



# BrahMos Aerospace Private Limited

An India-Russia Joint Venture

Web : [www.brahmos.com](http://www.brahmos.com) E-mail : [mail@brahmos.com](mailto:mail@brahmos.com)

BM/Contracts/339/OTE/DC- LKO/230925/01  
23<sup>rd</sup> Sept. ,2025

## INVITATION OF BIDS

### FOR SUPPLY, INSTALLATION, TESTING AND COMMISSINING (SITC) DATA CENTRE FACILITY INCLUDING CIVIL & ELECTRICAL WORKS AND VIDEO CONFERENCING SYSTEM AT BRAHMOS COMPLEX LUCKNOW

1. Bids in sealed cover under **Two-Bid System** are hereby invited by BrahMos Aerospace Pvt Ltd from Manufactures or their Authorized Distributers or Traders or Authorized dealers (holding valid distributorship /MAF) with valid trading license issued by State Government / District Administration for SITC of Data Center Facility & VC System at BAPL Lucknow. The technical specifications and quantity are mentioned in Part-II of this RFP.

2. The address and contact numbers for sending Bids is given below:

- |  |   |
|--|---|
| (a) Bids to be addressed to:             | AGM (Commercial)  |
| (b) Postal address for sending the Bids: | BrahMos Aerospace Pvt. Ltd.<br>6, Cariappa Marg, Kirby Place,<br>Delhi Cantt, New Delhi-110010<br><b>(referred as Buyer)</b>  |
| (c) Point of Contact Technical           | <b>Shri Amit K Sharma</b><br>Dy. Manager (IT),<br>16, Cariappa Marg, Kirby Place<br>Delhi Cantt-110010,<br>Phone: 88510-41568<br>Email: <a href="mailto:amitksharma@brahmos.com">amitksharma@brahmos.com</a>  |
| (d) Point of Contact Commercial          | <b>Bhawna Sharma</b><br>Sr. Executive Officer<br>16, Cariappa Marg, Kirby Place,<br>Delhi Cantt-110010,<br>Phone: 011- 4228 5133/103<br>Email: <a href="mailto:contracts@brahmos.co">contracts@brahmos.co</a> |

3. This RFP is divided into 5 Parts as follows:

- |           |  |
|-----------|--|
| PART I :  | General Information                          |
| PART II:  | Essential Details of Items/Services required |
| PART III: | Standard Terms & Conditions of RFP           |
| PART IV:  | Special Conditions of RFP                    |
| PART V:   | Evaluation Criteria & Price Bid issues       |



**PART I – GENERAL INFORMATION**

4. **Last date and time for depositing the Bids:** The sealed Bids under **Two-Bid system (Techno-Commercial in one Bid & Price in separate Bid)** should reach at the above given address through post / in person latest by **10<sup>th</sup> Oct 2025, 1100 Hrs.** The responsibility to ensure this lies with the Bidder. **Early submission of the Bids is acceptable to the Buyer.**
5. **Manner of depositing the Bids:** Sealed Bids consisting of Techno-Commercial Bid & Price Bid to be put in a single envelope with the '**Proforma format**', as enclosed, pasted on top, should be dropped in the Tender Box marked as **TENDER BOX NO.** so as to reach by the due date and time. Late tenders will not be considered.
6. **Location of the Tender Box:** Tender Box is placed in front of Reception area of BrahMos Aerospace HQ, New Delhi. **Only those Bids that are found in the tender box will be considered and opened.** Bids dropped in the wrong Tender Box will be rendered invalid.
7. **Forwarding of Bids:** Bids forwarded by the Bidder shall also include the following documents along with the technical bid, failing which, bids are liable to be rejected: -
- (a) Confirmation of their acceptance of the Standard Terms & Conditions of the RFP mentioned below (refer **Appendix-A**).
  - (b) An unconditional acceptance of all tender terms and conditions of RFP as per **Appendix –B** to be submitted by BIDDER.
  - (c) **Past experience.** Past experience Minimum two years' experience out of last three years (i.e. 2022-23, 2023-24 and 2024-25) for supply of tendered items or IT Hardware & Software. Copies of relevant and authenticated documents (indent/supply orders/contract documents and completion cert from the buyer etc) supporting the same issued by the Department of Central Government/ State Government or Public Sector Unit, where the bidder has successfully completed the delivery.
  - (d) **Performance Cert.** Past performance certificate issued by Army/Central Paramilitary Forces/Central Govt/State Govt Departments/PSUs/DPSUs/Public Sector Banks for last 3 years for supply of tendered items or IT Hardware & Software for personnel of Army/Central Para Military Forces/Central Govt/State Govt departments/PSUs/DPSUs/Public Sector Banks must be submitted. Past performance value must be equal to 40% or more than the value of the ibid tender in last one years out of three years. Past experience value will be considered for contract awarded in a single year only and not by counting two or more years. However, multiple contracts within any one year may be counted. Completion certificate duly issued by the employer must be submitted. Bids of all those firms whose performance is judged as 'Not Satisfactory' or 'Below Satisfactory' level are liable to be rejected. For MSME/SME bidders, past performance is relaxed to 30% of the value of the tender in any one year out of last three years will be considered in view of proven credentials. Relevant and authenticated documents supporting the performance/experience issued by the department concerned where the bidder has made the supply is required to be submitted to Buyer as and when called for, by the competent authority for necessary verification. Bids without supporting documents are liable to be rejected.
  - (e) **Annual turnover** Average Annual Turnover of last three financial year duly audited by a licensed Chartered Accountant. The average annual turnover should be at least 50% of the value of the contract or more than that. For MSME/SME average annual turnover is relaxed to 40% of the value of the contract in one financial year out of last three financial year.



- (f) **UDYOG Aadhar No. for MSME.** UDYAM Certificate printed on or after 01 April 2024 to be clearly indicated along with supporting documents for MSME/SME (i.e MSME/SME registration certificate) should be uploaded along with the tender.
- (g) Ministry of MSME have clarified that all Central Ministries/Departments/Central Public Sector Undertakings may relax condition of prior turnover and prior experience with respect to Micro and Small Enterprises in all public procurements subject to meeting of quality and technical specifications. **Exceptions for MSMEs/ SMEs can be accepted only if the MSME/SME is registered with tendered items and the validity of their registration as MSMEs should not be expired till opening of Tech Bid.**
- (h) If the tenderer/bidder is a registered firm or a company under Company Act, such tenderer/ bidder must submit a **certified true copy of the registration deed** along with the tender. When a tender is submitted by a firm, all the partners of the firm shall be required to sign the tender else power of attorney in favour of the signatory is required to be submitted along with the tender. A copy of partnership deed will also be submitted along with the tender. **(duly attested by Notary).**
- (j) **PAN Card Number** along with clear and legible photocopy **(Self attested).** (refer Appendix-).
- (k) **Photocopy of GST registration certificate clearly specifying the name of the firm/proprietor and GST registration number. Self-attested.** (refer Appendix-C)
- (l) The bidder should submit Income Tax Return of last three years. In case of exemption of ITR. The scanned copy of document in support of exemption will have to be uploaded by the bidder along with technical bid, failing which tender is liable to be rejected **(Self attested).**
- (m) **Copy of valid Trading License** for product / products for which the tenderer has quoted his rates duly attested by **Class-I Gazetted Officer/Notary.** The trading license should bear name of the commodity for which the tender has been sought for, failing which, the bid is liable to be rejected. In case trading license for product is not applicable, the exemption certificate/ notice for the same should be attached, duly issued/ endorsed/ authenticated from the licensing authority. Trading license should be valid when the tenders are opened. An affidavit will be given by the bidder to renew the trading license if it is expiring in the contracted period.
- (n) **Financial Stability Certificate** issued during current financial year (i.e **01 Apr 2024 onwards**) from Scheduled Bank, preferably Nationalised Bank mentioning the approximate value up to which the tenderer is capable of undertaking the contract.
- (o) A **latest Power of Attorney** in original (**not more than two years old**) under oath by Oath Commissioner/First Class Magistrate or equivalent (if the tender is not signed by the actual tenderer or the tender is submitted on behalf of a firm) and signature (s) of the signatory (ies) in the tender **duly attested by a Class – I Gazetted Officer or Class-I Magistrate/Notary.**
- (p) **Authorised dealer/ distributor certificate** issued by the manufacturer to the bidder for the particular brand/brands of tendered item (**duly attested by Class-I Gazetted Officer/Notary**).
- (q) All bidders are required to submit **non-blacklisting** certificate as **per Appendix 'D'** attached with the RFP along with technical bid documents. **(Self-Attested)**
- (r) **Product Data Sheet** The bidder will upload the copies of the comprehensive Product data sheet of each item that he intends to supply, confirming to the relevant specifications. In case the product data sheet does not meet the specification, the Bid will be rejected.
- (s) Other relevant documents, which the Bidder wishes to submit.



8. **Pre-Bid clarification:**

(a) Prior to preparation of the **Techno-Commercial Bid**, clarifications regarding the technical terms & conditions, supply if any, be obtained from Dy. Manager (IT), **Lucknow** mail: [amitksharma@brahmos.com](mailto:amitksharma@brahmos.com), Tele: 88510-41568 within **10 working days** from the date of RFP. Date of pre-Bid meeting will be intimated to the vendor vide email/ over phone. Attending the Pre-bid meeting is mandatory condition for acceptance of bids by BUYER

(b) Prior to preparation of the **Techno-Commercial Bid**, clarifications regarding the commercial terms, if any, be obtained from **HOD (Commercial), New Delhi** mail: [contracts@brahmos.com](mailto:contracts@brahmos.com), Tele: 011-4228-5103 within **10 working days** from the date of RFP.

(c) Bidder must visit onsite for actual assessment work before the submission of Techno Commercial Proposal to finalized the BOQ.

9. **Modification and Withdrawal of Bids:** A bidder may modify or withdraw his bid after submission provided that the written notice of modification or withdrawal is received by the Buyer prior to deadline prescribed for submission of bids. A withdrawal notice may be sent by e-mail but it should be followed by a signed confirmation copy to be sent by post and such signed confirmation should reach the purchaser not later than the deadline for submission of bids. No bid shall be modified after the deadline for submission of bids. No bid maybe withdrawn in the interval between the deadline for submission of bids and expiration of the period of bid validity specified.

10. **Clarification regarding contents of the Bids:** During evaluation and comparison of Bids, the Buyer may, at its discretion, ask the Bidder for clarification of his Bids. The request for clarification will be given in writing and no change in prices or substance of the Bids will be sought, offered or permitted. **No post-Bid clarification on the initiative of the Bidder will be entertained.**

11. **Rejection of Bids:** Canvassing by the Bidder in any form, unsolicited letter and post-tender correction may invoke summary rejection. Conditional tenders will be rejected.

12. **Validity of Bids:** The Bids should remain valid till **3 months** from the last date of submission of the Bids.

13. **Conditions under which this RFP is issued:** This RFP is being issued with **no financial commitment**. The Buyer reserves the right to withdraw the RFP and change or vary any part thereof or foreclose the procurement case at any stage. The Buyer also reserves the right to disqualify the Bidder, should it be so necessary at any stage.



**PART II – ESSENTIAL DETAILS OF ITEMS/SERVICES REQUIRED**

14. **Scope of Work (SOW):** As per the attachment at **Annexure-I**.
15. **List of Deliverables:** The details are mentioned in **Annexure-I** of this RFP.
16. **Delivery Schedule and Location:** The items to be **delivered at Bahat Gaon, Lucknow BAPL within 12 Weeks** from the date of issue of Purchase Order (PO) and **installation, testing and commissioning of items within 14 weeks** from date of issue of PO. The date of delivery of items at BAPL Lucknow, shall be considered as the date of delivery.
17. **Warranty:** Items supplied under this project including civil and electrical will be covered under warranty as defined in the SOW.
18. **Quality:** The items supplied must of latest manufacture & should conform to current production standards.
19. **Inspection Agency:** BAPL nominated rep from IT Department, Lucknow shall be the inspection agency for the deliverables. The inspection will be carried out as per the Acceptance Test Procedure (ATP) shared by IT Department of BAPL Lucknow. On successful completion of work, Certificate of Completion will be issued by rep of IT Department.
20. **Nodal Agency for execution:** Dy. Manager (IT), Lucknow will be the nodal agency to decide the quality of supply made by the Supplier.





### **PART III –STANDARD TERMS & CONDITIONS**

21. The Bidder is required to give confirmation of their acceptance of the Standard Terms & Conditions of the RFP mentioned below (refer **Appendix-A**) which will automatically be considered as part of the Contract concluded with the successful Bidder (i.e. Seller in the Contract) as selected by the Buyer. **Failure to do so may result in rejection of the Bid submitted by the Bidder.**
22. **Law:** The Contract shall be considered and made in accordance with the laws of the Republic of India. The contract shall be governed by and interpreted in accordance with the laws of the Republic of India.
23. **Effective Date of the Contract:** The contract shall come into effect on the date of placement of Purchase Order and shall remain valid until the completion of the obligations of the parties under the contract. The deliveries and supplies shall commence from the effective date of the contract.
24. **Arbitration:** All disputes or differences arising out of or in connection with the Contract shall be settled by bilateral discussions. Any dispute, disagreement or question arising out of or relating to the Contract or relating to construction or performance, which cannot be settled amicably, may be resolved through arbitration.
25. **Penalty for use of Undue influence:** The Seller shall undertake that he has not given, offered or promised to give, directly or indirectly, any gift, consideration, reward, commission, fees, brokerage or inducement to any person in service of the Buyer or otherwise in procuring the Contracts or forbearing to show favour or disfavour to any person in relation to the present Contract or any other Contract with the Buyer. Any breach of the aforesaid undertaking by the Seller or any one employed by him or acting on his behalf (whether with or without the knowledge of the Seller) or the commission of any offers by the Seller or any one employed by him or acting on his behalf, as defined in the Bhartiya Nyaya Sanhita (BNS), 2023 or the Prevention of Corruption Act, 1988 or any other Act enacted for the prevention of corruption shall entitle the Buyer to cancel the contract and all or any other contracts with the Seller and recover from the Seller the amount of any loss arising from such cancellation. A decision of the Buyer or his nominee to the effect that a breach of the undertaking had been committed shall be final and binding on the Seller. Giving or offering of any gift, bribe or inducement or any attempt at any such act on behalf of the Seller towards any officer/employee of the Buyer or to any other person in a position to influence any officer/employee of the Buyer for showing any favour in relation to this or any other contract, shall render the Seller to such liability/ penalty as the Buyer may deem proper, including but not limited to termination of the contract, imposition of penal damages, forfeiture of the Bank Guarantee and refund of the amounts paid by the Buyer.
26. **Non-disclosure of Contract documents:** Except with the written consent of the Buyer/Seller, other party shall not disclose the contract or any provision, specification, plan, design, pattern, sample or information thereof to any third party.
27. **Termination of Contract:** The Buyer shall have the right to terminate this Contract in part or in full in any of the following cases:  
(a) The delivery of the material is delayed for causes not attributable to Force Majeure for more than **02 months** after the scheduled date of delivery.  
(b) The Seller is declared bankrupt or becomes insolvent  
(c) The delivery of material is delayed due to causes of Force Majeure by more than **02 months** provided Force Majeure clause is included in contract.  
(d) As per decision of the Arbitration.
28. **Notices:** Any notice required or permitted by the contract shall be written in the English language and may be delivered personally or may be sent by FAX or registered pre-paid mail/ airmail, addressed to the last known address of the party to whom it is sent.



**29. Transfer and Sub-letting:** The Seller shall have no right to give, bargain, sell, assign or sublet or otherwise dispose of the Contract or any part thereof, as well as to give or to let a third party take benefit or advantage of the present Contract or any part thereof.

**30. Risk and Expense Clause:**

(a) Should the stores or any instalment thereof not be delivered within the time or times specified in the contract documents, or if defective delivery is made in respect of the stores or any instalment thereof, the Buyer shall after granting the Seller 45 days to cure the breach, be at liberty, without prejudice to the right to recover liquidated damages as a remedy for breach of contract, to declare the contract as cancelled either wholly or to the extent of such default.

(b) In case of a material breach that was not remedied within 45 days, the BUYER shall, having given the right of first refusal to the SELLER be at liberty to purchase, manufacture, or procure from any other source as he thinks fit, other stores of the same or similar description to make good: -

(i) Such default

(ii) In the event of the contract being wholly determined the balance of the stores remaining to be delivered thereunder.

**31. Force Majeure clause:** Should any Force Majeure circumstances arise, each of the contracting party shall be excused for the non-fulfillment or for the delayed fulfillment of any of its contractual obligations, if the affected party within **30 (Thirty) days** of its occurrence informs in a written form the other party. Force Majeure shall mean fires, floods, natural disasters or other acts, that are unanticipated or unforeseeable, and not brought about at the instance of, the party claiming to be affected by such event, or which, if anticipated or foreseeable, could not be avoided or provided for, and which has caused the non-performance or delay in performance, such as war, turmoil, strikes, sabotage, explosions, quarantine restriction beyond the control of either party. A party claiming Force Majeure shall exercise reasonable diligence to seek to overcome the Force Majeure event and to mitigate the effects thereof on the performance of its obligations under this contract. **A meeting with reps of BUYER and SELLER will be conducted before invoking Force Majeure Clause.**

**32. Packing and Marking:** The deliverables shall be packed in standard containers / packets as recommended by the manufacturer for storage and transportation. The packing of the item shall conform to the requirements of specifications and standards in force in India.



**PART IV – SPECIAL TERMS & CONDITIONS**

- 33. Payment Terms:** Basic Order value will be paid only after satisfactory completion of work duly certified by Lucknow BAPL rep from IT Department & submission of Invoice in Original.
- 34. Invoice Preparation:** All Invoices shall contain the following information:  
(a) All Invoices shall be raised and submitted to Dy. Manager, BAPL, Lucknow with a copy to HOD (Commercial), BAPL New Delhi. The address of BAPL, Lucknow:  
BrahMos Aerospace Pvt. Ltd.  
Plot No 1,  
Uttar Pradesh Defence Corridor Node  
Village Bhatgaon, Sarojini Nagar,  
Lucknow UP -226005  
In case of any changes in above address, the same will be notified to Bidder in form of Amendment to the Purchase Order.  
(b) GSTIN No. for Lucknow unit is 09AABCR8269E1Z3 and the same shall be mentioned in all invoices as applicable.
- 35. Documents to be submitted for claiming payment:** The following documents need to be submitted to Dy. Manager, BAPL, Lucknow, by SELLER for claiming payment:  
(i) Ink signed copy of Commercial Invoice.  
(ii) Copy of Order placed on SELLER by BUYER.  
(iii) Certificate of Acceptance issued by the Buyer (original) during PDI forwarded to SELLER
- 36. Price:** The price is required to be submitted as per the format in **Appendix-E**.
- 37. Taxes and Duties:** GST applicable at the time of dispatch will be paid extra by the Buyer. **GST will be reimbursed only when the GST claimed in the invoice is matched and credited to BAPL Account in relevant portal of GOI.**
- 38. Performance Security Deposit:** Performance Security Deposit equivalent to 3% of the total contract value would be deposited in the form Bank Guarantee /Fixed Deposit assigned to BAPL covering the entire period of delivery Schedule Plus an additional period of Three months to be submitted within 10 days from date of issuance of PO. The vendor has to submit the Bank Guarantee/FD from any Nationalized Bank or Private Bank (HDFC Bank/ ICICI Bank/ Axis Bank/ Kotak Mahindra Bank). BG/ FD would be in favor of BrahMos Aerospace Pvt. Ltd. In case of submission of Fixed Deposit by the vendor, the issuing bank should mark a lien in favour of BrahMos against the FDR.
- 39. Liquidated Damages:** Will be at the rate of 0.5% per week of delay and part thereof subject to maximum of 10% of order value on failure to complete the delivery within the need date.





**PART-V - EVALUATION CRITERIA**

**40.** The Bidder is required to submit **detailed Techno-Commercial Bid containing all Terms & Conditions as enumerated at Part II, Part III and Part IV of this RFP** and give confirmation of their acceptance of all Terms & Conditions (refer **Appendix-A**) which will automatically be considered as part of the Contract concluded with the successful Bidder (i.e. Seller in the Contract) as selected by the Buyer. The deviations, if any, may be clearly indicated in the Techno-Commercial Bid along with the Compliance Statement. **Failure to do so may result in rejection of Bid submitted by the Bidder.**

**41. Evaluation of Techno-Commercial Bid:** The Techno-Commercial Bid forwarded by the Bidders will be evaluated by a **Techno-Commercial Evaluation Committee (TCEC)** to confirm that the items being offered meet the requirement. This would be a paper evaluation comprising of scrutiny of all documents, technical literatures, certificates, compliance statements etc submitted by the bidders and any document asked by the TEC. The TCEC will examine the extent of variations/differences, if any, in the technical characteristics of the items offered by Bidder. **The Bidder, if required, may also be called for the TCEC meeting for clarification on the Techno-Commercial Bid submitted by them.**

**42. Evaluation of Price Bid.** The Price Bids of only those Bidders will be evaluated, **whose technical bids have been cleared by TCEC.** The price negotiation will be carried out by a Price Negotiation Committee (PNC). The Price Bid will be opened in front of TCEC qualified Bidders and negotiation will be carried out with the L1 Bidder. The Price Bids will be evaluated on the basis of total scope

**43.** List of Documents to be submitted by BIDDER / SELLER at various stages of execution of order:

<b><u>S.N</u></b>	<b><u>Documents</u></b>	<b><u>Reference in RFP</u></b>	<b><u>Remarks</u></b>
1.	Techno-Commercial BID	Para 1 of RFP	Part of Techno-Commercial Bid
2.	Price-Bid	Para 1 of RFP & Appendix-E	Part of Price-Bid
3.	Compliance Statement (along with soft copy in excel sheet in .xlsx)	Appendix-A	As part of Techno-Commercial BID
4.	Acceptance of Terms & Conditions of Tender	Appendix-B	
5.	Electronic Payment System Mandate Form	Appendix-C	
6.	Non-Blacklisting Certificate	Appendix-D	
7.	Bidder Registration / Assessment Document	Para 7 of RFP	
8.	Documents for Claiming Payment	Para 35 of RFP	During payment claim

**42.** Please acknowledge receipt of this RFP.

Thanking You,

Yours sincerely  
For BrahMos Aerospace Pvt. Ltd.

*Abhishek Panigrahi*

**Abhishek Panigrahi**  
Additional General Manager (Commercial)

**Abhishek Panigrahi**  
AGM (Commercial - Production Control)  
BrahMos Aerospace



**ANNEXURE-I**

(Ref Para 14 Part -II of RFP)

**BOQ & SCOPE OF WORK**

Set -Up Data Center Facility at BAPL Lucknow on turnkey basis which includes supply, installation, integration, testing & commissioning of HPE Server, Nivetti Switches, Microsoft Software, UPS System, Poly Video Conferencing System including Civil and Electrical Work Complete as require.

<b>1) HPE Servers – 2 Nos</b>		
<b>Product Code</b>	<b>Product Description</b>	<b>Qty</b>
P72175-B21	HPE ProLiant Compute DL360 Gen12 8SFF NC Configure-to-order Server	1
P74576-B21	Intel Xeon 6737P 2.9GHz 32-core 270W Processor for HPE	1
P69727-B21	HPE 32GB (1x32GB) Dual Rank x8 DDR5-6400 CAS-52-52-52 EC8 Registered Smart Memory Kit	8
P75084-B21	HPE ProLiant Compute DL3XX Gen12 1U 8SFF x1 Tri-Mode U.3 L-Shaped Backplane Kit	1
P50222-B21	HPE 7.68TB NVMe Gen4 High Performance Read Intensive SFF BC U.3 PM1733a SSD	5
P26253-B21	Broadcom BCM57416 Ethernet 10Gb 2-port BASE-T Adapter for HPE	1
P01366-B21	HPE 96W Smart Storage Lithium-ion Battery with 145mm Cable Kit	1
P48918-B21	HPE ProLiant DL360 Gen11 Storage Controller Enablement Cable Kit	1
P58335-B21	HPE MR408i-o Gen11 x8 Lanes 4GB Cache OCP SPDM Storage Controller	1
P51181-B21	Broadcom BCM5719 Ethernet 1Gb 4-port BASE-T OCP3 Adapter for HPE	1
P38995-B21	HPE 800W Flex Slot Platinum Hot Plug Low Halogen Power Supply Kit	2
P78147-B21	HPE C13 - C14 250V 10Amp 2m IN FIO Power Cord	2
BD505A	HPE iLO Advanced 1-server License with 3yr Support on iLO Licensed Features	1
P72203-B21	HPE ProLiant Compute DL3XX/ML350 Gen12 CPU1 to Rear OCP SlotB x8 Cable Kit	1
P76513-B21	HPE ProLiant Compute DL360 Gen12 8SFF x1 Rear OCP SlotA Controller Power Cable Kit	1
P52341-B21	HPE ProLiant DL3XX Gen11 Easy Install Rail 3 Kit	1
P74787-B21	HPE ProLiant DL3XX Gen12 High Performance Heat Sink Kit	1
HA114A1	HPE Installation and Startup Service	1
HU4A7A5	HPE 5Y Tech Care Essential with Defective Media Retention Service	1
HU4A7A50C4U	HPE DL360 Gen12 Support	1
<b>2) Software Licenses</b>		
<b>Description</b>		<b>Qty</b>
Microsoft Windows Server 2025 Standard - license - 2 cores		32
Kaspersky End point Security Antivirus		50

<b>3) Network Switches</b>		
<b>Product Number</b>	<b>Product Description</b>	<b>Qty</b>
NSP-4XGES24GE-C2P	Nivetti's 24 Port POE GE Base-T + 4 X 1G/10G SFP+ (with SFP) switch with 5-year onsite warranty	2
NSP-4XGES48GE-C2	Nivetti's 48 Port GE Base-T + 4 X 1G/10G SFP+ (with SFP) switch with 5-year onsite warranty	3



4) HP Z4 G5 Workstation & Laptop		
Processor	Intel Xeon W3-2423 4.00G 15MB 6 cores 110W CPU	1
Chipset	Intel® W790 chipset	
RAM	64 GB ECC, DDR5, 4800 MHz memory; Total 8 DIMM Slots upgrade up to 512GB	
BIOS	BIOS of the Workstation to have tool for Enhanced security features like self-healing, regular checks.	
Drive Controllers	Onboard 5nos SATA @ 6Gbps (RAID 0,1,5,10)	
Hard Disk	2TB M.2 PCIe NVMe SSD & 4 TB SATA 7200 ENT RPM HDD Option for future expansion of additional up to 4 SATA/SSD /M.2 SSD Hard drives.	
Graphics Card	NVIDIA RTX 2000 Ada 16 GB 4mDP Graphics	
Bays	2 x External 5.25"2 x Internal 3.5"2x M.2 PCIe x4 Gen3 Slot for SSDs	
Slots	1 x PCIe x16 Gen52x PCIe x4 Gen42x PCIe x16 Gen4All PCI Express slots should be open-ended.	
Security	Optional BIOS controlled electro-mechanical internal chassis lock for the system.	
Ports	Front: 4 x SuperSpeed USB Type-A 5 Gbps, 1 x Headphone/microphone comboRear: 6 x SuperSpeed USB Type-A 5Gbps Signaling Rate, 1 x RJ-45 Integrated LAN Port (1GbE AMT), 1 x Audio Line-In/Out, 1 x 10GBase-T	
Keyboard and Mouse	Minimum 104 keys USB Keyboard and USB Optical Scroll mouse - Same make as that of the workstation	
Audio	High-Definition Integrated Audio with Internal speaker.	
Power Supply	Minimum 770W	
Chassis	Tool less chassis with easy access. Provision for Kensington lock and Panel lock required. Integrated handles on the chassis. System should be rack-mountable	
Operating System	Windows 11 Pro 64 Workstations 6 Cores Plus and system should be certified for Red Hat* Enterprise Linux® Desktop 8 Or higher, SUSE Linux* Enterprise Desktop 15, Ubuntu 22.04 LTS or Higher	
Warranty	3 years onsite parts and labour warranty for system and monitor with defective media retention (DMR)	
Dust Filter	OEM should provide serviceable dust filter for avoid workstation failures due to dust and it should be connected into the workstation.	
HP Laptop 14'	HP Laptop Probook 440G11 14' FHD, processor Intel core Ultra 7 RAM 16GB, HDD 1 TB Nvme (SSD) WINDOW 11 PRO. & MS OFFICE, warranty 3 Years Equivalent With defective media retention (DMR)	4

5) UPS System				
S. No	Item Description	UOM	Qty	Remarks
1	<b>UPS System:</b> LIEBERT ITA2 10KVA, Online Double Conversion, Parallelable (3 Phase In / 1 Phase Out)	Nos	2	Base UPS unit
2	<b>External Battery Bank</b> – 12V SMF Batteries (VRLA), 65 AH as per backup requirement	Nos	32	
3	<b>Battery Rack</b> – Powder-coated MS rack for holding battery bank safely	Nos	2	Suitable for 16-20 batteries
4	<b>Battery Interlink Cables</b> – Copper cables with lugs for battery interconnection	Lot	1	As required
5	<b>UPS Input &amp; Output Cable Set</b> – Cu/Al as per rating, including lugs & glands	Lot	1	3 Phase Input + 1 Phase Output
6	<b>Bypass Switch (External Manual Maintenance Bypass Panel)</b> – Wall/floor mounted	Nos	1	
7	<b>Communication Cable &amp; SNMP Card</b> – For remote monitoring	Nos	2	



5) UPS System				
S. No	Item Description	UOM	Qty	Remarks
8	Installation, Testing & Commissioning	Job	1	Site-specific

6) Poly Studio X72 Video Conferencing System Setup				
S. No	Item Description	UOM	Qty	Remarks
1.	Poly Studio X72 Video Bar (Dual 4K Cameras, Mic, Speaker)	Nos	2	All-in-one VC system for large rooms
2.	Poly TC10 Touch Controller	Nos	2	For control of calls, settings, content sharing
3.	Polycom Microphone Array – table mic pods	Nos	3	For larger rooms or better coverage
4.	Multipoint Conference License (6 Way)	Nos	2	Enables native multi-party calling (Zoom/SIP/H.323)
5.	USB Pass-through Support/Device Mode (native feature)	Nos	1	For BYOD (Zoom/Teams/Webex from laptop)
6.	98" 4K Interactive Display Panel – IR/Capacitive Touch (Samsung/BenQ/LG)	Nos	1	For presentations, collaboration, whiteboarding
7.	Floor Stand (Heavy Duty for 98")	Nos	1	Mobile trolley based on room design
8.	75" 4K Interactive Display Panel – IR/Capacitive Touch (Samsung/BenQ/LG)	Nos	1	For presentations, collaboration, whiteboarding
9.	Floor Stand (Heavy Duty for 75")	Nos	1	Mobile trolley based on room design
10.	HDMI Cables (High-Speed, 4K)	Nos	6	For display connection (dual output support)
11.	USB Cable (A to B or C) – For touch & USB passthrough	Nos	2	To connect interactive panel touch to PC/Poly
12.	LAN Cables CAT6 (Poly, Touch Controller, Display, Internet)	Nos	4-8	As per network points
13.	PoE Network Switch (8 Port) – for powering TC8/TC10	Nos	2	Only if touch controller is PoE powered
14.	UPS 2 KVA APC	Nos	2	
15.	Cable Management / Raceway / Ducts	Lot	2	Site-dependent for clean installation
16.	Installation, Configuration & Testing	Job	2	Includes setup, pairing, software config, testing
17.	Extended Warranty / AMC (3 Years)	2	2	

7) Stulz i-CSR Micro Smart DC - 42U Two Racks Solution			
S No	Product Description	Units	Qty
I	i-CSR Micro Smart DC - 42U Two Racks Solution with 1 Year Warranty	Lot	1
A	Server / Network Rack with Accessories		





1	<b>Server / Network Racks</b> (IP54 Ingress Protection) - 800W x 2000H (42U) x 1200D, 100H Base Plinth, Top Cover & Bottom Cover with fixed & sliding type cable gland plate with foam insert at rear side of Rack for cable entry, 2 pairs of 42U 19" Angles with "U" marking, Front Door with Toughened Glass of min 6mm thickness with door stiffeners & swing handle, Rear Plain Double Door with cutout for Exhaust Fans, swing handle with 3-point locking system & accessories. Color : RAL 9005 (Black)	Nos	2
2	Vertical High Density Cable Manager with Split Hinged Doors and 4U Cable Loops – 2nos/Rack at Front side for cable management.	Nos	4
3	Rear Vertical Cable Trough on LH & RH side with provision for fixing PDU's	Nos	4
4	Automatic Door Opening System (For Front Doors) with Gas Spring Fixing Arrangement	Nos	2
5	Captive Hardware (Pack of 50nos)	Pks	2
6	Set of Side Panels - 2000H x 1200D, Color : RAL 9005 (Black)	Set	1
7	Side by Side Baying Kit	Sets	2
8	Blanking Panel 1 U, ABS Material (Black Colour)	Nos	80
9	1U Horizontal Cable Manager with PVC channel type– 2nos/ Rack	Nos	4
10	Status Based LED Lights on the Front Side	Nos	2
11	Copper Earth Rail 12x6x400 with screws and insulators– 1no / Rack	Nos	2
<b>B</b>	<b>Rack iPDU's - Metered</b>		
1	16A, 1P, 24 Outlets: C13-18 Nos, C19-06 Nos, 1.77" LCD display, 2 X 16A HyMag CB, Supported Protocols: HTTP, SNMP v1, Telnet, Modbus TCP, IPV4, Network port - 10/100mbps, 4 Sq mm, 3C, 1.5-meter power cable with Nema L6-20P industrial plug, Vertical NG iPDU.	Nos	4
2	UPS Power Distribution to PDU: 1Phase 20A PDU, with NEMA socket 1 no. & C13 socket 2 nos., with 20A MCB & PG-16 cable gland, Colour: RAL 9005.	Nos	4
<b>C</b>	<b>In-Rack Precision Air Conditioning System (N+N)</b>		
1	<b>Cooling Rack</b> - 400W x 2000H (42U) x 1200D, 100H Base Plinth, Top Cover with cutout, Bottom cover, Front & Rear Plain Door with 3-point locking system & swing handle, depth rails at top & bottom as per drawing & Accessories. <b>Color Shade : RAL 9005 Txt</b>	No	1
2	Top Cable Gland - Roxtec Comseal	No	1
3	Emergency Exhaust Fan Kit on Rear Door	Nos	4
4	Low Side Works for Air-Condition System <b>(20 mtrs dist b/n indoor &amp; outdoor for each 7kW Cooling Unit )</b>	Sets	2
5	Supply of Cable Trough of size : 300W x 60H mm with Cover Lid & necessary accessories for fixing.	Mtrs	20





<b>D</b>	<b>Environmental Monitoring System - EMS</b>		
1	Environmental Monitoring System with 7" Touch Screen HMI Console for Remote Monitoring & Controlling of following :- # Cooling Units with Sequencing, # Auto Door Kit - 1no/Rack, # Emergency Exhaust Fans - 2 Nos/Rack, # Water Leak Detection (Drip Sensor) - 1 No/cooling unit, # Temperature & Humidity Sensor – 2 Nos/Rack, # Smoke Sensor – 1 No/Rack, # Door Sensor – 2 Nos /Rack, # Fire Detection & Suppression System, # Alarm Beacon with E-mail Alerts for Notifications.	Set	1
<b>E</b>	<b>Rack Based Fire Detection, Extinguishing System &amp; VESDA</b>		
1	Rack Mount Self-contained Fire Detection & Suppression System designed to protect Server Racks with FK-5-1-12 Agent with Optical Smoke Detectors in Cross Zoning, Cylinder, Actuator, MS Piping kit, Nozzle & releasing circuit.	Set	1
2	Aspirating Fire Detection System (VESDA) complete with power supply unit, Capillary Sampling Points & other accessories	Set	1
<b>F</b>	<b>Rack Based Access Control System</b>		
1	Biometric Access Control for Front Door (Fingerprint Reader with Controller - 1no/Rack) with High Security Electro-Mechanical Locks - 3nos/ Door, brackets & cabling.	Sets	2
<b>G</b>	<b>Ultrasonic Rodent Repellent System</b>		
1	Rack Based Ultrasonic Rodent Repellent System	Set	1
<b>H</b>	<b>Electrical Distribution Boards &amp; Cabling Works</b>		
1	Raw Power DB : 19" Rack Mountable Raw Power Distribution Panel with Incomer breaker, outgoing breakers for Cooling Units, UPS System, Rodent Repellant, status light etc.	No	1
2	UPS O/P DB : 19" Rack Mountable UPS O/P Distribution Panel (3U) with Incomer breaker, outgoing breakers for Rack PDU's etc.	Nos	2
3	Electrical Lowside Cabling & Termination Works	Lot	1
<b>I</b>	<b>Security Alerts</b>		
1	2nos CCTV camera (for front & rear of Rack row monitoring) with 4 channel NVR with power cables, Storage - 1TB HDD, CAT 6 cable & PVC conduit.	Set	1
2	Mobile SMS & E-mail Alerts	Set	1
<b>J</b>	<b>Logistics, Unloading, Installation &amp; Commissioning Works</b>		
1	Transportation & Unloading Costs	Lot	1
2	Project Management Costs	Lot	1



II	In-Rack Air-Condition System as per below Bill of Material with 1 Year Warranty (N+N).	Lot	1
1	In-Rack Cooling Unit Modules (DX Type) - 7kW Cooling Capacity with redundancy (N+N). # Indoor Unit Module: with EC Fans, SS Drain Pan & Inbuilt drain pump, Heater, Sequencing controller & thermostatic expansion valve. # Outdoor Unit: with <b>Fixed Scroll Compressor</b> , R-410A refrigerant, Axial Condenser Fans with Fan-speed controllers & electrical panel. Parameters for the PAC units: a. Supply air temperature: 22 ± 1 deg C b. Maximum return air temperature: 35 deg C c. Ambient temperature: 45 deg C d. Humidity: 40-65 RH	Nos	2

#### 8) VESDA SYSTEM

S. No	Make	Description	Unit	Qty
1.	Xtralis/ VLF 250	Supply, installation, testing & commissioning of laser based Early warning smoke detection system control Panel for ceiling void, room void and false floor void with Display, Power supply & all required accessories . Laser Focus Smoke Detection System suitable for 500 sqft area with single inlet suction system for Data centre and Utility room - UL listed / approved .Make : Xtralis / VLF 250	Set	1
2.	STND	Flush Capillary Sampling Point (Union and adaptor, 1.5m Capillary Tube & Sampling Point)	Set	3
3.	STND	End Cap for large bore pipes, 25 mm	LOT	3
4.	STND	24 VDC Power Supply Unit for Panel	Nos	1
5.	STND	Electronic Hooter	Nos.	1
6.	STND	Copper cable of 2c x 1.0 sqmm Armored type	Mtr	
7.	STND	Sampling tubes PVC SCH.40, 19 mm internal dia & 2mm dia. sampler holes drilled at 3mts.interval (burrs shall be removed ) and proper pipe supports at every 1.5 mts interval, end caps, Tees, Bends etc. complete. The pipes shall be connected in such a way that all joints shall be air tight.	Mtr	
8.		Installation and Commissioning Charges	Job	1

#### 9) Fire Systems

S. No	Make	Description	Unit	Qty.
1.	Ravell	Fire Alarm cum Gas release Panel - 02 Zone micro pressor based analog Addressable Fire Panel with LCD Display based with conventional Gas release system alongwith fire Alarm Detection systems with 12 hrs Battery Backup	Nos	1
2.	system sensor	Conventional Photoelectric smoke Detector	nos	10
3.	Ravell	Response indicator	no	4
4.	Ravell	Manual Release Switch (One for Datacentre and one for UPS room to be fixed outside the room )	no	1
5.	Ravell	Manual Abort Switch (One for Datacentre and one for UPS room to be fixed outside the room )	no	1
6.	Ravell	Hooter Cum Strobe	no	1



7.	Excel	2-core, 1.5 sq. mm. copper armoured cable	mtrs	
8.	Ravell	RELAY / Monitor Module	nos	0
9.		Installation and Commissioning Charges	job	1
<b>10) Water Leak Detection System</b>				
1.	C-system	FOUR Zone Digital Water Leak detection system control Panel with LCD Display, Power supply, battery backup, built in zone module & all required accessories . The panel should have the capability to be integrated to the Intelligent Fire Alarm System.	Nos.	1
2.	Sontay	Water leak sensing cable 5 mtrs mtrs. long, mechanically strong, resistant to corrosion and abrasion. The cable shall be constructed with two sensing wires,an alarm signaling wire and an continuity wire and all shall be PVC twisted pair stainless 316 elements - Model WD-CS / SONTAY	Mtr.	
3.	Ravell	Electronic Hooter for water sensing indication.	Nos	1
4.	Polycab	2 core 1.0 sq.mm Shielded, PVC Insulated Cu Cable for signal	Mtr.	
5.		Installation and Commissioning Charges	JOB	1
<b>11) Rodent Repellent System</b>				
1.	C-system	Digital type Microprocessor based Rodent Repellent systems / Microprocessor Based Master Console capable of connecting to 12 Satellites. With AUTO Frequency control	Nos.	1
2.	C-system	Satellite Units complete as per the specification & accessories required	Nos.	30
3.	Ravell	Electronic Hooter for water sensing indication.	Nos	1
4.	Polycab	supply of 2 core 1.0 sq.mm Shielded copper flexible cable with PVC Insulated for signal	Mtr.	
5.		Installation and Commissioning Charges	JOB	1
<b>12) CCTV Systems</b>				
1.		CCTV Camera's - IR Dume type /IP Based 3 MP Day Night	Nos	6
2.		Digital NETWORK VIDEO Recorder - 8 channel	Nos	1
3.	SEAGATE	Hardisk for 10 Terabite HD	Nos	1
4.	TYCO	Cat 6 cable for CCTV Camera in PVC conduit	mtrs	
5.		Installation and Commissioning Charges	Nos	1
<b>13) Access Control System</b>				
6.	SMART I	IP Based Biometric access control reader for server room having option with bio access & face recognition and access card and key pad	Nos	2
7.	STAND	Push Button for exit	Nos	2
8.	STAND	Emergency Break glass with switch for DC room	Nos	2
9.	SMART I	Attendance management and access control software	Nos	1
10.	STND	Single leafe magnetic lock of 600 lbs	Nos	2
11.	HID	Power supply for magnetic locks	Nos	2
12.	HID	Access card	Nos	10
13.	EXCEL / Polycab	8CORE 1 SQMM control in PVC conduit	Mtrs.	
14.		Installation and Commissioning Charges	Nos	1



14) Civil Works				
S No	Make	Descriptions	Unit	Qty.
1.	Unitiles	<b>RAISED FLOOR:-</b> Providing and fixing Access floor cement filled of 600X600 mm systems shall provide a finished floor height of 450 mm from the existing floor level. The system shall provide for suitable pedestal OF 100X100X2 MM and understructure design to withstand various static loads and rolling loads subjected to it in an Data Center Rack area. Access Floor system shall provide for adequate fire resistance, acoustic barrier and air leakage resistance. The system shall be able to withstand a UDL 1350 Kg/Sq.M and a Point Load of 450 Kg. The understructure / stand should be able to accept a pedestal Axial load of 2200 Kg . 50 micron epoxy conductive paint Floor panel shall be finished with 2mm thick antistatic high pressure laminate with 2mm thick PVC trim edge all-round	Job	1
2.	ISI	Tiles Lifting puller	Nos	2
3.	Hisar / Tata	STEPS / ramp using ms plate of size 1000 x900 mm width / depend on door size	LS	1
4.	Armstrong	<b>False Ceiling</b> (600mmX600mm Metal tile) : P/F in position modular grid ceiling NRC of 70 ,with standard perforation of 2.5 mm dia , suspension system consisting of 15mm wide exposed metal grids T-section with white powder coated exposed face flanges with Main Tee, Runner, Suspension with supported item Like fastner, Roul plug, screw, fastner etc. as per manufacturer specification.	job	1
5.	NAVAIR / AESE Fire	Double leaf Fire Retardant Door for Datacentre supply and fixing of fire rated Metal door, powder coated including all fitting. FIRE DOORS ( POLYURETHANE PAINT FINISH ), Mortise Sash Lock ( ML 100 A) with SS Lever Handles with internal thumb turn & external key operation cylinder, SS Ball bearing butt Hinges 101 x 89 x 3 mm, SS D' , Handle 254 mm ( Pair ) with Rose, SS Push Plate (150 x 300 mm ) , Door Closers LCN 1461 Standard Arm - ( with Designer cover ), Seal for Air tightness 5060 CL, 600 mm Long - from 2201 to up to a door height 2500 mm, Vision glass for Fire Doors 300 x 300 mm, Panic latch Briton 378 E with Mortise Lock (ML 100 P), half cylinder & SS D'Handle 254 mm with rose ( Briton 379 E )/ Door size 7x4 ft -01 nos	Nos	1
6.	TATA / Zindal	MS angle support for Fire door along with partition for strengthen and to avoid vibrations	Nos	3
7.	Ziproc / India Zipsum	Providing and Creating 125 mm zipsum wall partition-full heigh by using 12.5 mm fire zyp board in both side of AL frame which size could be of 75 mm x75 mm Aluminum Tube vertical -horizontal and vertical stud frame size frame size of 600mm with proper clamp support - Glass wool insulation to be filled on it .	Job	1
8.	stnd	Closing the three-window using Brick work & cement plaster	Job	1
9.	JK Putti	Smoothering the wall partitions with putty and CEMENT primers with three coats making smooth surface to the satisfaction of architect. For Server room.	Job	1





10.	Asian / Nerolec / stnd	Applying Fire Retargent paint on server inside walls three coats in Datacentre with roller l/c applying cement primer, making smooth surface with putty to the satisfaction of architect. For Server room .	Job	1
11.	stnd	Providing and applying acrylic plastic emulsion paint of approved make and shade to give an even shade over a primer coat and 2 finishing coats of plastic emulsion.	Job	1
<b>15) Electrical Systems</b>				
S. No.	Description		Unit	Qty
1.	ABB	ELECTRICAL Distribution system		
2.		INCOMER MCB -63 amp -01 AND OUTGOING -MCB 32A -03	Nos	2
3.	Polycab	POWER Cable size of 4Cx35 sqmm Al Arm . 1100 Volt for PAC -1&2	Mtrs.	60
4.	Polycab	Power Cable size of 4Cx16 sqmm Cu Armd 1100 volt from UPS OP TO DC ROOM	Mtrs.	150
5.	Polycab	FRLS Cable of size 3Rx10 sqmm Cu flexible from UPS PDU to Auxiliary POWER DB	Mtrs.	15
6.	Polycab	FRLS Cable of size 3Rx 4 sqmm Cu flexible for FIRE SAFETY AND distributions	Mtrs.	30
7.	ABB	UPS Power Distribution Board / Three phase vertical Wall mounted DB in Datacenter room with Input Breakers of 63 amp MCB and Output MCB'S, SP-32 amp x 10 nos . All MCB has to be D type	Nos	2
8.	ABB / OBO	Surge Protection device 3phase , B+C type to be fitted inside UPS OP DB	Nos	2
9.	ABB	EMERGENCY UPS Power Distribution Board /single Phase wall mounted with Input Double pole Breakers of 32 amp and Output MCB'S, SP-16 amp x 10 nos .	Nos	1
10.	Cabtree	UPS points with 6/16A, round 5pin with complete cabling in pvc conduit , switch and sockets including , GI Box , modular plate , wiring 3x2.5 sqmm wire in conduit controlled by 10 amp SP MCB for Fire safety	Nos	12
11.	Polycab	Light points along with ON/OFF switches board for individual ckt on each room along with wiring of size 3x2.5 copper FRLS flexible wire in PVC conduit to be integrated with existing main ckt	Nos	12
12.	Polycab	Emergency Light points along with ON/OFF switches board for individual ckt on each room along with wiring of size 3x2.5 copper FRLS flexible wire in PVC conduit to be controlled from Emer DB	Nos	6
13.	Cabtree	Power switch box with ON/OFF switches and Power socket of 16 amp , GI Box within room with PVC Conduit with copper FRLS cable of size 3x4 sqmm cu cable	Nos	4
14.	Havells	Lighting fixtures 600x600mm size with ceiling supporting along with energy efficient fixture - LED panel -	Nos	20
15.	Havells APEX	Emergency Lighting fixtures / downlighter with ceiling supporting along with energy efficient fixture - LED panel	Nos	8
16.	ESSAR ZINDAL	GI CABLE TRAY of size 250X40x2 MM wide / along with necessary-fitting material for 50 mm height from floor , coupler plates, nuts, bolts and washers etc	Mtrs.	12
17.	ESSAR ZINDAL	GI Cable Raceways of size 200X50 MM wide / along with necessary-fitting material for 50 mm height from floor , coupler plates, nuts, bolts and washers etc	Mtrs.	15
18.	ESSAR ZINDAL	GI Cable Raceways of size 75X50 MM wide / along with necessary-fitting material for 50 mm height from floor, coupler plates, nuts, bolts and washers etc -Networking	Mtrs.	15





19.	ZINDAL	GI pipe 40 mm size from UPS room for under grounding to lay the cable	Mtrs.	15
20.	Stnd	04 nos. of CHEMICAL Earthing system / Maintenance free for IT racks and UPS output till Server Racks, with 17 MM Dia BONDED COPPER ROD , 3 mtrs. depth with CI cover and ground enhancement materials	Nos	4
21.	Polycab	Copper earthing cable of size 10 sqmm copper flexible	mtrs	50
22.	Polycab	Copper earthing cable of size 6 sqmm copper flexible	mtrs	100
23.	ISI	GI earthing strip - 25x6 mm	mtrs	60
24.	ISI	Earthing GI wire 8 gauge along with Armd cable from electrical panel room to UPS and PAC	mtrs	50
25.	CPRI APPROVED	Powder coated Earthing Junction Box strip with copper strip 40x6 mm size from earth pit to Server room and UPS room	mtrs	1
26.	AMP	24 Port Patch panel, IO Ports	no	04
27.	AMP	Cat 6 patch cord (1 mtr, 2 mtr, 5 mtr)	no	80
28.		TESTING AND COMMISSIOING	Job	1
29.		Server Room Networking and Existing Network cable rerouting	Job	1



**APPENDIX -A**  
(refer para 7 (a) of Part - I of RFP)

**COMPLIANCE STATEMENT**

Sl. No.	Clause	RFP Requirement	Comments by Bidder
1.	<b>Part I</b>	<b>General Instructions</b>	
	Sl. No. of Clause as per RFP	Terms & Conditions as per RFP	Complied (Yes / No) If No, give details
2.	<b>Part II</b>	<b>Essential Details of Items / Services required</b>	
	Sl. No. of Clause as per RFP	Terms & Conditions as per RFP	Complied (Yes / No) If No, give details
3.	<b>Part III</b>	<b>Standard Terms and Conditions of RFP</b>	
	Sl. No. of Clause as per RFP	Terms & Conditions as per RFP	Complied (Yes / No) If No, give details
4.	<b>Part IV</b>	<b>Special Terms &amp; Conditions of RFP</b>	
	Sl. No. of Clause as per RFP	Terms & Conditions as per RFP	Complied (Yes / No) If No, give details
5.	<b>Part V</b>	<b>Evaluation Criteria &amp; Price Bid issues</b>	
	Sl. No. of Clause as per RFP	Terms & Conditions as per RFP	Complied (Yes / No) If No, give details
6.			

Based on the requirement the Bidder needs to submit the Compliance to the Bid in excel sheet format (.xlsx) in soft copy.



**APPENDIX -B**  
(refer para 7 (b) of Part - I of RFP)

**ACCEPTANCE OF TERMS & CONDITIONS OF TENDER**  
(To be given on Company Letter Head)

To,  
HoD (Commercial)  
M/s BrahMos Aerospace Pvt Ltd,  
16 Cariappa Marg, Kirby Place,  
Delhi Cantt, New Delhi – 110010

**ACCEPTANCE OF TERMS & CONDITIONS OF TENDER**

Tender Reference No. \_\_\_\_\_

Name of Tender: \_\_\_\_\_

Dear Sir,

1. I / We have obtained the tender document(s) for the above mentioned 'Tender/Work' from your office namely: -

\_\_\_\_\_ as per your advertisement / RFP, given above.

2. I / We hereby certify that I / we read entire terms and conditions of the tender documents from Page No. \_\_ to \_\_ (including all documents like annexure(s), schedule(s), etc.), which form part of the contract agreement and I / we shall abide hereby the terms / conditions / clauses contained therein.

3. The corrigendum(s) issued from time to time by your department / organizations too have also been taken into consideration, while submitting this acceptance letter.

4. I / We hereby unconditionally accept the tender conditions of above-mentioned tender document(s) / corrigendum(s) in its totality / entirety.

5. The Tech Bid and its enclosures as submitted in physical form as mentioned in part-I of RFP.

6. In case any provisions of this tender are found violated, your department / organization shall be at liberty to reject this tender / bid absolutely and we shall not have any claim / right against dept in satisfaction of this condition.

Yours Faithfully,

(Signature of the Bidder, with Official Seal)



**APPENDIX-C**  
(refer para 7 (k) Part -I of RFP)

**ELECTRONIC PAYMENT SYSTEM MANDATE FORM**

<b>SI No</b>	<b>Description</b>	<b>Details</b>
1	Name of the Firm & Address	
2	Email ID	
3	PAN No.	
4	Name of the Bank	
5	Name of Branch & Address	
6	Branch IFSC Code	
7	MICR Code	
8	Type of Account	
9	Bank Account No.	
10	Type of EPS	

I, hereby declare that the particulars given above are correct and complete. If the transaction is delayed or not effected at all for reasons of incomplete or incorrect information, I would not hold the institution responsible.

(Signature of the Bidder, with Official Seal)

Date:

Certified that the particulars furnished above are correct as per our records.

Bank Stamp:

Date:

(Signature of Authorized Official from the Bank)



**APPENDIX-D**  
(refer para 7 (q) Part -I of RFP)

**NON BLACK LISTING CERTIFICATE**  
(To be given on Company Letter Head)

1. I, \_\_\_\_\_ son of shri \_\_\_\_\_ age about \_\_\_\_\_ by  
profession proprietor/ partner of M/s \_\_\_\_\_ having registered office at  
\_\_\_\_\_ do hereby solemnly affirms and declare as  
under: -

(c) Undertakes to the effect that the firm/I represent is not blacklisted by any Government Organization.

(d) I am not Proprietor/ Partners/ Director of any other firm or business organization with whom Government has banned/ suspended business dealing.

(e) I do not have any concern/ subsidiaries with any business organization or agency blacklisted by Government Organization.

Company Seal

(Authorised Signatory of Company)

Place:

Dated:

Signature of Bidder & Stamp





**APPENDIX – E**  
(refer Para 1 Part IV of RFP)

**PRICE-BID FORMAT**

Price-Bid to be submitted as per the format below: -

S. No	Item Description	UOM	Qty.	HSN Code	Unit Rate (In Rs.)	GST Cost (In Rs.)	Total Cost (In Rs.)
1.	HP Server	Set	2				
2.	Microsoft Windows Server 2025 Standard - license - 2 cores	Nos	32				
3.	Kaspersky Anti-Virus endpoint security	Nos	50				
4.	Nivetti's 24 Port POE switch with 5-year onsite warranty	No	2				
5.	Nivetti's 48 Port GE Base-T + 4 X 1G/10G SFP+ (with SFP) switch with 5-year onsite warranty	No	3				
6.	HP Workstation with 24" TFT DMR (Defective media retention)	No	1				
7.	HP Laptop Probook 440G11 14" FHD	Nos	4				
8.	UPS System: LIEBERT ITA2 10 KVA	Nos	2				
9.	External Battery Bank – 12V SMF Batteries (VRLA), 65 AH	Nos	32				
10.	Battery Rack – Powder-coated MS rack for holding battery	Nos	2				
11.	Battery Interlink Cables	Lot	1				
12.	UPS Input & Output Cable	Set	1				
13.	Bypass Switch (External Manual Maintenance Bypass Panel)	Nos	1				
14.	Communication Cable & SNMP Card	Nos	2				
15.	Installation, Testing & Commissioning	Job	1				
16.	Poly Studio X72 Video Bar (Dual 4K Cameras, Mic, Speaker)	Nos	2				
17.	Poly TC10 Touch Controller	Nos	2				
18.	Polycorn Microphone Array – table mic pods	Nos	3				
19.	Multipoint Conference License (6 Way)	Nos	2				
20.	USB Pass-through Support/Device Mode (native feature)	Nos	1				
21.	98" 4K Interactive Display Panel – IR/Capacitive Touch (Samsung/BenQ/LG)	Nos	1				
22.	Floor Stand (Heavy Duty for 98")	Set	1				



S. No	Item Description	UOM	Qty.	HSN Code	Unit Rate (In Rs.)	GST Cost (In Rs.)	Total Cost (In Rs.)
23.	75" 4K Interactive Display Panel – IR/Capacitive Touch (Samsung/BenQ/LG)	Nos	1				
24.	Floor Stand (Heavy Duty for 75")	Set	1				
25.	HDMI Cables (High-Speed, 4K)	Nos	6				
26.	USB Cable (A to B or C) – For touch & USB passthrough	Nos	2				
27.	LAN Cables CAT6 (Poly, Touch Controller, Display, Internet)	Nos	4-8				
28.	PoE Network Switch (8 Port) – for powering TC8/TC10	Nos	2				
29.	UPS 2 KVA APC Make	Nos	2				
30.	Cable Management / Raceway / Ducts	Lot	2				
31.	Installation, Configuration & Testing	Job	2				
32.	Extended Warranty / AMC (3 Years)	Qty	2				
33.	i-CSR Micro Smart DC - 42U Two Racks Solution with 1 Year Warranty	Lot	1				
34.	Server / Network Racks (IP54 Ingress Protection) - 800W x 2000H (42U) x 1200D, 100H Base Plinth, Top Cover & Bottom Cover with fixed & sliding type cable gland plate with foam insert at rear side of Rack for cable entry, 2 pairs of 42U 19" Angles with "U" marking, Front Door with Toughened Glass of min 6mm thickness with door stiffeners & swing handle, Rear Plain Double Door with cutout for Exhaust Fans, swing handle with 3-point locking system & accessories. Color : RAL 9005 (Black)	Nos	2				
35.	Vertical High Density Cable Manager with Split Hinged Doors and 4U Cable Loops – 2nos/Rack at Front side for cable management.	Nos	4				
36.	Rear Vertical Cable Trough on LH & RH side with provision for fixing PDU's	Nos	4				
37.	Automatic Door Opening System (For Front Doors) with Gas Spring Fixing Arrangement	Nos	2				
38.	Captive Hardware (Pack of 50nos)	Pks	2				
39.	Set of Side Panels - 2000H x 1200D, Color : RAL 9005 (Black)	Set	1				
40.	Side by Side Baying Kit	Sets	2				
41.	Blanking Panel 1 U, ABS Material (Black Colour)	Nos	80				
42.	1U Horizontal Cable Manager with PVC channel type– 2nos/ Rack	Nos	4				
43.	Status Based LED Lights on the Front Side	Nos	2				
44.	Copper Earth Rail 12x6x400 with screws and insulators– 1no / Rack	Nos	2				



S. No	Item Description	UOM	Qty.	HSN Code	Unit Rate (In Rs.)	GST Cost (In Rs.)	Total Cost (In Rs.)
45.	<b>Rack iPDU's – Metered</b>						
46.	16A, 1P, 24 Outlets: C13-18 Nos, C19-06 Nos, 1.77" LCD display, 2 X 16A HyMag CB, Supported Protocols: HTTP, SNMP v1, Telnet, Modbus TCP, IPV4, Network port - 10/100Mbps, 4 Sq mm, 3C, 1.5-meter power cable with Nema L6-20P industrial plug, Vertical NG iPDU.	Nos	4				
47.	UPS Power Distribution to PDU: 1Phase 20A PDU, with NEMA socket 1 no. & C13 socket 2 nos., with 20A MCB & PG-16 cable gland, Colour:RAL 9005.	Nos	4				
48.	<b>In-Rack Precision Air Conditioning System (N+N)</b>						
49.	<b>Cooling Rack - 400W x 2000H (42U) x 1200D, 100H Base Plinth, Top Cover with cutout, Bottom cover, Front &amp; Rear Plinth Door with 3-point locking system &amp; swing handle, depth rails at top &amp; bottom as per drawing &amp; Accessories.</b>	No	1				
	<b>Color Shade : RAL 9005 Txt</b>						
50.	Top Cable Gland - Roxtec Comseal	No	1				
51.	Emergency Exhaust Fan Kit on Rear Door	Nos	4				
52.	Low Side Works for Air-Condition System (20 mtrs dist b/n indoor & outdoor for each 7kW Cooling Unit)	Sets	2				
53.	Supply of Cable Trough of size: 300W x 60H mm with Cover Lid & necessary accessories for fixing.	Mtrs	20				
54.	<b>Environmental Monitoring System - EMS</b>	set	1				
55.	<b>Rack Based Fire Detection, Extinguishing System</b> Rack Mount Self-contained Fire Detection & Suppression System designed to protect Server Racks with FK-5-1-12 Agent with Optical Smoke Detectors in Cross Zoning, Cylinder, Actuator, MS Piping kit, Nozzle & releasing circuit	set	1				
56.	<b>VESDA System</b> Aspiring Fire Detection System (VESDA) complete with powersupply unit, Capillary Sampling Points & other accessories	Set	1				
57.	<b>Rack Based Access Control System</b>	set	2				
58.	<b>Ultrasonic Rodent Repellent System</b>	Set	1				
59.	<b>Electrical Distribution Boards &amp; Cabling Works</b>						
60.	Raw Power DB : 19" Rack Mountable Raw Power Distribution Panel with Incomer breaker, outgoing breakers for Cooling Units, UPS System, Rodent Repellant, status light etc.	No	1				
61.	UPS O/P DB : 19" Rack Mountable UPS O/P Distribution Panel (3U) with Incomer breaker, outgoing breakers for Rack PDU's etc.	Nos	2				



S. No	Item Description	UOM	Qty.	HSN Code	Unit Rate (In Rs.)	GST Cost (In Rs.)	Total Cost (In Rs.)
62.	Electrical Lowside Cabling & Termination Works	Lot	1				
63.	<b>Security Alerts</b>						
64.	2 Nos. CCTV camera (for front & rear of Rack row monitoring) with 4 channel NVR with power cables, Storage - 1TB HDD, CAT 6 cable & PVC conduit.	Set	1				
65.	Mobile SMS & E-mail Alerts	Set	1				
66.	<b>Logistics, Unloading, Installation &amp; Commissioning Works</b>						
67.	Transportation & Unloading Costs	Lot	1				
68.	Project Management Costs	Lot	1				
69.	<b>In-Rack Air-Condition System with 1 Year Warranty (N+N).</b>	Nos	2				
70.	<b>VESDA SYSTEM</b> Supply, installation, testing & commissioning of laser based Early warning smoke detection system control Panel for ceiling void, room void and false floor void with Display, Power supply & all required accessories · Laser Focus Smoke Detection System suitable for 500 sqft area with single inlet suction system for Data centre and Utility room - U/L listed / approved .Make : Xtralis / VLF 250						
71.	Flush Capillary Sampling Point (Union and adaptor, 1.5m Capillary Tube & Sampling Point)	Set	3				
72.	End Cap for large bore pipes, 25 mm	LOT	3				
73.	24 VDC Power Supply Unit for Panel	Nos	1				
74.	Electronic Hooter	Nos.	1				
75.	Copper cable of 2c x 1.0 sqmm Armored type	Mtr					
76.	Sampling tubes PVC SCH.40, 19 mm internal dia & 2mm dia. sampler holes drilled at 3mts.interval (burrs shall be removed ) and proper pipe supports at every 1.5 mts interval, end caps, Tees, Bends etc. complete. The pipes shall be connected in such a way that all joints shall be air tight.	Mtr					
77.	<b>Installation and Commissioning Charges</b>	Job	1				
78.	<b>Fire Alarm</b> cum Gas release Panel - 02 Zone microprocessor based analog Addressable Fire Panel with LCD Display based with conventional Gas release system alongwith fire Alarm Detection systems with 12 hrs Battery Backup	Nos	1				
79.	Conventional Photoelectric smoke Detector	nos	10				
80.	Response indicator	no					





S. No	Item Description	UOM	Qty.	HSN Code	Unit Rate (In Rs.)	GST Cost (In Rs.)	Total Cost (In Rs.)
81.	Manual Release Switch (One for Datacentre and one for UPS room to be fixed outside the room )	no	1				
82.	Manual Abort Switch (One for Data centre and one for UPS room to be fixed outside the room )	no	1				
83.	Hooter Cum Strobe	no	1				
84.	2-core, 1.5 sq. mm. copper armoured cable	mtrs					
85.	RELAY / Monitor Module	nos	0				
86.	Installation and Commissioning Charges	job	1				
87.	Water Leak Detection System FOUR Zone Digital Water Leak detection system control Panel with LCD Display, Power supply, battery backup, built in zone module & all required accessories . The panel should have the capability to be integrated to the Intelligent Fire Alarm System.	Nos.	1				
88.	Water leak sensing cable 5 mtrs mtrs. long, mechanically strong, resistant to corrosion and abrasion. The cable shall be constructed with two sensing wires,an alarm signaling wire and an continuity wire and all shall be PVC twisted pair stainless 316 elements - Model WD-CS / SONTAY	Mtr.					
89.	Electronic Hooter for water sensing indication.	Nos	1				
90.	2 core 1.0 sq mm Shielded, PVC Insulated Cu Cable for signal	Mtr.					
91.	Installation and Commissioning Charges	JOB	1				
92.	<b>Rodent Repellent System</b> : Digital type Microprocessor based Rodent Repellent systems / Micro pressor Based Master Console capable of connecting to 12 Satellites. With AUTO Frequency control	Nos.	1				
93.	Satellite Units complete as per the specification & accessories required	Nos.	30				
94.	Electronic Hooter for water sensing indication.	Nos	1				
95.	supply of 2 core 1.0 sq.mm Shielded copper flexible cable with PVC Insulated for signal	Mtr.					
96.	Installation and Commissioning Charges	JOB	1				
97.	<b>CCTV Camera's</b> - IR Dume type /IP Based 3 MP Day Night	Nos	6				
98.	Digital NETWORK VIDEO Recorder - 8 channel	Nos	1				
99.	Hardisk for 10 Terabite HD						
100.	Cat 6 cable for CCTV Camera in PVC conduit	mtrs					
101.	Installation and Commissioning Charges	Nos					





S. No	Item Description	UOM	Qty.	HSN Code	Unit Rate (In Rs.)	GST Cost (In Rs.)	Total Cost (In Rs.)
102.	<b>Access Control System:</b> IP Based Biometric access control reader for server room having option with bio access & face reorganization and access card and key pad	Nos	2				
103.	Push Button for exit	Nos	2				
104.	Emergency Break glass with switch for DC room	Nos	2				
105.	Attendance management and access control software	Nos	1				
106.	Single leaf magnetic lock of 600 lbs	Nos	2				
107.	Power supply for magnetic locks	Nos	2				
108.	Access card	Nos	10				
109.	8CORE 1 SQMM control in PVC conduit	mtrs					
110.	Installation and Commissioning Charges	Nos	1				
111.	<b>Civil Work RAISED FLOOR</b>	Job	1				
112.	Tiles Lifting puller	Nos	2				
113.	STEPS / ramp using ms plate of size 1000 x900 mm width / depend on door size	LS	1				
114.	False ceiling	Job	1				
115.	Double leaf Fire Retardant Door for Datacentre supply and fixing of fire rated Metal door, powder coated including all fitting. FIRE DOORS	Nos	1				
116.	MS angle support for Fire door alongwith partition for strengthens and to avoid vibrations	Nos	1				
117.	Providing and Creating 125 mm zipsum wall partition-full height by using 12.5 mm fire zyp board in both side	Job	1				
118.	Closing the three-window using Brick work & cement plaster	Job	1				
119.	Smoothing the wall partitions with putty and CEMENT primers	Job	1				
120.	Applying Fire Retargent paint on server inside walls three coats in Datacentre	Job	1				
121.	Providing and applying acrylic plastic emulsion paint of approved make and shade	Job	1				
<b>ELECTRICAL Distribution system</b>							
122.	INCOMER MCB -63 amp -01 AND OUTGOING -MCB 32A -03	Nos	2				
123.	POWER Cable size of 4Cx35 sqmm Al Arm . 1100 Volt for PAC -1& 2	Mtrs.	60				
124.	Power Cable size of 4Cx16 sqmm Cu Armd 1100 volt from UPS OP TO DC ROOM	Mtrs.	150				



S. No	Item Description	UOM	Qty.	HSN Code	Unit Rate (In Rs.)	GST Cost (In Rs.)	Total Cost (In Rs.)
125.	FRLS Cable of size 3Rx10 sqmm Cu flexible from UPS PDU to Auxiliary POWER DB	Mtrs.	15				
126.	FRLS Cable of size 3Rx 4 sqmm Cu flexible for FIRE SAFETY AND distributions	Mtrs.	30				
127.	UPS Power Distribution Board / Three phase vertical Wall mounted DB in Datacentre room with Input Breakers of 63 amp MCB and Output MCB'S, SP-32 amp x 10 nos. All MCB has to be D type	Nos	2				
128.	Surge Protection device 3phase, B+C type to be fitted inside UPS OP DB	Nos	2				
129.	EMERGENCY UPS Power Distribution Board /single Phase wall mounted with Input Double pole Breakers of 32 amp and Output MCB'S, SP-16 amp x 10 nos.	Nos	1				
130.	UPS points with 6/16A, round 5pin with complete cabling in pvc conduit, switch and sockets including, GI Box, modular plate, wiring 3x2.5 sqmm wire in conduit controlled by 10 amp SP MCB for Fire safety	Nos	12				
131.	Light points alongwith ON/OFF switches board for individual ckt on each room along with wiring of size 3x2.5 copper FRLS flexible wire in PVC conduit to be integrated with existing main ckt	Nos	12				
132.	Emergency Light points alongwith ON/OFF switches board for individual ckt on each room alongwith wiring of size 3x2.5 copper FRLS flexible wire in PVC conduit to be controlled from Emer DB	Nos	6				
133.	Power switch box with ON/OFF switches and Power socket of 16 amp, GI Box within room with PVC Conduit with copper FRLS cable of size 3x4 sqmm cu cable	Nos	4				
134.	Lighting fixtures 600x600mm size with ceiling supporting alongwith energy efficient fixture - LED panel -	Nos	20				
135.	Emergency Lighting fixtures / downlighter with ceiling supporting alongwith energy efficient fixture - LED panel	Nos	8				
136.	GI CABLE TRAY of size 250X40x2 MM wide / along with necessary- fitting material for 50 mm height from floor, coupler plates, nuts, bolts and washers etc	Mtrs.	12				
137.	GI Cable Raceways of size 200X50 MM wide / along with necessary- fitting material for 50 mm height from floor, coupler plates, nuts, bolts and washers etc	Mtrs.	15				



S. No	Item Description	UOM	Qty.	HSN Code	Unit Rate (In Rs.)	GST Cost (In Rs.)	Total Cost (In Rs.)
138.	GI Cable Raceways of size 75X50 MM wide / along with necessary- fitting material for 50 mm height from floor , coupler plates, nuts, bolts and washers etc -Networking	Mtrs.	15				
139.	GI pipe 40 mm size from UPS room for under grounding to lay the cable	Mtrs.	15				
140.	04 nos of CHEMICAL Earthing system / Maintenance free for IT racks and UPS output till Server Racks , with 17 MM Dia BONDED COPPER ROD , 3 mtrs depth with CI cover and ground enhancement materials	Nos	4				
141.	Copper earthing cable of size 10 sqmm copper flexible	Mtrs.	50				
142.	Copper earthing cable of size 6 sqmm copper flexible	mtrs	100				
143.	GI earthing strip - 25x6 mm	mtrs	60				
144.	Earthing GI wire 8 gauge along with Armrd cable from electrical panel room to UPS and PAC	mtrs	50				
145.	Powder coated Earthing Junction Box strip with copper strip 40x6 mm size from earth pit to Server room and UPS room	mtrs	1				
146.	AMP 24 Port Patch panel with IO	no	4				
147.	AMP Cat 6 patch cord (1 mtr, 2 mtr, 5 mtr)	no	80				
148.	TESTING AND COMMISSIONING	Job	1				
149.	Server Room Networking and Existing Network cable rerouting	Job	1				

**Note:** i) **BIDDER** to submit Price-BID as per the aforementioned format only.

ii) BOM mentioned above are tentative. Final Qty to be finalized with rep of IT Dept. at BAPL Lucknow in pre bid meeting prior to submission of Technical Bid to BAPL, New Delhi.



**2025-00052A**

**TENDER ID**

**LAST DATE OF SUBMISSION**

**10-Oct-25 1100 HRS**

**TENDER BOX  
NO.**

**2**

**TENDER FOR**

**SITC OF DATA CENTRE FACILITY INCLUDING CIVIL &  
ELECTRICAL WORKS & VIDEO CONFERENCING  
SYSTEM AT BRAHMOS COMPLEX, LUCKNOW**

**RFP NO.**

**BM/Contracts/339/OTE/DC-  
LKO/120925/01**

**RFP DATE**

**23.09.2025**

**VENDOR**

**VENDOR SEAL**

**TENDER OPEN DATE**

**10-Oct-25  
1430 HRS**

**NOTE: THE BID (SINGLE / 2-BID) SHOULD BE PUT IN ONE ENVELOPE AND THIS PROFORMA SHOULD BE PASTED ON TOP. THE TENDER (SEALED ENVELOPE) SHOULD BE DROPPED IN THE BOX (BOX NO. SHOWN AT THE TOP RIGHT CORNER) ONLY, WITHIN THE LAST DATE OF SUBMISSION.**

