



IUCAA

Tender for
Supply, Installation & Integration of 2 PB Parallel File
System Storage

at
Inter-University Centre for Astronomy and Astrophysics

Post Bag -4, Ganeshkhind, Savitribai Phule Pune University Campus,
Pune 411 007.

Technical Bid



IUCAA

Technical Bid

Supply, Installation & Integration of 2 PB Parallel File
System Storage
at

Inter-University Centre for Astronomy and Astrophysics (IUCAA)
Post Bag 4, Ganeshkhind, Savitribai Phule Pune University Campus,
Pune 411 007, India

Name of Work : Supply, Installation & Integration of 2 PB Parallel File System Storage
at IUCAA

Name of Vendor / Firm / Company

Postal Address

Telephone Off.

Telex / Fax

Email ID

Signature & Seal of Bidder



Supply, Installation & Integration of 2 PB Parallel File System Storage

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Copy of Newspaper Advertisement

Supply, Installation & Integration of 2 PB Parallel File System Storage at IUCAA

The Director, Inter-University Centre for Astronomy & Astrophysics, Savitribai Phule Pune University Campus, Ganeshkhind, Pune – 411007, invites technical & financial bids for "**Supply, Installation & Integration of 2 PB Parallel File System Storage at IUCAA**", from reputed OEM or through single Authorised Partner.

Interested parties may view and download the tender document from Government Central Procurement Portal <http://eprocure.gov.in/eprocure/app>, and the same is also available on IUCAA's website <https://www.iucaa.in/tenders>. IUCAA reserves the right to reject any or all of the tenders without assigning any reasons.

Administrative Officer (Purchase)

SECTION – I

TENDER NOTICE

Inter-University Centre for Astronomy and Astrophysics (IUCAA), Post Bag 4, Ganeshkhind, Savitribai Phule Pune University Campus, Pune 411 007, invites tenders in two-bid system, i.e., “Technical Bid” and “Financial Bid” from OEM or through Single Authorised Partner for “Supply, Installation & Integration of 2 PB Parallel File System Storage at IUCAA”

Date tender available on CPPP	: From 06/12/2019 from 1400 hrs.
Tender fees	: Rs. 1,500/- (One Thousand Five Hundred Only)
Submission of questionnaire for Pre-Bid Meeting	: 16/12/2019 up to 1700 hrs
Pre-Bid Meeting	: 17/12/2019 at 1500 hrs.
Bid Submission Start Date	: 20/12/2019 at 1100 hrs
Closing date & time for receipt of tender	: 31/12/2019 at 1500 hrs.
Tender opening date & time	: 02/01/2020 at 1500 hrs.
Place of tender opening	: IUCAA’s office
Earnest Money Deposit (EMD)	: Rs.2,00,000/- (Rs. Two Lacs Only)

- 1) IUCAA intends to buy the Parallel File System Storage (PFS) in two phases for the already existing cluster listed at <https://ldas-doc.gw.iucaa.in/index.php>. In Phase-1, minimum 500 TB usable capacity with necessary components for expanding up to 2 PB usable capacity, will be procured. In phase-2, additional disks, enclosures, additional controllers (if required) etc. to reach 2 PB usable capacity will be procured within 12 months of Phase 1. Therefore, the bidder is expected to quote for Phase-1 and Phase-2 separately. L1 will be decided on combined Phase-1 & Phase-2 proposals and the phase wise order and payment will be done accordingly. Bidder has to quote for both phases, otherwise his quote shall be summarily rejected
- 2) Bidders shall ensure that their tenders, complete in all respects, are uploaded at <https://eprocure.gov.in/eprocure/app> on or before the closing date and time indicated as above,
- 3) IUCAA intends to buy the Parallel File System Storage (PFS) in two phases for the already existing cluster listed at <https://ldas-doc.gw.iucaa.in/index.php>.
- 4) Tender fees & EMD should be paid through NEFT/RTGS only and photo copy of transaction ID or UTR no. must be provided. attached along with the technical bid only. Tender fees and EMD will be waived in case of firms registered under National Small Industries Corporation (NSIC) / Micro Small & Medium Enterprises (MSME).
- 5) In the event of any of the above mentioned dates being declared as a holiday / closed day for IUCAA, the tenders will be sold/received/opened on the next working day at the appointed time.
- 6) The Administrative Officer (Purchase), IUCAA, Pune - 411007 on behalf of IUCAA reserves the right to postpone the date of opening of tender without assigning any reason.
- 7) Tender in which any of the prescribed condition (s) is not fulfilled or any condition including that of conditional rebate is put forth by the bidders, shall be summarily rejected. However, the tenders with unconditional rebate will be acceptable.
- 8) IUCAA reserves the right to reject any or all of the tenders without assigning any reasons.

Administrative Officer (Purchase)
Inter-University Centre for Astronomy and Astrophysics,
Post Bag 4, Ganeshkhind, Pune 411 007
Tel. (020) 25604100 / 25691414, Fax (020) 25604699

SECTION - II
Technical Bid Form
Supply, Installation & Integration of 2 PB Parallel File System Storage
at IUCAA

01	Name & address of the Bidder (Company details)	
02	Nature of Business & Establishment Year	
03	Contact Person : Name : Designation : Mobile : E-mail :	
04	Telephone Nos. Mobile no.: , Fax No : E-Mail :	
05	Copy of Shop Act License / Company registration / Certificate of Incorporation of SI & OEM	
06	Copy of GST to be enclosed	
07	Copy of PAN to be enclosed	
08	List of any arbitration cases/legal disputes on Current/previous projects - Mention name of project, reason for dispute, party filing the suit and current status)	
09	List any awards, recognitions on previously executed projects	
10	Office Address of the OEM at Pune	
11	Office Address of the SI at Pune	
12	OEM Authorisation Letter (copy be enclosed)	
13	Tender fees paid (copy to be enclosed)	
14	EMD paid (copy to be enclosed)	
15	Prepared and Submitted by (Name & Signature)	

Notes -

- The vendor / bidder has to fill / complete the technical bid form in all respect. Every statement made in the technical bid format should be supported by documentary proof for consideration and all pages of the tender should be signed by authorized person in this behalf. Otherwise the tender is liable to be rejected.
- The technical bid form and related documents have to be arranged in chronological order and to be uploaded along with the technical bid.

(to be printed on company's letter head)

SECTION - III

GENERAL CONDITIONS OF THE CONTRACT

1. Introduction:

- 1.1 The Purchaser has issued these tender enquiry documents for purchase of goods and/or services as mentioned in Annexure-II which also indicates, inter alia, the required delivery schedule and terms & place (i.e. destination) of delivery.
- 1.2 This section provides the relevant information as well as instructions to assist the prospective bidders in preparation and submission of tenders. It also includes the mode and procedure to be adopted by the purchaser for receipt and opening as well as scrutiny and evaluation of tenders and subsequent placement of contract.
- 1.3 Before formulating the tender and submitting the same to the purchaser, the bidder should read and examine all the terms, conditions, instructions etc. contained in the tender documents. Failure to provide and/or comply with the required information, instructions etc. incorporated in these tender documents may result in rejection of its tender.

2. Language of Tender: The tender submitted by the bidder and all subsequent correspondence and documents relating to the tender exchanged between the bidder and the purchaser, shall be written in the English language, unless otherwise specified in the tender enquiry. However, the language of any printed literature furnished by the bidder in connection with its tender may be written in any other language provided the same is accompanied by an English translation and, for purposes of interpretation of the tender, the English translation shall prevail.

3. Eligible Bidders: This invitation for tenders is open to all suppliers who fulfill the eligibility criteria specified in these documents and Annexure I.

4. Eligible Goods and Services: All goods and related services to be supplied under the contract shall have their origin in India or other countries, subject to any restriction imposed in this regard. The term “origin” used in this clause means the place where the goods are mined, grown, produced, or manufactured or from where the related services are arranged and/or supplied.

5. Tendering Expenses: The bidder shall bear all costs and expenses incurred and/or to be incurred by it in connection with its tender including preparation, mailing and submission of its tender and for subsequent processing the same. The purchaser will, in no case be responsible or liable for any such cost, expenses etc regardless of the conduct or outcome of the tendering process.

6. Content of Tender Enquiry Documents: The relevant details of the required goods and services, the terms, conditions and procedure for tendering, tender evaluation, placement of contract, the applicable contract terms and, also, the standard formats to be used for this purpose are incorporated in the above-mentioned documents. The interested bidders are expected to examine all such details etc to proceed further.

7. Amendments to Tender Enquiry Documents:

- 7.1 At any time prior to the deadline for submission of tenders, the purchaser may, for any reason deemed fit by it, modify the tender enquiry documents by issuing suitable amendment(s) to it.
- 7.2 Such an amendment will be uploaded on CPP Portal and the same will be binding on all prospective bidders.

7.3 In order to provide reasonable time to the prospective bidders to take necessary action in preparing their tenders as per the amendment, the purchaser may, at its discretion extend the deadline for the submission of tenders and other allied time frames, which are linked with that deadline.

8. **Clarification of Tender Enquiry Documents & Pre Bid Meeting:** A Pre Bid meeting will be held at IUCAA, Pune on **17/12/2019 at 1500 hrs** to discuss and resolve the queries and doubts, if any from the prospective bidders. Clarifications / questionnaire sought should be sent by email to purchase@iucaa.in latest by the date and time mentioned in the tender document **17:00 hrs on 16/12/2019**. Clarifications / discussions / minutes of the pre-bid meeting will form a part of the tender document.

9. **Contacting the Purchaser:**

9.1 From the time of submission of tender to the time of awarding the contract, if a bidder needs to contact the purchaser for any reason relating to this tender enquiry and / or its tender, it should do so only in writing to Administrative officer (Purchase).

9.2 In case a bidder attempts to influence the purchaser in the purchaser's decision on scrutiny, comparison & evaluation of tenders and awarding the contract, the tender of the bidder shall be liable for rejection in addition to appropriate administrative actions being taken against that bidder, as deemed fit by the purchaser.

10. **Corrupt or Fraudulent Practices :** IUCAA requires that the bidders who wish to bid for this project have highest standards of ethics. IUCAA will reject a bid if it determines that the Bidder recommended for award has engaged in corrupt or fraudulent practices while competing for this contract. IUCAA may declare a vendor ineligible, either indefinitely or for a stated duration, to be awarded a contract if at any time it determines that the vendor has engaged in corrupt and fraudulent practices during the execution of contract.

11. **Interpretation of the clauses in the Tender Document/Contract Document :**In case of any ambiguity/dispute in arising out of or related to(including the interpretation of any of the clauses in this tender document/purchase order/contract, decision of the Director, IUCAA or his nominee shall be final and binding on all parties.

12. **Tender currencies:**

12.1 Unless otherwise specified, the bidder shall quote only in Indian Rupees or universal accepted currency.

12.2 Where the tender condition specifies acceptance of quotations in different currencies, then, for domestic goods, prices shall be quoted in Indian rupees only and for imported goods, prices shall be quoted either in Indian rupees or in the currency of the country of origin of goods or universally accepted currency. As regards price(s) for allied services, if any required with the goods, the same shall be quoted in Indian Rupees if such services are to be performed / undertaken in India. Service charges for Indian agent, if any and if payable shall be indicated in the space provided for in the price schedule and quoted in Indian Rupees only.

13. Tender Prices:

- 13.1 The Bidder shall indicate on the Financial Bid provided, the prices of all the specified services/components shown therein including the unit prices and total tender prices of the goods and services it proposes to supply against the requirement. All the columns shown in the Financial bid should be filled up as required. If any column does not apply to a bidder, the bidder should clarify it accordingly.
- 13.2 The quoted prices for services offered from within India and that for services offered from abroad are to be indicated separately in the applicable Financial Bid.
- 13.3 Vendor has to quote on FOR (free on road) IUCAA, Pune basis. All related expenses like freight, insurance, custom clearing charges, transport, loading, unloading, crane charges, mathadi charges if any etc shall be borne by the bidder. IUCAA will provide Custom Duty Exemption Certificate.
- 13.4 **Firm Price:** The prices remain valid and firm till the date of delivery

14. Customs Duty:

- 14.1 In respect of imported stores offered from abroad, the bidder shall specify the rate as well as the total amount of customs duty payable. The bidder shall also indicate the corresponding **Indian Customs Tariff Number** applicable for the goods in question. IUCAA will provide customs duty exemption certificate if required under Government Notification No.51/96-Customs dated 23.07.1996 & No.24/2007-Customs dated 01.03.2007.
- 14.2 The need for indication of all such price components by the bidders, as required in this clause is for the purpose of comparison of the tenders by the purchaser and will no way restrict the purchaser's right to award the contract on the selected bidder on any of the terms offered.
- 14.3 IUCAA will provide customs duty exemption certificate against explicit demand from the bidder. If there is any difference in customs duty the same will be reimbursed to the bidder against submission of proof of payment made by them. The vendor has to provide HSN code numbers against demand of customs duty exemption certificate.

15. Documents establishing Good's Conformity to Tender Enquiry document.:

- 15.1 The bidder shall provide in its tender the required as well as the relevant documents like technical data, literature, drawings etc. to establish that the goods and services offered in the tender, fully conform to the goods and services specified by the purchaser in the tender documents. For this purpose, the bidder shall also provide a clause-by-clause commentary on the technical specifications and other technical details incorporated by the purchaser in the tender documents to establish technical responsiveness of the goods and services offered in its tender. In case, there is any variation and/or deviation between the goods & services prescribed by the purchaser and that offered by the bidder, the bidder shall list out the same in a chart form without ambiguity and provide the same along with its tender.
- 15.2 If a bidder furnishes wrong and/or misleading data, statement(s) etc. about technical acceptability of the goods and services offered by it, its tender will be liable to be ignored and rejected in addition to other remedies available to the purchaser in this regard.

16. Earnest Money Deposit (EMD): The earnest money is required to protect the purchaser against the risk of the bidder's unwarranted conduct as amplified under GCC.

- 16.1 The amount of EMD will be Rs.2,00,000/- (Rs. Two Lacs Only).

- 16.2 The earnest money shall be denominated in Indian Rupees.
- 16.3 The earnest money shall be furnished through NEFT/RTGS only:
Bank details are as follows: -
Name of the Beneficiary - Inter-University Centre for Astronomy & Astrophysics
Name of the Bank - Bank of Baroda, A/C No - 98060100000188
Bank Account - Saving Bank Account, MICR NO. - 411012053,
Address of the branch - Bank of Baroda, IUCAA Extension counter,
Pune University Campus, Pune -411007., Branch Code-EXTPOO,
IFSC Code - BARB0EXTPOO, Swift Code-BAR B IN BB PCB
- 16.4 Unsuccessful bidder's earnest money will be returned to them without any interest. In case of the bidder(s) whose offer is accepted, the EMD will be converted in to **Performance Security**. EMD will be waived in case of firms registered under National Small Industries Corporation (NSIC) / Micro Small & Medium Enterprises (MSME) subject to submission of proof.
- 16.5 EMD of a bidder will be forfeited, if the bidder withdraws or amends its tender or impairs or derogates from the tender in any respect within the period of validity of its tender. The successful bidder's earnest money will be forfeited if he fails to furnish the balance amount of performance security within the specified period.

17. Tender Validity:

- 17.1 The tenders shall remain valid for acceptance for a period of 14 months after the date of tender opening prescribed in the tender document. Any tender valid for a shorter period shall be treated as unresponsive and rejected.
- 17.2 In exceptional cases, the bidders may be requested by the purchaser to extend the validity of their tenders up to a specified period. Such request(s) and responses thereto shall be conveyed by mail or by fax followed by surface mail. The bidders, who agree to extend the tender validity, are to extend the same without any change or modification of their original tender and they are also to extend the validity period of the EMD accordingly. However, a bidder who does not agree to extend its tender validity, his EMD will not be forfeited, but his tender will not be considered for further process.
- 17.3 In case the day up to which the tenders are to remain valid falls on/ subsequently declared a holiday or closed day for the purchaser, the tender validity shall automatically be extended up to the next working day.

18. Preparation of Bids:

- 18.1 For preparation of bid, the bidders shall search the tender from published tender list available on site and download the complete tender document and should take into account corrigendum if any published before submitting their bids.
After selecting the tender document same shall be moved to the 'My favourite' folder of bidders account from where bidder can view all the details of the tender document.
- 18.2 Bidder shall go through the tender document carefully to understand the documents required to be submitted as part of the bid. Bidders shall 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.
- 18.3 Any pre-bid clarifications if required, then same may be obtained online through the tender site, or through the contact details given in the tender document.
- 18.4 Bidders should get ready in advance the bid documents in the required format

(PDF/xls/rar/dwf/jpg formats) to be submitted as indicated in the tender document/schedule. **Bid documents may be scanned with 100 dpi with black and white option which helps in reducing size of the scanned document.**

- 18.5 Bidders can update well in advance, the documents such as experience certificates, annual report, PAN, GST & other details etc., under “My Space/ Other Important Document” option, which can be submitted as per tender requirements. This will facilitate the bid submission process faster by reducing upload time of bids.
- 18.6 The tender documents may be downloaded from <http://eprocure.gov.in/eprocure/app> till the last date of submission of tender. The Tender must be submitted online through CPP Portal <http://eprocure.gov.in/eprocure/app>
- 18.7 **The bidder should submit the bid online in two parts viz. Technical Bid and Financial Bid.** Technical Bid in cover-1 and Financial Bid in “.Xls” format in cover-2

19. Submission of Technical and Financial Bids:

- 18.1 All pages of the bid (except for un-amended printed literature) shall be initialed by the person or persons signing the bid. The bidder's name stated on the proposal shall be the exact legal name of the firm.
- 18.2 Any other condition or guideline for submission of the bids shall be notified by IUCAA if it finds necessary.
- 18.3 IUCAA may, at its discretion, extend the deadline for the submission of bids by amending the bidding documents, in which case all rights and obligations of IUCAA and Bidder previously subject to the deadline will thereafter be subject to the deadline as extended.
- 18.4 At any time prior to the deadline for submission of bids, IUCAA may, for any reason, whether at its own initiative or in response to a clarification requested by a prospective bidder, notify changes in the bidding documents through an amendment.
- 18.5 The amendments, if any, shall be notified on the CPPP portal and the amendments shall be binding on all the bidders. Hence, the bidders shall view the notification in complete before submitting their bids.
- 18.6 The bidder responding to announcement shall be deemed to have read and understood the documents in complete. Where counter terms and conditions have been offered by the bidder, the same shall not be deemed to have been accepted by IUCAA, unless a specific written acceptance thereof is obtained.

SUBMISSION OF BIDS:

- i. Bidder should log into CPP Portal well in advance for bid submission so that he/ she upload the bid in time i.e. on or before the bid submission time. Bidder will be responsible for any delay.
- ii. Bidder should submit the EMD as per the instructions specified in the NIT / tender document. The details of the Tender fees / EMD 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.
- iii. While submitting the bids online, the bidder shall read the terms & conditions (of CPP portal) and accepts the same in order to proceed further to submit their bid.
- iv. Bidder shall digitally sign and upload the required bid documents one by one as indicated in the tender document.

- v. Bidders shall note that the very act of using DSC for downloading the tender document and uploading their offers is deemed to be a confirmation that they have read all sections and pages of the tender document without any exception and have understood the complete tender document and are clear about the requirements of the tender document.
- vi. Bid documents may be scanned with 100 dpi with black and white option which helps in reducing size of the scanned document. For the file size of less than 1 MB, the transaction uploading time will be very fast.
- vii. **If price quotes are required in XLS format, utmost care shall be taken for uploading Schedule of quantities & Prices and any change/ modification of the price schedule shall render it unfit for bidding.**
Bidders shall download the Schedule of Quantities & Prices i.e. Schedule-A, in XLS format and save it without changing the name of the file. Bidder shall quote their rate in figures in the appropriate cells, thereafter save and upload the file in financial bid cover (Price bid) only.
If the template of Schedule of Quantities & Prices file is found to be modified/corrupted in the eventuality by the bidder, the bid will be rejected, including forfeiture of EMD.
The bidders are cautioned that uploading of financial bid elsewhere i.e. other than in cover 2 will result in rejection of the tender.
- viii. Bidders shall submit their bids through online e-tendering system to the Tender Inviting Authority (TIA) well before the bid submission end date & time (as per Server System Clock). **The TIA will not be held responsible for any sort of delay or the difficulties faced during the submission of bids online by the bidders at the eleventh hour.**
- ix. After the bid submission (i.e. after Clicking “Freeze Bid Submission” in the portal), the bidders shall **take print out of system generated acknowledgement** number and keep it as a record of evidence for online submission of bid, which will also act as an entry pass to participate in the bid opening.
- x. Bidders should follow the server time being displayed on bidder’s dashboard at the top of the tender site, which shall be considered valid for all actions of requesting, bid submission, bid opening etc., in the e-tender system.
- xi. All the documents being submitted by the bidders would be encrypted using PKI (Public Key Infrastructure) 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.
- xii. Technical & Financial bids has to be uploaded on or before **Bid Submission End Date & Time** mentioned in the tender documents

Assistance to Bidders

- 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 contract person indicated in the tender. The contact number for the helpdesk is **020-25604134/36** between 10:30 hrs to 17:00 hrs.
- 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. The 24 x 7 Help Desk Number 0120-4200462, 0120-4001002 and 0120-4001005. The helpdesk email id is support-eproc@nic.in

- All interested eligible bidders are requested to submit their bids online on CPP Portal <http://eprocure.gov.in/eprocure/app> as per the criteria given in this document:
 - a. Technical Bid should be upload online in cover-1.
 - b. Financial Bid should be upload online in cover-2
- Both Technical and Financial Bid covers should be placed online on the CPP Portal (<http://eprocure.gov.in/eprocure/app>).

TECHNICAL BID : Signed and Scanned copies of the Technical bid documents as under must be submitted online on CPP Portal: <http://eprocure.gov.in/eprocure/app> . List of Documents to be scanned and uploaded (Under Cover-1) within the period of bid submission:-

- i. Duly filled Technical Bid form along with supporting documents & commercial / legal terms & conditions with proper seal and signature of authorized person on each page of the bid submitted.
- ii. Scan copy of Tender Acceptance Letter.
- iii. Scanned copies of the supporting documents to adhere Annexure – I Eligibility Criteria (Like copies of Agreements, Purchase orders, Installation and Completion certificates, from the clients in India or abroad establishing the bidder’s capability of undertaking and completing the projects of similar nature)
- iv. Scanned copy of Annexure II (Compliance sheet)
- v. Benchmark report for Phase-I
- vi. The detailed technical specifications, descriptions, model/item code, quantity etc. Should be provided in technical bid for Phase -1 and Phase -2.
- vii. Any other

Please note that no indication of the rates/amounts be made in any of the documents submitted with the TC-BID.

FINANCIAL BID

- i. The currency of all quoted rates shall be Indian Rupees or any foreign currency accepted by RBI.
- ii. In preparing the financial bids, bidders are expected to take into account the requirements and conditions laid down in this Tender document. The financial bids should be uploaded online as per the specified “.Xls” format i.e. Price Bid Excel sheet attached as ‘.Xls’ with the tender and based on the scope of work, service conditions and other terms of the Tender document. It should include all costs associated with the Terms of Reference/Scope of Work of the assignment.

20. Withdrawal of Tender: No tender should be withdrawn after the deadline for submission of tender and before expiry of the tender validity period. If a bidder withdraws the tender during this period, it will result in forfeiture of the earnest money furnished by the bidder in its tender.

21. Opening of Tenders:

- 21.1 The purchaser will open the tenders at the specified date and time and at the specified place as indicated. In case the specified date of tender opening falls on declared holiday or closed day for the purchaser, the tenders will be opened at the appointed time and place on the next working day.
- 21.2 In the case of two-bid system mentioned above, the technical bids are to be opened in the first instance, at the prescribed time and date. These bids shall be scrutinized and

evaluated by the competent authority / committee with reference to parameters prescribed in the tender document. Thereafter, in the second stage, the financial bids of only the technically qualified / acceptable offers (as decided in the first stage) shall be opened for further scrutiny and evaluation by giving an advance intimation to the technically successful bidders. IUCAA reserves the right to select the vendor on the basis of best possible specifications / features quoted and experience of the firm. The decision of IUCAA shall be final and representation of any kind shall not be entertained on the above. IUCAA shall have no obligation to convey reason for rejection of any bid.

22. Preliminary Scrutiny of Tenders:

22.1 The tenders will first be scrutinized to determine whether they are complete and meet the essential and important requirements, conditions etc. as prescribed in the tender enquiry document. The tenders, which do not meet the basic requirements, are liable to be treated as unresponsive and ignored.

22.2 The following are some of the important aspects, for which a tender may be declared unresponsive and ignored;

- Tender is unsigned or incomplete tenders are liable for rejection.
- Tender validity is shorter than the required period.
- Required EMD and/or Tender fees has not been provided/paid.
- Bidder has not agreed to give the required performance security.
- Goods offered are sub-standard, not meeting the required specification etc.
- Bidder has not agreed to essential condition(s) specially incorporated in the tender enquiry. Conditional tenders are not acceptable.

23. Minor Informality/Irregularity/Non-Conformity: If during the preliminary examination, the purchaser finds any minor informality or irregularity or non-conformity in a tender, the purchaser may waive the same, provided it does not constitute any material deviation and financial impact and, also, does not prejudice or affect the ranking order of the bidders. If Wherever necessary, the purchaser will convey its observation on such 'minor' issues to the bidder by registered/speed post/email/fax etc. asking the bidder to respond by a specified date. If the bidder does not reply by the specified date or gives evasive reply without clarifying the point at issue in clear terms, that tender will be liable to be ignored. If purchaser observed, that vendor had inadvertently missed out to submit some documents asked in the technical bid form, then the purchaser may ask vendor to submit the same.

24. Opening of Financial bids: -

24.1 The Financial bids of all eligible, technically qualified and shortlisted bidders will be opened. The date and time of opening of financial bids shall be informed only to the shortlisted bidders.

24.2 IUCAA- reserves the right to accept the offer in full or in parts or reject summarily or partly & cancel the bid without giving any reason.

25. Conversion of tender currencies to Indian Rupees: In case the tender enquiry document permits the bidders to quote their prices in different currencies, all such quoted prices of the responsive bidders will be converted to a single currency viz., Indian Rupees for the purpose of equitable comparison and evaluation, as per the B.C. selling exchange rates established by

the State Bank of India / Reserve Bank of India for similar transactions, as on the date of tender opening.

26. Bidder's capability to perform the contract

26.1 The purchaser, through the above process of tender scrutiny and tender evaluation will determine to its satisfaction whether the bidder, whose tender has been determined as the lowest evaluated responsive tender is eligible, qualified and capable in all respects to perform the contract satisfactorily.

26.2 The above mentioned determination will, interalia, take into account the bidder's financial, technical and production capabilities for satisfying all the requirements of the purchaser as incorporated in the tender document. Such determination will be based upon scrutiny and examination of all relevant data and details submitted by the bidder in its tender as well as such other allied information as deemed appropriate by the purchaser.

27. Notification of Award: L1 will be decided on combined Phase 1 & Phase 2 proposals and will be informed to the successful bidder in due course by e-mail.

28. Issue of Contract: Promptly after notification of award, the purchaser will mail the purchase/work order duly completed and signed, to the successful bidder by email/registered/speed post etc. within 15 days from the date of the contract, the successful bidder will return a copy of the order, duly signed and dated, to the purchaser by registered / speed post / courier.

29. Performance Security (PS): Within 15 days from the date of acceptance of Contract/ Purchase Order, the vendor shall submit a Performance Security for 5% amount of the total contract value (combined amount of phase I and Phase II). The Performance Security shall be submitted through NEFT/RTGS and Photo copy of transaction ID or UTR no. shall be provided. The EMD will be converted in to **Performance Security**, however, the balance amount of PS has to be deposited separately by NEFT/RTGS. In case of import purchase, for the purpose of computing the amount of PS in INR, an exchange rate on date of Purchase Order, shall be considered. In the event of any amendment issued to the contract, the supplier shall, within 15 days of issue of the amendment, furnish the performance security of the corresponding amendment value, rendering the same valid in all respects in terms of the contract, as amended. If supplier fails to submit balance performance security amount within 15 days, from the date of acceptance of contract/ Purchase Order/Amendment, there shall be a penalty of Rs.2,000/- per day up to a maximum of 10% of the PO/Contract value (combined amount of phase I and Phase II).

In the event of any loss due to supplier's failure to fulfill its obligations in terms of the contract, the amount of the performance security shall be payable to the purchaser to compensate the loss.

Subject to above, the purchaser will release the performance security without any interest to the supplier on completion of the supplier's all contractual obligations including the warranty obligations. **(PS for Phase 1 & Phase 2 will be released only after successful Installation & commissioning of respective phases).**

30. Performance Bank Guarantee:

- 30.1 For Phase-I, If the vendor furnishes Performance Bank Guarantee to the purchaser for an amount equal to five per cent (5%) of the Purchase order value for phase – I, valid up to warranty period + sixty days or manufacturer's warranty whichever is later, then the amount of Performance Security will be refunded.
- 30.2 For Phase-II, If the vendor furnishes Performance Bank Guarantee to the purchaser for an amount equal to five per cent (5%) of the Purchase order value for phase –II, valid up to warranty period + sixty days or manufacturer's warranty whichever is later, then the amount of Performance Security will be refunded.
- 30.3 Performance Bank Guarantee must be issued from a Nationalised Bank in India and in the prescribed form as provided in **Form I** of this document.

31. Use of contract documents and information:

- 31.1 The supplier shall not, without the purchaser's prior written consent, disclose the contract or any provision thereof including any specification, drawing, sample or any information furnished by or on behalf of the purchaser in connection therewith, to any person other than the person(s) employed by the supplier in the performance of the contract emanating from this tender enquiry document. Further, any such disclosure to any such employed person shall be made in confidence and only so far as necessary for the purposes of such performance for this contract.
- 31.2 Further, the supplier shall not, without the purchaser's prior written consent, make use of any document or information mentioned in tender document above except for the sole purpose of performing this contract.
- 31.3 Except the contract issued to the supplier, each and every other document mentioned in tender document above shall remain the property of the purchaser and, if advised by the purchaser, all copies of all such documents shall be returned to the purchaser on completion of the supplier's performance and obligations under this contract.

- 32. Patent Rights:** The supplier shall, at all times, indemnify the purchaser, free of cost, against all claims which may arise in respect of goods & services to be provided by the supplier under the contract for infringement of any right protected by patent, intellectual property, registration of designs or trademarks. In the event of any such claim in respect of alleged breach of patent, registered designs, trademarks etc. being made against the purchaser, the purchaser shall notify the supplier of the same and the supplier shall, at his own expenses take care of the same for settlement without any liability to the purchaser.

33. Vesting of Title and Assumption of Risk:

- 34.1 On each item to be delivered by the Bidder/vendor, including an item of work in progress, in respect of which payments have been made in accordance with clause above, IUCAA shall have a security interest in such items which shall be deemed to be released only at the time when the applicable deliverable item is finally delivered to and accepted by IUCAA.
- 34.2 Risk for loss or damage to deliverable items provided by the bidder/Vendor shall rest with the Bidder/vendor, until final acceptance by IUCAA.
- 34.3 Title to all deliverable items provided by the bidder/vendor shall pass from the bidder/vendor to IUCAA upon final acceptance or the final payment under clause, whichever occurs last.

34.4 IUCAA shall not accept any liability for the bidder/vendor and its sub-contractors, their subsidiaries and/or their officers, employees or agents, servants, and assignees, or any of them or for their property. The bidder/vendor shall indemnify and keep harmless IUCAA, its officers, employees consultants, servants, agents and assignees, or any of them, against any loss or liability, costs or claims, action or proceedings which they or any of them may incur by reasons of damage to property or injury, including death, caused to the employees of the bidder/vendor, its subsidiaries and/or their officers, employees or agents, servants and assignees, or any of them in connection with the performance of work under this agreement, and caused by an act of commission or omission by the bidder/vendor, its subsidiaries and/or their officers, employees or agents, servants and assignees, or all or any of them.

34. Indemnity: The vendor shall indemnify, protect and save IUCAA from/against all claims, losses, costs, damages, expenses, action suits and other proceeding, resulting from infringement of any law pertaining to intellectual property, patent, trademarks, copyrights etc. or such other statutory infringements in respect of all the equipment supplied by vendor.

35. Country of Origin:

35.1 All goods and services to be supplied and provided for the contract shall have the origin in India or in the countries with which the Government of India has trade relations.

35.2 The word “origin” incorporated in this clause means the place from where the goods are mined, cultivated, grown, manufactured, produced or processed or from where the services are arranged.

36. Packing and Marking:

36.1 The packing for the goods to be provided by the supplier should be strong and durable enough to withstand, without limitation, the entire journey during transit including trans shipment (if any), rough handling, open storage etc. without any damage, deterioration etc. As and if necessary, the size, weights and volumes of the packing cases shall also be take into consideration, the remoteness of the final destination of the goods and availability or otherwise of transport and handling facilities at all points during transit up to final destination as per the contract.

36.2 The quality of packing, the manner of marking within & outside the packages and provision of accompanying documentation shall strictly comply with the requirements as provided in Technical Specifications and Quality Control Requirements. In case the packing requirements are amended due to issue of any amendment to the contract, the same shall also be taken care of by the supplier accordingly. The box wise item list should be mentioned in the packing list. A copy of the packing list is to be sent to the purchaser in advance before shipment.

36.3 **Packing instructions:** Unless otherwise mentioned in the Technical Specification and Quality Control Requirements, the supplier shall make separate packages for each consignee (in case there is more than one consignee mentioned in the contract) and mark each package on three sides with the following with indelible paint of proper quality:

- a) contract number and date
- b) brief description of goods including quantity
- c) packing list reference number
- d) country of origin of goods
- e) consignee’s name and full address

- f) supplier's name and address and
- g) box wise packing list

37. Terms of Delivery: Goods shall be delivered on FOR (Free on Road) IUCAA Pune as specified in the contract.

38. Spare parts

38.1 If specified in the Bill of Material and in the resultant contract, the supplier shall supply/provide any or all of the following materials, information etc. pertaining to spare parts manufactured and/or supplied by the supplier:

- a. the spare parts as selected by the purchaser to be purchased from the supplier, subject to the condition that such purchase of the spare parts shall not relieve the supplier of any contractual obligation including warranty obligations; and
- b. in case the production of the spare parts is discontinued:
 - sufficient advance notice to the purchaser before such discontinuation to provide adequate time to the purchaser to purchase the required spare parts etc., and
 - immediately following such discontinuation, providing the purchaser, free of cost, the designs, drawings, layouts and specifications of the spare parts, as and if requested by the purchaser.

38.2 Supplier shall carry sufficient inventories to assure ex-stock supply of consumable spares for the goods so that the same are supplied to the purchaser promptly on receipt of order from the purchaser.

39. Incidental services

39.1 Subject to the stipulation, if any, in the GCC and the Technical Specification, the supplier shall be required to perform any or all of the following services

- a. Providing required jigs and tools for assembly, start-up and maintenance of the goods
- b. Supplying required number of operation & maintenance manual for the goods
- c. Installation and commissioning of the goods
- d. Training of purchaser's operators for operating and maintaining the goods
- e. Providing after sales service during the tenure of the contract
- f. Providing maintenance service after expiry of the warranty period of the goods if so incorporated in the contract

39.2 Prices to be paid to the supplier by the purchaser for any of the required incidental services, if not already included in the contract price during the placement of the contract, shall be settled and decided in advance by the purchaser and the supplier. However, such prices shall not exceed the contemporary rates charged by the supplier to other customers for similar services

40. Payment

40.1 In case of payments in foreign currency, 80% of the material cost will be made by Irrevocable Letter of Credit (LC) in favour of the supplier through Bank of Baroda, Camp Branch, Pune – 411 001, India, against the presentation of original shipping documents. If bidders insists on confirmation of LC, the LC confirmation charges within and outside India shall be to the beneficiary's account. Balance 20% of the material cost as well as full amount of installation & commissioning if any shall be made on successful completion of the project, display of warranty on OEM's website, acceptance certificate

issued by competent authority from IUCAA and confirmation of bank guarantee received from the issuing bank. However, Letter of credit arrangement will be made for 100% order value.

- 40.2 In case of payment in Indian rupees, 50% of the material cost shall be made on receipt of material at IUCAA and balance 50% of the material cost as well as full amount of Installation & Commissioning if any shall be made only after made on successful completion of the project and against acceptance certificate issued by competent authority from IUCAA. Payment will be made within one month subject to submission of complete documents duly certified by the Systems Manager.

41. Distribution of Dispatch Documents for Clearance/Receipt of Goods: The supplier shall send all the relevant dispatch documents well in time to the purchaser to enable the purchaser clear or receive (as the case may be) the goods in terms of the contract. Unless otherwise specified in the GCC, the usual documents involved and the drill to be followed in general for this purpose are as follows.

- (i) For Domestic goods, including goods already imported by the supplier under its own arrangement: Within 24 hours of dispatch, the supplier shall notify the purchaser, consignee, and others concerned if mentioned in the contract, the complete details of dispatch and also supply the following documents to them by registered post / speed post (or as instructed in the contract):
- a) Supplier's Invoice indicating, interalia description and specification of the goods, quantity, unit price, total value.
 - b) Invoice has to be in line with the purchase order.
 - c) Packing list (box wise)
 - d) Certificate of country of origin
 - e) Insurance certificate
 - f) Consignment note
 - g) Manufacturer's guarantee certificate & in-house inspection certificate;
 - h) Inspection certificate issued by purchaser's inspector
 - i) Expected date of arrival of goods at destination and
 - j) Any other document(s), as and if specifically mentioned in the contract.
- (ii) For imported Goods offered from Abroad: Within 24 hours of dispatch, the supplier shall notify the purchaser, consignee, others concerned if mentioned in the contract, the complete details of dispatch and also supply to them following documents by air mail/courier (or as instructed in the contract):
- a) Supplier's Invoice giving full details of the goods including quantity, value etc.;
 - b) Invoice has to be in line with the purchase order.
 - c) Packing list (box wise)
 - d) Certificate of country of origin;
 - e) Manufacturer's guarantee and Inspection certificate;
 - f) Inspection certificate issued by the Purchaser's Inspector;
 - g) Insurance Certificate;
 - h) Name of the Vessel/Carrier,
 - i) Bill of Lading/Airway Bill, Port of Loading;
 - j) Date of Shipment;
 - k) Port of Entry & expected date of arrival of goods at Port of Entry/Destination and
 - l) Any other document(s) as and if specifically mentioned in the contract

42. Warranty / Support:

- 42.1 The supplier warrants that the goods supplied under the contract is new, unused and incorporate all recent improvements in design and materials unless prescribed otherwise by the purchaser in the contract. The supplier further warrants that the goods supplied under the contract shall have no defect arising from design, materials (except when the design adopted and / or the material used are as per the purchaser's specifications) or workmanship or from any act or omission of the supplier, that may develop under normal use of the supplied goods under the conditions prevailing in India.
- 42.2 This warranty (comprehensive) shall remain valid for 5 years or manufacturer's warranty whichever is later,
- 42.3 Warranty will start from the goods or any portion thereof as the case may be, have been delivered to the final destination and installed and commissioned at the final destination and accepted by the purchaser in terms of the contract.
- 42.4 In case of any claim arising out of this warranty, the purchaser shall promptly notify the same in writing to the supplier.
- 42.5 Upon receipt of such notice, the supplier shall, with all reasonable speed (or within the period, if specified in the GCC), repair or replace the defective goods or parts thereof, free of cost, at the ultimate destination. The supplier shall take over the replaced parts/goods after providing their replacements and no claim, whatsoever shall lie on the purchaser for such replaced parts/goods thereafter.
- 42.6 In the event of any rectification of a defect or replacement of any defective goods during the warranty period, the warranty for the rectified/replaced goods shall be extended up to the warranty period of 5 years or manufacturer's warranty, whichever is later.
- 42.7 If the supplier, having been notified, fails to rectify/replace the defect(s) within a reasonable period (or within the period, if specified in the GCC), the purchaser may proceed to take such remedial action(s) as deemed fit by the purchaser, at the risk and expense of the supplier and without prejudice to other contractual rights and remedies, which the purchaser may have against the supplier.
- 42.8 5 years comprehensive warranty and support should be provided for the entire hardware and related software from the date of satisfactory installation & commissioning of the same. During the warranty period, the OEM shall replace the defective parts free of charge, including to and fro transportation cost of the items.
- 42.9 All proposed components both hardware & software should carry 5 years on-site warranty with 24 X 7 operational support with 4 hours of response time, 24 hours of resolution time for any hardware and software related issue/problem. The warranty should also cover all the consumable spares like batteries, cables etc. If supplier fails to resolve the issue/problem within the stipulated time, there shall be a penalty of Rs.5,000/- per day up to a maximum 10% of the PO value.

43. Modification of contract:

- 43.1 If necessary, the purchaser may, by a written order given to the supplier at any time during the currency of the contract, amend the contract by making alterations and modifications within the general scope of contract in any one or more of the following:
 - a) Specifications, drawings, designs etc. where goods to be supplied under the contract are to be specially manufactured for the purchaser,
 - b) incidental services to be provided by the supplier

- c) any other area(s) of the contract, as felt necessary by the purchaser depending on the merits of the case.
- 43.2 In the event of any such modification/alteration causing increase or decrease in the cost of goods and services to be supplied and provided, or in the time required by the supplier to perform any obligation under the contract, an equitable adjustment shall be made in the contract price and/or contract delivery schedule, as the case may be, and the contract amended accordingly. If the supplier doesn't agree to the adjustment made by the purchaser, the supplier shall convey its views to the purchaser within seven days from the date of the supplier's receipt of the purchaser's amendment / modification of the contract.

44. **Taxes and Duties:** Supplier shall be entirely responsible for payment all taxes, duties, fees, levies etc. incurred until delivery of the contracted goods to the purchaser Further instruction, if any, shall be as provided in the tender document.

45. **Liquidated Damages / Penalty:**

- 45.1 The supplier shall deliver the goods and perform the services under the contract within the time schedule specified by the purchaser in the BOM and as incorporated in the contract.
- 45.2 Subject to the provision of tender document, any unexcused delay by the supplier in maintaining its contractual obligations towards delivery of goods and performance of services shall render the supplier liable to any or all of the following sanctions:
- a) If the bidder fails to complete the work as per committed schedule, there shall be a deduction of liquidated damages amounting 0.5% of the total purchase order / contract value per week and part thereof delay, up to a maximum of 10% of the PO/Contract value, and/or
 - b) Forfeiture of its performance security & termination of the contract for default.
 - c) In case the delay is not acceptable to IUCAA, IUCAA reserves the right to terminate the contract and enter into fresh contract with other agencies at the cost of defaulting agency.
- 45.3 If at any time during the currency of the contract, the supplier encounters conditions hindering timely delivery of the goods and performance of services, the supplier shall promptly inform the purchaser in writing about the same and its likely duration and make a request to the purchaser for extension of the delivery schedule accordingly. On receiving the supplier's communication, the purchaser shall examine the situation as soon as possible and, at its discretion, may agree to extend the delivery schedule, with or without liquidated damages for completion of supplier's contractual obligations by issuing an amendment to the contract.
- 45.4 When the period of delivery is extended due to unexcused delay by the supplier, the amendment letter extending the delivery period shall, interalia contain the following conditions:
- a) The purchaser shall recover from the supplier, under the provisions of the tender conditions, liquidated damages on the goods and services, which the Supplier has failed to deliver within the delivery period stipulated in the contract.
 - b) No increase in price on account of any ground is acceptable. Increase or fresh imposition of taxes, duties etc. will be reimbursed only on submission of proof.
- 45.5 The supplier shall not dispatch the goods after expiry of the delivery period. The supplier is required to apply to the purchaser for extension of delivery period and obtain the same before dispatch. In case the supplier dispatches the goods without obtaining an extension, it

would be doing so at its own risk and no claim for payment for such supply and / or any other expense related to such supply shall lie against the purchaser.

46. Termination of Contract for Default:

- 46.1 The purchaser, without prejudice to any other contractual rights and remedies available to it (the purchaser), may, by written notice of default sent to the supplier, terminate the contract in whole or in part, if the supplier fails to deliver any or all of the goods or fails to perform any other contractual obligation(s) within the time period specified in the contract, or within any extension thereof granted by the purchaser.
- 46.2 In the event of the purchaser terminates the contract in whole or in part, pursuant to above the purchaser may procure goods and/or services similar to those cancelled, with such terms and conditions and in such manner as it deems fit and the supplier shall be liable to the purchaser for the extra expenditure, if any, incurred by the purchaser for arranging such procurement.
- 46.3 Unless otherwise instructed by the purchaser, the supplier shall continue to perform the contract to the extent not terminated.
- 46.4 **Termination for insolvency:** If the supplier becomes bankrupt or otherwise insolvent, the purchaser reserves the right to terminate the contract at any time, by serving written notice to the supplier without any compensation, whatsoever, to the supplier, subject to further condition that such termination will not prejudice or affect the rights and remedies which have accrued and / or will accrue thereafter to the purchaser.
- 46.5 **Termination for convenience:** The purchaser reserves the right to terminate the contract, in whole or in part for it's (purchaser's) convenience, by serving written notice to the supplier at any time during the currency of the contract. The notice shall specify that the termination is for the convenience of the purchaser. The notice shall also indicate interalia, the extent to which the supplier's performance under the contract is terminated, and the date with effect from which such termination will become effective. The goods and services which are complete and ready in terms of the contract for delivery and performance within thirty days after the supplier's receipt of the notice of termination shall be accepted by the purchaser following the contract terms, conditions and prices. For the remaining goods and services, the purchaser may decide:
 - a) to get any portion of the balance completed and delivered at the contract terms, conditions and prices; and / or
 - b) to cancel the remaining portion of the goods and services and compensate the supplier by paying an agreed amount for the cost incurred by the supplier towards the remaining portion of the goods and services.

47. Force Majeure: Notwithstanding the provisions contained in tender document clauses, the supplier shall not be liable for imposition of any such sanction so long the delay and/or failure of the supplier in fulfilling its obligations under the contract is the result of an event of force majeure.

- 47.1 For purposes of this clause, force majeure means an event beyond the control of the supplier and not involving the supplier's fault or negligence and which is not foreseeable. Such events may include, but are not restricted to, acts of the purchaser either in its sovereign or contractual capacity, wars or revolutions, hostility, acts of public enemy, civil commotion, sabotage, fires, floods, explosions, epidemics, quarantine restrictions, strikes, lockouts, and freight embargoes.
- 47.2 If a force majeure situation arises, the supplier shall promptly notify the purchaser in

writing of such conditions and the cause thereof within twenty-one days of occurrence of such event. Unless otherwise directed by the purchaser in writing, the supplier shall continue to perform its obligations under the contract as far as reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the force majeure event.

47.3 If the performance in whole or in part or any obligation under this contract is prevented or delayed by any reason of force majeure for a period exceeding sixty days, either party may at its option terminate the contract without any financial repercussion on either side.

47.4 In case due to a force majeure event the purchaser is unable to fulfill its contractual commitment and responsibility, the purchaser will notify the supplier accordingly and subsequent actions taken on similar lines described in above sub-paragraphs.

48. Notices:

48.1 Notice, if any, relating to the contract given by one party to the other, shall be sent in writing or by e-mail or facsimile and confirmed in writing. The procedure will also provide the sender of the notice, the proof of receipt of the notice by the receiver. The addresses of the parties for exchanging such notices will be the addresses as incorporated in the contract.

48.2 The effective date of a notice shall be either the date when delivered to the recipient or the effective date specifically mentioned in the notice, whichever is later.

49. Settlement of Disputes

49.1 All disputes arising in connection with the interpretation or implementation of the Contract shall be amicably settled by IUCAA and the bidder/vendor, by direct discussion.

49.2 If IUCAA and the bidder/vendor are unable to resolve a dispute within 30 working days of the dispute being referred to them, the parties may agree to refer the dispute to mediation.

49.3 IUCAA and the bidder/vendor appoint a Mediation Committee comprising of two nominees by IUCAA and two nominees by the bidder/vendor. IUCAA and the bidder/vendor will seek the opinion of this Mediation Committee to amicably settle the disputes.

49.4 In the event of a dispute or difference which cannot be resolved by mediation, the same shall be referred to an Arbitration Tribunal consisting of three members. Either party shall give notice to the other regarding its decision to refer the matter to arbitration. Within 30 days of such notice, one Arbitrator shall be nominated by each party and the third Arbitrator shall be nominated by agreement between the parties to this agreement. The venue of the arbitration will be Pune. Subject to the aforesaid, the Indian Arbitration and Conciliation Act, 1996 and the rules there under and any statutory modification thereof for the time being in force shall be deemed to apply to the Arbitration proceedings.

50. Governing language: The contract shall be written in English language following the provision as contained in tender document. All correspondence and other documents pertaining to the contract, which the parties exchange, shall also be written accordingly in English language.

51. Applicable Law: Any disputes, legal action/matters, arising out of/ resulting from/related or incident to the tender/quotation/purchase order/invoices/ delivery/ payments shall be subject to exclusive jurisdiction of Pune courts only. The contract shall be interpreted in accordance with the laws of India.

FORM – I

Bank Guarantee Form for Performance Security

To
The Director,
Inter-University Centre for Astronomy and Astrophysics,
Post Bag 4, Ganeshkhind, Pune 411 007

WHEREAS (name and address of the supplier) (hereinafter called “the supplier”) has undertaken, in pursuance of contract no..... dated to supply (description of goods and services) (herein after called “the contract”).

AND WHEREAS it has been stipulated by you in the said contract that the supplier shall furnish you with a bank guarantee by a Nationalised bank recognised by you for the sum specified therein as security for compliance with its obligations in accordance with the contract;

AND WHEREAS we have agreed to give the supplier such a bank guarantee;

NOW THEREFORE we hereby affirm that we are guarantors and responsible to you, on behalf of the supplier, up to a total of Rs. _____ (amount of the guarantee in words and figures), and we undertake to pay you, upon your first written demand declaring the supplier to be in default under the contract and without cavil or argument, any sum or sums within the limits of (amount of guarantee) as aforesaid, without your needing to prove or to show grounds or reasons for your demand or the sum specified therein.

We hereby waive the necessity of your demanding the said debt from the supplier before presenting us with the demand.

We further agree that no change or addition to or other modification of the terms of the contract to be performed thereunder or of any of the contract documents which may be made between you and the supplier shall in any way release us from any liability under this guarantee and we hereby waive notice of any such change, addition or modification.

This guarantee shall be valid up to and including the day of, 20.....

.....
(Signature with date of the authorised officer of the Bank)

.....
Name and designation of the officer

.....
Seal, name & address of the Bank and address of the Branch

FORM – II

Tender Acceptance Letter

(To be given on Company Letter Head)

Date:

To,

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/ organisation 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/ terminated/ banned by any Govt. Department/Public sector undertaking.
6. I / We certify that all information furnished by our Firm is true & correct and in the event that the information is found to be incorrect/untrue or found violated, then your department/ organisation shall 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.

Yours Faithfully,

(Signature of the Bidder, with Official Seal)

FORM-III

(To be printed on letterhead)

EMD Refund Request Form

To

Administrative Officer (Purchase)
Inter-University Centre for Astronomy & Astrophysics
Post bag -4, Ganeshkhind,
Pune University Campus,
Pune - 411007.

Sub:- Request for refund of EMD deposited for tender for Supply, Installation & Integration of 2 PB Parallel File System Storage at IUCAA due on : 02/01/2020

Sir,

I/We request you that EMD deposited by me/us against the tender above tender due on :
02/01/2020 vide DD/UTR No _____ dated for Rs.2,00,000/- for providing **Supply, Installation & Integration of 2 PB Parallel File System Storage at IUCAA**, Pune may kindly be refunded.

Yours faithfully,

For M/s

(Signature & Seal)

Annexure - I

A. Eligibility Criteria

1. The bidder has to have minimum 2 installations of 100TB Parallel File System storage in India in last 5 years. Documentary evidence must be submitted along with the bid.
2. OEM has to have minimum 2 installations of 2PB Parallel File System storage in India in last 5 years. Documentary evidence must be submitted along with the bid.
3. OEM has to have a support centre with technical staff in Pune.
4. The bidder should be an OEM/Authorized system integrator (SI) of the OEM and a Letter of Authorization from the OEM, specific to this tender should be enclosed by the bidder.
5. One OEM can authorize only one SI for the execution of this project.
6. One SI can represent only one OEM for the execution of this project.

B. Warranty and support:

All the equipments and components, including batteries, supplied must have 5 (Five) years onsite comprehensive warranty with 24x7 support along with 4 hours response time and 24 hour resolution time, covering all parts & labour starting from the date after the successful installation, demonstration of performances and acceptance by IUCAA. The defects, if any, during the warranty period are to be rectified free of charge by arranging free replacement wherever necessary. It should be completed within 24 hours resolution time for entire solutions after the intimation of fault.

C. Installation and Support (to be provided free of cost):

1. The OEM should do the integration/installation of the proposed storage at site.
2. The entire system should be integrated on site in consultation with IUCAA team as per the agreed architecture.
3. During the warranty period, OEM will have to undertake comprehensive maintenance of the entire hardware and its components.
4. Quarterly review of the storage must be performed and its report should be submitted to IUCAA within a week.
5. Half yearly review of various firmware related to hardware components should be done.
6. Once a year upgrading of required firmware to maintain stability of various components should be done.
7. Upgrading of firmware if necessary on the basis of criticality apart from the above schedule.
8. Proposed storage implementation should be monitored by a dedicated project manager of the OEM for smooth implementation.
9. OEM should provide onsite support during maintenance window such as DC shutdown, power outage and firmware upgrade.
10. Installation/configuration and upgradation of storage activities should be carried out by direct OEM engineers only.

11. OEM should mandatorily provide services of copying existing 250TB data from NFS storage to newly commissioned PFS storage. The entire responsibility of copying such data lies on the vendor, post which the solution may be considered accepted.

D. Acceptance Test Procedure:

1. **Inventory check:** All the hardware and software will be checked against the Purchase Order.
2. **Functional Test:** All the functionalities of the proposed storage solution will be tested including the connectivity, with existing HPC running condor job management system.
3. **Performance Test:** The IOR benchmark must be performed by the OEM on the existing cluster nodes and the OEM must demonstrate that the system is meeting the minimum specifications mentioned.
4. **Training:** The OEM should give 2 days Storage Administration training to a group of IUCAA personnel on installed hardware (storage and interconnect), operating system, benchmarks, installed system software and development tools including API. The training must be arranged at IUCAA.
5. **Documentation:** Documentation should be submitted for the following:
 - i. Procedure for bringing up and shutting down the fully integrated storage.
 - ii. Procedure for integrating the PFS with optimal options in the HPC clients.
 - iii. Procedure to implement group and user permissions and quotas for the HPC users.
 - iv. Procedure for basic troubleshooting of storage.
 - v. Project documentation listing hardware/software with serial numbers, configuration and connectivity.
 - vi. Any other document/manual useful for daily administration.
 - vii. Escalation matrix with contact details.

Annexure-II

IUCAA intends to buy the Parallel File System Storage (PFS) in two phases for the already existing cluster listed at <https://ldas-doc.gw.iucaa.in/index.php>. In Phase 1, 500 TB usable capacity with necessary components for expanding up to 2 PB usable capacity, will be procured; In phase 2, the disks, enclosures, controllers (if required) etc. to reach 2 PB usable capacity will be procured within 12 months of Phase 1. Therefore, the bidder is expected to quote for Phase1 and Phase 2 separately. L1 will be decided on combined Phase 1& Phase 2 proposals and the phase wise order and payment will be done accordingly.

Parallel File System Storage Specifications

Sr No	Requirement	Compliance
1	In Phase1, Minimum 500TB usable capacity on hardware / declustered RAID 6 (8+2) based Parallel File System (PFS) Storage offering a minimum 8 GB/s write and 8 GB/s read performance along with necessary components like controllers, licenses, servers etc required for 2PB usable capacity , should be quoted .	
2	The proposed PFS Storage system in Phase 1 should be scalable to an usable capacity of 2PB with a minimum 30 GB/s read and 30 GB/s write performance by adding disks, enclosures, additional controllers if necessary etc. in Phase 2, retaining the same name space . The expansion should be simple and non disruptive.	
3	The same storage should be scalable beyond an usable 2 PB by just adding building block or /within the same building block while still providing a single namespace. The expansion should be simple and non disruptive. It is expected that the data storage may grow to an usable 15-20PB in the next 5-7 years.. The subsequent addition of building blocks, should give read/write performance in multiples of 30 GB/s	
4	The proposed Phase1 solution must necessarily fit within a rack space of 16U and a maximum expandable up to a total 24U rack space by the end of Phase2 .	
5	Storage solution must have a minimum of two active controllers, hot swappable redundant power supplies and fans if the solution provided is based on controllers. Otherwise, the solution offered must have redundancy built-in at all levels to avoid single point of failure.	
6	Only OEM supported IBM GPFS or OEM supported Lustre parallel File System (PFS) is preferred. If the proposed OEM supported one is other than GPFS/Lustre, then its presence in top500 supercomputing list, is a must and it should be deployed at at least one HPC site for a period of more than 5 years. Please submit the supporting documents for non GPFS/Lustre PFS.	
7	The OEM will be responsible for supply, installation, configuration, commissioning, testing, maintenance and support for both hardware and software during the warranty period.	
8	The installation/ integration should be done by OEM engineers only. OEM should submit engineer's details such as engineer name, employee code, total years of experience in PFS, and number of PFS installations carried out by that particular engineer on their letter head. A copy of installation report must be enclosed with the technical bid.	
9	NFS, SMB/CIFS, FTP, HTTP protocols should be supported. Additionally, solution should support OpenStack Swift as well as Hadoop connectors.	
10	Disk Type storage should consist of NL-SAS/SAS 4TB or higher capacity disks only.	

11	2% of disk drives of PFS should be configured as hot online spare drives.	
12	2TB usable capacity with RAID 1 or better to be quoted as metadata on 10K RPM SAS or better Disks	
13	The proposed storage solution should come with an intuitive graphical user interface (GUI) for software & systems management and monitoring. The licenses quoted should be perpetual in nature. The storage management software should provide proactive notification of actual or impending component failure. Bidder should provide required hardware/software components, if any. The storage management and monitoring software must be from the OEM itself	
14	Storage should have native 100 GbE ports which can support 40/25/10 GbE. Vendor shall provide all required hardware to connect clients over 100 GbE. Currently only eight 100 GbE ports are available in the exiting SN2700 Mellanox switch. If the solution offered needs more 100 GbE ports, then an additional SN2700 Mellanox switch should be provided with sufficient stacking bandwidth between these two SN2700 switches.	
15	Bidder must provide peak power in KW, heat in BTU/Hr and air flow in CFM for cooling of the storage solution. All equipment must be compatible with the existing racks, PDUs and Indian electrical standards. Engineering documentation (in digital form ONLY) on the physical sizes, weights of all major components must be submitted along with the technical bid.	
16	Solution should be balanced to manage failure (No Single point of Failure) and there must be minimum one pair highly available I/O servers for every storage array. An explanatory solution architectural document should be submitted to justify this point.	
17	Necessary cables, 100 GbE cables and connectors as per solution requirement should be provided.	
18	Fast rebuilds: Storage must offer fast rebuild capability for replacing failed drives. Bidders must demonstrate rebuilding 4TB or higher capacity drive in less than 10 hours.	
19	Bidder should submit the IOR benchmark for 8 GB/s write performance and 8 GB/s read performance with 1 MB block size and file size must be double than storage & I/O servers memory.	
20	Bidder (OEM) should run the benchmark on 32 node PFS clients over 10/25 GbE. IUCAA is open to share their cluster infrastructure to carry out the benchmarks if needed. Detailed benchmark report for phase1 proposal, should be submitted along with the bid.	
21	The same benchmark must be demonstrated on IUCAA cluster, post installation for phase1 and phase2 respectively.	
22	The vendor should ensure and demonstrate the same performance at regular interval even when the storage is more than 50% full. The vendor may be penalized by withholding the BG amount.	
23	Any other product / equipment / devices / hardware / cables / connectors / convertors / software required to complete the solution in its entirety shall be the responsible of the bidder.	
24	24x7 comprehensive onsite warranty for 5 years must be included for Phase 1. 24x7 comprehensive onsite warranty for 5 years must be included for Phase 2 .	