



Centre for Development of Advanced Computing

Premier R&D organization of the Ministry of Electronics and Information
Technology (MeitY)

Government of India

Plot No: 6&7, Hardware Park, Srisaïlam Highway

Hyderabad – 501510

www.cdac.in /

email: purchase-hyd@cdac.in

**C-DAC invites bids from System Integrators (S.I)/OEMs through
GeM**

for

**Implementation of Turnkey Solution for Deployment of Server Cluster with
Network Switches and Next-Gen Firewall**

Prospective Bidders may download the Tender Document from www.cdac.in / <https://gem.gov.in>. Bidders are advised to go through instructions and submit bids online on the GeM portal as per the schedule given in the Tender Document.

Tender Schedule

Name of the Institute	Centre for Development of Advanced Computing, Hyderabad - 501510.
Place of Supply, Installation & Commissioning, Support etc.	FCTS & IT Wing. Military College of Telecommunications Engineering, Mhow Cantt, Madhya Pradesh Pin -453441
Date of Release of Tender	14.10.2026
Last Date (with time) for sending queries – if any on email	21.10.2026 before 17.00 hrs
Date and Place of Pre-Bid Meeting	23.10.2026 @ 11.00 hrs in Virtual mode * Meeting link will be posted as amendment
Last date of submission of bids	04.11.2026 before 12:00 hrs * <u>Due Date for submission of Bids will not be extended under any circumstances</u>
Date of opening of Bids	05.11.2026 at 12.00 hrs
Place of opening of technical bids	C-DAC, Hyderabad - 501510.
Name of the Contact Person for any clarification	Sr. Admin Officer (Purchase) Centre for Development of Advanced Computing Plot No: 6&7, Hardware Park, Sy. No.1/1, Srisailem Highway, Hyderabad – 501510 Email: purchase-hyd@cdac.in
C-DAC Bank Details	A/C Name: Centre for Development of Advanced Computing, Hyderabad Name of Bank: Bank of India Branch: Shamshabad, Hyderabad A/C No:566310110004393 IFSC: BKID0005663
Websites for downloading Tender Document, Corrigendum, Addendum etc.	https://gem.gov.in & www.cdac.in

1. Instructions for On-line Bid Submission

The bidders are required to submit soft copies of their bids through the portal (<https://gem.gov.in/>).

2. Assistance to Bidders:

Any query relating to the process of online bid submission or queries relating to GeM Portal in general may be directed to the

- Helpdesk on: - 1800-419-3436 / 1800-102-3436,
- e-mail for Technical - [helpdesk-gem\[at\]gov\[dot\]in](mailto:helpdesk-gem[at]gov[dot]in).

In case of any doubts and/ or queries pertaining to technical solution, specifications terms and conditions of the tender, prospective bidder may send their queries in writing through e-mail (purchase-hyd@cdac.in). The queries, requests for clarifications etc. must be sent within 7 days from the date of publication of the Tender. The bidders are requested to go through the entire tender document thoroughly, before raising any query. C-DAC, Hyderabad shall address the queries raised by the bidders. The replies to queries would be made available on GeM Portal and C-DAC's web site in due course of time. All the queries, doubts, clarifications etc. must be submitted in xls format only as below.

Name of the bidder:				
Sl.No	Section / Page No	Clause Reference	Query from bidder	C-DAC Response

SECTION I: INSTRUCTIONS TO BIDDERS (ITB)

- **Introduction:**

Centre for Development of Advanced Computing (C-DAC) - is a scientific society under the administrative control of Ministry of Electronics & Information Technology, Government of India. (C-DAC), Hyderabad intends to extend its existing Data Centre capacity by incorporating a highly available, Turnkey Solution through deploying a OpenStack compute and controller cluster and backup node with all required interconnectivity through 25 GbE Switch. A Next-Gen Firewall has to be deployed along with the solution and configure all the required security policies.

C-DAC, Hyderabad invites bids from eligible System Integrators (S.I)/OEMs for **Implementation of Turnkey Solution for Deployment of Server Cluster with Network Switches and Next-Gen Firewall**, as per Schedule of Requirements (**Section- IV**) and other terms and conditions stipulated in this document.

- **Contact information:**

Sr. Admin Officer (Purchase)
Centre for Development of Advanced Computing,
Plot No: 6&7, Hardware Park, Sy. No.1/1, Srisailem Highway
Hyderabad – 501510
Email: purchase-hyd@cdac.in

• **Two bid System:**

Two bids – Bidders shall submit bids Online through <https://gem.gov.in>. In this system, bidder must submit their offer - online as follows:

1: Technical Bid Shall contain – Pre-Qualification & Technical Scoring Criteria including Technical Presentation as specified in the bid, Technical Specifications and Supporting Documents/Annexures.

2: Financial Bid – Price quoted for the Solution shall be filled in the provision made by Portal, Price Break-up document should be uploaded in the provided format (Annexure – III).

1. Technical Bid:

A. Pre-Qualification Criteria:

All the qualification criteria & credentials are to be fulfilled by the bidder only and consortium (arrangement) bid participation is NOT allowed in this tender.

The bidders should be either the Original Equipment Manufacturer of the items covered by the Schedule of Requirements given in this document OR an authorized Data Centre IT infrastructure System Integrator in India for all the Original Equipment Manufacturer(s) providing service for the items covered by Schedule of Requirements.

S. No.	Mandatory Criteria	Documentary proof to be submitted in the technical bid section.	Enclosed Yes/No
1	Bidder Must be a registered entity in India. Bidders having office / branch in Hyderabad Region are only allowed to participate in this bid.	Copy of the Certificate of Incorporation issued by Registrar of Companies. In case of Partnership firm, duly signed and notarized copy of the partnership deed or a Certificate of Registration issued by the Registrar of Firms; or in case of a sole proprietorship, a GST registration certificate and/or PAN number.	
2	Bidder Should have been in existence for atleast Three (3) years in the market as on the date of issuance of this Tender.	CA Certificate indicating average annual turnover details along with Audited Balance Sheet and Profit and Loss Account of last three years.	
3	Bidder Should have average annual turnover of at least Rs. 500 Lakhs in the last three (3) preceding financial years (FY 22-23, 23-24 & 24-25)		

4	Bidder should have executed similar turnkey projects (Data Centre IT Infrastructure installations, maintenance and support of Solutions with Central/State Governments Ministries/Departments/PSUs/Autonomous Bodies during the last 3 Financial Years as follows; i) Single similar turnkey project work order/contract valuing Rs.8 Cr. (or) ii) Two similar turnkey project work orders/contracts valuing Rs.5 Cr. (or) iii) Three similar turnkey project work orders/contracts valuing Rs.4 Cr. Note: the project should be completed in all respects and ongoing projects shall not be considered.	Certificate/ Copy of the work Order & completion certificate from the concerned Ministries/Departments/PSUs/Autonomous bodies to that effect needs to be submitted.	
5	EMD (Earnest Money Deposit) or Bid Securing Declaration in lieu of EMD (to be submitted by bidder eligible for EMD exemption). Note: MSE & Start-Ups also need to provide this Declaration letter invariably.	An EMD (Earnest Money Deposit) of Rs. 30.00 Lakhs in the form of a FDR in Favour of CDAC, Hyderabad/Bank Guarantee from a Scheduled Commercial Bank valid for 180 days from date of opening of bid or deposit of amount in online mode into CDAC's Bank account. Transaction details of the transfer/Copy of BG Guarantee should be uploaded along with the Technical Bid. Bidder should ensure that Original BG should reach CDAC, Hyderabad on or before the due date/time.	
6	Minimum 2 OEM Certified resources on the direct job role of the bidder in each of the following areas; (a) Cloud solution (b) SDN Solution	Supporting documentary proof.	

7	The bidder should be certified with ISO 9001 (QMS) and ISO 27001 (ISMS) and submit the valid certificates as on date of submission of the bid.	Copy of certificate	
8	Compliance statement indicating the compliance of the items, Equipment, solution offered with the tender specifications and Scope of Work.	As per Annexure-B	
9	The undertakings from the Principal Manufacturers (OEMs) of equipment / items offered.	As per Annexure – C.	
10	The bidders need to fill the detailed technical solution to be offered	As per Annexure –D	
11	Following General Annexures to be uploaded in the technical bid section duly signed & stamped; i. Tender acceptance Letter ii. No Deviation Certificate format iii. Undertaking for non-black listing iv. Authorization Letter v. Litigation Impact Undertaking vi. Integrity Pact vii. Land Border Sharing OM-declaration viii. Make in India Local Content Declaration Letter duly certified by the statutory auditor or cost auditor. ix. Details of bidder's organization	As per Annexure –E to Annexure-M	

Note:-I) In case of bidders not qualifying in the pre-qualification stage, their bid will not be considered for Technical Evaluation process and will be declared as “Disqualified”.

B. Technical Scoring Criteria:

- i. In this stage, the Technical Proposal will be evaluated on the basis of the bidder's experience, its understanding of the Scope of Work, proposed supply & installation plan and technical presentation of the solution to be offered.
- ii. Each technical proposal will be assigned a technical score (TS). The

- maximum technical score which a bidder can attain is 100 marks.
- iii. A minimum of 70 marks should be scored in the technical proposal for the bid to be declared as **“Technically Qualified”**. The Financial Bids of only those bidders who have obtained a Technical Score of 70 or more shall be opened.
 - iv. The technical evaluation shall be in terms of the following parameters and marking scheme:

S.N.	Parameters	Marks #
1.	Technical Experience in executing Server Cluster with Network Switches and Next-Gen Firewall (Both All Flash and Multi-Tier Storage systems), Backup Solution	20
2.	Latest Generation Processor, RAM Speed, PCIe, NVMe type. Marks shall be reduced based on Gen, Speed, versions, etc.	20
3.	Server & Storage Security features (Additional & Preferred parameters shall be evaluated)	15
4.	Performance parameters of components like Server, Storage, Switches like Throughput, SpecINT listing, etc. and the in-built features to monitor the performance parameters	15
5.	Presentation of overall Technical Solution, Delivery & Project Timelines	15
6.	Support Availability of both OEM & System Integrator – Methods like Automatic Detection, Restoration timelines and arrangement, etc	10
7.	Overall Project Management	5
	Total	100

Preference shall be given to bidders quoting C-DAC RUDRA III servers by awarding additional 20 Marks for technical qualification, in order to promote the C-DAC developed solutions for its In-House Projects.

The minimum criteria for technical qualification of bidders shall be obtaining 70 Marks out of total 100 Marks.

Note: All the bidders who meets the minimum qualifying criteria i.e 70 Marks as prescribed above, during technical evaluation will be considered for opening of the financial bids. Bidders whose proposals doesn't meet the technical evaluation criteria or were found non- responsive to tender will be notified as rejected.

C. Other documents necessary in support of eligibility criteria, product catalogues, brochures etc.

2. Financial Bid shall contain:

- i. In this stage, the financial evaluation of the proposal will be carried out of the bidders who qualify in the technical evaluation after determining whether the Financial Proposals are complete, qualified and unconditional.
- ii. While quoting the contract value in the financial bid stage in GeM portal, the bidders

need to quote only the Total Lump-sum contract value with GST for the subject scope of work of “**Implementation of Turnkey Solution for Server Cluster with Network Switches and Next-Gen Firewall**” and also Bidders need to upload the detailed item wise price break-up in pdf format in this section.

3. Last Date of submission/ uploading:

The on-line bids, complete in all respect should be uploaded through <https://gem.gov.in> on or before the date given in tender schedule. The bidders are advised to upload the documents at least one day before the last date for uploading of documents, in order to avoid the possibilities of any last minute surprises. C-DAC does not take any responsibility towards technical snags pertaining to connectivity issues.

4. Opening of Technical bids:

The online bids will be opened in the GeM portal on Due date of the bid or the next working day, if due date of bid happens to be holiday.

Note: Please do not provide any "Financial details" in the technical bid.

5. Evaluation of Proposals:

The Proposals shall be evaluated by a Tender Evaluation Committee (TEC). The Purchaser may appoint any external agency/consultants to assist it in evaluation of the Proposals.

In each stage of evaluation, the respective Proposals shall be first checked for responsiveness with the requirements of the bid Document. The Purchaser reserves the right to reject the Proposal of a Bidder if the contents of the Proposal are not substantially responsive with the requirements of this Bid Document.

In Stage-I of Proposal Evaluation, the Proposals submitted by the Bidders shall be checked for meeting the Pre-qualification eligibility criteria specified in the Bid document and Technical Scoring criteria set out in Bid document.

In Stage-II, the Price Bids of the Bidders who have qualified in the Stage I evaluation would be opened.

(END OF SECTION I)

SECTION II: GENERAL CONDITIONS OF CONTRACT (GCC)

1. Location for the Supply, Installation & Warranty Services:

The Supply, Installation, commissioning and warranty of items mentioned Schedule of Requirements will be at:

**FCTS & IT Wing.
Military College of Telecommunications Engineering, Mhow Cantt,
Madhya Pradesh
Pin -453441**

2. Delivery Period:

The entire supplies of items covered in this bid must be Supplied, Installed and Commissioned along with the final acceptance testing within **8 weeks** from the date of placement of order. The detailed delivery and payment schedule is provided in Annexure - II. Bidders are required to comply with schedule of delivery, installation and commissioning in accordance to the proposed schedule.

3. Order Placements:

The Supply Order shall be released by:

Centre for Development of Advanced Computing (C-DAC) Plot
No: 6&7, Hardware Park, Sy. No.1/1,
Srisailem Highway, Hyderabad – 501510

The payments shall be released by:

Centre for Development of Advanced Computing (C-DAC) Plot
No: 6&7, Hardware Park, Srisailem Highway,
Hyderabad – 501510

4. Eligibility Criteria:

The bidder must comply with the minimum eligibility criteria stipulated below.

- 4.1. The bidder must submit all the documents as prescribed under pre-qualification criteria section without fail.
- 4.2. ***The bidders should be either the Original Equipment Manufacturer of the items covered by the Schedule of Requirements given in this document OR an authorized Data Centre IT infrastructure system integrator in India by the Original Equipment Manufacturer(s) for sale and providing service for the items covered by Schedule of Requirements***
- 4.3. The bidder should be certified with ISO 9001 (QMS) and ISO 27001 (ISMS) and submit the valid certificates as on date of submission of the bid.
- 4.4. The bidder must not be blacklisted by any Govt. Organizations as on date of submission of the bids. A certificate or undertaking to this effect must be

submitted (**Annexure – G**).

- 4.5. If the bidder is an authorised system integrator, the specific authorisation letter/s from Principal/s, as per **Annexure - C** must be submitted along with the technical bid. In this case, the authorization letter (Annexure – C) issued by the Indian subsidiary of Principal Manufacturer is acceptable.
- 4.6. As per Rule 144 (xi) of GFR 2017, any bidder from such countries sharing a land border with India will be eligible to bid in any procurement whether of goods, services (including consultancy services and non-consultancy services) or works (including turnkey projects) **only if the bidder is registered with the Competent Authority**. The Competent Authority for registration will be the Registration Committee constituted by the Department for Promotion of Industry and Internal Trade (DPIIT), Government of India. Political and security clearance from the Ministries of External and Home Affairs respectively will be mandatory. A certificate or undertaking to this effect must be submitted as per (**Annexure – K**).
- 4.7. In line with OM No. P-45021/2/2017-PP (BE-II) dated 16.09.2020 issued by Ministry of Commerce and Industry Government of India regarding Public Procurement (Preference to Make in India), Order 2017, in cases of procurement for a value in excess of Rs. 10 crores, the 'Class-I local supplier'/ 'Class-II local supplier' shall be required to provide a certificate from the statutory auditor or cost auditor of the company (in the case of companies) or from a practicing cost accountant or practicing chartered accountant (in respect of suppliers other than companies) giving the percentage of local content. The local content calculation need to done as per the guidelines/clarification given in the OM no. P-45014/19/2021-BE-II (E-54692) dated 02.11.2022 issued by Ministry of Commerce and Industry, Government of India. **The local content to be declared by the respective auditor for the overall solution should be as per Annexure-L**
- 4.8. If the bid is submitted by the Indian subsidiary of Principal Manufacturer (OEM), the letter from Principal Manufacturer (OEM) must be submitted certifying that the bidder is the subsidiary company of the Principal Manufacturer (OEM) in India.
- 4.9. **In case, if the OEM is directly participating in the subject tender, they should not authorize any of their resellers/channel partners/S.I to quote their product & services for this same tender. All such bids of OEM as well as S.I shall be rejected summarily.**
- 4.10. The bidder must quote for all the items given in **Section V** of this document as a lump-sum contract value including GST in the GeM Portal.
- 4.11. The bidder must submit all the documents as per Document Checklist – **Annexure -O**.

5. Amendment to Bidding Documents

- 5.1. At any time prior to the deadline for submission of bids, C-DAC may, for any reason, whether on its own initiative or in response to the clarification request by a

prospective bidder, modify the bid document.

5.2. The amendments to the tender documents, if any, will be notified by release of Corrigendum Notice on <https://gem.gov.in/> [www.cdac.in/ tender](http://www.cdac.in/tender) against this tender. The amendments/ modifications will be binding on the bidders.

6.3.C-DAC at its discretion may extend the deadline for the submission of bids if it thinks necessary to do so or if the bid document undergoes changes during the bidding period, in order to give prospective bidders time to take into consideration the amendments while preparing their bids.

6. *Preparation of Bids*

Bidder should avoid, as far as possible, corrections, overwriting, erasures or postscripts in the bid documents. In case however, any corrections, overwriting, erasures or postscripts have to be made in the bids, they should be supported by dated signatures of the same authorized person signing the bid documents. However, bidder shall not be entitled to amend/ add/ delete/ correct the clauses mentioned in the entire tender document.

7. *Earnest Money Deposit:*

7.1. The Earnest Money Deposit (EMD) of Rs 30.00 Lakhs must be submitted prior to the DUE DATE & TIME of submission of the online technical bid. The EMD is required to be in the form of Bank Guarantee in favour of C- DAC or FD in Favour of CDAC, Hyderabad or NEFT to CDAC, Hyderabad.

7.2. The EMD will be returned to the bidder(s) whose offer is not accepted, within 30 days from the date of opening of commercial bid(s). In case of the bidder whose offer is accepted, the EMD will be returned on submission of PBG. However, if the return of EMD is delayed for any reason, no interest/ penalty shall be payable to the bidder.

7.3. The EMD may be forfeited:

- If the bidder withdraws the bid during the period of bid validity specified in the tender.

8. *Period of validity of bids*

8.1. Bids shall be valid for minimum 90 days from the date of submission. A bid valid for a shorter period shall stand rejected.

8.2. C-DAC may ask for the bidder's consent to extend the period of validity. Such request and the response shall be made in writing only. The bidder is free not to accept such request without forfeiting the EMD/BG. A bidder agreeing to the request for extension will not be permitted to modify his bid.

9. Submission of Bids- Online :

All the required documents shall be uploaded as per the provision made in the GeM Portal. They should not contain any terms and conditions, printed or otherwise, which are not applicable to the Bid. **The conditional bid will be summarily rejected.** Insertions, postscripts, additions and alterations shall not be recognized, unless confirmed by bidder's signature.

10. Bid Opening & Evaluation of Bids

The technical bids will be evaluated in two steps.

- 10.1. The bids will be examined based on pre-qualification eligibility criteria stipulated at Para 4 of Section – II to shortlist the eligible bidders for Technical scoring criteria.
- 10.2. The technical bids of only the short-listed eligible bidders in the pre-qualification round shall be called for the technical presentation of their solutions on scheduled date and time. The bidder shall be evaluated based on the technical solution as per the scope of work, specifications of the items stipulated at Section – IV and the presentation of bidders. Marks shall be awarded for the solution document and the presentation of the bidders as per the technical evaluation criteria mentioned in Section - IV. The bidders shall be technically disqualified, if the marks obtained is less than 70 marks out of 100 or any of the product do not meet the technical specifications / requirements mentioned in the tender.
- 10.3. The bidders whose technical bid is found to meet both the requirements as specified above will qualify for opening of the Financial Bid.
- 10.4. The duly constituted Tender Evaluation Committee (TEC) shall evaluate the bids. The TEC shall be empowered to take appropriate decisions on deviations, if any.

11. Comparison of Bids

- 11.1. Only the short-listed bids from the technical evaluation shall be considered for commercial comparison.
- 11.2. The prices quoted by the bidders (Financial Bid) for the subject turn-key project covering **all** the items as listed in Section – V will only be considered for evaluation on composite/lump-sum contract basis.

12. Award of Contract

- 12.1. The contract will be awarded to the GEM LOWEST RANKED BIDDER

13. Contract Signing

- 13.1. C-DAC shall place the order on the successful bidder through GeM portal.

14. Purchaser's Right to amend / cancel

- 14.1. C-DAC reserves the right to amend the eligibility criteria,

-
- commercial terms & conditions, Scope of Supply, quantities, technical specifications etc.
- 14.2. C-DAC reserves the right to cancel the tender entirely or partially without assigning any reasons thereof.
- 14.3. C-DAC reserves the right to reject the bid submitted by the lowest evaluated bidder without assigning any reasons.

15. Corrupt or Fraudulent Practices

- 15.1. It is expected that the bidders who wish to bid for this project have highest standards of ethics.
- 15.2. C-DAC will reject bid if it determines that the bidder recommended for award has engaged in corrupt or fraudulent practices while competing for this contract;
- 15.3. C-DAC 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 award / execution of contract.

16. 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, the interpretation of the clauses by Director General, C-DAC shall be final and binding on all parties.

(END OF SECTION II)

SECTION III: SPECIAL CONDITIONS OF CONTRACT (SCC)

1. Prices

- 1.1. The price quoted shall be considered firm and no price escalation will be permitted (except Govt. Statutory Levies).
- 1.2. The bidder shall quote in INR.
- 1.3. Bidder must provide Break-Up of Total Price quoted along with GST separately for each item in Price Break-up document.
- 1.4. Total Price quoted is inclusive of Supply, Installation, Testing & Commissioning and 5 Years Warranty from the date of handing over of the solution to C-DAC.
- 1.5. In case due to any error/ oversight, the GST rate quoted by the bidder is different than the actual GST rate as per the tariff, the bidder will not be permitted to rectify the error/oversight. The orders/ contract will be placed with the GST rate quoted by the bidder or actual tariff rate (as on placement of order), whichever is LOWER. The difference amount payable, if any, between the quoted GST rate and actual tariff rate shall be borne by the bidder.
- 1.6. The prices quoted must be “All inclusive- till destination”, (including international and local freight, insurance, customs clearance charges- if any, forwarding, loading/un-loading and all incidental charges till destination) and covering entire scope of work including Supply, Installation, Testing & Commissioning.
- 1.7. **C-DAC reserves the right to increase the ordered quantity by upto 25% during the currency of the contract in the same approved BOQ price by giving reasonable notice even though the contractor supplied the initially ordered quantity in full.**

2. Software Licenses: (if applicable)

The software licenses, if any, shall be required in the name of C-DAC, Hyderabad as the case may be. The licenses shall contain paper/electronic licenses (wherever applicable).

3. Performance Security:

The Performance Security in the form of a Bank Guarantee in INR equivalent to 5% amount of the total order value, as per the format attached to this document (Annexure – P). This bank guarantee should be submitted along with the invoice after successful installation within 15 days. The Bank Guarantee shall remain valid for 2 Months beyond the warranty period of 5 Years (the period of 62 months) from the date of acceptance. The PBG must be negotiable at a branch of issuing bank in India. In case of no warranty/services claims towards the items under warranty and services during the validity period of bank guarantee, the PBG will be returned on completion of warranty period.

C-DAC reserves the right to invoke the Performance Bank Guarantee(s) submitted by bidder, in case of the following:

- a. The Components/solutions of Turnkey Solutions for Turnkey Solution for **Deployment of Server Cluster with Network Switches and Next-Gen**

Firewall fail to achieve the performance as stipulated in this document or

- b. The bidder fails to provide the warranty and other services in scheduled time frame, as stipulated in this document or
- c. The bidder delays to provide the warranty services as stipulated in this document.

4. *Completeness Responsibility:*

Notwithstanding the scope of work, engineering, supply and services stated in bid document, any equipment or material, engineering or technical services which might not be even specifically mentioned under the scope of supply of the bidder and which are not expressly excluded there from but which – in view of the bidder - are necessary for the performance of the equipment in accordance with the specifications are treated to be included in the bid and has to be performed by bidder.

5. *Warranty:*

The Supplier warrants that all the Goods are new, unused, and that they incorporate all recent improvements in design and materials, unless provided otherwise in the order. The supplier further warrants that all Goods supplied shall have no defect arising from design, materials or workmanship (except when the design and/or material is required by the Purchaser's specifications) or from any act or omission of the supplier. **The warranty should be comprehensive on site, including all labour, service and parts with repair/replacement basis free of cost.**

The supplier also warrants that the said goods would continue to conform to the description and quality aforesaid for a period of min. 5 years from the date of acceptance by the end user and that notwithstanding the facts that the Purchaser/ end user (Inspector) may have inspected and/or approved the said Goods. If during the aforesaid period of 5 years the Goods be discovered not to conform to the description and quality aforesaid or have deteriorated Purchaser will be entitled to reject the Goods or such portion thereof as may be discovered not to conform to the said description and quality. On such rejection, the Goods will be at the supplier's risk and all the provisions herein contained relating to rejection of Goods, shall apply. The supplier if called upon to do so, shall replace within one month or such further period as may be extended by the Purchaser on his discretion on an application made thereof by the supplier the goods or such portion thereof as is rejected by Purchaser and in such an event the above mentioned warranty period shall apply to the Goods replaced from the date of acceptance of the replacement otherwise , the supplier shall pay to the Purchaser such damages as may arise by reason of breach of the conditions therein contained.

All the Goods supplied must have 5 (Five) years onsite comprehensive warranty with 24x7 support along with 4 hours response time and 48 hours resolution time, covering all parts & labor starting from the date after the successful installation, demonstration of performances and acceptance by C-DAC. During the warranty period, supplier will have to undertake comprehensive maintenance of the entire hardware components, equipment, support and accessories supplied at the place of installation of the equipment.

The defects, if any, during the guarantee/warranty period are to be rectified free of

charge by arranging free replacement wherever necessary. Goods requiring warranty replacements must be replaced on free of cost basis.

Onsite comprehensive warranty and support for complete supplies including Hardware, Software for 5(Five) years from the date of acceptance of the solution.

The warranty support will be backed by supplier by submitting a Performance Bank Guarantee, as per para 3 of Section – III.

6. *Acceptance Criteria*

The acceptance criteria for the solution is to demonstrate Complete functionality as per the Schedule of Requirement provided in Section - IV . The approved acceptance test reports must be submitted along with the invoices for claiming payments, wherever applicable.

7. *Payments:*

SL.No	Payment Terms
1	70% of the value of the delivered material will be released within 10 days from date of delivery, and acceptance by CDAC. All the necessary/required documents related to the material and Invoices are to be submitted with the material. Software License shall be generated in the name of CDAC, Hyderabad; as per the details provided in Schedule of Requirements
2	30% of the overall contract value will be released after the following activities; I. The overall solution is accepted, after successful installation & integration as per approved Architecture. II. Proper hand over of working solution. The 5 years warranty period will commence from the date of handover. III. Submission of 5% PBG towards 5 years warranty period.

7.1 Though the subject turn-key project is on Lump-sum contract value basis, the payment will be settled on actual measurement/receipt of goods/delivery & installation basis only based on the price break-up details already declared by the successful bidder before placement of order.

8. *Penalty for delayed Delivery /Services*

- 8.1. In case, the supplier fails to complete any part of scope of the work (i.e. delivery, inspection, installation, commissioning, acceptance and training) or part thereof within the period as stipulated in the order, C-DAC reserves the right to recover from the supplier, as agreed liquidated damages and not by way of penalty, a

sum of 0.5% of the price of total order value for each week or parts thereof, of the delay, subject to a maximum of 5% of basic contract value without taxes.

8.2. The period of delay in delivery and/or installation not attributed to the supplier, delay in site preparation, delay in submission of required documents by C-DAC etc. and the conditions arising out of Force Majeure will be excluded from delay period while calculating the delay period for penalties.

8.3. C-DAC reserves the right to cancel the order in case of delays of more than 10 weeks without any justifiable reasons.

9. Force Majeure:

C-DAC may consider relaxing the liquidated damages and delivery requirements, as specified in this document, if and to the extent that, the delay in performance or other failure to perform its obligations under the contract is the result of a Force Majeure. Force Majeure is defined as an event of effect that cannot reasonably be anticipated such as acts of God (like earthquakes, floods, storms etc.), acts of states / state agencies, the direct and indirect consequences of wars (declared or undeclared), hostilities, national emergencies, civil commotion and strikes at successful Bidder's premises or any other act beyond control of the bidder.

10. Risk:

All risks, responsibilities and liabilities thereof in all goods shall remain with selected bidder till successful installation and commissioning of the goods as specified in this document.

11. Limitation of Liability:

The liability of the bidder arising out of breach of any terms, conditions of the tender, contract, works order and addendums/amendments thereto, misconduct, and wilful default will be limited to the total order value. However, liability of the bidder in case of death, injury, damage caused to the personnel/property due to/arising out of/incidental to any act/omission/default/deficiency of bidder, will be at actuals.

In no event shall either Party, its officers, directors, or employees be liable for any form of incidental, consequential, indirect, and special or punitive damages of any kind.

12. Validity of Contract:

Validity of order/ Contract will remain till fulfilment of all obligations including but not limited to providing comprehensive warranty/support till Completion of Five years from acceptance of the solution by C-DAC.

13. Termination:

If the successful bidder fails to discharge the contractual obligations/comply with the requirements during the currency of the contract, C-DAC shall have the right to terminate the contract and / or cancel the order/s. The successful bidder agrees and accepts that he shall be liable to pay damages claimed by C-DAC, in the event of termination of contract / cancellation of order, as detailed in this tender.

C-DAC will release the due amount payable to successful bidder towards the material

and / or services provided till the date of termination, those are accepted by C- DAC. However, the amount towards penalty, if any, will be deducted from the payable amounts and such defaulted vendor shall be blacklisted for a period up to 2 years.

14. Indemnity:

On acceptance of order, the successful bidder shall automatically indemnify, protect and save C-DAC and end user from/against all third-party claims, losses, costs, damages, expenses, action suits and other proceeding, resulting from/arising out of: infringement of any law pertaining to intellectual property, patent, trademarks, copyrights etc. by the bidder

or

such other statutory infringements in respect of any of the equipment supplied by successful bidder,

or

any willful misconduct or gross negligence act/omission/ performance/ under or non or part performance/failure of the bidder.

15. Assignment:

Selected bidder/ Party shall not assign, delegate or otherwise deal with any of its rights or obligation under this Contract without prior written permission of C-DAC.

16. Severability:

If any provision of this Contract is determined to be invalid or unenforceable, it will be deemed to be modified to the minimum extent necessary to be valid and enforceable. If it cannot be so modified, it will be deleted and the deletion will not affect the validity or enforceability of any other provision.

17. Jurisdiction:

The disputes, legal matters, court matters, if any shall be subject to Hyderabad jurisdiction only.

18. Integrity Pact:

The pact essentially envisages an agreement between the prospective vendors/bidders and the buyer, committing the persons/officials of both sides, not to resort to any corrupt practices in any aspect/stage of the contract. Only those vendors/bidders, who commit themselves to such a Pact with the buyer, would be considered competent to participate in the bidding process. In other words, entering into this Pact would be a preliminary qualification. The essential ingredients of the Pact include:

- Promise on the part of the principal not to seek or accept any benefit, which is not legally available;
- Principal to treat all bidders with equity and reason;
- Promise on the part of bidders not to offer any benefit to the employees of the Principal not available legally;

- Bidders not to enter into any undisclosed agreement or understanding with other bidders with respect to prices, specifications, certifications, subsidiary contracts, etc.
- Bidders not to pass any information provided by Principal as part of business relationship to others and not to commit any offence under PC/IPC Act,
- Foreign bidders to disclose the name and address of agents and representatives in India and Indian Bidders to disclose their foreign principals or associates;
- Bidders to disclose the payments to be made by them to agents/ brokers or any other intermediary,
- Bidders to disclose any transgressions with any other company that may impinge on the anti-corruption principle.
- Integrity Pact, in respect of a particular contract, would be operative from the stage of invitation of bids till the final completion of the contract. Any violation of the same would entail disqualification of the bidders and exclusion from future business dealings.

As per Government of India (Central Vigilance Commission) guidelines, CDAC and the SUPPLIER have to sign an Integrity Pact for the high value contracts, for ensuring transparency, equity and competitiveness in public procurement. The Bidder has to sign Pre-Contract Integrity Pact as per format enclosed and to submit along with Bid (Mandatory condition).

The bidder is required to enter into an Integrity Pact with CDAC. For this, the bidder shall submit the original signed, and notarized Integrity Pact as part of Bid, failing which, the Proposal submitted by the concerned bidder will be liable to be forthwith and summarily rejected. The format for the Integrity Pact is provided in (ANNEXURE J)

19. Fall Clause

- i. The bidder shall ensure that the prices charged for the Services etc. to be provided by the bidder shall in no way exceed the lowest price at which the bidder provides services of identical description to any other person/organization during the currency of the contract. If at any time during the currency of the contract, the bidder reduces the price of such services to any other person/organization at a price lower than the prices chargeable under the contract, they shall forthwith notify such reduction or sale to the buyer and price agreed to under the contract for the services provided after the date of coming into force of such reduction/sale shall stand correspondingly reduced.
- ii. To comply with the above condition, the bidder shall furnish the following certificate along with each bill for payment to the paying authority:
- iii. The price charged for the services provided under the contract by the bidder shall in no event exceed the lowest price at which the bidder provides the services of identical description to any other person/organization for at least one year from the date of order/contract.

-
- iv. If at any time, during the said period, the bidder reduces the price of such services to any other person/organization at a price lower than the price chargeable under the order/contract, they shall forthwith notify such reduction or services to the buyer and the price payable under the order/ contract for the items supplied after the date of coming into force of such reduction or sale shall stand correspondingly reduced".

(END OF SECTION III)

SECTION IV: SCHEDULE OF REQUIREMENTS-BILL OF QUANTITY

OpenStack Technical Feature Requirements:

S.N.	Technical Requirement	Technical Specifications & Requirements
1	Architecture	Must run VMs and Containers simultaneously on the same Compute Nodes Must support Hardware Agnostic deployment on standard x86 server nodes
2	Hypervisor	KVM based Hypervisor
3	Storage	Must support fully automated multi-tier storage Must Include native Kubernetes CSI drivers for dynamic provisioning of Block, File & Object storage Must utilize distributed Erasure Coding or fast-rebuild parity (like ADAPT) to protect high-capacity drive pools
4	Management	Must provide a unified Self-Service Catalog or Infrastructure-as-Code (IaC) API for developers to spin up resources.
5	Storage & virtualization cluster compute overheads	All the management and storage cluster processing overheads must be clearly mentioned with standard calculations and requirements corresponding CPU and Memory must be provisioned in addition to the cluster resource requirement mentioned in the table (which are final usable resource).
6	Support & Warranty	The support subscription cost shall be inbuilt in the server node for 5 years. Direct Updates & Upgrades must be provided. Download Firmware, drivers, updates and upgrades directly from OEM online Portal. 24x7 – 4 Hours response time support with resolution of Critical issues within 12 hours.

OpenStack Cluster Hardware Requirements:

Detailed Specifications:

1. Compute Cluster Server- 2U FF (RUDRA III) – 3 Nos.	
Feature / Category	Technical Specifications & Requirements
Chassis	2U Rack Mountable
CPU	2 X Intel / AMD with 96 Cores (192 Threads) each and minimum Base Frequency of 2.4 GHz or higher Processor in latest (n) or n-1 or n-2 generation
Memory	24 DIMM slots or higher 1 TB or higher of DDR5 Registered DIMM (RDIMM) of min 64 GB each operating at 4800 MT/s or higher
Bus Slots	Server should have at least two PCI-Express 5.0 x16 slots free for future expansions.
BOOT optimized storage	2 x 480 GB M.2 NVMe Boot Optimized Storage in RAID 1
HDD Bays	Min 3 x 7.68 TB or higher NVMe disks in each node Refer to total storage requirement mentioned in Cluster requirement table.

Networking	Server should be supplied with 4 No's of 10/25Gb 2-port SFP28 Adapter with 4 No's of dual rate 10/25Gb SFP28 SR Transceivers
Fiber HBA	32Gb 2-port Fibre Channel Host Bus Adapter
Interfaces	USB ports - 2 nos. 1GbE Dedicated management port
Power Supply	Should support hot plug redundant power supplies with minimum 94% efficiency (in N+N) redundancy mode.
Fans	Redundant hot-plug system fans
Hardware Architecture & Core Standards	Must support ACPI (latest versions preferred), PCIe 5.0, Wake-on-LAN (WOL), and PXE boot capabilities. Management controller architecture must adhere to open standards like OCP DC-SCM 2.0 or a tightly integrated secure subsystem.
Firmware Security & Root of Trust	Must feature a hardware / Silicon based Root of Trust or cryptographic fingerprint embedded in hardware to prevent unverified firmware boots. Support for industry cryptographic standards including AES, 3DES. UEFI Secure Boot, TPM (Trusted Platform Module) 2.0 option Cryptographically signed and verified firmware updates to ensure tamper-free updates with anti-rollback protections.
Out-of-Band Remote Management	Dedicated physical 10/100/1000 Mbps (1Gbps) Management LAN port supporting fully agentless out-of-band monitoring. Java-free, HTML5 browser-based graphical remote console supporting Virtual Power (on/off/reboot) and encrypted Virtual Media redirection. SNMP & TLS (latest versions preferred) Native support for industry-standard RESTful APIs. Enables out-of-band remote KVM access, virtual media, sensor monitoring, and power control independently of the main CPU. Server should support agentless management using the out-of-band remote management port
Cables & Accessories	All the required Cables & Accessories as per the Site conditions must be provided. The Servers must be populated with required SFP's and fibre (OM4) copper patch cords of 5m Length must be provided for all populated ports.
Support & Warranty	5 years comprehensive direct OEM warranty 24x7 – 4 Hours response time & restoration within 24 hours with retain your disk option.

2. Controller Cluster Server- 2U FF (RUDRA III) – 3 Nos.	
Feature / Category	Technical Specifications & Requirements
Chassis	2U Rack Mountable
CPU	2 X Intel / AMD with 48 Cores (96 Threads) each and minimum Base Frequency of 2.4 GHz or higher Processor in latest (n) or n-1 or n-2 generation
Memory	24 DIMM slots or higher 256 GB DDR5 Registered DIMM (RDIMM) of min 32 GB each operating at 4800 MT/s or higher. Memory must be deployed in a strictly balanced channel configuration.

Bus Slots	Server should have at least two PCI-Express 5.0 x16 slots free for future expansions.
BOOT optimized storage	2 x 480 GB M.2 NVMe Boot Optimized Storage in RAID 1
HDD Bays	Min 3 x 3.84 TB NVMe disks in each node
Networking	Server should be supplied with 4 No's of 10/25Gb 2-port SFP28 Adapter with 4 No's of dual rate 10/25Gb SFP28 SR Transceivers
Fiber HBA	32Gb 2-port Fibre Channel Host Bus Adapter
Interfaces	USB ports - 2 nos. 1GbE Dedicated management port
Power Supply	Should support hot plug redundant power supplies with minimum 94% efficiency (in N+N) redundancy mode.
Fans	Redundant hot-plug system fans
Hardware Architecture & Core Standards	Must support ACPI (latest versions preferred), PCIe 5.0, Wake-on-LAN (WOL), and PXE boot capabilities. Management controller architecture must adhere to open standards like OCP DC-SCM 2.0 or a tightly integrated secure subsystem.
Firmware Security & Root of Trust	Must feature a hardware / Silicon based Root of Trust or cryptographic fingerprint embedded in hardware to prevent unverified firmware boots. Support for industry cryptographic standards including AES, 3DES. UEFI Secure Boot, TPM (Trusted Platform Module) 2.0 option Cryptographically signed and verified firmware updates to ensure tamper-free updates with anti-rollback protections.
Out-of-Band Remote Management	Dedicated physical 10/100/1000 Mbps (1Gbps) Management LAN port supporting fully agentless out-of-band monitoring. Java-free, HTML5 browser-based graphical remote console supporting Virtual Power (on/off/reboot) and encrypted Virtual Media redirection. SNMP & TLS (latest versions preferred) Native support for industry-standard RESTful APIs. Enables out-of-band remote KVM access, virtual media, sensor monitoring, and power control independently of the main CPU. Server should support agentless management using the out-of-band remote management port
Cables & Accessories	All the required Cables & Accessories as per the Site conditions must be provided. The Servers must be populated with required SFP's and fibre (OM4) copper patch cords of 5m Length must be provided for all populated ports.
Support & Warranty	5 years comprehensive direct OEM warranty 24x7 – 4 Hours response time & restoration within 24 hours with retain your disk option.

3. Backup Node - 4U FF or lesser – 1 No.

Feature / Category	Technical Specifications & Requirements
Chassis	4U Rack Mountable
CPU	2 X Intel / AMD with 96 Cores (192 Threads) each and minimum Base Frequency of 2.4 GHz or higher Processor in latest (n) or n-1 or n-2 generation
Memory	24 DIMM slots or higher 256 GB RAM DDR5 Registered DIMM (RDIMM) operating at 4800 MT/s or higher
Bus Slots	Server should have at least two PCI-Express 5.0 x16 slots free for future expansions.
BOOT optimized storage	2 x 480 GB M.2 NVMe Boot Optimized Storage in RAID 1
HDD Bays	Min 2 x 3.2 TB Data Center NVMe Mixed Use AG Drive 8 x 12TB HDD SATA ISE 6Gbps 7.2K 512e 3.5in Hot-Plug , AG Drive
Networking	Server should be supplied with 4 No's of 10/25Gb 2-port SFP28 Adapter with 4 No's of dual rate 10/25Gb SFP28 SR Transceivers
Fiber HBA	32Gb 2-port Fibre Channel Host Bus Adapter
Interfaces	USB ports - 2 nos. 1GbE Dedicated management port
Power Supply	Should support hot plug redundant power supplies with minimum 94% efficiency (in N+N) redundancy mode.
Fans	Redundant hot-plug system fans
Hardware Architecture & Core Standards	Must support ACPI (latest versions preferred), PCIe 5.0, Wake-on-LAN (WOL), and PXE boot capabilities. Management controller architecture must adhere to open standards like OCP DC-SCM 2.0 or a tightly integrated secure subsystem.
Firmware Security & Root of Trust	Must feature a hardware / Silicon based Root of Trust or cryptographic fingerprint embedded in hardware to prevent unverified firmware boots. Support for industry cryptographic standards including AES, 3DES. UEFI Secure Boot, TPM (Trusted Platform Module) 2.0 option Cryptographically signed and verified firmware updates to ensure tamper-free updates with anti-rollback protections.
Out-of-Band Remote Management	Dedicated physical 10/100/1000 Mbps (1Gbps) Management LAN port supporting fully agentless out-of-band monitoring. Java-free, HTML5 browser-based graphical remote console supporting Virtual Power (on/off/reboot) and encrypted Virtual Media redirection. SNMP & TLS (latest versions preferred) Native support for industry-standard RESTful APIs. Enables out-of-band remote KVM access, virtual media, sensor monitoring, and power control independently of the main CPU. Server should support agentless management using the out-of-band remote management port

Cables & Accessories	All the required Cables & Accessories as per the Site conditions must be provided. The Servers must be populated with required SFP's and fibre (OM4) copper patch cords of 5m Length must be provided for all populated ports.
Support & Warranty	5 years comprehensive direct OEM warranty 24x7 – 4 Hours response time & restoration within 24 hours with retain your disk option.

4. Network Leaf Switch 48px25GbE	
Feature / Category	Technical Specifications & Requirements
Solution requirement	Switch should support non-blocking Layer 2 switching and Layer 3 routing. Switch should support the complete STACK of IPv4 and IPv6 services. The Switch used have the capability to function in line rate for all ports
Hardware and Interface Requirement	Switch should have the following interfaces: Switch should have console port for local management & Out of band management interface for remote management Min. 48p x 10/25 Gbps or higher SFP ports which should support SFP+, SFP28 transceivers on all ports. The switch should be populated with 48 Nos. of SFP28/SFP+ ports from day one. (Interoperable dual rate 10/25G – Fibre switches). Min. 4p x 40/100 Gbps or higher ports which supports QSFP / QSFP28 transceivers on all ports, populated with 4 Nos. of QSFP28-SRBD compatible 100G (supporting 100m LC distance on OM4 MMF) Switch should be max 1 RU fixed form factor Switch should be rack mountable and support side rails, if required. Switch should be provided with redundant power supply units
Performance requirement	Switch should support dedicated process for each routing protocol Switch should re-converge all dynamic routing protocols at the time of routing update changes i.e. Graceful restart for fast re-convergence of routing protocols like OSPF, BGP. Switch should support minimum 256 VRF instances with route leaking functionality The switch should support min 350k IPv4 LPM routes The switch should have MAC Address table size of 200k The switch should support 8K multicast routes Switch should support 4000 VLANs Switch should support minimum 96 ECMP paths The Switch should support intelligent buffer management with a minimum buffer of 32MB. Switch should support minimum 1.76 Tbps of switching throughput
Network Virtualization Features	Switch should support VXLAN to achieve Network Virtualization using Virtual Over Lay Network. Switch should support VXLAN and EVPN symmetric IRB for supporting Spine - Leaf architecture to optimize the east - west traffic flow inside the Data Centre
Layer 2 Features	Spanning Tree Protocol (IEEE 802.1D, 802.1W, 802.1S) Switch should support VLAN Trunking (802.1q) Switch should support minimum 200k of MAC addresses Switch should support VLAN tagging (IEEE 802.1q)

	Switch should support IEEE Link Aggregation and Ethernet Bonding functionality (IEEE 802.3ad) to group multiple ports for redundancy Switch should support Link Layer Discovery Protocol as per IEEE 802.1AB for finding media level failures Switch should support layer 2 extension over VXLAN across all Data Centers to enable VM mobility & availability The Switch should support DC Bridging i.e. IEEE 802.1Qbb Priority Flow Control (PFC), Data Center Bridging Exchange (DCBX), IEEE 802.1Qaz Enhanced Transmission Selection (ETS), Explicit Congestion Notification (ECN). The switch should support Minimum 48 number of port channels The switch should support BGP EVPN Route Type 2, Type 4 and Route Type 5 for the overlay control plane
Layer 3 Features	Switch should support static and dynamic routing Switch should support VRF route leaking functionality from day 1 Switch should support VRF, VRF Edge, Virtual Routing to achieve multi-instance routing Switch should provide multicast traffic reachable using PIM-SM, PIM-SSM and Multicast Source Discovery Protocol (MSDP), IGMP v1, v2 and v3
Quality of Service	Switch should support 802.1P classification and marking of packet using CoS (Class of Service) and DSCP (Differentiated Services Code Point) Switch should support different type of QoS features for real time traffic differential treatment using Weighted Random Early Detection and Strict Priority Queuing. Switch should support Rate Limiting - Policing and/or Shaping Switch should support to trust the QoS marking/priority settings of the end points as per the defined policy
Security	Switch should support control plane Protection from unnecessary or DoS traffic by control plane protection policy Switch should support external database for AAA using TACACS+ and RADIUS Switch should support to restrict end hosts in the network in order to secure the port by limiting the number of learned MAC addresses to avoid MAC address flooding. VXLAN and other tunnel encapsulation/decapsulation should be performed in single pass in Hardware Switch should support Role Based access control (RBAC) for restricting host level network access as per policy defined Switch should support DHCP Snooping Switch should support Dynamic ARP Inspection or equivalent feature to ensure host integrity by preventing malicious users from exploiting the insecure nature of the ARP protocol Switch should support IP Source Guard to prevent a malicious host from spoofing or taking over another host's IP address by creating a binding table between the client's IP and MAC address, port, and VLAN Switch should support unicast and multicast blocking on a switch port to suppress the flooding of frames destined for an unknown unicast or multicast MAC address out of that port. Switch support broadcast, multicast and unknown unicast storm control to prevent degradation of switch performance from storm due to network attacks and vulnerabilities. The Switch should support LLDP. Switch should support Spanning tree BPDU protection
Manageability	Switch should support for sending logs to multiple centralized syslog server for monitoring and audit trail

	Switch should provide remote login for administration using SSHv2 Switch should support for capturing packets for identifying application performance using local and remote port mirroring for packet captures Switch must have Switched Port Analyzer (SPAN) with minimum 4 active session and ERSPAN/Remote SPAN on physical, Port channel, VLAN interfaces Switch should support management and monitoring status using different type of Industry standard NMS using SNMP v1 and v2, SNMP v3 with Encryption. Switch should provide different privileges for login in to the system for monitoring and management Should have Open APIs to manage the switch through remote-procedure calls (JavaScript Object Notation [JSON] or XML) over HTTPS after secure authentication for management and automation purpose. The Switch Should support monitor events and take corrective action like a script when the monitored events occur. Should support hardware telemetry without impacting performance of the switch and without adding overload on the resources like CPU and Memory. Flow path trace (ingress to egress switch) Per Flow Hop by Hop packet drop Per Flow latency (per switch and end to end) Should support software telemetry - Utilization of MAC table, Route table Hardware resources like interface utilization, BW utilization Switch environment like CPU, memory, FAN and Power Supply unit Interface statistics like CRC errors etc.
Availability	Switch should have provision for connecting to 1:1/N+1 power supply for usage and redundancy Switch should provide gateway level of redundancy IPV4 and IPV6 using HSRP/VRRP Switch should support for BFD For Fast Failure Detection
General requirements	Console cable and power cable (for standard Rack PDU) as per customer requirement to be provided. All Cables shall be factory-terminated. 5 m Fibre / Copper factory terminated Patch Cords for all the respective populated ports to be supplied. All Functionalities of Switch shall be IPv6 compliant and it should work on IPv6 Platform without any additional hardware/ software. All relevant licenses for all the features and scale should be quoted along with switch Visibility & Automation: All Network switches should be from same OEM and should be provided along with software for unified monitoring, provisioning and telemetry solution. The solution should be compatible and integrated with the proposed cloud solution. Data Centre switches should be able to be managed from Single Dashboard for ease of Management and Monitoring
Scope of supply installation & management	All the licenses have to be provided from day one. Direct Web based management without any Server requirement. Commissioning & integration together with all necessary software to make the system fully functional as intended. All features and performance parameters has to configured and demonstrated.
Warranty	5 Years, 24 x 7, 4 Hrs Onsite Response resolution within 48 hours for all critical issues.

5. NG-Firewall with ATP & Deep Inspection	
Feature / Category	Technical Specifications & Requirements
Type	NGFW
Form factor	3U or lesser
Features	Layer 3 - Layer 4, NAT, VPN, Application Visibility and Control (AVC), User Identity, Next Generation Intrusion Prevention System (IPS), Zero Day Protection, Advance Malware protection, Web Security Essentials, URL Filtering, Threat Intelligence
Hardware Configuration	Memory - 128 GB or more Type of Processor - X86 Storage Disk - 2X 400 GB or higher for inherent log storage Dual Hot Swappable Power Supplies Redundant Fans Device should supplied with rack mount kit, standard C13 power cord, Fibre cables and required Patch cables all accessories.
Traffic handled	TCP, UDP, HTTP/TCP, TCP/UDP
Throughput & Performance	10 Gbps Real World/Prod Performance Throughput with all features enabled including ATP, Deep Packet Inspection, SSL encryption & decryption, Web/URL Filtering, DNS Security, Sandboxing, Concurrent Session/Concurrent Connection - 30M or higher New session/Connection per second - 600K
Physical Interface	Type of Interface Supported Multi select - GE Copper , 10G SFP+, QSFP+ 40 G and GE SFF Number of 10G SFP+ interface - 12 (populated from day 1) Number of QSFP+ 40 G interface - 2 (populated from day 1) Should have Remote Lights Out Management (Separate mgmt. port) of 1 Gbps or higher RJ45 port.
VPN	Number of IPSec VPN Peers supported (Site to Site) - 10K Number of IPSec VPN Peers supported (Client to Site) – 10K SSL VPN Peers supported (Client to Site) – 2K
High Availability	Device should be supplied and configured in Active-Active HA mode from day 1
Licenses from Day 1	Web Security Essentials / URL Filtering, IPS License, Application Visibility License, APT (Advance Persistent Threat) License (Anti Malware Protection, C& C attacks, Geo IP Protection, Zero Day Threat Protection), DNS Security, Gateway Antivirus. Licenses for virtual logging device for daily logs of 100 GB per day, centralized management, event / incident management should be supplied from day 1.
Security Intelligence & Signatures	IP, URL, Domain, IOC Intelligence NGIPS Signature - 12000 or more
IPv6 Ready from day 1	Yes
On Site OEM Warranty	5 Years - All licenses, updates, upgrades& support has to be provided for at least 5 years with 24x7 production support (4 hours' response and 24 hours' resolution for all critical issues). For all noncritical issues affecting the services in any manner the issue has to be responded within 24 hours and resolved within 72 hours.

Certification	The firewall/ firewall's certified under Indian Common Criteria Certification Scheme (IC3S) by STQC, DEIT, Govt. of India.
Solution Inclusions	Solution must include with centralized mgmt. device/software along with log management and event / incident management. Separate virtual appliance are preferred and in case log management device in physical form is supplied it has to size for Analysis of 100 GB / day for 6 months and it should be with NVMe (preferred) or SSD disks.

(END OF SECTION IV)

SECTION -V

ANNEXURE-I-TECHNICAL BID SUMMARY

Name of Bidder:

Detail Address:

Contact Person:

Mobile No:

S.N.	Requirements	QTY in Nos	Make/ Model No	Declaration as per 6/18/2019- PPD & No.P-45021/112/2020- PP(BE-II)(E-43780) (Of OEM + Bidder)		
				Country of Origin of OEM	Country of Manufacture	Country of Shipment
1.	Compute Cluster Nodes	3 Nos.				
2.	Controller Cluster Nodes	3 Nos.				
3.	Backup Node & Storage	1 No.				
4.	Network Switches (TOR Edge / Leaf)	2 Nos.				
5.	Next-Gen Firewall	2 Nos.				

ANNEXURE-II- Delivery and Payment Schedule

S.N.	Description of Material	QTY in Nos	Delivery period	Installation Period	Payment
1.	Compute Cluster Nodes	3 Nos.	6 weeks from Date of AOC	2 Weeks	70% upon Delivery and 30% upon successful completion of Installation, Testing and Comissioning
2.	Controller Cluster Nodes	3 Nos.	6 weeks from Date of AOC	2 Weeks	
3.	Backup Node & Storage	1 No.	6 weeks from Date of AOC	2 Weeks	
4.	Network Switches (TOR Edge / Leaf)	2 Nos.	6 weeks from Date of AOC	2 Weeks	
5.	Next-Gen Firewall	2 Nos.	6 weeks from Date of AOC	2 Weeks	

*** SITC of Turnkey Solution should be completed withing 8 weeks from Date of Award of Contract.**

ANNEXURE-III- PRICE BREAK-UP FORMAT

Note: This annexure to be uploaded in the price bid section of GeM portal only and not to be enclosed along with Technical Bid documents.

S.N.	Requirements	Specifications	Quantity	Units	Rate	GST	Amount without GST	Amount with GST
1.	Compute Cluster Nodes	3 Nos.						
2.	Controller Cluster Nodes	3 Nos.						
3.	Backup Node & Storage	1 No.						
4.	Network Switches (TOR Edge / Leaf)	2 Nos.						
5.	Next-Gen Firewall	2 Nos.						
Total Cost which is inclusive of Supply, Installation, Testing & Commissioning and 5 Years Warranty from the date of handing over of the solution to C-DAC.								

(END OF SECTION V)

SECTION – VI
ANNEXURE - A
BID SECURING DECLARATION LETTER
(To be submitted by bidder eligible for EMD exemption)

Date:

To:
The Executive Director,

Dear Sir,

Subject: Bid Securing undertaking as per GFR – 2017, Rule 170(iii)-GeM Bid for Implementation of Turnkey Solution for Deployment of Server Cluster with Network Switches and Next-Gen Firewall

-Reg

Tender No-----

I/We*, the undersigned, declare that:

I/We* understand that, according to your conditions, bids must be supported by a Bid-Securing Declaration.

I/We* accept that I/we* may be disqualified from bidding for any contract with any Public Body for the period of time that may be determined by the Procurement Policy Office under section 35 of the Public Procurement Act, if I am/we* are* in breach of any obligation under the bid conditions, because I/we*:

(C.1.a) have withdrawn my/our* Bid during the period of bid validity specified in the Form of Bid; or

(C.1.b) having been notified of the acceptance of our Bid by the C-DAC during the period of bid validity, (i) fail or refuse to execute the Contract, if required, or, in accordance with the Instruction to Bidders.

Provided that I/we shall be given a curing period of one (1) month before any such action is taken by C-DAC.

I/We* understand this Bid Securing Declaration shall cease to be valid if I am/we are* not the successful Bidder, upon the earlier of (i) the receipt of your notification of the name of the successful Bidder; or (ii) thirty days after the expiration of the validity of my/our* Bid.

Signed: *[insert signature of person whose name and capacity are shown]* In the capacity of
[insert legal capacity of person signing the Bid Securing Declaration]

Name: *[insert complete name of person signing the Bid Securing Declaration]*

Duly authorized to sign the bid for and on behalf of: *[insert complete name of Bidder]*

Dated on _____ day of _____, *[insert date of signing]*

Corporate Seal (where appropriate)

[Note: The Bid Securing Declaration must be signed by the authorized signatory or in the name of the Managing Partner of the firm]

****Please delete as appropriate***

ANNEXURE - B
COMPLIANCE LETTER

Compliance of the offered solution is to be provided on bidder's letter head, in the format provided below:

Schedule of Items – BoQ

S.N.	Requirements	Compliance Yes/No	Deviations (to be clearly specified in detail)
1.	Compute Cluster Nodes	3 Nos.	
2.	Controller Cluster Nodes	3 Nos.	
3.	Backup Node & Storage	1 No.	
4.	Network Switches (TOR Edge / Leaf)	2 Nos.	
5.	Next-Gen Firewall	2 Nos.	

**** Note: Bidders shall provide details of the deviation in complying with the bid specification for any of the items listed in the above BOQ,***

ANNEXURE - C
UNDERTAKING(S) BY PRINCIPAL MANUFACTURER/OEM

(To be submitted in Original on Letterhead-For all the components from respective OEM)

Date:

The Executive Director,
Centre for Development of Advanced Computing (C-DAC) Plot
No: 6&7, Hardware Park,
Sy. No.1/1, Srisailem Highway,
Hyderabad – 501510.

Subject: Undertaking by Principal Manufacturer against tender no. for
Implementation of Turnkey Solution for Deployment of Server Cluster with Network
Switches and Next-Gen Firewall

.

Dear Sir,

We, M/s _____ (*Name of the manufacturer*) having registered office at
_____ (*address of the manufacturer*) by virtue of being manufacturer for
_____ (*Name of the product/s*), hereby certify that M/s _____ (*Name*
of the bidder) having their office at _____ (*Address of bidder*) are our Authorised
System Integrator for our range of products quoted by them.

Within the scope of requirement as per the tender mentioned above, we undertake to provide technical & other support towards fulfilling the requirements of installation, commissioning, benchmarking, acceptance criteria and product warranty services of the components to be supplied and installed at C-DAC, site by M/s. (Name of bidder) against said tender.

We also certify that the products offered are not nearing end-of-life / end-of-support five years down the line from the date of bidding.

The undersigned is authorised to issue this certificate on behalf of M/s
_____ (*Name of the manufacturer*).

For M/s _____ (*Name of the manufacturer*)

Signature & company seal

Name

Designation

ANNEXURE - D
TECHNICAL SOLUTION OFFERED

ANNEXURE - E
TENDER ACCEPTANCE LETTER

Date:

To:

**The Executive Director,
Centre for Development of Advanced Computing (C-DAC) Plot
No: 6&7, Hardware Park, Sy. No.1/1, Srisailem Highway,
Hyderabad – 501510**

Subject:.

Dear Sir,

We, the undersigned, offer to supply the solution to C-DAC, in response to your **Tender No:** . We are hereby submitting our proposal for same, which includes Technical bid and the Financial Bid on <https://gem.gov.in/>

We hereby declare that all the information and statements made in this bid are true and we accept that any misinterpretation contained in it, may lead to our disqualification.

We undertake, if our proposal is accepted, to submit a **5%** PBG towards 5 years warranty period, as per terms stipulated in the tender.

We confirm that the deliveries, installation, commissioning will be done within **8 weeks**, if the order is placed.

We hereby certify that my/ our firm has not been disqualified and / or blacklisted by any Office/ Department/ Undertaking of the State Government / Central Govt. of India, PSU/ Autonomous Body of Government of India, at the time of submission of this bid.

We agree to abide by all the terms and conditions of the tender document, including corrigenda. We would hold the terms of our bid valid for 180 days as stipulated in the tender document.

We understand you are not bound to accept any Proposal you receive.

The undersigned is authorized to sign this bid document. The authority letter to this effect is enclosed.

Yours sincerely, Authorized

Signatory:

Name and Title of Signatory:

e-mail:

Mobile No:

ANNEXURE - F

UNDERTAKING FOR NO DEVIATION

No Deviation Certificate

(To be submitted in the Bidder's letter head)

<Date>

To: *(Tender Inviting Authority)*

Subject: Selection of agency for **Turnkey Solution for Deployment of Server Cluster with Network Switches and Next-Gen Firewall**

Reference: No:

Dear Sir,

With reference to above, this is to confirm that as per tender conditions, we have understood the requirements before submission of our offer. We also confirm that we have not changed / modified the tender documents as appeared in the website/ issued by you and in case of such observance at any stage, it shall be treated as null and void.

We hereby confirm that we have not taken any deviation from tender Clauses together with other references as enumerated in the above referred Tender. We hereby confirm our unqualified acceptance to all terms & conditions, unqualified compliance to all the terms and conditions in the above referred tender.

Yours Sincerely

Name:

Designation:

(Company Seal)

ANNEXURE - G

NON BLACKLISTING

(To be submitted on the Letterhead of the bidder)

<Date>

To: *(Tender Inviting Authority)*

Subject: Selection of agency for Implementation of Turnkey Solution for Deployment of Server Cluster with Network Switches and Next-Gen Firewall

Reference: No:

Dear Sir,

We confirm that our company is not blacklisted in any manner whatsoever by MeitY, any State Government, Central Government or any other Public sector undertaking or a Corporation or any other Autonomous organization of Central or State Government as on Bid submission date.

Further we confirm that, our company is not convicted of an offence (a) under the Prevention of Corruption Act, 1988; or (b) the Indian Penal Code or any other law for the time being in force, during last 3 years from date of submission of this bid.

It is hereby confirmed that I/We are entitled to act on behalf of the bidder and empowered to sign this document as well as such other documents, which may be required in this connection.

Sincerely,

<Signature>

<Seal>

Name:

Designation:

Name and Address of bidder:

ANNEXURE-H- AUTHORITY LETTER

Date:

To:

**The Executive Director,
Centre for Development of Advanced Computing (C-DAC) Plot
No: 6&7, Hardware Park,
Sy. No.1/1, Srisailem Highway,
Hyderabad – 501510**

To: *(Tender Inviting Authority)*

Subject:

Dear Sir,

I am Shri..... working as a..... (Designation) duly authorized to sign the Tender Response for and on behalf of M/s ... (name of the bidding firm):

Signature:.....

(Name and Address of Bidder)

(Seal/Stamp of bidder)

CERTIFICATE AS TO AUTHORISED SIGNATORIES

I, certify that I am<designation>..... of the<Company Name>, and that<Name of the Respondent>..... who signed the above response is authorized to bind the corporation by authority of its governing body.

Date:

Name:

Designation:

Signature:

(Seal)

Note: Authorized signatory should be an employee of the bidder and should have been authorized, authorizing him/her to sign/execute the proposal as a binding document and also to execute all relevant agreements forming part of RFP. Copy of proof of authorization (Board Resolution copy/power of attorney letter from all the partner(s)) should be provided.

ANNEXURE-I-LITIGATION IMPACT UNDERTAKING

Litigation Impact Statement

<Bidder letter head>

<Date>

<Address>

Subject:

Dear Sir,

We have read and understood the contents of the Request for Proposal and pursuant to this hereby confirm that we continue to satisfy the eligibility criteria laid out at the time of short-listing us to participate in the bidding process for **Selection of agency for Implementation of Turnkey Solution for Turnkey Solution for Deployment of Server Cluster with Network Switches and Next-Gen Firewall.**

There are no pending litigations in any court of law, which are likely to have a materially adverse impact on our ability to deliver under this selection or on our ability to provide services as contemplated in this RFP.

<Signature>

<Designation>

Duly authorized to sign the RFP Response for and on
behalf of:

Sincerely, Bidder Seal

Name Designation Signature Date

<Name and Address of Bidder>

Seal/Stamp

ANNEXURE -J- INTEGRITY PACT

TEXT OF THE PRE-CONTRACT INTEGRITY PACT

This Integrity Pact (“the Pact”) is made and executed on this ____ Day of ____ Two Thousand Twenty _____ at _____.

By and Between

Centre for Development of Advanced Computing (C-DAC), an autonomous scientific Society under the Ministry of Electronics and Information Technology, Government of India, registered under the Societies Registration Act 1860 and the Bombay Public Trusts Act 1950, having its registered Office at Savitribai Phule Pune University Campus, Pune 411 007, hereinafter referred to as "C-DAC/Principal", which expression shall unless repugnant to the context or meaning thereof be deemed to mean and include its administrators, successors or assignees, as the case may be.

and

..... hereinafter referred to as “The Bidder(s)/Contractor(s)”, which expression shall unless repugnant to the context or meaning thereof be deemed to mean and include its administrators, successors or assignees, as the case may be.

(The Principal and the Bidder (s)/Contractor(s) are collectively referred to as “the Parties”.

Preamble

The Principal intends to award, under laid down organizational procedures, contract/s for ----- (“the Contract”). The Principal values full compliance with all relevant laws and regulations, and the principles of economic use of resources, and of fairness and transparency in its relations with its Bidder/s and Contractor/s. The Principal intends to avoid all forms of corruption by following a system that is fair, transparent and free from any influence/prejudiced dealings prior to, during and subsequent to the currency of the contract to be entered into. The Principal also intends that Bidder/s and Contractor/s should abstain from bribing or indulging in any corrupt practices in order to secure the contract by providing assurance to them that their competitors will also abstain from bribing and other corrupt practices and the Bidder/s and Contractor/s shall commit to prevent corruption, in any form, by its officials by following transparent procedures.

In order to achieve these goals, the Principal, by way of this Integrity Pact (“the Pact”) will appoint Independent External Monitor (“IEM”) who will monitor the tender process and the execution of the Contract for compliance with the principles mentioned above.

The parties hereto hereby agree to enter into this Pact and agree as mentioned below.

**Section 1
Commitments of the Principal**

- 1) The Principal commits itself to take all measures necessary to prevent corruption and to observe the following:-
 - a) No employee of the Principal, personally or through relatives or any other person, will in connection with the tender, or for the execution of the Contract, demand, promise or accept for himself/herself or any third person, any material or immaterial benefit or any other advantage from the bidder/s or contractor/s which he/she is not legally entitled to.
 - b) The Principal will, during the tender process treat all Bidder/s and Contractor/s with equity and reason. The Principal will in particular, before and during the tender process, provide to all bidder/s and contractor/s the same information and will not provide to any bidder/s or contractor/s additional/confidential information through which the bidder/s and contractor/s could obtain an advantage in relation to the tender process or the contract execution.
 - c) The Principal will exclude from the process all known prejudiced persons.
- 2) If the Principal obtains information on the conduct of any of its employees, which is a criminal offence under the relevant Anti-Corruption Laws of India, or if there be a substantive suspicion and the same is prima facie found to be correct in this regard, the Principal will inform its Vigilance Office and in addition can initiate disciplinary actions. In such a case while such enquiry is being conducted by the Principal, the proceedings under the contract shall not be stalled.

Section 2 Commitments of the Bidder/ contractor

- 1) The Bidder / Contractor commits to take all measures necessary to prevent corrupt practices, unfair means and illegal activities . He commits himself to observe the following during his participation in the tender process and during the contract execution:
 - a) The Bidder / Contractor undertakes that he/she has not given, offered or promised to give directly or indirectly any bribe, gift, consideration, reward, favour any material or immaterial benefit or other advantage, commission, fees, brokerage or inducement to any official of the Principal, for which benefit etc. 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 / Contractor will not, directly or through any other person or firm, offer, promise or give to any of the Principal's employees involved in the tender process or the execution of the contract or to any third person any bribe, gift, consideration, reward, favour, any material or immaterial benefit or other advantage, commission, fees, brokerage

or inducement to any official of the Principal, for which benefit etc. 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

- c) The Bidder / Contractor will not enter into any agreement or understanding with other Bidders in connection with the bid, including but not limited to prices, specifications, certifications, subsidiary contracts, submission or non-submission of bids or any other actions to restrict competitiveness or to introduce cartelisation in the bidding process.
- d) The Bidder / Contractor will not commit any offence under the relevant provisions of Anti-Corruption Laws of India/Indian Penal Code, 1860, Information and Technology Act, 2000, Competition law or any other relevant laws, enactments, rules and regulations. Further the Bidder / Contractor will not use improperly, for purposes of competition or personal gain, or pass on to others, any information or document provided by the Principal as part of the business relationship, regarding plans, technical proposals and business details, including information contained or transmitted electronically. The Bidder / Contractor also undertakes to exercise due and adequate care of any such information so divulged.
- e) The Bidder / Contractor further confirms and declares to the Principal that the Bidder / Contractor is the original manufacturer / integrator / authorised government sponsored export entity and has not engaged any individual or firm or company whether Indian or foreign to intercede, facilitate or in any way to recommend to the Principal or any of its functionaries, whether officially or unofficially to the award of the contract to the Bidder / Contractor, nor has any amount been paid, promised or intended to be paid to any such individual, firm or company in respect of any such intercession, facilitation or recommendation.
- f) The Bidder / Contractor will, when presenting his bid, disclose any and all payments he has made, is committed to make or intends to make to agents, brokers or any other intermediaries in connection with the award of the contract and the details of the services agreed upon for such payments.
- g) The bidder(s)/ contractor (s) of foreign origin shall disclose the name and address of agents and representatives in India related to this tender. Similarly, the bidder(s)/ contractor(s) of Indian nationality shall furnish the name and address of their foreign principals or associates, if any, related to this tender.
- h) The Bidder / Contractor shall not accept any advantage in exchange for any corrupt practice, unfair means and illegal activities.
- i) If the Bidder / Contractor or any employee of the Bidder / Contractor or any person acting on behalf of the Bidder / Contractor, either directly or indirectly, is a relative of any of the officers of the Principal, or alternatively, if any relative of an officer of the Principal has

financial interest / stake in the Bidder's / Contractor's firm, proprietorship, company, etc. the same shall be disclosed by the Bidder / Contractor at the time of filing of tender/EoI. The term 'relative' for this purpose would be as defined in Section 6 of the Companies Act, 2013.

- j) The Bidder / Contractor shall not lend to or borrow any money from or enter into any monetary dealings or transactions, directly or indirectly, with any employee of the Principal.
 - k) The bidder / contractor shall disclose the circumstances, arrangements, undertakings or relationships that constitute, or may reasonably be considered to constitute, an actual or potential conflict of interest with its obligations specified in the tender process or under any Agreement which may be negotiated or executed with Principal. Bidder / Contractor and its employees, agents, advisors and any other person associated with the bidder / contractor must not place themselves in a position which may, or does, give rise to conflict of interest (or a potential conflict of interest between the interests of Principal or any other interests during this tender process or through operation of the Agreement.
 - l) The bidder(s)/ contractor (s) who have signed the Pact shall not approach the Courts while the matters/disputes/issues, related to tender process or the Contract are presented before the IEM and awaiting the final decision.
- 2) The Bidder / Contractor will not instigate third persons to commit above mentioned acts / omissions / offences outlined above or be an accessory to such offences.

Section 3

Disqualification from tender process and exclusion from future contracts

- 1) If the Bidder, before the Contract is awarded, has committed a transgression through a violation of Section 2 or in any other form such as to put his reliability or credibility as Bidder into question:
 - a) the Principal is entitled to disqualify the Bidder from the tender process or to terminate the Contract, if already signed, for such reason.
 - b) the Principal is entitled to exclude the Bidder / Contractor from participating in future contracts/tenders. The imposition and duration of the exclusion will be determined by the Principal based on the severity of the transgression. The severity will be determined by the circumstances of the case, in particular the number of transgressions, the position of the transgressors within the company hierarchy of the Bidder / Contractor and the amount of

- the damage. The exclusion will be imposed for a minimum of six (6) months and maximum of three (3) years.
- 2) An act/omission would be treated as a transgression after due consideration of the available evidence by the Principal.
 - 3) The Bidder / Contractor accepts and undertakes to respect and uphold the Principal's absolute right to resort to and impose such disqualification/exclusion and further accepts and undertakes not to challenge or question such exclusion on any ground, including the lack of any hearing before the decision of disqualification/exclusion is taken. This undertaking is given freely and after obtaining independent legal advice.
 - 4) If the Bidder / Contractor can prove that he has restored the damage caused by him and has installed a suitable corruption prevention system, the Principal may revoke the aforesaid disqualification/exclusion prematurely.

Section 4

Compensation for Damages

- 1) Without prejudice to any rights that may be available to the Principal under any law or the contract or its laid down policies and procedures, the Principal shall have the following rights in case of breach of this Pact by the Bidder/Contractor:
 - a) To forfeit the Earnest Money/Bid Security if the Bidder is disqualified from the tender process prior to the award in terms of Section 3;
 - b) To forfeit/invoke the Security Deposit/ Performance Bank Guarantee if the Principal has either terminated or is entitled to terminate the Contract of the Bidder in terms of Section 3
 - c) To immediately call of the pre contract negotiations without assigning any reason or giving any compensation to the Bidder / Contractor.
 - d) To immediately cancel the contract, if already signed, without giving any compensation to the bidder / contractor. The Bidder / Contractor shall be liable to pay the compensation for any loss or damage to the Principal resulting from such cancellation / rescission and the Principal shall be entitled to deduct the amount so payable from the amount due to the Bidder / Contractor.
 - e) To recover all sums already paid by the Principal, with interest at __% @ p.a. if any outstanding payment is due to the Bidder / Contractor from the Principal in connection with any other contract, such outstanding payment could also be set off to recover the aforesaid sum and interest.

- f) To recover all sums paid in violation of this Pact by the Bidder / Contractor to any middleman or agent or broker with a view to securing the contract.

Section 5

Previous transgression

- 1) The Bidder declares that he has not committed any transgressions in the last three (3) years against any Company in any country conforming to the anti-corruption approach or with any other Public Sector Enterprise in India that could invite/justify his exclusion from this tender process.
- 2) Any concealment of information or misrepresentation of facts, in regard to the aforesaid, can lead to his disqualification from the tender process or termination of the Contract, if already awarded, or invite any other appropriate action(s) as deemed fit.

Section 6

Equal treatment of all Bidders / Contractors / Subcontractors

- 1) The Principal will enter into Pacts on identical terms with all bidders and contractors.
- 2) The Bidder(s) / Contractor(s) assures to procure from all their subcontractors an undertaking for the adoption of this Pact. The Bidder (s) / Contractor(s) shall alone be responsible for any violation (s) of the provisions laid down in the Pact by any/all of their sub-contractor (s) or sub-vendor (s).
- 3) The Principal will be entitled to disqualify from the tender process all bidders who do not sign this Pact or violate its provisions.

Section 8

Independent External Monitor / Monitors

- 1) The Principal appoints competent and credible Independent External Monitor as nominated and approved by the Central Vigilance Commission. The task of the IEM is to review independently and objectively, whether and to what extent the Parties comply with the obligations under this Pact. The IEM would be required to sign 'Non-Disclosure Agreements' alongwith a declaration of 'Absence of Conflict of Interest'. In case of any conflict of interest arises at a later date, the IEM shall inform Chairperson of the Board of the Principal and recuse himself/herself from that case.

IEMs of CDAC

1. Mr. Vijay Kumar Singh
Email : vijaykumarsingh@hotmail.com

2. Mr. Peter Johnson
Email : mpjohnson@rediffmail.com

- 2) The IEM is not subject to instructions by the representatives of the parties and performs his functions neutrally and independently. He reports to the Chairperson of the Board of the Principal. The IEM would be provided access to all documents/records pertaining to the contract for which a complaint or issue is raised before them, as and when warranted. However, the documents/records/ information having National Security implications and those documents which have been classified as Secret/Top Secret are not to be disclosed.
- 3) The Bidder / Contractor accepts that the IEM has the right to access, without restriction, all Project documentation available with the Principal including the documents/ records/ information provided by the Bidder/Contractor. The Bidder/Contractor will also grant the IEM, upon their request and demonstration of a valid interest, unrestricted and unconditional access to his project documentation. The same is applicable to Subcontractors. The IEM is under contractual obligation to treat the documents/ records/ information of the Bidder/Contractor/ Subcontractor with confidentiality.
- 4) The Principal will provide to the IEM sufficient information about all meetings among the parties related to the Project provided that such meetings could have an impact on the contractual relations between the Principal and the Bidder/Contractor. The Parties will offer to the IEM the option to participate in such meetings.
- 5) As soon as the IEM notices, or suspects, a violation of this Pact, he will inform the Management of the Principal and request the Management to discontinue or rectify the violation, or take any other relevant action. The IEM can in this regard submit nonbinding recommendations. Beyond this, the IEM has no right to demand from the Parties that they act in a specific manner, refrain from action or tolerate action. However, the IEM shall give an opportunity to the Bidder / Contractor to present his case before making its recommendations to the Principal.
- 6) The IEM is expected to tender their recommendation on all the complaints within 30 days of their receipt, to the Chairperson of the Board of the Principal. Further, should the occasion arise, the IEM may submit proposals for correcting problematic situations.
- 7) If the IEM has reported to the Chairperson of the Board of the Principal a substantiated suspicion of an offence under relevant Anti-Corruption Laws of India/Indian Penal Code, 1860, or any other relevant laws and the Chairperson has not, within reasonable time, taken visible action to proceed against such offence or reported it to the Vigilance Office, the IEM may transmit this information directly to the Central Vigilance Commissioner, Government of India.
- 8) The word 'IEM' would include both singular and plural.

Section 9

Pact Duration

- 1) This Pact comes into force when both parties have signed it. It expires for the Bidder / Contractor 12 months after the last payment under the respective contract, and for all other Bidders / Contractors 6 months after the contract has been awarded.
- 2) If any claim is made / lodged during the aforesaid duration, the same shall continue to be valid despite the lapse of this pact as specified above, till it is discharged / determined by Chairperson of the Board of the Principal.

Section 10 Other provisions

- 1) This Pact is subject to Indian Laws. Place of performance and jurisdiction is the Registered Office of the Principal, i.e. Pune. The Arbitration clause provided in the main tender document / contract shall be applicable to any issue / dispute arising under this Pact.
- 2) If the Contractor is a partnership or a consortium, this Pact must be signed by all partners or consortium members.
- 3) In case of any allegation of violation of any provisions of this Pact or payment of commission etc. the Principal or its agencies shall be entitled to examine all the documents including the Books of Accounts of the Bidder / Contractor and Bidder / Contractor shall provide necessary information and documents and shall extend all possible help for the purpose of such examination.
- 4) If one or several provisions of this Pact are held to be invalid/unenforceable, the remainder of this Pact shall remain valid as though the invalid or unenforceable parts had not been included herein. In this case, the parties will strive to come to an agreement to their original intentions.
- 5) Issues like warranty/ guarantee etc. shall be outside the purview of IEM.

For the Principal

Place -----

Date -----

For the Bidder / Contractor

Witness 1 : -----

Witness 2 : -----

ANNEXURE -K- LAND BORDER SHARING

(To be submitted in Original on Letterhead-For All the items separately)

Date:

**The Executive Director,
Centre for Development of Advanced Computing (C-DAC) Plot
No: 6&7, Hardware Park,
Sy. No.1/1, Srisailem Highway,
Hyderabad – 501510.**

Subject: Undertaking by Supplier for tender no. for Implementation of Turnkey Solution for **Turnkey Solution for Deployment of Server Cluster with Network Switches and Next-Gen Firewall.**

Dear Sir,

We have read the clause mentioned in Office Memorandum No. F.No.6/18/2019-PPD of Public Procurement Division Department of Expenditure Ministry of Finance dated 23rd July 2020 and Order (Public Procurement No. 1) No. F.No.6/18/2019-PPD of Public Procurement Division Department of Expenditure Ministry of Finance dated 23rd July 2020 and further Order/OMs regarding restrictions on procurement from a bidder of a country which shares a land border with India. In view of this; we certify that

- a) We are not from a country sharing land border with India and any registration as mentioned in said OM is not applicable to us.
- OR.
- b) We are registered with the competent authority as mentioned in said OM. The copy of registration No.xxx dt.xxx is enclosed.

Signature & company seal

Name
Designation
Email
Mobile No.

ANNEXURE - L - LOCAL CONTENT DECLARATION

(To be given by Statutory Auditor / Cost Auditor / Cost Accountant / CA for tender value above Rs.10 crores)

To
Centre for Development of Advanced Computing
Hyderabad

SUBJECT:
Tender Reference No.

I _____ S/o, D/o, W/o _____, Resident of _____
do hereby solemnly affirm and declare as under that:

I will agree to abide by the terms and conditions of subject tender terms & conditions issued by C-DAC.

1. The information furnished hereinafter is correct to best of my knowledge and belief and I undertake to produce relevant records on demand by C-DAC for the purpose of verifying the Local Content (LC).
2. The LC for all inputs which constitute the said Goods /Services/Works has been verified by me and I am responsible for the correctness of the claims made herewith against the subject tender participation by M/s _____ (Bidding Firm name).
3. In the event of the LC of the Goods/Services/Works mentioned herein is found to be incorrect and not meeting the prescribed LC norms, based on the verification by C-DAC (or) appropriate authority, I/my firm will be liable as under clause 9(f) of Public Procurement (Preference to Make in India) Order 2017.
4. I agree to maintain all information regarding my claim for LC in the Company's record for a period of 2 years and shall make this available for verification to any statutory authorities.
5. The details of LC claim by M/s _____ (Bidding Firm name):
 - a) Goods /Services/Works for which the certificate is produced:
 - b) Percentage of LC claimed:%
 - c) Type of Supplier (Class-I/Class-II):.....
 - d) Name and contact details of the unit of the manufacturer/Service Station:

Note: "Local Content" means the amount of value added in India which shall, be the total value of the item being offered minus the value of the imported content in the item (including all customs duties) as a proportion of the total value, in percent. The bidders cannot claim services such as transportation, insurance, installation, commissioning, training and after sales service support like AMC/CMC etc as local value addition.

Certified by the Auditors,
(Name of the Auditors)
CA Membership Number.....

ANNEXURE - M

BIDDER DETAILS

<Letter Head>

Details of the bidder Organization	
Name	
Address in Delhi:	
Address of offices in India	
Date of commencement of legal practice/services	
Other Relevant Information	
Mandatory Supporting Documents: a. Copy of the Certificate of Incorporation issued by Registrar of Companies. In case of Partnership firm, duly signed and notarized copy of the partnership deed or a Certificate of Registration issued by the Registrar of Firms; or in case of a sole proprietorship, a GST registration certificate and/or PAN number. b. Supporting documentary proof for having office / branch in Delhi /National Capital Region. c. Relevant sections of Memorandum of Association of the company or filings to the stock exchanges to indicate the nature of business of the company. d. Copy of board resolution (or) Power of attorney authorizing the bid signatory in support of Annexure-IV “Authorization Letter”.	

CERTIFICATE

I,<name of the bidder>,certify that the details submitted by me are true and no information is false orincorrect.

Date:

Name:

Signature:

(Seal)

ANNEXURE - O
CHECKLIST

Sr	Description	Page No (s)
1	Annexure – I Technical Bid Summary	
2	Annexure – II Delivery Period and Payment Schedule	
3	Annexure – III Price Break-up Format	
4	A copy of Certificate of Incorporation, Partnership Deed / Memorandum and Articles of Association / any other equivalent document showing date and place of incorporation, as applicable, in support of eligibility criteria.	
5	Copies of PAN and GST registration certificates, as applicable.	
6	The detailed technical solution offered as per format given in Section – V.	
7	The copies of audited Profit and Loss Accounts OR the certificate from a Chartered Accountant certifying the annual sales turnover of the bidder for the last 3 financial years. (Average Annual Financial Turnover of Rs. 500 Lakhs during the last three financial years ending 31st March 2025)	
8	Other documents necessary in support of eligibility criteria, product catalogues, brochures etc.	
9	Bidder must have executed successfully at least two projects of similar nature / complexity in India, each costing not less than Rs. 5.00 Cr.	
10	Bid Security Declaration, as per Annexure – A. (To be submitted by bidder eligible for EMD exemption)	
11	Compliance Letter, as per Annexure – B.	
12	The undertakings from the Principal Manufacturers (OEMs) of equipment/ items offered as per Annexure – C.	
13	Technical Solution offered Annexure – D	
14	Tender Acceptance Letter Annexure – E	

15	Undertaking for Non-Deviation Annexure - F	
16	Non – Blacklisting Annexure – G	
17	Authority Letter Annexure - H	
18	Litigation Impact Annexure – I	
19	Integrity Pact Annexure – J	
20	Land Border Sharing Annexure – K	
21	Local Declaration Annexure – L	
22	Bidder Details Annexure – M	
23	Check List Annexure – O	

ANNEXURE - P
PROFORMA OF BANK GUARANTEE
(on non-judicial paper of appropriate value)

To,
Centre for Development of Advanced Computing (C-DAC)
Plot No: 6&7, Hardware Park,
Srisailem Highway,
Hyderabad – 501510

BANKS GUARANTEE NO:
DATE:

Dear Sir(S)

This has reference to the Purchase Order No. _____ Dated _____ been placed by Centre for Development of Advanced Computing(C-DAC), Hyderabad on M/s _____ (Name & Address of vendor) for Implementation of Turnkey Solution for Turnkey Solution for **Turnkey Solution for Deployment of Server Cluster with Network Switches and Next-Gen Firewall** (description of items) at C-DAC, site.

The conditions of this order provide that the vendor shall,

Arrange to deliver the items listed in the said order to the consignee, as per details given in said order, and Arrange to install and commission the items listed in said order at client's site, to the entire satisfaction of C-DAC and

Arrange for the comprehensive warranty service support towards the items supplied by vendor on site as per the warranty clause in said purchase order.

M/s (Name of Vendor) has accepted the said purchase order with the terms and conditions stipulated therein and have agreed to issue the performance bank guarantee on their part, towards promises and assurance of their contractual obligations vide the Supply Order No. _____ M/s. _____ (name of vendor) holds an account with us and has approached us and at their request and in consideration of the promises, we hereby furnish such guarantees as mentioned hereinafter.

C-DAC shall be at liberty without reference to the Bank and without affecting the full liability of the Bank hereunder to take any other undertaking of security in respect of the bidders obligations and / or liabilities under or in connection with the said contract or to vary the terms vis-a – vis the bidder or the said contract or to grant time and or indulgence to the bidder or to reduce or to increase or otherwise vary the prices or the total contract value or to forebear from enforcement of all or any of the obligations of the bidder under the said contract and/or the remedies of C-DAC under any security now, or hereafter held by C-DAC and no such dealing(s) with the bidder or release or forbearance whatsoever shall have the effect of releasing the bank from its full liability of C-DAC hereunder or of prejudicing right of C-DAC against the bank.

This undertaking guarantee shall be a continuing undertaking guarantee and shall remain valid and irrevocable for all claims of C-DAC and liabilities of the supplier arising up to and until _____(date)

This undertaking guarantee shall be in addition to any other undertaking or guarantee or security whatsoever the that C-DAC may now or at any time have in relation to its claims or the

supplier's obligations/liabilities under and / or in connection with the said contract and C-DAC shall have the full authority to take recourse to or enforce this undertaking guarantee in preference to the other undertaking or security (ies) at its sole discretion and no failure on the part of C-DAC in enforcing or requiring enforcement of any other undertaking or security shall have the effect of releasing the bank from its full liability hereunder.

We _____ (Name of Bank) hereby agree and irrevocably undertake and promise that if in your (C-DAC's) opinion any default is made by M/s _____ (Name of Vendor) in performing any of the terms and /or conditions of the agreement or if in your opinion they commit any breach of the contract or there is any demand by you against M/s _____ (Name of Vendor), then on notice to us by you, we shall on demand and without demur and without reference to M/s _____ (Name of Vendor), pay you, in any manner in which you may direct, the amount of Rs. _____/- (Rupees _____ Only) or such portion thereof as may be demanded by you not exceeding the said sum and as you may from time to time require. Our liability to pay is not dependent or conditional on your proceeding against M/s _____ (Name of Vendor) and we shall be liable & obligated to pay the aforesaid amount as and when demanded by you merely on an intimation being given by you and even before any legal proceedings, if any, are taken against M/s _____ (Name of Vendor)

The Bank hereby waives all rights at any time inconsistent with the terms of this undertaking guarantee and the obligations of the bank in terms hereof shall not be anywise affected or suspended by reason of any dispute or disputes having been raised by the supplier (whether or not pending before any arbitrator, Tribunal or Court) or any denial of liability by the supplier or any order or any order or communication whatsoever by the supplier stopping or preventing or purporting to stop or prevent payment by the Bank to C-DAC hereunder.

The amount stated in any notice of demand addressed by C-DAC to the Bank as claimed by C-DAC from the supplier or as suffered or incurred by C-DAC on the account of any losses or damages or costs, charges and/or expenses shall as between the Bank and C- DAC be conclusive of the amount so claimed or liable to be paid to C-DAC or suffered or incurred by C-DAC, as the case may be and payable by the Bank to C-DAC in terms hereof.

You (C-DAC's) shall full liberty without reference to us and without affecting this guarantee, postpone for any time or from time to time the exercise of any of the powers and rights conferred on you under the contract with the said M/s _____ (Name of Vendor) and to enforce or to forbear from endorsing any power or rights or by reason of time being given to the said M/s _____ (name of Vendor) which under law relating to the sureties would but for the provisions have the effect of releasing us.

You will have full liberty without reference to us and without affecting this guarantee, postpone for any time or from time to time the exercise of any of the powers and rights conferred on you under the contract with the said M/s _____ (Name of Vendor) and to enforce or to forbear from endorsing any power or rights or by reason of time being given to the said M/s _____ (Name of Vendor) which under law relating to the sureties would but for the provisions have the effect of releasing us.

Your right to recover the said sum of Rs. _____/- (Rupees _____ only) from us in manner aforesaid will not be affected/ or suspended by reason of the fact that any dispute or disputes have been raised the said M/s _____ (Name of Vendor) and/ or that any dispute or disputes are pending before any officer, tribunal or court or Arbitrator.

The guarantee herein contained shall not be determined or affected by the liquidation or winding up, dissolution or change of constitution or insolvency of the said M/s _____ (Name of Vendor) but shall in all respects and for all purposes be binding and operative until payment of all dues to C-DAC in respect of such liability or liabilities.

Our liability under this guarantee is restricted to Rs. _____/- (Rupees _____ Only). Our guarantee shall remain in force until unless a suit action to enforce a claim under guarantee is filed against us within six months from (which is date of expiry of guarantee) all your rights under the said guarantee shall be forfeited and we shall be relieved and discharged from all liabilities there under.

We have power to issue this guarantee in your favour under Memorandum and Articles of Association of our Bank and the undersigned has full power to do under the power of Attorney dated.

Notwithstanding anything contained herein:

- A. Our liability under this guarantee shall not exceed Rs. _____ (in words)
- B. This bank guarantee shall be valid up to _____ & unless a suit for action to enforce a claim under guarantee is filed against us within 1 month from the date of expiry of guarantee. All your rights under the said guarantee shall be forfeited and we shall be relieved and discharged from all liabilities there after i.e. after one month from the date of expiry of this Bank guarantee
- C. We are liable to pay the guaranteed amount or any parts thereof under this bank guarantee only and only if you serve upon us a written claim or demand or before _____
- D. The Bank guarantee will expire on 2 Months beyond the warranty period of 5 Years (the period of 62 months) from the date of successful installations of the items in the order) _____

SEAL OF THE BANK

Authorised Signatory
Granted by the Bank

Yours faithfully,

For (Name of Bank)

(END OF DOCUMENT)