



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

Department of Computational and Data Sciences (CDS)  
IISc

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

for

**B-Check for 3x750 KVA DGs  
[Local Tender]**

**Enquiry or Tender No: [IISc/SERC/2024/B-Check/1](#)**

**Date: [May 29, 2024](#)**

Chair

Supercomputer Education and Research Centre (SERC)

Indian Institute of Science (IISc)

Bangalore – 560012, India

Email: [tender.serc@iisc.ac.in](mailto:tender.serc@iisc.ac.in)

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## 1. Preamble and Schedule of Requirements

The Supercomputer Education and Research Centre (SERC) in Indian Institute of Science (IISc) is a leading supercomputing centre in the country, possessing state-of-the art computing facilities, catering to the ever-increasing demands of high performance computing for scientific and engineering research. The supercomputer systems in SERC are used for large-scale simulations in various scientific domains.

This tender calls for providing B-check services for 3x750 KVA DGs in SERC.

## 2. Bidder's Eligibility Criteria

The bidder must have provided AMC services for similar DG systems of at least 250 KVA in at least one site during the period January 1, 2021 – December 31, 2023. **Supporting Document Needed:** A copy of the P.O. or payment proof and contact information of the person-in-charge at the sites.

## 3. Technical Details

### **B-Check for 3\*750KVA DG SETs**

The details of the DGs are as under:

Sl.No	Technical specifications	DG #1	DG #2	DG #3
1	Capacity	750 KVA	750 KVA	750 KVA
2	Make	Cummins India Ltd.	Cummins India Ltd.	Cummins India Ltd.
3	Engine Sl. No	25387397	25385963	25387396
4	ENGINE MODEL	KTA38-G2-I	KTA38-G2-I	KTA38-G2-I
5	gen/equip model	HCI634W1	HCI634W1	HCI634W1
6	Alternator Sl.No	N13C113794	N13C113787	N13C113880

## **SCOPE OF WORK**

**Note: - At “B” maintenance check, perform all the “A” checks in addition to the following**

Carry out B - Check for M/s Cummins make Diesel Engine which shall include all works mentioned below:

### **Air system**

1. Check condition of element for chocking/ torn sealing and attend same.
2. Check and ensure proper condition of Pre-Cleaner.
3. Check and change Air cleaner element if required.
4. Check and ensure proper condition of air hose.
5. Check and clean breather.
6. Inspect exhaust line and rectify leakage, if any

### **Fuel system**

1. Change fuel filter element.
2. Check hose condition: fuel supply & drain line.
3. Check air piping.
4. Check & clean the tank and Non-Return Valve and attend the same, if required
5. Inspect the fuel system and attend same, if required

### **Lubricating system:**

1. Change lube oil and filters.
2. Change the full-flow filter and by-pass filter.
3. Check Lube Oil Pressure and temperature (LOP) Gauge
4. Check the filter for any metal particles due to wear and tear of any part inside engine.
5. Clean/change crankcase breather, if required.
6. Check/Change Governor oil.
7. Change super Lub oil by-pass filter elements.

Note: Use lubricating oil, meeting specifications and genuine Cummins filters for engines

### **Cooling System:**

1. Check and ensure proper coolant Ph value.
2. Check and ensure proper coolant concentration.
3. Check and ensure proper Cleaning of Breather.
4. Check and ensure proper Water Temp. Gauge and
5. Check and ensure proper Radiator inlet & outlet water temperature difference. If found less, then the radiator should be cleaned.

## **COMPULSORY CHANGE/REPLACEMENT ITEMS DURING B CHECK**

1. Fuel filter
2. Seal O Ring
3. Element lube oil filters
4. Kit Super bypass filter element

5. Kit air filter element
6. Oil bypass filter element
7. Fuel water separator
8. Inhibitor corrosion
9. Engine oil \_Valvoline premium Blue 7800 Plus

These necessary items should be provided by the bidder and should be included in the quote.

#### **4. 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. The cover letter should certify agreeing to all the terms and conditions mentioned in the tender.
2. The bidder must not be blacklisted by any Central / State Govt. Organizations of India as on date of submission of the bids. A certificate or undertaking to this effect must be submitted.
3. Proofs for Bidder's Eligibility Criteria as given in Section 2 of this tender.
4. Undertaking as in **Annexure A**.
5. Terms and conditions of the offer.
6. Appendix
  - a. Company Profile Documents, if desired by the bidder (Maximum 2 pages).
  - b. Supporting technical materials including brochures.
  - c. Any other information or documents that the bidder deem necessary.

#### **5. General Terms and Conditions**

1. Offer must be submitted under ONE-BID system consisting of both Technical and Price (Financial) bids as hard copies in a single sealed envelope superscribed as "Bid Submission for B-Check for 3x750 KVA DGs" within the stipulated period to the indicated mailing address. In addition, soft copy of the bid must be sent by email to [tender.serc@iisc.ac.in](mailto:tender.serc@iisc.ac.in) within the stipulated time.
2. Delayed and/or incomplete tenders are liable to be rejected.
3. The 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 be rejected.
6. IISc reserves the right to cancel the tender at any time without assigning any reason whatsoever.

#### **6. Bid – Terms and Conditions**

1. The technical bid should contain all the information and should have the organization as given in Section 4. Bids without the specific information and organization as in Section 4 will be automatically disqualified.
2. The technical evaluations will be made only based on the technical bids and the shortfall responses submitted by the bidder.
3. Price bids of only technically qualified vendors will be considered.

4. The hardcopy commercial bid of the successful bidder, after the commercial bid opening stage, should contain among other things, unit prices, B-check prices for each of the systems mentioned in Section 3, payment terms, 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. Bundling of the prices is not acceptable.
5. This is a **local tender**. Quote should come only from Indian organization. Prices should be quoted only in INR (Indian Rupees) and will be with GST only.
6. 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.
7. 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.
8. 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 six months** from the date of opening of the technical bids.
9. 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.

## 7. Payment Terms

1. 100% payment shall be released by IISc against the completion of B-check, acceptance of at IISc Bangalore and to the entire satisfaction of the Purchaser (IISc).
2. Payment will be subject to deduction of TDS as per rules / laws and any other deduction as per PO terms.
3. The B-check must be carried out as per the agreed bill of materials **within 2 weeks** after receiving a firm PO from IISc.

## 8. Important Dates

1. Release of tender: May 29, 2024.
2. Start date for submission of the bid: May 30, 2024, 10 AM IST.
3. Last date for submission of the bid: June 20, 2024, 5 PM IST.
  - a. Hard copy submission: The bid in the form of an envelope containing the hard copies of the bids, in a sealed envelope, should be submitted and reach the below-mentioned mailing address by the same date, 6 PM IST. Note that the hard copy of the bid should exactly match with the soft copy submitted.
  - b. Soft copy submission: Soft copy of the bid must be sent by email to [tender.serc@iisc.ac.in](mailto:tender.serc@iisc.ac.in) by the above-mentioned time.

### Mailing address:

Chair  
Supercomputer Education and Research Centre (SERC)  
Indian Institute of Science (IISc)  
Bangalore – 560012  
India

## 9. Annexure A - Undertaking

Date:

To:  
The Chair  
Supercomputer Education and Research Centre  
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 **IISc/CAMC/SERC/2024/UPS\_Batteries/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 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 of failure on our part 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.
4. The undersigned is authorized to sign this undertaking.

Yours sincerely,

Authorized Signatory:

Name and Title of Signatory:

e-mail:

Mobile No: