



**TIH**  
**iHub-Drishti**

**iHub Drishti Foundation**  
**Indian Institute of Technology Jodhpur**

***TENDER FOR* Supply and Installation of  
HPC Cluster Solution**

**Bids to be submitted**  
**For**  
**(Technical and Financial bid as per schedule of requirement)**

**NIT No: IITJ/iHub/2022-2023/01 dated 22.06.2022**

**iHub Drishti Foundation**  
**Indian Institute of Technology Jodhpur**  
**NH 65 Nagaur Road, Karwar 342030**  
**Jodhpur District**  
[procurement@ihub-drishti.ai](mailto:procurement@ihub-drishti.ai)  
<https://ihub-drishti.ai/>

### SCHEDULE

Name of Organization	<b>iHub Drishti Foundation</b>
Open Tender Notice No. (NIT)	<b><u>IITJ/iHub/2022-2023/01 dated 22.06.2022</u></b>
Tender Type (Open/Limited/EOI/Auction/Single)	Open
Tender Category (Services/Goods)	Goods
Type/Form of Contract (Supply/ Auction/ Service/ Buy/ Empanelment/ Sell)	Buy
Product Category	<b>Designing HPC Cluster Solution</b>
Is Multi-Currency Allowed	Yes
Date of Issue/Publishing	22/06/2022
Last Date & Time for queries to be attended through email	29/06/2022 (23:59 Hrs)
Document Download/Sale Start Date& Time	22/06/2022
Document Download/Sale End Date& Time	13/07/2022 (15:00 Hrs)
Last Date and Time for submission of Bids	13/07/2022 (15:00 Hrs)
Date and Time of Opening of Technical Bids	13/07/2022 (16:00 Hrs)
No. of Covers (1/2/3/4)	02
Bid Validity days (180/120/90/60/30)	90 days
Address for Communication	iHub Drishti Foundation Indian Institute of Technology Jodhpur NH 65 Nagaur Road, Karwar 342030 Jodhpur District
Email Address for Correspondence	<a href="mailto:procurement@ihub-drishti.ai">procurement@ihub-drishti.ai</a>

**Note: Pre-Bid Response Meeting Schedule would be announced on iHub Drishti Website**  
<https://ihub-drishti.ai/http://iitj.ac.in/tenders/index.php?id=Equipment>

**iHub Drishti Foundation**, a Section 8 company, is hosted in the premises of IIT Jodhpur. The hub, steered by the Hub Governing Board and the Board of Director of the TIH, hosts teams of faculty members, research scholars, developers, and scientists for developing the technologies. Further, four different kinds of partners are identified: (i) research collaborators from national and international institutions, (ii) domain expert partner institutions, (iii) hub and spoke model (mentor-mentee) based partner institutions, and (iv) research labs and industry including start-ups. iHub Drishti Foundation envisions creating an ecosystem in and around the thematic areas and building collaborations with other TIHs across the country to foster the overall growth and development of CPS technologies. The facility would include a mix of office and laboratory spaces with state-of-the-art infrastructure facilities that will cater to the collaborating institutions. The TIH will also build a network of researchers and developers, both externally hired and from the student body, such that in the next 5 years, iHub Drishti Foundation becomes the main hub of technologies related to computer vision, virtual and augmented reality in the entire country. The Hub invites Bids in two-bid format for supply and installation of **“HPC Cluster Solution”** at the Hub as per the technical specifications given in *Annexure-I* to the Tender document. All offers should be made in English and should be written in both figures and words. The tender document can be downloaded from the iHub Drishti (<https://ihub-drishti.ai/>). The bidders are requested to read the tender document carefully and ensure compliance with all specifications/instructions mentioned therein. Non-compliance with specifications/instructions in this document may disqualify the bidders from the tender exercise. The PROJECT DIRECTOR, iHub Drishti Foundation reserves the right to select the item (in single or multiple units) or to reject any quotation wholly or partly. Incomplete tenders, amendments, and additions to tender after opening or late tenders are liable to be ignored and rejected.

#### **1. Instructions for Bid Submission :**

- 1.1. Bidder should take into account any corrigendum published on the tender document before submitting their bids.
- 1.2. Bidder shall go through the tender advertisement and the tender document carefully to understand the documents required to be submitted as part of the bid. Please 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.
- 1.3. iHub Drishti Foundation will not be responsible for any type of technical issue regarding the uploading of Tender on the website.

#### **2. SEARCHING FOR TENDER DOCUMENTS**

- 2.1. Once the bidders have selected the tenders they are interested in, they may download the required documents / tender schedules.

#### **3. SUBMISSION OF BIDS**

- 3.1. Bidder has to submit a tender with all documents on or before the last date of submission. The HUB will **not** be responsible for any delay due to other issues.

#### **4. INSTRUCTION FOR BIDDERS:**

- 4.1. **Each bid should be marked with the following reference on the top bids submitted: “IITJ/ihub/2022-2023/01 dated 22.06.2022”.**
- 4.2. The printed literature and catalogue/brochure giving full technical details should be included with the technical bid to verify the specifications quoted in the tender. The bidders should submit copies of suitable documents in support of their reputation, credentials, and past performance.
- 4.3. The rates should be quoted in figures and words both.
- 4.4. **Amendment of Bidding Documents:** At any time prior to the deadline for submission of bids, IHUB DRISHTI FOUNDATION may, for any reason, whether on its own initiative or in response to the clarification request by a prospective BIDDER may modify the bid document. All prospective BIDDERS who have downloaded the bidding document may visit IHUB DRISHTI FOUNDATION website <https://ihub-drishti.ai/> for amendments /modifications which will be binding on them.

- 4.5. The technical offer **should not contain any price information**. Please do not insert 'Financial Bid' (prices quoted) in the technical bid envelope. If the price quoted is submitted with a technical bid the tender will be rejected.

## 5. Offline Bid Prices:

The Bidder shall indicate on the Price Schedule the unit price and total bid prices of the goods it proposes to supply under the Contract. To this end, the Bidders are allowed the option to submit the bids for any one or more schedules specified in the "Schedule of Requirement" and to offer discounts for combined schedules. However, Bidders shall quote for the complete requirement of goods and services specified under each schedule on a single responsibility basis, failing which such bids (for the schedule in question) will not be taken into account for evaluation and will not be considered for award.

### I. For goods offered from within India:

- a. The price of the goods should be quoted for destination basis, charges towards freight, installation, etc. may be mentioned inclusive of GST as applicable after referring to the GST Notification.
- b. Any sales or other taxes/duties should be clearly mentioned, which will be payable on the goods in India if the contract is awarded.
- c. Charges for inland transportation, insurance, and other local costs incidental to the delivery of goods to their final destination should be mentioned.
- d. Any element of cost, taxes, duties levies, etc. not specifically indicated in the bid, shall not be paid by the purchaser. If the GST amount is not quoted in the (Financial Bid), the total cost will be treated as inclusive of GST. An additional sheet has to be attached for quoting the items for Sl. No. 1, 3, and 4 for each component price separately. No further communication will be entertained later.

### II. For goods offered from abroad

- a) The price of goods shall be quoted in Ex-Works/FCA/FOB and the same should be mentioned in the terms & conditions of the firm.
- b) Charges for inland transportation, insurance, and other local costs incidental to the delivery of the goods from the port of entry in India to their final destination should be specified.
- c) The terms FOB, FCA, Ex-Works, etc. shall be governed by the rules and regulations prescribed in the current edition of INCOTERMS, published by the Chamber of Commerce.
- d) Prices quoted by the bidder shall remain firm and fixed during the currency of the contract and not subject to variation on any account unless otherwise specified in the Schedule of Requirements.
- e) The Bidder on behalf of the foreign principal can participate. Bidder can participate in a tender on behalf of one manufacturer only, they should not be allowed to quote on behalf of another manufacturer along with the first manufacturer.

### III. Bid currencies

- a. For domestic goods prices shall be quoted in Indian rupees only.
- b. For imported goods prices shall be quoted in Multicurrency.

## 6. Terms of the Purchase Finalization Committee

6.1 On the due date the technical bids will be opened and referred to the Purchase Finalization Committee which is duly constituted by the PROJECT DIRECTOR, iHub Drishti Foundation. The committee will go through the technical aspects of the tender and recommend shortlisted firms. The recommendation of the committee is final and binding on all the parties.

6.2 The technical evaluation will be an assessment of the Technical Bid(s). iHub Drishti Foundation representatives will proceed through a detailed evaluation of the Technical Bids as defined in the Schedule of requirements, specifications, and allied technical details, in order to determine whether they are substantially responsive to the requirements set forth in the tender. In order to reach such a determination, iHub Drishti Foundation will examine the information supplied by the BIDDERS, and shall evaluate the same as per the specifications mentioned in this tender.

- 6.3** The Committee will evaluate all the technical aspects of the bids received. Further, the Committee may seek additional information if it is required so.
- 6.4** After the technical evaluation is completed and approved, iHub Drishti Foundation shall inform to the BIDDERS whose bids have been rejected technically of the reasons for rejection.
- 6.5** The successful BIDDERS will be informed regarding the date and time of the Commercial bid opening.
- 6.6** The purpose of obtaining two bids (technical and commercial) is to evaluate all the firms on technical basis with reference to the tendered specifications, performance of similar Solutions/Applications elsewhere, obtaining users views with reference to the earlier supplies. This will enable the committee to arrive at a fair recommendation in the interest of the organization.
- 6.7** The evaluation shall be on the basis of the Quality and Cost Based Selection (QCBS) model based on the relevant documents submitted by the prospective BIDDERS along with the bid submission. The Committee shall examine with reference to the tendered specifications and document submitted therein.
- 6.8** In the event of seeking any clarification from various BIDDERS by iHub Drishti Foundation, the BIDDERS are required to furnish only technical clarifications that are asked for. No amendment to commercial bid will be entertained at that stage. In case if a BIDDER fails to quote for a particular item it amounts to non-compliance and hence such bid will not be considered for further evaluation. Further during this process if any BIDDER indicates the price during the clarification such bids also will not be considered for further evaluation.

**7. INVITATION FOR TENDER OFFERS (Designing HPC Cluster Solution)**

The BIDDERS are requested to give detailed tender in two Bids i.e.

- a. Part - I: Technical Bid**
- b. Part - II: Financial Bid**

**8. Technical Bid**

**8.1 Pre-Qualification Criteria**

The offline envelope clearly marked as "**Technical Bid-Envelope No.1**" shall contain the all originals documents in single envelope Format for Pre-Qualification and Technical Specification Qualification:

<b>Envelope No.1</b> (Following documents to be provided as a single physical file)			
<b>S N</b>	<b>Documents</b>	<b>Content</b>	<b>Submitted (Yes/ No)</b>
1.	Technical Bid (Pre-qualification)	Only manufacturer(s) or their sole authorized distributor / bidder are eligible to bid. Authorization letter in the prescribed format from Original Equipment Manufacturer (OEM) in favor of authorized Bidder to bid/conclude the order against this tender must be provided with technical bid. Manufacturer's Authorization Letter as per <b>Annexure-II</b> along with a copy of notarised Power of Attorney should also be furnished.	
2.		Declaration Sheet as per <b>Annexure – III</b> , Integrity Pact as Per <b>Annexure-IX</b> .	
3.		<i>Certificate of Guarantee/Warranty (on letter head) as per Annexure-IV</i>	
4.		Mandate Form for Electronic Fund Transfer / RTGS Transfer as per <b>Annexure-VI</b>	
5.		Compliance Sheet as per <b>Annexure-VII</b> , Bid Security Declaration as per <b>Annexure-X</b> .	
6.		Technical literature/ leaflets and complete specifications of quoted model(s) along with commercial terms and conditions.	
7.		Financial statements with net profit duly audited / certified by Chartered Accountant (CA) of the last three financial years (2018-19, 2019-20 and 2020-21) along with the copies of Income Tax Return (ITR) and P/L	

		statement must be enclosed with the technical bid. CA certificate with Unique Document Identification Number (UDIN) to be uploaded in support.	
8.		The Bidder must be a Company/firm registered under the Companies Act/Partnership firm/LLP/Proprietor/trust for the last three years. (Copy of Certificate of Incorporation / Registration of the firm Certificate must be uploaded on technical bid.	
9.		The Bidders should furnish a certificate that the rates quoted by the tenderer are not more than those quoted to any other institution/organisation in India or abroad during the last one year, with supporting documents.	
10.	Technical Bid (Technical Specification qualification)	<b>Technical Compliancy certificate:</b> This certificate must be provided indicating conformity to the technical specifications ( <b>Technical Compliance Sheet as per Annexure-I</b> )	
11.		The bidder should submit all the relevant documents required for the assessment of QCBS Scores. <b>Failure to provide documents may disqualify the bidder(s).</b>	
12.		AFFIDAVIT ON RUPEES 100 STAMP PAPER stating that the bidder is not under liquidation & blacklisted by any State Govt. or Central Govt. Organization or any Govt. undertaking department or any PSU's.	
<b>Envelope No. 2</b>			
<b>S N</b>	<b>Document</b>	<b>Content</b>	
1.	Financial Bid	Price bid should be submitted in offline mode in Envelope 2. Additional sheet has to be attached with the main sheet for quoting all the individual components (For example but not limited to, cost of each node Switch, KVM etc.).	

**Bid documents should be submitted as per the above sequence with Index page and page numbers (including technical literature). Each page of the bid should be signed & stamped in original. Unsigned bids will not be considered for evaluation. Each point of Envelope-I must be enclosed with the technical bid failing which the bid will not be evaluated. The tender of any bidder, who has not complied with one or more of the conditions of pre-qualification criteria and technical qualification criteria and / or fail to submit the required documents in prescribed format as mentioned / or required / or conditional tender are liable to be summarily rejected. The technical evaluation is to be done on the basis of the documents of Envelope No.1 mentioned in the above table.**

**Envelope 2 : “Commercial Bid” shall contain:**

- i. Cost of all the items should be mentioned clearly and individually in the Commercial Offer (Part-II) only.
- ii. The prices should be shown against each item for the purpose of Insurance claims/replacements if any.
- iii. List of deliverables / Bill of materials and services.

**Note:**

- (i) No request for extension of due date will be considered under any circumstances.
- (ii) Joint Ventures (JV) are not allowed and no sub-contracting is also allowed with regard to supply, installation, commissioning, warranty maintenance, and after-sales service. This is the sole responsibility of the Principals'/their authorized Bidders.
- (iii) iHub Drishti Foundation may issue corrigendum to tender documents before due date of Submission of bid. The bidder is required to read the tender documents in conjunction with the corrigendum, if any, issued by iHub Drishti Foundation. The bidder is not supposed to incorporate the amendment in the body of the tender document

**8.2 EVALUATION CRITERIA**

Section- 1 Evaluation Scheme (Two Stage Evaluation) The selection is a two-stage evaluation process based on the QCBS (quality and cost-based selection) having 70% weightage for technical bid and 30% based for financial bid respectively.

Evaluation of Technical bid will be based on the strictly compliance of the documents mentioned in **Envelope No.1 and Presentation.**

Even though any BIDDER may satisfy the above requirements, he/she would be liable to disqualification if he/she has:

(i) Made misleading or false representation or deliberately suppressed the information in the forms, statements and enclosures required in the eligibility criteria document.

(ii) Record of poor performance such as abandoning work, not properly completing the contract, or financial failures/weaknesses etc.

### **8.3 BID EVALUATION: Technical & Financial Evaluation Criteria for the Supply and Installation of “HPC Cluster Solution”**

Bids will be evaluated on a scale of 100. Technical offer will have a maximum score of 70 and financial offer a maximum score of 30. The bidders will be called for a presentation, as part of the technical bid assessment. The bidder must score a minimum of 45 points out of 70 (Bidder Evaluation + Technical Evaluation) and a minimum of 15 points out of 30 in Presentation Evaluation to qualify technically. The financial bids, for the bidders who do not qualify technically will not be opened and therefore, will not be considered as a part of the financial bid evaluation. The final award will be based on 70% weightage on technical bid evaluation (bidder + technical + presentation evaluation) and 30% weightage on financial bid evaluation. The financial score (FS) of other proposals will be determined using the formula:  $FS = 30 \times FP / F$ , in which FP is the lowest financial bid, and F is the financial bid of the particular vendor. Scores obtained on financial offer (out of 30) will be added to scores obtained on technical offer (out of 70) to get a consolidated score (out of 100). Bidder with the highest consolidated score will be selected/awarded. If there is a tie in the overall score, the vendor with the higher score on the financial offer will be selected/awarded.

Guidelines for technical bid evaluation:

**8.3.1** The Technical Bid Evaluation comprises of three parts:

- a. OEM Evaluation- 40points
- b. Technical Evaluation - 30points
- c. Presentation Evaluation - 30points

**8.3.2** All documents for ‘Bidder Evaluation’, ‘Technical Evaluation’, and ‘Presentation Evaluation’ need to be submitted with a technical offer. The list of submitted documents for evaluation must be clearly mentioned by the bidder in the prescribed format given in this tender and submitted with a technical offer to qualify. The print of the technical presentation is not required to be submitted with the technical offer.

**8.3.3** The technical compliance sheet (Annexure-I) needs to be duly filled and deviations (if any) must be mentioned clearly.

**8.3.4** The technical details must be submitted on or before the due date of submission. Further discussions related to the awarded scores by the committee will not be entertained.

<b>OEM Evaluation - Total 40 Points</b>					
<b>Sl No</b>	<b>Particulars</b>	<b>Points System</b>	<b>Max Points</b>	<b>Points Awarded (Not to be filled by the bidder)</b>	<b>Supporting Documents Attached</b>
1	Number of years the OEM has been engaged in HPC rack-based cluster supply, installation, support and maintenance (it will be counted from the date of supplied PO in the technical bid, irrespective of private or public sectors) in India. PO must be attached as a proof of evidence.	>10yrs   6 points 5 to <=10yrs   5 points 3 to <5yrs   4 points 1 to <3yrs   2 point <1yr   1 point	6		
2	Number of HPC rack-based cluster installations and supply executed by the OEM (as on date of submission including public and private sectors) in India. PO must be attached as a proof of evidence.	>10   6 points 8-10   5 points 5-7   4 points 3-4   2 points 1-2   1 point 0   0 point	6		
3	Cumulative turnover of OEM in last three financial years from Hardware supply, maintenance and Support service activities of rack based HPC servers only in India. Year 2018-2019 Year 2019-2020 Year 2020-2021 Supporting documentary evidence must be provided.	>500Cr   6 points 300 to <= 500Cr   5 points 200 to < 300Cr   4 points >50 to < 200Cr   2 points <=50Cr   1 point  Cr= Crore INR	6		
4	Number of HPC rack-based cluster installations and supply executed by the OEM in any PSU/Autonomous Bodies declared by the Govt. of India/Educational Institutions (as on date of submission). PO must be attached as a proof of evidence.	>7   6 points 6-7   5 points 4-5   4 points 2-3   2 points 1   1 point 0   0 point	6		
5	Presence of OEM in terms of HPC support desks.	a. OEM with presence in Rajasthan will get 6 points b. OEM having at least 4 offices in India will get 4 points c. OEM having at least 1 offices in India will get 1 points	6		



6	<p>The OEM should have set up at least 3 or more number of HPCs in the country in last three years with minimum 3 clusters containing sustained speed of 50 Tera Flops (for CPU only) or more. Also Bidder must have supplied at least 1 number of PFS storage in country with 50TB or more capacity in last 3 years (FY 2018-19, FY 2019-20 and FY 2020-21). Purchase order copies with bidder installations reports to be submitted along with contact nos. of the person.</p>	<p>&gt;=3 HPCs containing sustained speed of &gt;=50 TF (for CPU only) and supplied at least 1 no of PFS storage with &gt;=50TB in last 3 years   shall get 10 points</p> <p>2 HPCs containing sustained speed of &gt;=50 TF (for CPU only) and supplied at least 1 no of PFS storage with &gt;=50TB in last 3 years   shall get 5 points</p> <p>1 HPCs containing sustained speed of &gt;=50 TF (for CPU only) and supplied at least 1 no of PFS storage with &gt;=50TB in last 3 years   shall get 3 Points</p> <p>0 HPCs in last 3 years   shall get 0 point</p>	10		
<b>Bidder Evaluation : Total Points Awarded (A)</b>			<b>40</b>		
<b>Technical Evaluation - Total 30 Points</b>					
Sl No	Particulars	Points System	Max Points	Points Awarded (Not to be filled by the bidder)	Supporting Documents Attached
1	<p>No. of deviations cited in the Technical Compliance Sheet submitted by the OEM. However, the following deviations will not be allowed:</p> <p>1. Overall performance goal of Computing, Storage Throughput, IB connectivity with DGX A100.</p> <p>2. No. of Virtualization Node and Size of PFS and NAS.</p>	<p>0   10 points 1-3   7 points 4-6   4 points &gt;6   0 point</p>	10		
2	<p><a href="#">HPC OEM presence in Top500.org latest 4 reports</a> <a href="#">(Only distinct entry will be counted)</a></p>	<p>&gt;=10 entries of OEM   10 points 8-9 entries of OEM   7 points 5-7 entries of OEM   4 points 2-4 entries of OEM   2 points &lt;2 entries of OEM   0 point</p>	10		

3	Performance benchmarks as stated in the Performance Benchmark Sheet.	a. Best response (may be multiple) will get 10 points b. 2nd best response (may be multiple) will get 7 points c. 3rd best response (may be multiple) will get 5 points d. 4th best response (may be multiple) will get 3 points e. 5th and onwards response will get 0 point	10		
<b>Technical Evaluation : Total Points Awarded (B)</b>			<b>30</b>		
<b>Presentation Evaluation - Total 30 Points</b>					
Sl No	Particulars	Points System	Max Points	Points Awarded (Not to be filled by the bidder)	Supporting Documents Attached
1	Clarity of the Technical Proposal and overall approach to phase wise implementation.	Excellent - 6 Very Good -5 Good -4 Average-3 Poor-0	6		
2	Type and quality of User Interface including ease of operation		6		
3	Project Timelines and lead time for the supply of hardware		6		
4	Risk mitigation and Quality Management Plan		6		
5	Proposed Value Added Features and Innovative implementation approach to enable scalability and cost efficiency		6		
<b>Presentation Evaluation : Total Points Awarded (C)</b>			<b>30</b>		
<b>Overall Points Awarded (A + B + C) - Total 100 Points</b>					
Note: The bidder must score a minimum of 45 points [Bidder Evaluation (A) + Technical Evaluation (B)] and a minimum of 15 points in Presentation Evaluation(C) to qualify. The financial bids, for the bidders who do not qualify will not be opened and therefore, will not be considered as a part of the financial bid evaluation.					

**Based on results of the Technical evaluation iHub Drishti Foundation evaluates the Commercial Bid of those Bidders who qualify in the Technical evaluation.**

- a) iHub Drishti Foundation shall correct arithmetical errors on the following basis:
  - (i) If there is a discrepancy between the unit price and the line item total that is obtained by multiplying the unit price by the quantity, the unit price shall prevail and the line item total shall be corrected, unless in the opinion of the Purchaser there is an obvious misplacement of the decimal point in the unit price, in which case the line item total as quoted shall govern and the unit price shall be corrected.
  - (ii) If there is an error in a total corresponding to the addition or subtraction of subtotals, the subtotals shall prevail and the total shall be corrected; and
  - (iii) If there is a discrepancy between words & figures, the amount in words shall prevail, unless the amount expressed in words is related to an arithmetic error, in which case the amount in figures shall prevail subject to (i) and (ii) above.
- b) The Vague terms like “packing, forwarding, transportation.....etc. extra” without mentioning the specific amount/percentage of these charges will not be accepted. **Such offers shall be treated as incomplete and rejected.**
- c) After arriving at final pricing of individual offers of all the shortlisted firms, the firm with the highest score will be awarded Contract/Purchase Order.

## 9. AWARD OF CONTRACT

**9.1 Award Criteria:** The Bidder with the highest score shall be declared successful on the basis of QCBS model in the ratio of 70:30 weightage for technical bid and price bid respectively.

**9.2** The PROJECT DIRECTOR, iHub Drishti Foundation reserves the right to accept the offer in full or in parts or reject it summarily or partly.

## 10. PURCHASER'S RIGHT TO VARY QUANTITIES AT THE TIME OF AWARD

**10.1** IHUB DRISHTI FOUNDATION reserves the right at the time of award of Contract to increase or decrease the quantity of items specified in the Schedule of Requirements without any change in price or other terms and conditions.

**10.2** Firms which have already supplied similar items to IHUB DRISHTI FOUNDATION and have not completed required installation/after sales service/ warranty replacements etc. such firms offers will not be considered for further evaluation and no enquiries thereafter will be entertained.

## 11. CORRUPT OR FRAUDULENT PRACTICES

IHUB DRISHTI FOUNDATION requires that the BIDDERS who wish to bid for this project have the highest standards of ethics.

**11.1** IHUB DRISHTI FOUNDATION 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.

**11.2** IHUB DRISHTI FOUNDATION may declare a vendor ineligible, either indefinitely or for a stated duration, to be awarded a contract if it at any time determines that the vendor has engaged in corrupt and fraudulent practices during the execution of the contract.

**12.** In case of poor workmanship or if the work/supply is not done in time and in view of the exigency of the work/supply, if it is considered necessary to carry out the work/supply by some other means or to assign the work/supply to some other parties due to the failure on the part of the seller, 10 days time will be given to the seller to correct or complete the work/supply failing which the work/supply can be got done by other means at the cost & risks of the seller by allotting a tender at the risk and cost of the defaulting tenderer. The difference in the cost shall be recovered from the original tenderer cost.

**13. INTERPRETATION OF THE CLAUSES IN THE TENDER DOCUMENT / CONTRACT DOCUMENT:** In case of any ambiguity / dispute in the interpretation of any of the clauses in this Tender Document, **PROJECT DIRECTOR, IHUB DRISHTI FOUNDATION's interpretation of the clauses shall be final and binding on all parties.**

## 14. CONDITIONS OF CONTRACT

**14.1 Concession/Exemptions:** iHub Drishti Foundation as a Scientific and Industrial Research Organisation (SIRO) is entitled for availing GST exemptions and Customs Duty exemptions in terms of Notfn. No. 51/96 dated 23.07.1996, Notfn. No. 24/2007- Customs dt. 01/03/2007, Notfn. No.43/2017- Customs dt. 30/06/2017, Notfn. No. 45/2017-Central Tax (rate) &47/2017- Integrated Tax (Rate) dt. 14/11/2017, Notfn. No. 9/2018-Central Tax (Rate), Notfn. No. 09/2018- Union Territory Tax (Rate)&10/2018-Integrated Tax (Rate) dt.25/01/2018 and State Tax (Rate) as applicable and all notifications as amended from time to time. Presently this is valid till 31.03.2023 vide Order No. 11/888/2021-TU-Vdated 23/11/2021 issued from DSIR-Min. of Sc.& Tech; Govt. of India. state clearly that this Certificate is required.

### **14.2 Security Deposit:**

After the award of work, the Bidder shall be required to submit the performance security in the form of irrevocable bank guarantee in the prescribed format (***Annexure-VIII***) issued by any Nationalised/ Scheduled Bank / or Fixed Deposit Receipt, for an amount equal to the 3% of order value, within 14 days of issue of Purchase Order and **it will be kept valid for a period of 60 days beyond the date of completion of warranty period.**

**Warranty Period will be commenced from the date of the installation of the supplied item. Hence, be careful at the time of calculation of the validity date of Security Deposit. The BUYER will forfeit the security deposit if BIDDER fails to execute the order as per the Purchase Order.**

#### **14.3 Performance Benchmarks**

The technical evaluation committee needs to be provided with an evaluation system to carry out performance benchmarks.

#### **14.4 Payment Terms:** Payment will be made to the Bidder through following modes.

**14.4.1** Indigenous goods: NEFT/Cheque/Demand Draft: 80% After delivery and rest 20% after successful installation, testing and training at iHub Drishti Foundation and after submission of Security Deposit valid for warranty period + 2 months.

#### **14.4.2 Imported Goods:**

##### **Letter of Credit:**

a) Letter of Credit will be established on 100% of the Purchase Order Value. 80% of the Net Purchase Order value shall be paid on shipment of the equipment and on the submission of the following original documents through the bank:

The following documents are required for 80% of payments:

- i) Air Waybill/ Bill of Lading in Original.
- ii) Signed commercial invoice in duplicate for claiming 80% payment.
- iii) Certificate of Country of Origin.
- iv) Packing list in duplicate.
- v) Provide the manufacturer's guarantee certificate and in-house inspection certificate.

b) Balance 20% (Twenty Percent) of the Net Purchase Order value shall be released after satisfactory installation/ testing or commissioning and handing over of the equipment, on the submission of installation report duly certified by the HUB, through Bank.

The following documents are required for 20% payments:

- i) Signed commercial invoice.
- ii) Acceptance certificate by the purchaser.
- iii) All the bank charges within India will be borne by the HUB and outside India will be borne by the Bidder.
- iv) Performance Bank Guarantee (PBG) @3% of the order value

**Or**

Telegraphic Transfer (TT): 100% payment will be made after delivery and successful Installation and Submission of 3% Performance Security of the order value in the form of Bank Guarantee in the prescribed format issued from any Nationalized / Scheduled Bank of India for Satisfactory Performance of the contract. The Security Deposit shall be valid till the expiry of the Warranty period with provision for a claim period of two (02) months means warranty period + 60 days.

#### **14.5 Delivery & Installation:**

**14.5.1** All the goods ordered shall be delivered and installed at the iHub Drishti Foundation, IIT Jodhpur, **Karwad (NH-62), Nagaur Road, Jodhpur-342030**, within **12 weeks from** the date of issue of the purchase order/ date of opening of the Letter of Credit. All the aspects of safe delivery and commissioning shall be the exclusive responsibility of the Bidder.

**14.5.2 Extension of Delivery & Installation Period:** If the Bidder would be unable to complete the project/order within the stipulated time, for which the Bidder is responsible, it is required to request for the extension of the delivery period before the expiring of the delivery period mentioned in the purchase order, it may be extended with justified reasons. In case the Bidder would fail to complete the order within the stipulated time, the HUB reserves the right to cancel the contract/order and performance security / Earnest Money Deposited may be forfeited.

#### **14.6 Penalty Clause**

- **For delayed Services / LD:**

As time is the essence of the contract, the Delivery period mentioned in the Purchase Order should be strictly adhered to. Otherwise, IHUB DRISHTI FOUNDATION will forfeit Earnest Money Deposit (EMD)/Security Deposit (SD), and also Liquidated Damages (LD) clause will be applicable /enforced.

If the Bidder fails to Supply and install the equipment as per specifications mentioned in the order within the due date, the Bidder is liable to pay liquidated damages of 0.5% of the order value per day of delay subject to a maximum of 5% beyond the due date. Such money will be deducted from any amount due or which may become due to the Bidder.

IHUB DRISHTI FOUNDATION reserves the right to cancel the order in case the delay is more than **10 weeks**. Penalties, if any, will be deducted from the Invoice.

- **During extension of Letter of Credit (LC)**

In case the delivery date of the contract is extended to take care of delay in supply, for which the Bidder is responsible, the tenure of the LC is also to be extended, but the expense incurred for such an extension (of LC) is to be borne by the Bidder.

#### **14.7 Training of Personnel:**

The Bidder shall provide the technical training to the personnel involved in the use of the equipment at the HUB premises, immediately after completing the installation of the equipment at the company cost.

#### **14.8 Site Preparation:**

The Bidder shall inform to the HUB about the site preparation, if any, needed for the installation of equipment, immediately after the receipt of the purchase order. The Bidder must provide complete details regarding space and all the other infrastructural requirements needed for the equipment, which the HUB should arrange before the arrival of the equipment to ensure its timely installation and smooth operation thereafter.

The Bidder shall visit the HUB and see the site and whether the equipment is to be installed and may offer his advice and render assistance to the HUB in the preparation of the site and other pre-installation requirements.

#### **14.9 Merger / Acquisition of Foreign Principal:**

In case of merger of Foreign Principal with another Firm or acquisition of Foreign Principal by another firm, it shall be obligatory for the New Entity so formed after the merger of the Acquiring Firm, as the case may be, to take over all the duties and obligations/liabilities of the Foreign Principal and the New Entity / Acquiring Firm would *ipso facto* become liable for all acts of commission or omission on the part of original Foreign Principal as well as Indian Bidder.

#### **14.10 Change of Indian Bidder:**

In case the Foreign Principal changes in Indian Bidder then it shall be obligatory for Foreign Principal to automatically transfers all the duties and obligations to the New Indian Bidder, failing which the Foreign Principal would *ipso facto* become liable for all acts of commission or omission on the part of New Indian Bidder.

#### **14.11 Service Manual/Circuit Diagram**

It is specifically required that the bidders will supply all the operating & service manuals and circuit diagrams along with the equipment.

#### **14.12 Guarantee / Warranty:**

The firm has to provide Warranty for **Five Years** (5 years) from the date of the satisfactory installation / commissioning of equipment against the defect of any manufacturing, workmanship and poor quality of components and tenderer also give the guarantee / warranty declaration on the letterhead in prescribed format as attached with tender as **Annexure – IV**. In case, there is any variation in the warranty as per the specification of the item equipment, the warranty as specified in the specifications shall be final. In case, Bidder fails to repair / or rectify the equipment during the warranty / guarantee period, HUB may employ or pay other person/company for repairing the equipment, and all such damages, loss and expenses shall be recovered from the Bidder.

#### **14.13 Country of origin:**

The country of origin of the quoted item should be mentioned in the offer in the case of an imported item.

#### **14.14 Code of Integrity:**

No official of a procuring entity or a bidder shall act in contravention of the codes which includes

- (i) prohibition of

- a. making offer, solicitation or acceptance of a bribe, reward or gift or any material benefit, either directly or indirectly, in exchange for an unfair advantage in the procurement process or to otherwise influence the procurement process.
  - b. any omission, or misrepresentation that may mislead or attempt to mislead so that financial or other benefit may be obtained or an obligation avoided.
  - c. any collusion, bid rigging or anticompetitive behaviour that may impair the transparency, fairness and the progress of the procurement process.
  - d. improper use of information provided by the procuring entity to the bidder with an intent to gain unfair advantage in the procurement process or for personal gain.
  - e. any financial or business transactions between the bidder and any official of the procuring entity related to tender or execution process of contract; which can affect the decision of the procuring entity directly or indirectly.
  - f. any coercion or any threat to impair or harm, directly or indirectly, any party or its property to influence the procurement process.
  - g. obstruction of any investigation or auditing of a procurement process.
  - h. making false declaration or providing false information for participation in a tender process or to secure a contract;
- (ii) disclosure of conflict of interest.
  - (iii) Disclosure by the bidder of any previous transgressions made in respect of the provisions of sub-clause
    - (i) with any entity in any country during the last three years or of being debarred by any other procuring entity.

**14.15 Indemnity:** The vendor shall indemnify, protect and save IHUB DRISHTI FOUNDATION against all claims, losses, costs, damages, expenses, action suits, and other proceedings, resulting from infringement of any law pertaining to patent, trademarks, copyrights etc. or such other statutory infringements in respect of all the materials supplied by him.

**14.16 Insurance:** The *equipment* to be supplied will be insured by the vendor against all risks of loss or damage from the date of shipment till such time it is delivered at IHUB DRISHTI FOUNDATION site.

**14.17 Service Facility:** Bidder should mention about the service set up in India and how capable they are to provide after sales services.

**14.18 Banker's details:** Name and address of the banker of your company should be mentioned (*Annexure-VI*).

**14.19 Reference of supply:**

Name and contact details of the premier educational Institutes/research organisations (*IITs/IITs/NITs/IISER/CSIR/IISc, TIHs etc.*) where the quoted equipment has been installed in India should be enclosed. Copies of at least three purchase orders may be attached. iHub Drishti Foundation may reserves the right to inspect the equipment for its actual performance in any of the listed Institute.

**14.20 Acceptance of Terms & Conditions:**

Bidders must confirm the acceptance of all the terms and conditions of this NIQ. Any non-acceptance or deviations from the terms and conditions must be clearly mentioned. However, tenderers must note carefully that any conditional offer or any deviation from the terms and conditions of this NIQ may render the quotation liable for rejection. iHub Drishti Foundation does not bind itself to accept the lowest of any tender and reserves the right to reject any or all tenders.

Note: The PROJECT DIRECTOR, iHub Drishti Foundation reserves the right to accept/reject any or all tenders.

**14.21 Force Majeure:**

The Bidder shall not be liable for forfeiture of its performance security, liquidated damages or termination for default, if and to the extent that, it's delay in performance or other failure to perform its obligations under the Contract is the result of an event of Force Majeure.

- For purposes of this Clause, "Force Majeure" means an event beyond the control

of the Bidder and not involving the Bidder's fault or negligence and not foreseeable. Such events may include, but are not limited to, acts of the Purchaser either in its sovereign or contractual capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions and freight embargoes.

- If a Force Majeure situation arises, the Bidder shall promptly notify the Purchaser in writing of such conditions and the cause thereof. Unless otherwise directed by the Purchaser in writing, the Bidder shall continue to perform its obligations under the Contract as far as is reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event.

#### **14.22 Arbitration and Laws:**

In case of any dispute or difference arising out of or in connection with the tender conditions / order and Contract, the HUB and the Bidder will address the dispute / difference for a mutual resolution and failing which, the matter shall be referred for arbitration to a sole Arbitrator to be appointed by the HUB. The Arbitration shall be held in accordance with the provisions of the Arbitration and Conciliation Act, 1996 and the venue of arbitration shall be at Jodhpur only. The resolution of the Arbitrator shall be final and binding on both the parties.

#### **14.23 Jurisdiction:**

The courts at Jodhpur alone will have the jurisdiction to try any matter, dispute or reference between parties arising out of this tender / contract. It is specifically agreed that no court outside and other than Jodhpur court shall have jurisdiction in the matter.

#### **14.24 Requirement of Registration (O.M. No. F.No. 6/18/2019-PPD dated 23-07-2020)**

- I. Any bidder from a country which shares a land border with India will be eligible to bid in this tender only if the bidder is registered with the Competent Authority.
- II. "Bidder" (including the term 'tenderer', 'consultant' or 'service provider' in certain contexts) means any person or firm or company, including any member of a consortium or joint venture (that is an association of several persons, or firms or companies), every artificial juridical person not falling in any of the descriptions of bidders stated hereinbefore, including any agency branch or office controlled by such person, participating in a procurement process.
- III. "Bidder from a country which shares land border with India" for the purpose of this Order means:-
  - a. An entity incorporated, established or registered in such a country; or
  - b. A subsidiary of an entity incorporated, established or registered in such a country; or
  - c. An entity substantially controlled through entities incorporated, established or registered in such a country; or
  - d. An entity whose beneficial owner is situated in such a country; or
  - e. An Indian (or other) agent of such a country; or
  - f. Natural person who is a citizen of such a country; or
  - g. A consortium or joint venture where any member of the consortium or joint venture falls under any of the above.
- IV. The beneficial owner for the purpose of (iii) above will be as under:
  1. In case of a company or Limited Liability Partnership, the beneficial owner is the natural person(s), who, whether acting alone or together, or through one or more juridical person, has a controlling ownership interest or who exercises control through other means.

Explanation-----

- a. "Controlling ownership interest" means ownership of or entitlement to more than twenty-five percent of shares or capital or profits of the company;
- b. "Control" shall include the right to appoint majority of the directors or to control the management or policy decisions including by virtue of their shareholding or management rights or shareholders agreements or voting agreements;

2. In case of partnership firm, the beneficial owner is the natural person(s) who, whether acting alone or together, or through one or more juridical person, has ownership of entitlement to more than fifteen percent of capital or profits of the partnership;
  3. In case of an unincorporated association or body of individuals, the beneficial owner is the natural person(s), who, whether acting alone or together, or through one or more juridical person, has ownership of or entitlement to more than fifteen percent of the property or capital or profits of such association or body of individuals;
  4. Where no natural person is identified under (1) or (2) or (3) above, the beneficial owner is the relevant natural person who holds the position of senior managing official;
  5. In case of a trust, the identification of beneficial owner(s) shall include identification of the author of the trust, the trustee, the beneficiaries with fifteen percent or more interest in the trust and any other natural person exercising ultimate effective control over the trust through a chain of control or ownership.
- V. A Bidder is a person employed to do any act for another, or to represent another in dealings with third person.

#### **Certificate for Tenders**

“I have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India; I certify that this bidder is not from such country or, if from such a country, has been registered with the Competent Authority. I hereby certify that this bidder fulfils all requirements in this regard and is eligible to be considered.”



## TECHNICAL COMPLIANCE SHEET

1	Head/Master and Virtualization Node		Qty: 3	
	Component	Descriptions	Complied	Remarks If Any
1.1	Make & Model	(Please Specify)		
1.2	Form Factor	Rack Mount up to 2U or lesser		
1.3	Processor	Max. 2 nos. x86 CPU, with minimum 24-cores, 2.5GHz or more. Processor quoted should of same make as the CPU of compute nodes & of the latest generation		
1.4	Memory	Min. 4GB per processor core or more. Total minimum 256 GB. Memory DIMMs should be populated such that all memory channels of both the processors are equally populated (balanced memory configuration)		
1.5	Memory speed	Memory should operate at the maximum frequency supported by the quoted processor.		
1.6	Disk controller	12Gbps SAS controller supporting RAID 0, 1, 10, 5 ,50 ,60 & 6 with dedicated cache memory.		
1.7	Hard Disk Drives & SSDs	At least 4x1.2TB 10k RPM SAS Disk in RAID-5 At least 2 x 960GB SATA Enterprise GRADE SSD (Min 3 DWPD Endurance)		
1.8	I/O slots	Minimum 3 nos. x16 (data width) PCIe slots of highest generation supported by the quoted processor		
1.9	Network interface	At least 2 number of Gigabit ports onboard. At least 1 number dual-port 10G with 2 x 10G SR Transceivers		
1.10	Management port	At least 1 dedicated 1Gbps management port		
1.11	Cluster Interconnect	100 Gbps HDR100 (or higher) Infiniband Single Port with cable at least 2m (same make as the IB switch SWITCH)		
1.12	Power supply	80Plus Platinum-certified redundant power supply & hot-plug		
1.13	Cooling	Optimum no. of Cooling fans.		
1.14	Operating System	Should support the latest version of 64-bit Redhat Linux. Appropriate licenses should be included.		
1.15	Warranty	5 years onsite warranty. Physical on-site (iHub Drishti Foundation) visit by technical experts for maintenance and technical support whenever needed.		
1.16	Server management (Intelligent Platform Management, Interface, IPMI)	IPMI 2.0 or more Support with KVM and Media over LAN features. Must include any licenses, if required for using these features.  It should be able to automate management tasks and automated firmware updates.		
1.17	Authentication	Directory services (AD, LDAP)based authentication		
1.18	Sub-component quality assurance	Bidder should provide sub-component quality assurance certificate from OEM.		
1.19	Server security	Hardware root of trust or equivalent, automatic secure BIOS recovery, cryptographically signed firmware update, configuration and firmware drift detection, protection against compromised firmware execution		
1.20	Accessories and Cables	All required accessories and cables		
2.		Qty: 7 nodes		

	<b>Component</b>	<b>Descriptions</b>	<b>Complied</b>	<b>Remarks If Any</b>
2.1	<b>Make &amp; Model</b>	(Please specify)		
2.2	<b>Form Factor</b>	Rack Mount up to 2U or lesser		
2.3	<b>Processor</b>	Max. 2 nos. x86 CPU, supporting minimum 32 cores, 2.5 GHz or more. Processor quoted should be of same make as CPU of compute nodes, and of latest generations.		
2.4	<b>Accelerator</b>	Min. 2 nos. server/data-center class NVIDIA GPU (Ampere Microarchitecture or higher if any) with 24 GB minimum main memory with minimum peak FP32 performance throughput of 10 TFLOPS per GPU. Processor quoted should be only of the latest generation of the quoted OEM.		
2.5	<b>Memory</b>	Min. 256GB memory. Expected 4GB per processor core or more. Memory DIMMs should be populated such that all memory channels of both the processors are equally populated (balanced memory configuration)		
2.6	<b>Memory speed</b>	Memory should operate at the maximum frequency supported by the quoted processor.		
2.7	<b>Disk controller</b>	Minimum 6Gbps SAS/SATA controller supporting RAID-1		
2.8	<b>Hard Disk Drives &amp; SSDs</b>	At least 1 x 480GB SATA Enterprise GRADE SSD (3 DDPD Endurance)		
2.9	<b>I/O slots</b>	Minimum 2 nos. x16 (data width) PCIe slots of highest generation supported by the quoted processor. Out of which at least 1 slot vacant after populating all Add on Cards.		
2.10	<b>Network interface</b>	At least 2, 1 Gbps port with cable		
2.11	<b>Management port</b>	At least 1 dedicated 1Gbps management port with cable		
2.12	<b>Cluster Interconnect</b>	100 Gbps HDR100 (or higher) Infiniband Single Port with cable at least 2m (same make as the IB switch SWITCH)		
2.13	<b>Power supply</b>	80Plus Platinum certified redundant power supply & hot-plug		
2.14	<b>Cooling</b>	Optimum no. of Cooling fans.		
2.15	<b>Operating System</b>	Should support the latest version of 64-bit Redhat Linux. Appropriate licenses for the same should be included.		
2.16	<b>Warranty</b>	5 years onsite warranty. Physical on-site (iHub Drishti Foundation) visit by technical experts of Bidder or OEM for maintenance and technical support whenever needed.		
2.17	<b>Server management (Intelligent Platform Management, Interface, IPMI)</b>	IPMI 2.0 or more Support with KVM and Media over LAN features. Must include any licenses, if required for using these features.  It should be able to automate management tasks and automated firmware updates.		
2.18	<b>Authentication</b>	Directory services (AD, LDAP) based authentication		
2.19	<b>Sub-component quality assurance</b>	Bidder should provide a sub-component quality assurance certificate from OEM.		
2.20	<b>Server security</b>	Hardware root of trust or equivalent, automatic secure BIOS recovery, cryptographically signed firmware update, configuration, and firmware drift detection, protection against compromised firmware execution		
2.21	<b>Accessories and Cables</b>	All required accessories and cables		
3	<b>PFS Storage and NAS Storage System</b>		<b>Qty: 1 Set</b>	

#N/A	Storage required for PFS and NAS functions. A single appliance based storage unit combined for (PFS & NAS) or separate units respectively meeting below specifications are acceptable.			
	<b>Parameter</b>	<b>Descriptions</b>	<b>Complied</b>	<b>Remarks If Any</b>
<b>3.1</b>	<b>Single Appliance/Separate Units</b>	(Please specify)		
<b>3.2</b>	<b>PFS requirements as below</b>			
<b>3.2.1</b>	<b>PFS Storage Performance</b>	The storage solution must be designed for aggregate performance of at least 5GBps from all nodes/controllers simultaneously. A Detailed benchmark report shall be submitted along for both layers with technical solution proposal on proposed Hardware. The same needs to be shown during acceptance.		
<b>3.2.2</b>	<b>PFS Storage Capacity</b>	Bidder to supply 100 TB usable capacity based storage space in single global namespace such that:  1) Capacity Layer : 90 TB usable capacity on 12Gbps 7.2K RPM NL SAS disks with RAID 6 (8+2) or equivalent. 2) Performance Layer: 10TB usable capacity on 1DWPD SSDs Flash with RAID 6 (8+2) or equivalent. 3) Metadata Storage Space: Metadata capacity should be configured to accommodate minimum 2% of 100TB on 1DWPD SSDs in RAID 1/6 4) Parallel File system should be OEM supported Lustre or GPFS.		
<b>3.2.3</b>	<b>PFS Storage Scalability</b>	Storage should be scalable up to 400TB either from the same enclosure or by adding an enclosure in future.		
<b>3.2.4</b>	<b>PFS Availability</b>	PFS storage system must provide no single point of failure		
<b>3.2.5</b>	<b>PFS Connectivity</b>	Minimum 2 x Hi Speed 100Gbps (IB) Interconnect compatible with 200Gbps HDR IB network ports per controller.		
<b>3.2.6</b>	<b>PFS Features (1)</b>	User, Group and directory level Quota  Ability to transfer data from external storage to GPU-Direct-Storage functionality to move data from PFS to GPU memory bypassing CPU cache all the way to applications running inside docker containers. Such storage functionality must be supported by NVIDIA Magnum-IO library.  Storage solution must support functionality to move most frequently accessed files automatically to higher performance flash tier based on policies and migrate least frequently accessed data to disk tier. Any additional servers, software or licenses required to meet this functionality must be quoted with the tender response.		
<b>3.2.7</b>	<b>PFS Features (2)</b>	Ability to transparently recover from client, server and network failures without losing data.  Must support native Parallel filesystem client access to AI/ML/DL applications running inside docker container framework.  OEM supported Lustre PFS or GPFS is to be provided.		

3.2.8	<b>PFS Features (3)</b>	All PFS features of the file system mentioned in the OEM datasheet must be included. Stripped down versions are not accepted.		
3.2.9	<b>Storage I/O Node</b>	In case of any additional Storage I/O Node is required to support the PFS requirements, please specify the configurations, reasoning and the design of the same.		
3.3	<b>NAS Requirement as below</b>			
3.3.1	<b>NAS Storage Operating System</b>	There should be only one OS with Filesystem to provide the required Protocols. The storage solution should be in HA (active-active) mode.		
3.3.2	<b>NAS Protocol</b>	<p>Must provide access for a variety of operating systems (UNIX, Mac, Linux, Windows) using all standard protocols: NFS, SMB, CIFS. All protocols MUST be included without additional licenses and hardware.</p> <p>Should support user security mechanisms like AD, LDAP and NIS.</p> <p>Storage solution must support multiple protocols (as asked above) at the same time on the same piece of hardware or Gateway Systems in HA must be included to offer functionality.</p> <p>License should be provided for all the protocol and it should be perpetual.</p>		
3.3.3	<b>NAS File Locking &amp; Filtering</b>	File Locking for Data protection from corruption while sharing files between UNIX and Windows users.		
3.3.4	<b>NAS File Sharing and other features</b>	<p>Should allow simultaneous access to the same file/data via SMB and NFS for data sharing between UNIX and Windows hosts</p> <p>Built-in Snapshot with rollback must be supported.</p>		
3.3.5	<b>NAS Storage to Host Connectivity</b>	<p>Minimum 2x10G Fiber ports per controller or node, shall include required hardware and software licenses if any (Connectivity ports can be common with PFS if single appliance storage is offered)</p> <p>Storage must have support for FC (16G) Controllers too.</p>		
3.3.6	<b>NAS Storage Capacity</b>	Bidder to supply 200 TB usable capacity on 12Gbps 7.2K RPM NL SAS disks with RAID 6 (8+2) or equivalent. At least two Volume must be offered. One Hot Spare for every 8 data disks		
3.4	<b>Storage Features required in both PFS Storage &amp; NAS Storage, as below</b>			
3.4.1	<b>Controller</b>	At least dual storage controller/Storage Nodes.		
3.4.2	<b>Controller Cache</b>	The system with battery backed 128GB cache or more across the controller with an ability to protect data on cache if the system fails and it results into controller failure. The cache on the storage should have battery backup. Cache shall be dynamically managed for both Read and Write operations.		
3.4.3	<b>Client Load Balancing</b>	Storage System should have capability to load balance client connectivity across these multiple controllers so that all clients gets distributed across all existing controllers/nodes to avoid any performance hotspot.		

3.4.4	<b>Redundancy</b>	There should be complete Redundancy at the controller, data storage level and hot swappable disks for easy operations		
3.4.5	<b>RAID Support</b>	The solution offered must support RAID 1,5,6 or equivalent.		
3.4.6	<b>Storage Feature</b>	Storage systems (disk shelves & Controller ) should support SSD/ SATA/ NL-SAS/ SAS disks simultaneously.		
3.4.7	<b>Storage Disks Types</b>	SAS, NL-SAS and SSD drives to be support		
3.4.8	<b>Storage Management</b>	Should have Single Graphic Use Interface (GUI) for both File and Block as well as command line interfacing. Must include real time performance monitoring tools giving information on CPU utilization, volume throughput, I/O rate and latency etc.		
3.4.9	<b>Security</b>	<p>The system must support encrypting data at rest.</p> <p>Must support security features to prevent untrusted clients for changing data via root squash or other means.</p> <p>The system must support multiple multitenant access zones for different Active Directories and LDAP. Each Access zone must simultaneously support local, Active Directory and LDAP users.</p> <p>The system must support Role Base Access Control with Integration with Active Directory and LDAP.</p> <p>The system must be able to support System Auditing for system as well as supported protocols.</p> <p>The system must support multiple DNS.</p> <p>The system should have automated file system integrity and data integrity checks built in to prevent data loss data integrity issues due to data inconsistencies or file sytem corruption.</p> <p>Any additional licenses required for all of above features must be supplied with appropriate bill of material.</p>		
3.4.10	<b>User License</b>	Storage must support unlimited user license		
3.4.11	<b>Warranty</b>	5 years onsite warranty Physical on-site (iHub Drishti Foundation) visit by technical experts for maintenance and technical support whenever needed.		
3.4.12	<b>Data Transfer</b>	The OEM needs to transfer data from the existing NAS storage of iHub Drishti Foundation.		
<b>4</b>	<b>Switches and Accessories</b>			
	<b>Parameter</b>	<b>Descriptions</b>	<b>Complied</b>	<b>Remarks If Any</b>
4.1	<b>KVM</b>	1 Unit of - 17 inch Display, Keyboard, Video and Mouse (KVM) Console with All accessories.		
4.2	<b>KVM Switch</b>	2 Unit of - 16 Port KVM over IP Switch (USB based) with all required Cables & Accessories.		
4.3	<b>Ethernet Switches</b>	2 Unit of - 24 Port, 1 Gbps (RJ-45) Ethernet Switch for Secondary Communication Purpose  2 unit of 24 Port, 1 Gbps (RJ-45) Ethernet		

		Switch for management.		
4.4	<b>Infiniband Switch</b>	40-ports OR MORE based, 200Gbps, 100% Non-blocking, Switching Fabric (Mellanox HDR InfiniBand or higher) with embedded Subnet Manager for 80 devices (Nodes) or more and with redundant power supply/supplies.  All cables (at least 2m in length or more) required for connecting the devices (Nodes) quoted in this tender should be included/bundled.		
4.5	<b>Rack</b>	Vendors should propose optimum solution using at the max two 42U Racks.		
4.6	<b>UPS</b>	iHub Drishti Foundation already has 2 x 120KVA UPS configured in HA Mode out of which about 40KVA in HA can be allocated to the proposed HPC cluster, thus Vendors will be required to connect HPC Equipment asked in the RFP, with existing UPS.		
4.7	<b>Air Conditioning Solution</b>	iHub Drishti Foundation will provide a server room/Data Centre Space with two standard 42U rack (bidders can visit the site to see the space and racks). Precision Cooling Solution is already available with iHub Drishti Foundation considering the max 15KW of IT Load per Rack. Thus the Vendor needs to propose a solution in such a way that all IT Equipments required to be supplied as per the Tender and to be populated in 2 Racks or less.		
4.8	<b>Other Accessories</b>	KeyBoard tray, cable manager, cable route, any other required accessories as per requirement of the above mentioned configuration of master, compute, virtualization node and storages must be supplied by Vendor.		
<b>5</b>	<b>Softwares</b>			
	<b>Parameter</b>	<b>Descriptions</b>	<b>Complied</b>	<b>Remarks If Any</b>
5.1	<b>Operating System</b>	Cent Os		
5.2	<b>Resource Manager &amp; Scheduler</b>	Job status reporting		
		Job History Reporting up to 6 months or more		
		Policy-aware workload cum resource manager,		
		Policy aware scheduling		
		Resource-aware scheduling		
		Topology-aware scheduling		
		Dynamic reservation of resource		
		Advance reservation Live support		
		Support of job submission through CLI, Web-services and APIs		
		Load aware power management		
		Fair share support		
		Multiple queues support		
		Multiple partitions support		
		Dynamic partitions support		
		Dynamic queues support		
		Scriptless job submission		
Heterogeneous cluster support				
User should be able to submit AI job through job scheduler in GUI mode				
Multi-cluster support				
MPI aware scheduling				

		Consumable resources scheduling		
		Preemptive and backfill scheduling support		
		Application integration support		
		SLA/Equivalent		
		GPU and Co Processor Aware scheduling		
		CPU, Multi Core, Multi thread aware scheduling		
		Cluster Manager and job scheduler should provide single GUI for users/Admin.		
		Intuitive web interface to submit and monitor jobs		
<b>5.3</b>	<b>Resource Management/Job Scheduling Support</b>	REQUIRED		
<b>5.4</b>	<b>File Systems Supported</b>	Lustre, GPFS from day one		
<b>5.5</b>	<b>Commercial Licensed Cluster Management S/W (License issued in the name of iHub DrishtiFoundation)</b>	<p>Unified system management, monitoring toolset for configuration, diagnosis and management of the system</p> <p>Cluster manager with provisioning, monitoring and reporting capabilities</p> <p>Support Package and Image based provisioning</p> <p>Support Disk full and diskless cluster deployment</p> <p>Intuitive web interface to manage and customize the cluster</p> <p>Customizing networks and compute node profiles through GUI</p> <p>Customizing compute nodes (upto changing kernel parameter)</p> <p>Able to Push configuration changes and updates to the compute nodes without reinstalling and rebooting</p> <p>Note: Offered Stack must have been deployed by OEM/Bidder earlier as well as part of HPC Solution - documentary evidence must be provided.</p>		
<b>5.6</b>	<b>Software Support for both Serial and Parallel Environment</b>	YES		
<b>5.7</b>	<b>Intel Cluster Studio - for Academic</b>	Intel® Parallel Studio XE Cluster Edition for Linux* - Named User License Academic for 5yrs (ESD)		

**Supply, Installation, and In-house training for HPC:-**

1. Before acceptance and installation of any item, the quality, specification, and quantity will be verified by iHub Drishti Foundation.
2. Installation of items part of this tender will have to be carried out by the trained engineers of the vendor. Any specific requirement of the vendor regarding the installation of above-mentioned items must be mentioned in the technical bid so that iHub Drishti Foundation can provide the resources for the same.
3. Installation of OS, Job scheduler and other management utilities should be done by the engineers, either prior to the delivery of the factory integrated solution or on-site. For security reasons and firewall-related issues, installation and testing of scientific applications and any other application/utility, other than the factory integrated ones, should be done onsite.
4. 1 day in-house training by Certified Professionals at iHub Drishti Foundation including installation of software, bench-marking HPL, benchmarking storage, monitoring of HPC Cluster for 24 Hours, LINUX commands, HPC Management etc. Scripts for the bench-marking calculations will provide on request.
5. All the installation needs to be done by OEM.

**Additional Characteristics of the Overall Solution**

1. 5 Years of onsite comprehensive warranty and support for all the components. Additional 2 years optional AMC price to be quoted.
2. System health monitoring infrastructure – Integrated supervisory system at hardware and software levels.
3. Flexibility in running ISV application, legacy codes as well as a highly scalable application efficiently
4. Programming Environment – Optimized compilers, Tools, and Libraries that improve programming productivity, promises application scalability and performance.
5. Firmware – All hardware should be installed with the latest stable version of the firmware. Support for the firmware should be provided for the 5 yrs warranty and 6th and 7th year extended period of warranty.
6. Upgradability –The proposed solution should offer flexible upgrade options to take advantage of next-generation compute processor, accelerator, I/O technology etc. Please describe possible procedures and schedules of upgrade options and the impact to the end user during such upgrades.
7. Warranty: - The entire HPC solution including each software, firmware, and hardware component should have a 5 year warranty (with 24x7 service level unless specified otherwise earlier.)
8. Submit the specifics of “24x7” support in terms of response and resolution time for various types of problems in the HPC cluster.

The details of the model quoted along with the technical specifications for which quoted must be submitted.  
Declaration: I have also enclosed all relevant documents in support of my claims, (as above) in the following pages.

**Signature of Bidder**

**Name:** \_\_\_\_\_  
**Designation:** \_\_\_\_\_  
**Organization Name:** \_\_\_\_\_  
**Contact No. :** \_\_\_\_\_



**FORMAT FOR MANUFACTURER'S AUTHORISATION LETTER TO BIDDER (on letterhead)**

Ref. No.

Date:

To,

iHub Drishti Foundation  
Indian Institute of Technology Jodhpur  
NH 65 Nagaur Road, Karwar 342030  
Jodhpur District  
[procurement@ihub-drishti.ai](mailto:procurement@ihub-drishti.ai)  
<https://ihub-drishti.ai/>

**Sub.: Authorization Letter.**

Dear Sir,

We, \_\_\_\_\_, who are established and reputed manufacturers of \_\_\_\_\_, having factory/office at \_\_\_\_\_, hereby authorize M/s. \_\_\_\_\_ (name & address of Indian distributor /Bidder) to bid and conclude the order with you for the above goods manufactured by us.

We shall remain responsible for the tender / contract/agreement by the said M/s. \_\_\_\_\_, jointly and severally.

We ensure that we would also support / facilitate the M/s \_\_\_\_\_ on regular basis with technology / product updates for up-gradation / maintains / repairing / servicing of the supplied goods manufactured by us, during the warranty period.

In case duties of the Indian Bidder / distributor are changed or Bidder / distributor is changed it shall be obligatory on us to automatically transfer all the duties and obligations to the new Indian Bidder failing which we will ipso-facto become liable for all acts of commission or omission on the part of new Indian Bidder / distributor.

Yours faithfully,

[Name & Signature]  
for and on behalf of M/s. \_\_\_\_\_ [Name of manufacturer]

**Note:** This letter of authorisation should be on the letterhead of the manufacturing concern and should be signed by a person competent and having the power of attorney to bind the manufacturer. A copy of notarised power of attorney should also be furnished.

Only manufacturer(s) or their sole authorized distributor / Bidder are eligible to bid. Authorization letter in the prescribed format (**Annexure – II**) from Original Equipment Manufacturer (OEM) in favour of authorized Bidder to bid / conclude the order against this tender, must be enclosed with technical bid.

**DECLARATION SHEET**

We, \_\_\_\_\_ hereby certify that all the information and data furnished by our organization with regard to this tender specification are true and complete to the best of our knowledge. I/We have gone through the specification, conditions and stipulations in details and agree to comply with the requirements and intent of specification. This is certified that our organization has been authorized (Copy attached) by the OEM to participate in Tender. We further certified that our organization meets all the conditions of eligibility criteria laid down in this tender document. Moreover, OEM has agreed to support on regular basis with technology / product updates and extend support for the warranty. The prices quoted in the financial bids are subsidized due to HUB discount given to iHub Drishti Foundation.

We, further specifically certify that our organization has not been Debarred/Black Listed/De Listed or put to any Holiday by any Institutional Agency/ Govt. Department/ Public Sector Undertaking in the last three years and that there is no enquiry going on by CBI/ED/any other Govt. agency against the firm.	NAME & ADDRESS OF THE Vendor/ Manufacturer / Bidder
1 Phone	
2 Fax	
3 E-mail	
4 Contact Person Name	
5 Mobile Number	
6 GST Number	
7 Kindly provide bank details of the bidder in the following format: a) Name of the Bank	
b) Account Number	
c) Kindly attach scanned copy of one Cheque book page to enable us to return the EMD to unsuccessful bidder	

(Signature of the Tenderer)

Name:

Seal of the Company

**Certificate of Guarantee/Warranty (on letter head)**

I / We certify that the guarantee / warranty shall be given for a period of 5 (Five) Years starting from the date of the satisfactory installation, commissioning and handing over of the equipment and the work completed under the contract. During the guarantee / warranty period, I / we shall provide the “after sale service” and the replacement of defective / or any part(s) of the equipment or rectification of defects of work of the equipment will be free of cost. The replacement of the parts shall be arranged by us, at our own cost and responsibility. We undertake that the above guarantee / warranty shall begin only from the date of successful installation. The benefit of change in dates of the guarantee / warranty period shall be in the interest of the user / your organization.

I / We shall try to repair the equipment at Institute premises. However, in case it is not possible to repair the equipment at Institute premises, we will take out the equipment to our site on our own expenses. We shall take the entire responsibility for the safe custody and transportation of the equipment taken out for repairs till the equipment is rehabilitated to the Institute after repair. If any loss of equipment occurred during our custody, we will restore it / compensate to Institute for such losses.

I / We guarantee that in case we fail to carry out the maintenance work within the stipulated period, the Institute reserves the right to get the maintenance work carried out at our risk, cost and responsibility after informing us. All the expenses including excess payment for repairs / maintenance shall be adjusted against the Security Deposit. In case the expenses exceed the amount of the Security Deposit, the same shall be recoverable from us with / without interest in accordance with the circumstances.

I / We undertake to perform calibration after every major repair / breakdown / taking the equipment out for repair from the Institute premises. I / We guarantee that we will supply spare parts, if and when required on agreed basis for an agreed price. The agreed basis could be an agreed discount on the published catalogue price.

I / We guarantee to the effect that before going out of production of the spare parts, we will give the adequate advance notice to Institute so that Institute may undertake to procure the balance of the life time requirements of the spare parts.

### Performance Benchmarks

The following benchmarks have to be conducted and submitted along with the technical bids. The benchmarking must be done on the proposed hardware, software and network architecture only. The OS must be CentOS 64-bit version only.

The solution proposed by OEM should seamlessly work with DGX A100 (already available with iHub Drishti Foundation) including communication, storage and computation. Any deviation will lead to immediate disqualification. iHub Drishti Foundation will lease on the support with the OEM.

**HPL:** This is the widely used implementation of the Linpack TPP benchmark. It measures the sustained floating point rate of execution for solving a linear system of equations in double precision (64 bits) arithmetic on distributed-memory computers. The HPL software package requires the availability on your system of an implementation of the Message Passing Interface with an implementation of either the Basic Linear Algebra Subprograms. Only the latest version of opensource Netlib HPL benchmarking must be used.

Run on all CPUs of all the compute nodes (i.e. CPU-CPU) considering the largest N (problem size) that need at least 80% of the total memory being proposed. HPL performance with Rmax/Rpeak < 55% will lead to immediate disqualification.

**HPL-AI** May download the latest version from <http://www.netlib.org/benchmark/hpl>  
The HPL-AI benchmark seeks to highlight the emerging convergence of high-performance computing (HPC) and artificial intelligence (AI) workloads. While traditional HPC focused on simulation runs for modeling phenomena in physics, chemistry, biology, and so on, the mathematical models that drive these computations require, for the most part, 64-bit accuracy. On the other hand, the machine learning methods that fuel advances in AI achieve desired results at 32-bit and even lower floating-point precision formats. This lesser demand for accuracy fueled a resurgence of interest in new hardware platforms that deliver a mix of unprecedented performance levels and energy savings to achieve the classification and recognition fidelity afforded by higher-accuracy formats.

**AiPerf** Can be downloaded from : <https://hpl-ai.org/doc/software>  
AIPerf is a suite of end-to-end benchmarks utilizing state-of-the-art machine learning techniques and real-world tasks to measure the performance of various AI machines. It represents real AI scenarios, and scales auto-adaptively to various scales of machines. The automl pipeline (including NAS, HPO, etc.) is implemented in a highly parallel and flexible way to ensure the efficiency and optimization potential on diverse systems with customizable configurations. We utilize operations per second (OPS), which is measured in an analytical and systematic approach, as the major metric to quantify the AI performance. With flexible workload and single metric, our benchmark can scale and rank AI-HPC easily.

The MoE benchmark, targeting a trending model structure for large models, requires both powerful computation throughput and high communication bandwidth to achieve high performance. With support of mixed-precision training and highly configurable parallel strategy, efforts of collaboration between hardware design and software optimization is highly appreciated. Systems with high score on this benchmark have promising capability of training modern large models efficiently.

- OSU** Can be downloaded from : <https://aipperf.org/>  
Since the benchmarking will be made on IB environment, hence run OSU code. Make sure to include for both collective and non-collective memory in MPI, and other related tests pertaining to the same. Run across two farthest interconnected nodes. The problem size to be considered as Message sizes 64KB, 128KB, 256KB, 512KB, 1MB, 2MB and 4MB.
- STREAMS** May download the latest version from <http://mvapich.cse.ohio-state.edu/benchmarks/>  
A simple benchmark test that measures sustainable memory bandwidth (in GB/s) and the corresponding computation rate at a vector kernel. Must run on Single node runs (on each compute node separately). The problem size to be considered as Array size: 96, 192, 384 Million element in each array.
- PTRANS** May download the code and readme <http://www.cs.virginia.edu/stream/FTP/Code/>  
This exercises the communications where pairs of processors communicate with each other simultaneously. It is a useful test of the total communications capacity of the network. Run on all CPUs of all compute nodes. The problem size to be considered as Square Matrix Size (# of Rows == # of Columns) >= 104448; Blocking (NB and MB == 192 and 384)
- IOZone** May download from here <http://www.netlib.org/parkbench/>  
IOzone is a filesystem benchmark tool. The benchmark generates and measures a variety of file operations. Must run for read, write, re-read, re-write, random read and random write for a file size double than total storage cache and I/O or controller node memory over proposed network.
- The benchmark report needs to be submitted for both PFS and NAS separately for (i) Single Client (ii) Multiple Clients (at least 8) and (iii) Multiple Mount Points (at least 8).
- May download from here <http://www.iozone.org/>

**MANDATE FORM FOR ELECTRONIC FUND TRANSFER/RTGS TRANSFER**

Date: / /

To  
The PROJECT DIRECTOR  
iHub Drishti Foundation  
Indian Institute of Technology Jodhpur  
NH 65 Nagaur Road Karwar 342030

Sub: Authorization for release of payment / dues from Indian Institute of Technology, Jodhpur through Electronic Fund Transfer/RTGS Transfer.

1. Name of the Party/Firm/Company/Institute:

2. Address of the Party:

City \_\_\_\_\_ Pin Code \_\_\_\_\_

E-Mail ID \_\_\_\_\_ MobNo: \_\_\_\_\_

Permanent Account Number \_\_\_\_\_

3. Particulars of Bank:

Bank Name:		Branch Name:	
Branch Place:		Branch City:	
PIN Code:		Branch Code:	
MICR No.:			

(9 Digit number appearing on the MICR Bank of the Cheque supplied by the Bank, Please attach a Xerox copy of a cheque of your bank for ensuring accuracy of the bank name , branch name and code number)

IFS Code:(11 digit alpha numeric code)																	
Account Type	Savings	Current											Cash Credit				
Account Number:																	

**DECLARATION**

I hereby declare that the particulars given above are correct and complete. If any transaction delayed and not effected for reasons of incomplete or incorrect information I shall not hold PROJECT

DIRECTOR, iHub Drishti Foundation responsible. I also undertake to advise any change in the particulars of my account to facilitate updating of records for purpose of credit of amount through NEFT/RTGS Transfer.

Place: \_\_\_\_\_

Date: \_\_\_\_\_

**Signature & Seal of the Authorized Signatory of the Party**

---

Certified that particulars furnished above are correct as per our records

Bankers Stamp:

Date: \_\_\_\_\_

**Signature of the Authorized Official from the Bank**

***N.B: Please fill in the information in CAPITAL LETTERS, computer typed; please TICK wherever it is applicable.***

**iHub Drishti Foundation  
Indian Institute of Technology Jodhpur**

**COMPLIANCE SHEET (to be submitted)**

**IMPORTANT NOTE**

THIS STATEMENT SHOULD BE DULY FILLED AND ENCLOSED WITH QUOTATION. NONRECEIPT OF THIS STATEMENT OR INCOMPLETE DETAILS PROVIDED WILL LEAD TO REJECTION OF TENDER

**Tender Enquiry No:**

<b>S. No.</b>	<b>Commercial Aspects</b>	<b>iHub Drishti Foundation Terms &amp; Conditions</b>	<b>Response of the Vendor</b>
1.	Terms of Delivery	FOR	
2.	Terms of Payment	The details of the Payment term is mentioned in point no. <b>14.4</b>	
3.	Mode of Payment	Demand Draft/ Bank Guarantee/ Fixed Deposit/ Online Transfer	
4.	Bank Details for making Payment	To be enclosed	
5.	Validity of Quote	90 days from the date of opening of the Tender	
6.	Name of Manufacturer	Name & complete address of the Manufacturer	
7.	Currency in which quoted	Multicurrency	
8.	Delivery Period	12 weeks from the effective date of the Contract	
9.	No. of Lots	01 lot	
10.	Installation/Supply	iHub Drishti Foundation, IIT Jodhpur, Karwad	
11.	Earnest Money Deposit (EMD)	Rs. 6,00,000/-	
12.	Warranty	5 Years	
13.	Liquidated damages <b>(mandatory requirement, if not accepted quotation will not be considered)</b>	(0.5% of per day maximum upto 5% of the contract value for the delayed period)	
14.	Order to be placed on	complete address with contact details of the Bidder	
15.	Customs Duty Percentage Applicable and requirement of Customs Duty Exemption Certificate (CDEC).	Percentage of Customs Duty Applicable to be specified even if CDEC is to be issued by DRL (under Customs notification No.51/96 wherever applicable). No third party CDEC will be Provided	
16.	Applicable GST as per Govt. rules	GST % should be mentioned separately	



17.	Performance cum Warranty Bond	(10 % of the order value) As per tender	
18.	Name & Address of the Firm:		
19.	All the pages of the tender documents to be numbered in numeric (eg. 1,2,3....)		
19.	Compliance (choose any one)	We hereby accept all the terms & conditions/instructions of the tender. Or We hereby accept all the terms & conditions/instructions of the tender except the one mentioned in separate sheet (mention the non-compliance conditions in separate sheet)	
20.	Signature & Name of the authorised signatory with stamp of the firm:		

**Signed & stamped compliance sheet of the technical specification of the goods with technical printed literature along with Bill of Material (BoM) mentioning all the terms & conditions clearly, must be enclosed with the technical bid (*Annexure-VII*).**

**BANK GUARANTEE FORM FOR SECURITY DEPOSIT**

The PROJECT DIRECTOR  
iHub Drishti Foundation  
Indian Institute of Technology Jodhpur  
NH 65 Nagaur Road Karwar 342030

WHEREAS..... (Name and address of the Bidder) (herein after called “the Bidder”) has undertaken, in pursuance of contract no..... dated ..... (herein after called “the contract”) to supply  
.....  
.....

AND WHEREAS it has been stipulated by you in the said contract that the Bidder shall furnish you with a bank guarantee by a scheduled/nationalized bank recognized by you for the sum specified therein as security for compliance with its obligations in accordance with and due performance of the contract;

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

NOW THEREFORE we hereby affirm that we are guarantors and responsible to you, on behalf of the Bidder, up to a total of ..... (amount of the guarantee in words and figures), and we hereby irrevocably and absolutely undertake to pay you immediately, upon your first written demand declaring the Bidder 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 Bidder 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 there under or of any of the contract documents which may be made between you and the Bidder shall in any way release us from any liability under this guarantee and we hereby waive notice of any such change, addition or modification.

The Bank guarantee shall be interpreted in accordance with the laws of India. The Guarantor

Bank represents that this Bank Guarantee has been established in such form and with such content that is fully enforceable in accordance with its terms as against the Guarantor Bank in the manner provided herein.

The Bank Guarantee shall not be affected in any manner by reason of merger, amalgamation, restructuring or any other change in the constitution of the Guarantor Bank or the Bidder. The Bank further undertakes not to revoke this Guarantee during its currency except with the previous express consent of the Buyer in writing.

The Bank declares that it has power to issue this Guarantee and discharge the obligations contemplated herein, the undersigned is duly authorized and has full power to execute this Guarantee for an on behalf of the Bank.

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

**INTEGRITY PACT**

To,

.....,  
.....,  
.....

**Sub:** Tender No.....**for the supply of** .....

Dear Sir,

It is hereby declared that iHub Drishti Foundation is committed to follow the principle of transparency, equity and competitiveness in public procurement.

The subject tender is an invitation to offer made on the condition that the Bidder will sign the integrity Agreement, which is an integral part of tender / bid documents, failing which the tenderer / bidder will stand disqualified from the tendering process and the bid of the bidder would be summarily rejected.

This declaration shall form part and parcel of the Integrity Agreement and signing of the same shall be deemed as acceptance and signing of the Integrity Agreement on behalf of the iHub Drishti Foundation.

Yours faithfully,

Authorized Officer, iHub Drishti Foundation

## INTEGRITY PACT

To

Authorized Officer iHub Drishti Foundation

**Sub:** Submission of Tender for the supply of \_\_\_\_\_

Dear Sir/Madam,

I / We acknowledge that iHub Drishti Foundation is committed to follow the principles thereof as enumerated in the Integrity Agreement enclosed with the tender/bid document.

I / We agree that the cited tender is an invitation to offer made on the condition that I / We will sign the enclosed Integrity Agreement, which is an integral part of tender documents, failing which I / We will stand disqualified from the tendering process. I / We acknowledge that **THE MAKING OF THE BID SHALL BE REGARDED AS AN UNCONDITIONAL AND ABSOLUTE ACCEPTANCE** of this condition of the tender.

I / We confirm acceptance and compliance with the Integrity Agreement in letter and spirit and further agree that execution of the said Integrity Agreement shall be separate and distinct from the main contract, which will come into existence when tender/bid is finally accepted by iHub Drishti Foundation. I / We acknowledge and accept the duration of the Integrity Agreement, which shall be in the line with Article-1 of the enclosed Integrity Agreement.

I / We acknowledge that in the event of my / our failure to sign and accept the Integrity Agreement, while submitting the tender / bid, iHub Drishti Foundation shall have the unqualified, absolute and unfettered right to disqualify the tenderer/bidder and reject the tender / bid in accordance with terms and conditions of the tender / bid.

Yours faithfully,

(Duly authorized signatory of the Tenderer / Bidder)

**To be signed by the bidder and same signatory competent / authorised to sign the relevant contract on behalf of iHub Drishti Foundation**

**INTEGRITY AGREEMENT**

This Integrity Agreement is made at ..... on this.....day of.....20...

BETWEEN

PROJECT DIRECTOR, iHub Drishti Foundation represented through Authorized Officer, iHub Drishti Foundation(Here in after referred as the ‘Principal / Owner’, which expression shall unless repugnant to the meaning or context hereof include its successors and permitted assigns)

AND

.....

(Name and Address of the Individual/firm/Company)

(Details of duly authorized signatory)

through.....(here-in-after referred to as the “Bidder/Contractor” and which expression shall unless repugnant to the meaning or context hereof include its successors and permitted assigns)

Preamble

WHEREAS the Principal /Owner has floated the Tender (No.....) (here-in-after referred to as “Tender/Bid”) and intends to award, under laid down organizational procedure, contract for

.....

(Name of work)

Here-in-after referred to as the “Contract”.

AND WHEREAS the Principal / Owner values full compliance with all relevant laws of the land, rules, regulations, economic use of resources and of fairness/transparency in its relation with its Bidder(s) and Contractor(s).

AND WHEREAS to meet the purpose aforesaid both the parties have agreed to enter into this Integrity Agreement(here in after referred to as “Integrity Pact” or “Pact”),the terms and conditions of which shall also be read as integral part and parcel of the Tender/Bid documents and Contract between the parties.

NOW, THEREFORE, in consideration of mutual covenants contained in this Pact, the parties hereby agree as follows, and this Pact witness asunder:

**Article 1: Commitment of the Principal / Owner**

- 1) The Principal/Owner commits itself to take all measures necessary to prevent corruption and to observe the following principles:
  - (a) No employee of the Principal/Owner, personally or through any of his/her family members, will in connection with the Tender, or the execution of the Contract, demand, take a promise for or accept, for self or third person, any material or immaterial benefit which the person is not legally entitled to.
  - (b) The Principal/Owner will, during the Tender process, treat all Bidder(s) with equity and reason. The Principal/Owner will, in particular, before and during the Tender process, provide to all Bidder(s) the same information and will not provide to any Bidder(s) confidential / additional information through which the Bidder(s) could obtain an advantage in relation to the Tender process or the Contract execution.
  - (c) The principal /Owner shall endeavour to exclude from the Tender process any person, whose conduct in the past has been of a biased nature.
- 2) If the Principal/Owner obtains information on the conduct of any of its employees which is a criminal offence under the Indian Penal code (IPC) / Prevention of Corruption Act, 1988 (PC Act) or is in violation of the principles herein mentioned or if there be a substantive suspicion in this regard, the Principal / Owner will inform the Chief Vigilance Officer and in addition can also initiate disciplinary actions as per its internal laid down policies and procedures.

**Article 2: Commitment of the Bidder (s) / Contractor (s)**

- 1) It is required that each Bidder / Contractor (including their respective officers, employees and Bidders) adhere to the highest ethical standards, and report to the Government / Department all suspected acts of fraud or corruption or Coercion or Collusion of which it has knowledge or becomes aware, during the tendering process and throughout the negotiation or award of a contract.
- 2) The Bidder(s) / Contractor(s) commit himself to take all measures necessary to prevent corruption. He commits himself to observe the following principles

during his participation in the Tender process and during the Contract execution:

- a) The Bidder(s) / Contractor(s) will not, directly or through any other person or firm, offer, promise or give to any of the Principal / Owner's employees involved in the Tender process or execution of the Contract or to any third person any material or other benefit which he/she is not legally entitled to, in order to obtain in exchange any advantage of any kind whatsoever during the Tender process or during the execution of the Contract.
  - b) The Bidder(s) / Contractor (s) will not enter with other Bidder (s) into any undisclosed agreement or understanding, whether formal or informal. This applies in particular to prices, specifications, certifications, subsidiary contracts, submission or non-submission of bids or any other actions to restrict competitiveness or to cartelize in the bidding process.
  - c) The Bidder(s)/Contractor(s) will not commit any of the fence under the relevant IPC/PC Act. Further the Bidder(s) / Contract(s) will not use improperly, (for the purpose of competition or personal gain), or pass on to others, any information or documents provided by the principal/Owner as part of the business relationship, regarding plans, technical proposals and business details, including information contained or transmitted electronically.
  - d) The Bidder(s)/ Contractor(s) of foreign origin shall disclose the names and addresses of Bidders/representatives in India, if any. Similarly, Bidder(s)/Contractor(s) of Indian Nationality shall disclose names and addresses of foreign Bidders/representatives, if any. Either the Indian Bidder on behalf of the foreign principal or the foreign principal directly could bid in a tender but not both. Further, in in cases where a Bidder participates in a tender on behalf of one manufacturer, he shall not be allowed to quote on behalf of another manufacturer along with the first manufacturer in a subsequent/parallel tender for the same item.
  - e) The Bidder(s)/ Contractor(s) will, when presenting his bid, disclose (with each tender as per proforma enclosed) any and all payments he has made, is committed to or intends to make to Bidders, brokers or any other intermediaries in connection with the award of the Contract.
- 3) The bidder(s)/Contractor(s) will not instigate third persons to commit offenses outlined above or be an accessory to such offenses.
  - 4) The Bidder(s) / Contractor(s) will not, directly or through any other person or firm indulge in fraudulent practice means a willful misrepresentation or omission of facts or submission of fake / forged documents in order to induce public official to act in reliance thereof, with the purpose of obtaining unjust advantage by or causing damage to justified interest of others



and/or to influence the procurement process to the detriment of the Government interests.

- 5) The Bidder(s)/Contractor(s) will not, directly or through any other person or firm use Coercive Practices (means the act of obtaining something, compelling an action or influencing a decision through intimidation, threat or the use of force directly or indirectly, where potential or actual injury may be fall upon a person, his/her reputation or property to influence their participation in the tender in the process).

### **Article 3: Consequences of Breach**

- 1) Without prejudice to any rights that may be available to the Principal/Owner under law or the Contract or its established policies and laid down procedures, the principal/Owner shall have the following rights in case of breach of this Integrity Pact by the Bidder(s)/Contractor(s) and the Bidder/Contractor accepts and undertakes to respect and uphold the Principal/Owner's absolute right:
- 2) If the bidder (s)/Contractor(s), either be for award or during execution of Contract has committed a transgression through a violation of Article 2 above or in any other form, such as to put his reliability or credibility in question, the Principal/Owner after giving 14 days' notice to the contractor shall have powers to disqualify the Bidder(s)/Contractor(s) from the Tender processor terminate/determine the Contract, if already executed or exclude the Bidder/Contractor from future contract award processes. The imposition and duration of the exclusion will be determined by the severity of transgression and determined by the Principal/Owner. Such exclusion may be forever or for a limited period as decided by the Principal/Owner.
- 3) Forfeiture of EMD / Performance Guarantee / Security Deposit: If the Principal/Owner has disqualified the Bidder(s) from the Tender process prior to the award of the Contract or terminated/determined the Contractor has accrued the right to terminate/determine the Contract according to Article 3(1), the Principal/Owner apart from exercising any legal rights that may have accrued to the Principal/Owner, may in its considered opinion forfeit the entire amount of Earnest Money Deposit, Performance Guarantee and Security Deposit of the Bidder/Contractor.
- 4) Criminal Liability: If the Principal/Owner obtains knowledge of conduct of a Bidder or Contractor, or of an employee or a representative or an associate of a Bidder or Contractor which constitutes corruption within the meaning of Indian Penal code (IPC)/Prevention of Corruption Act, or if the Principal / Owner has substantive suspicion in this regard, the Principal/Owner will inform the same to law enforcing agencies for further investigation.

#### **Article 4: Previous Transgression**

- 1) The Bidder declares that no previous transgressions occurred in the last 5 years with any other Company in any country confirming to the anti-corruption approach or with Central Government or State Government or any other Central/State Public Sector Enterprises in India that could justify his exclusion from the Tender process.
- 2) If the Bidder makes incorrect statement on this subject, he can be disqualified from the Tender process or action can be taken for banning of business dealings/ holiday listing of the Bidder/Contractor as deemed fit by the Principal/Owner.
- 3) If the Bidder/Contractor can prove that he has resorted / recouped the damage caused by him and has installed a suitable corruption prevention system, the Principal/Owner may, at its own discretion, revoke the exclusion prematurely.

#### **Article 5: Equal Treatment of all Bidders/Contractors/Subcontractors**

- 1) The Bidder(s) / Contractor(s) undertake(s) to demand from all subcontractors a commitment in conformity with this Integrity Pact. The Bidder / Contractor shall be responsible for any violation(s) of the principles laid down in this agreement/Pact by any of its Sub-contractors/sub-vendors.
- 2) The Principal / Owner will enter into Pacts on identical terms as this one with all Bidders and Contractors.
- 3) The Principal/Owner will disqualify Bidders, who do not submit, the duly signed Pact between the Principal/Owner and the bidder, along with the Tender or violate its provisions at any stage of the Tender process, from the Tender process.

#### **Article 6- Duration of the Pact**

This Pact begins when both the parties have legally signed it. It expires for the vendor/tenderer 12 months after the completion of warranty period under the contract or till the continuation of defect liability period, whichever is more and for all other bidders/tenderers, till the Contract has been awarded.

If any claim is made/lodged during the time, the same shall be binding and continue to be valid despite the lapse of this Pacts as specified above, unless it is discharged/determined by the Competent Authority, iHub Drishti Foundation.

#### **Article 7- Other Provisions**

- 1) This Pact is subject to Indian Law, place of performance and jurisdiction is the Headquarters of the Division of the Principal / Owner, who has floated the Tender.
- 2) Changes and supplements need to be made in writing. Side agreements have not been made.
- 3) If the Contract or is a partnership or a consortium, this Pact must be signed by all the

partners or by one or more partner holding power of attorney signed by all partners and consortium members. In case of a Company, the Pact must be signed by are presentative duly authorized by board resolution.

- 4) Should one or several provisions of this Pact turn out to be invalid; the remainder of this Pact remains valid. In this case, the parties will strive to come to an agreement to their original intensions.
- 5) It is agreed term and condition that any dispute or difference arising between the parties with regard to the terms of this Integrity Agreement / Pact, any action taken by the Owner/Principal in accordance with this Integrity Agreement/ Pact or interpretation there of shall not be subject to arbitration.

**Article 8- LEGAL AND PRIOR RIGHTS**

All rights and remedies of the parties hereto shall be in addition to all the other legal rights and remedies belonging to such parties under the Contract and /or law and the sames hall be deemed to be cumulative and not alternative to such legal rights and remedies aforesaid. For the sake of brevity, both the Parties agree that this Integrity Pact will have precedence over the Tender / Contact documents with regard any of the provisions covered under this Integrity Pact.

IN

WITNESS WHEREOF the parties have signed and executed this Integrity Pact at the place and date first above mentioned in the presence of following witnesses:

.....

(For and on behalf of Principal/Owner)

.....

(For and on behalf of Bidder/Contractor)

WITNESSES:

1 (Signature, name and address)

2 (Signature, name and address)

Place: -

Dated: -

**Bid Security Declaration**

I/we certify that If I/we withdraw or modify our bids during the period of validity, or if awarded the contract to us and I/we fail to sign the contract or to submit performance security before the deadline defined in the request for bids document, I/we will be suspended for the period of time specified by the Institute from being eligible to submit Bids for contracts with the entity that invited the Bids.

Yours Faithfully,

(Duly authorized signatory of the Tenderer/Bidder)