



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

## **NOTICE INVITING TENDER**

under the two-cover bid format

*for*

**Supply and Installation of Master Node, Compute Node  
and GPU Cards at IISc Bangalore [M.Tech. (AI) Labs]**

Tender No: IISc/P/EE/CSS/MTech-AI/2021-22/06

Date: 11<sup>th</sup> February 2022

The Chair  
Department of Electrical Engineering  
Indian Institute of Science  
Bangalore 560012  
Email: [mtechoffice.ai@iisc.ac.in](mailto:mtechoffice.ai@iisc.ac.in)

## I. 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 under 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.

Quotations should come only from **Indian Original Equipment Manufacturers** (OEMs) or authorized Indian distributors. The quotations should be on FOR-IISc Bangalore basis in INR only.

Detailed technical specifications are mentioned in the subsequent sections.

The bids must be submitted in two-cover bid format.

### Schedule of Events

Tender Publishing Date	11 <sup>th</sup> February 2022
Pre-Bid clarification end date (by email) (An online Pre-bid clarification meeting may be held if required) Email ID: mtechoffice.ai@iisc.ac.in	18 <sup>th</sup> February 2022
Deadline for submission of bids (before 5.00 PM)	1 <sup>st</sup> March 2022
The bids in two-cover format should be sent by Registered Post/Courier to	<b>The Chair Department of Electrical Engineering Indian Institute of Science CV Raman Road Bengaluru – 560012</b> Mention the following reference on the cover: <b>M.Tech. (AI) Lab Master Node, Compute Node and GPU Cards</b> <b>Ref:</b> IISc/P/EE/CSS/MTech-AI/2021-22/06
Opening of technical bids	4 <sup>th</sup> March 2022
Listing of technically qualified bidders	To be declared later
Opening of commercial bids	To be declared later

## II. Technical Specification

### Supply and Installation of Master Node, Compute Node and GPU Cards at IISc Bangalore [M.Tech. (AI) Lab]

Bids are invited for the following:

Sl. No.	Specification	Quantity
1	Master node (role - house the data storage) and with a user login <ul style="list-style-type: none"><li>4x8TB or 8x4TB (32 T) storage space with RAID-5 configuration</li></ul>	1 No.
2	Compute nodes (2 No.) (4U/5U) rack mountable (role - computations for deep learning). Each of these should have following specifications <ul style="list-style-type: none"><li>256GB RAM</li><li>128 cores</li><li>8 GPU slots (of A5000/A6000 nature) with sufficient cooling.</li><li>Intel/AMD dual motherboard</li><li>2TB of disk space</li><li>USB ports - 3/4</li><li>Network switch and appropriate cables</li></ul>	2 No.s
3	GPU cards <ul style="list-style-type: none"><li>GPU cards of Nvidia A6000 (Zotac or GigaByte preferred) with 48GB memory</li></ul>	16 No.s
4	Installation/OS <ul style="list-style-type: none"><li>RAID storage with backup</li><li>Rocks-7 cluster suite/CentOS-7.4 or above</li><li>Deep learning software (CUDA, PyTorch, Tensorflow etc.)</li></ul>	
5	Warranty for all parts (Minimum 3-years onsite comprehensive warranty must be included)	3-year

**NOTE:** The actual quantity for which the order will be placed may be slightly more or may be less than the one indicated in this tender depending on the commercial terms of the successful bidder and funds available at our disposal.

## Instructions to bidders

- A. The Bidder should belong to either Class 1 or Class 2 supplier distinguished by their “local content” as defined by recent edits to GFR. They should mention clearly which class they belong to in the cover letter.
  - a. Class 1 supplier: Goods and services should have local content of equal to or more than 50%.
  - b. Class 2 supplier: Goods and services should have local content of equal to or more than 20 % and less than 50%.
- B. Purchase preference as defined by the recent edits to GFR (within the “margin of purchase preference”) will be given to Class-1 supplier.
- C. MSME can seek exemption to some qualification criteria. IISc follows GFR2017 for such details
- D. Separate detailed justification needs to be given to substantiate the qualification as Class 1 and Class 2 suppliers and the intender reserves the right to cross-check the factual validity of the same and one if some foreign parts or equipment is being put forward then please submit the “*bill of material*” details for the same for evaluation.

### 1. Two-cover format

The quotations should be submitted by reputed domestic vendors in a **two-cover format** comprising a technical bid and a commercial bid. The envelopes should be sealed and marked clearly as “**Envelope No. 1 – Technical Bid**” and “**Envelope No. 2 – Commercial Bid.**” The two sealed envelopes must be put in a bigger cover, which should also be sealed and contain the tender number and due date. The bigger cover should be super-scribed with “**M.Tech. (AI) Lab Master Node, Compute Node and GPU Cards Ref: IISc/P/EE/CSS/MTech-AI/2021-22/06.**” All covers should bear the **name, complete postal address, and contact (mobile/landline) number of the bidder.** Bids must be submitted in hard copy only. Bids sent by **email will not be accepted.**

### 2. Technical bid

The technical bid should contain:

- (i) the name, complete postal address, GSTIN, PAN, and contact details viz. email ID / Contact (mobile/landline) number of the bidder.
- (ii) the unpriced bill of material with quantities of each line item
- (iii) a datasheet for the product/model suggested. Any deviations from the required specifications must be mentioned explicitly.
- (iv) Class Certificate: **Class 1 or Class 2** supplier distinguished by their “**local content**” as defined by recent edits to GFR
- (v) IISc Vendor Code

The technical bid should not contain any price information. Non-compliance will lead to a rejection of the bid at the discretion of the technical evaluation committee.

### 3. Commercial bid

The commercial bid must include the price of the item in Indian currency, indicating installation and commissioning, warranty and maintenance charges, applicable taxes, GST, and total. The prices must be given for each line item separately. **Bundling of prices is not acceptable and may lead to disqualification of the bid.** Installation and commissioning charges, if any, must be quoted as a separate line item - these will be paid only after successful supply, installation, and acceptance.

### 4. Warranty terms

- Warranty services for the system supplied by the successful bidder should be valid for a period of three years from the date of successful installation and acceptance of the equipment.
- During the warranty period, the bidder shall be fully responsible for the manufacturers' warranty in respect of proper design, quality, and workmanship of all the systems supplied.
- During the warranty period, preventive maintenance and repairs of equipment supplied by the bidder are the responsibilities of the bidder. The bidder shall attend to all the hardware problems on site and also replace the defective parts at no extra cost to the purchaser.

### 5. Evaluation of bids

The technical bid will be evaluated first. Technical bids not meeting the specifications and tender requirements will be disqualified. The commercial bids of technically qualified bidders will be opened subsequently. The date and time of opening the commercial bid of Technically qualified bidders will be intimated later. The lowest bid will be identified as the successful bid. In computing the commercial offer, the cost of the equipment, will be identified as the successful bid. In computing the commercial offer, the cost of the equipment, software (if any), installation and commissioning charges, and warranty charges will be included. The actual quantity for which the order will be placed may be slightly more or may be less than the one indicated in this tender depending on the commercial terms of the successful bidder and funds at our disposal.

### 6. Additional guidelines

- If multiple systems can fulfil the requirements, vendors can submit multiple bids.
- The equipment must be supplied within **four weeks** after receiving a firm purchase order from IISc and the installation must be completed within a week after supply.
- A copy of the masked commercial bid (without indicating price) must be given in the technical offer. If price is indicated in the technical bid, then such bid will be declared technically disqualified.
- Delayed or incomplete tenders are liable to be rejected.
- The Technical and Commercial bids should be duly signed (on all pages) by an authorized representative of the bidder.

- Offer must be in Rupees (INR) offer. The GST at concessional rate should be shown separately in the BOQ. **IISc is eligible for 5% GST under concessional certificate, as it is registered with DSIR.**
- Offer should be valid for at least 90 days from the actual date of technical bid opening.
- IISc will place the purchase order only on the successful bidder.
- 100% payment will be released after **complete delivery** and **satisfactory installation**. Payment will be subject to deduction of TDS as per rules/laws.

### **III. Guidelines for Bid Submission**

Quotations should come only from Indian Original Equipment Manufacturers (OEMs) or authorized Indian distributors. The quotations should be on FOR-IISc Bangalore basis in INR only.

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 technical bid.
- Commercial bid compliance (without quoted price).
- Supporting technical materials for the items.
- Supporting documents listed.
- 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 price with per quantity and total prices for every line item. Prices must be quoted on FOR-IISc Bangalore basis in INR.
- IISc Vendor Code

**Note:**

1. Prices of items in this tender's Commercial Bid must **NOT** be mentioned in the Technical Bid.
2. The line items in the Commercial (Price) Bid must be quoted in INR.
3. The commercial bid must be valid for at least 90 days from the actual date of opening of the technical bid.
4. A tender not complying with any of the above conditions is liable to be rejected. Incomplete proposals are liable to be rejected.
5. IISc reserves the right to modify the technical specifications or the required quantities or schedule of event at any time.
6. IISc reserves the right to accept or reject any proposal, in full or in part, without assigning any reason.