECC reg. DRAM, minimum 2933 MHz
7	SSD	2 TB NVMe M2 SSD
8	Hard Disk	2 TB SATA HDD 7200 RPM
9	Support for Video Cards	Should support NVIDIA RTX A4000 Graphics card.

10	Power Supply	Redundant power supply of Platinum Level (80%). The minimum PSU wattages should be suitable for the provided solution.
11	Type	(Max of 4U) Tower Pedestal or Stand-alone
12	OS	CentOS
13	Monitor, mouse, and keyboard	27'' monitor, keyboard, mouse
14	Motherboard	X16 (provides 40 Gbps speed) PCIe lanes for GPU and RAM with 16 UDIMM slots.

Commented [VN1]: Don't we want 16 slots at least to support 512GB (16 * 32GB)

Commented [SV2R1]: @Upkar Singh, Can you address this?

2.1 Warranty

Warranty services for the system should be valid for a period of 3 years from the date of installation of the equipment. The quotes prices must be inclusive of the warranty costs. During the warranty period, the bidder shall attend to all the hardware problems on site and shall replace the defective parts at no extra cost to the purchaser. During the warranty period, the bidder shall attend to all failures relating to software installation, configuration, management, and performance. Periodic maintenance wrt software upgrades, updates, and patches, as well as preventive maintenance, are the responsibilities of the bidder.

3. Possibility of Additional Procurements

Based on the budget availability, one or more of the following items may be procured from the successful bidder:

1. NVIDIA T1000 8GB, NVIDIA T400 2GB or equivalent base Graphics card that can be integrated with the provided solution. The specifications of the base card must be provided in the quote.
2. NVIDIA RTX A4000 8 GB Graphics card
3. NVIDIA RTX A4000 16 GB Graphics card
4. A 32 GB RAM card that can be integrated into one of the remaining slots. One or more of this may be procured.

Commented [VN3]: T400 2GB will be entry level. I see that the cost is approx 10K on Amazon. T1000 seems to cost approx 30-35K

Commented [SV4R3]: So, anything you want to change here?

Commented [VN5R3]: If you are looking for entry level cards for your workstations, then it may be good to replace T1000 with T400 2GB.

The bidder is required to provide the price of the above optional items in the quote as separate line items.

Commented [VN6]: as separate line items

4. Bidder's Eligibility Criteria

1. Should have supplied and installed similar (at least five) to any govt. institution/organization in India in the last one year
2. The bidder must have a proven record of maintaining and managing the similar system.
3. Bidders should include necessary document for establishing this with necessary proof in terms POS and customer contact details
4. Should produce authorization from the OEM, if the solution involves an OEM different from the bidder.
5. The bidder must comply with the provisions of Office Memorandum F/No/6/18/2019-PPD dated 23rd July 2020, issued by Public Procurement Division, Department of Expenditure, Ministry of Finance, GoI.
6. The solution offered must comply with the provisions of Public Procurement (Preference to Make in India) Order No P-45021/2/2017-PP (BE-II) dated 16th September 2020 issued by Public Procurement Section, Department for Promotion of Industry and Internal Trade, Ministry of

Commerce and Industry, GoI. The minimum local content, the margin of purchase preference and the procedure for preference to Make in India for this tender are as per the mentioned Public Procurement (Preference to Make in India) Order.

5. Acceptance Criteria

1. The systems should be installed, commissioned and demonstrated for the components and parameters specified in the bid and P.O by the successful bidder, for the solution to be accepted.
2. It is to be noted that maximum of two weeks will be available (after Installation & Commissioning) to the bidder to conform to this acceptance test criterion set out.
3. Any delay in commissioning or conformance to the acceptance beyond the stipulated time will result in extending the warranty: Each day of delay would result in 3 additional days of warranty.
4. This penalty clause is only applicable for solutions which are considered as technically meeting the requirements, as evaluated by the technical committee. The clause cannot therefore be used as an argument to qualify any solution, which the technical committee considers as not meeting the requirements.

6. General Terms and Conditions

1. Offer must be submitted under TWO-BID system i.e., “Technical bid” and “Price (Financial) bid” both by email to yss@iisc.ac.in and by hard copy to the indicated mailing address within the stipulated period.
2. Delayed and/or incomplete tenders are liable to rejection.
3. The Technical Bid and the Commercial Bid should be duly signed by the authorized representative of the bidder.
4. The bidders are requested to go through the Terms and Conditions detailed in this document, before filling out the tender. Agreeing to the terms and conditions of the tender document (by signing all pages of the copy of a tender document) is a mandatory requirement.
5. A tender, not complying with any of the above conditions is liable to rejection.
6. IISc reserves the right to cancel the tender at any time without assigning any reason whatsoever.

7. Organization of the Technical Bid

The technical bid should strictly be organized in the following sequence only.

Note: IISc reserves the right to disqualify any bid that does not provide all the required data and not following the organization given below.

1. A cover letter from the bidder. Among other things, the cover letter should certify that all the requirements of the tender are provided, and the offered solutions meet and comply with the technical and other specifications of the tender.
2. Undertaking as per the format in Annexure A.
3. A copy of the masked Commercial bid has to be given in the technical offer (unpriced Bill of Material (BoM)).
4. The copy of registration certificate or a declaration in compliance with the provisions stipulated in office memorandum F/No/6/18/2019-PPD dated 23 July 2020 issued by Public Procurement Division, Dept. of Expenditure, Ministry of Finance, GoI.
5. Certificates from bidder, as per format given in **Annexure B**, declaring the country of OEM, country of manufacture, location of local value addition and percentage of local contents for various

items provided in the bid, and compliance with the provisions of Public Procurement (Preference to Make in India) order No. P-45021/2/2017-PP (BE-II) dated 16th September, 2020 issued by Public Procurement Section, Department for Promotion of Industry and Internal Trade, Ministry of Commerce and Industry, GoI.

6. Technical details of the items required in the tender.
7. Terms and conditions of the offer.

8. Technical Bid – Terms and Conditions

1. The technical bid should contain all the information and should have the organization as given in the previous section. Bids without the specific information and organization as in the previous section will be automatically disqualified.
2. No price information must be mentioned in the technical bid. Vendors who include price information in the technical bids will be automatically disqualified.
3. Technical bids will be opened first. IISc may seek clarifications after opening of technical bids.

9. Commercial Bid – Terms and Conditions

1. Price bids of only technically qualified vendors will be considered. Commercial bid shall be opened for the technically qualified bidders after the technical evaluation.
2. The hardcopy commercial bid of the successful bidder, after the commercial bid opening stage, should contain among other things, unit prices, payment terms, warranty, installation, commissioning etc. as per requirements of IISc mentioned in the tender document. All such conditions must be in line with the tender. In case of any deviation or conditional offer, the bid may be treated as non-responsive and not be considered for evaluation. The Commercial bid should contain details of the prices for each one of the subsystems of the total offer clearly giving the rate and the quantity. Bundling of the prices is not acceptable.
3. This is a **local tender**. Quote should come only from Indian Original Equipment Manufacturer (OEM) or their Indian authorized distributor. Prices should be quoted only in INR (Indian Rupees) and will be with GST only. The order must be on FOR basis. No Custom Duty Exemption Certificate will be provided.
4. The component of tax, and any other statutory levies should be shown separately and not included in the total amount, to enable IISc to avail any exemption.
5. Proposals should contain the name and contact details, viz., phone, fax, and email of the designated person to whom all future communication will be addressed. The contact details should also be mentioned on the overall envelope.
6. Prices should be quoted in detail, for all the subsystems given in the Technical Specifications part of the tender. Further, bid and price validity should be for three months from the date of opening of the technical bids.
7. IISc will place the purchase order only on the successful bidder as per the decision of IISc. In this regard, decision of IISc will be final and binding.

10. Payment Terms

1. The total project cost will consist of Equipment supply and installation and comprehensive warranty for three years from the acceptance and successful installation as decided by IISc.
2. 100% payment shall be released by IISc against delivery, inspection, successful installation, commissioning, and acceptance of the equipment at IISc Bengaluru in good and functional condition and to the entire satisfaction of the Purchaser (IISc).

3. Payment will be subject to deduction of TDS as per rules / laws and any other deduction as per PO terms.
4. The total solution as per the agreed bill of materials must be supplied within 4 weeks after receiving a firm PO from IISc. The installation and acceptance must be completed within a week after supply of the equipment.
5. Liquidated Damage: As time is the essence for this procurement, hence the ordered materials are required to be delivered and installed in all respects within the stipulated period in the purchase order failing which penalty for late delivery and installation will be imposed at the rate 1% of the total order value per week or part thereof for the delayed period subject to maximum of 10% of the total order value and this liquidated damage will be deducted during the payment of the invoice / bill of the supplier. Earliest / expected delivery period should be clearly indicated in the technical bid.

11. Important Dates

1. Release of tender: August 8, 2022.
2. Last date for sending queries: August 15, 2022, 5 PM IST. Queries may be sent to vss@iisc.ac.in
3. Release of corrigendum to the tender based on the queries, if necessary: August 17, 2021, 5 PM IST.
4. Start date for submission of the bid: August 18, 10 AM IST.
5. Last date for submission of the bid: August 29, 5PM IST.

Mailing address:

Sathish Vadhiyar
Department of Computational and Data Sciences (CDS)
Indian Institute of Science (IISc), Bangalore – 560012, India

12. Annexure A - Undertaking

Date:

To:

Prof. Sathish Vadhiyar
Department of Computational and Data Sciences (CDS)
Indian Institute of Science
Bangalore – 560012, India

Subject: Undertaking as per GFR – 2017, Rule 170(iii)

Dear Sir,

We, the undersigned, offer to carry out the project including Products/items, components etc. as per tender at IISc, Bangalore, in response to your Tender No CDS/SV/DST_PROJECT-2022/HPC-VIS-CLIMATE/Purchase/2022/1. We are hereby submitting our proposal for the same, which includes Technical bid and the Financial Bid. As a part of the eligibility requirement stipulated in the said tender document, we hereby submit a declaration as given below:

1. We will not withdraw or amend or modify or impair or derogate the our bid partly or fully or any condition of it after tender opening, during the period of tender validity (six months from the date of opening of the technical bid),
2. In case, we are declared as successful bidder and an order is placed on us, we will submit the acceptance in writing within 7 days of placement of order on us.
3. In case, we are declared as successful bidder and an order is placed on us, we undertake, to submit the required Performance Security / Performance Bank Guarantee (PBG) /Security deposit within two weeks from the issue of the Letter of Intent / Purchase Order.
4. In case of failure on our part to to deliver/provide the item/installation/service as per the order's terms and conditions within the stipulated period, we are aware that we shall be declared as ineligible for the said tender and /or debarred from any future bidding process of IISc or any Government entity for a period of minimum one year.
5. The undersigned is authorized to sign this undertaking.

Yours sincerely,

Authorized Signatory:

Name and Title of Signatory:

e-mail:

Mobile No:

13. Annexure B – Certificate from Bidder related to Make in India Orders

To:
Prof. Sathish Vadhiyar
Department of Computational and Data Sciences (CDS)
Indian Institute of Science
Bangalore – 560012, India

We hereby certify that the goods being offered by us vide our proposal, comply with the provisions of Public Procurement (Preference to Make in India) Order No P-45021/2/2017-PP (BE-II), dated 16th September, 2020 issued by Public Procurement Section, Department for Promotion of Industry and Internal Trade, Ministry of Commerce and Industry, GoI.

We hereby certify the details pertaining to goods offered by us, as given below:

SNo.	Item Description	Make & Model No.	Country of Origin of OEM	Country and Location of Manufacture of Item	Location in India at which local value addition is made, if any.	Percentage of Local Content
1	Workstation					

Self-certification on Compliance to Make-in-India Order:

1. We hereby declare that

(Bidder Name) is a class 1/2 local supplier in accordance and manner as specified in Order No. P45021/2/2017-PP (BE-II) dated : 04th June 2020 and OM No. P-45021/102/2019-BE-II-Part(1) (E-50310) dated 04.03.2021 issued by DIPP, Ministry of Commerce and Industries, GoI.

2. We also certify that the turnkey solution offered meets the local content requirement for 'Class-I local supplier'/'Class-II local supplier' [tick one and strike out the other], as per the Public Procurement (Preference to Make in India) Order.

We also certify that, we are not from a country sharing land border with India as defined in order No. F/No/6/18/2019-PPD dated 23 July 2020 issued by Public Procurement Division, Dept. of Expenditure, Ministry of Finance, GoI and the goods offered by us comply with the provisions of said order.

For (Name of bidder)

Authorized Signatory
Name & Designation:
Mobile No: