

**GOVERNMENT OF INDIA
DEPARTMENT OF SPACE
ISRO TELEMETRY TRACKING & COMMAND NETWORK (ISTRAC)
BANGALORE**

Tender for Server Room Integration Elements

Bids to be submitted online

Tender No.: ISTRAC/ISTRAC PURCHASE/TR202200003201 dated 16-01-2023

A. Tender Details

Tender No :	ISTRAC/ISTRAC PURCHASE/TR202200003201
Tender Date :	16-01-2023
Tender Classification:	GOODS
Purchase Entity :	ISTRAC PURCHASE
Centre :	ISRO TELEMETRY TRACKING & COMMAND NETWORK (ISTRAC)

Server Room Integration Elements

Note: 1) This is a Public Tender (Dual Part). Please submit your Offers separately for Technical and Price Bid under relevant Template. Please upload Prices under Price Bid only and nowhere else. If price is mentioned anywhere other than Price Bid, your offer will not be considered. 2) Please provide your compliance separately for (a) Security Deposit Clause (b) Performance Bank Guarantee Clause Liquidated Damages Clause (c) Security Deposit cum Performance Bank Guarantee (SD cum PBG) Clause (d) DELAY IN COMPLETION / LIQUIDATED DAMAGES (e) Certificate of Undertaking.

A.1 Tender Schedule

Bid Submission Start Date :	16-01-2023 17:00
Bid Clarification Due Date :	16-02-2023 17:00
Bid Submission Due Date :	01-03-2023 17:00
Bid Opening Date :	02-03-2023 10:00
Price Bid Opening Date :	09-03-2023 10:00

B. Tender Attachments

NA

Instructions To Vendors

1. INSTRUCTIONS TO TENDERERS FOR ONLINE SUBMISSION OF TENDERS THROUGH E-PROCUREMENT SYSTEM

1. a) Bidders shall arrange themselves all resources, including Digital signature certificates and Internet Connections at their own cost, for participating in online tendering.
- b) Vendors can download the tender details and submit their offers online using their vendor accounts (obtained during registration) in our portal. Help demos for tender download and bidding processes are given on home page.
- c) The tender should be submitted online in the ISTRAC link before the due date and time as specified in the tender schedule in the portal.
- d) Vendors shall also take note of other Instructions to tenderers indicated in the tender documents.

2. Conditions for online submission of tenders:

- a) It is mandatory for interested parties to register as vendors in our e-procurement portal <https://eproc.vssc.gov.in/home.html> for participating in online eProcurement process of ISRO. Only registered vendors can submit their offers online in our eProcurement portal.
- b) Vendors who are already registered in the existing EGPS software of ISRO, please register by clicking the link in the email you would have already received from 'eproc@vssc.gov.in'. After registration, do the profile update by login to this portal.
- c) For new vendors, who are not registered in the existing EGPS software, vendor registration will be released along with the portal release. To register as vendors please refer to the help demos listed on the home page of the e-procurement link mentioned above. They may approach help desk (contact details provided on the home page) for any technical help for registration and subsequent process.
- d) OEM details should be added in your E-Procurement profile under Add Agent/Principal without fail.

3. ISTRAC shall not be responsible for failure of vendors in submitting bids online caused due to technical reasons at vendor end such as network or power failures, computer failure, internet-browser, mistakes / errors in filling the bids on line by vendor etc.

4. Procedure for seeking clarifications/help for the tender:

- a) All enquiries regarding the tenders and submission of offers shall be online and only through our eProcurement portal.
- b) Vendors may approach help desk e-mail id and phone number given on the home page for any technical help (e-mail: eproc@vssc.gov.in and Phone: +91471 2565454/4574/2527/3753/3289).

5. Queries by vendors on technical problems on the last day of tender will not be binding on ISTRAC/ISRO for resolving/addressing. ISTRAC will not be responsible for non-submission of bids for those cases.

2. PROFORMA FOR INSTRUCTIONS TO TENDERERS AND TERMS & CONDITIONS OF TENDER

1. a) All available technical literature, catalogues and other data in support of the specifications and details of the items should be furnished along with the offer.
- (b) Samples, if called for, should be submitted free of all charges by the tenderer and the Purchaser shall not be responsible for any loss or damage thereof due to any reason whatsoever. In the event of nonacceptance of tender, the tenderer will have to remove the samples at his own expense.
- (c) Approximate net and gross weight of the items offered shall be indicated in your offer. If dimensional details are available the same should also be indicated in your offer.
- (d) Specifications: Stores offered should strictly confirm to our specifications. Deviations, if any, should be clearly indicated by the tenderer in his quotation. The tenderer should also indicate the Make/Type number of the stores offered and provide catalogues, technical literature and samples, wherever necessary, along with the quotations. Test Certificates, wherever necessary, should be forwarded along with supplies. Wherever options have been called for in our specifications, the tenderer should address all such options. Wherever specifically mentioned by us, the tenderer could suggest changes to specifications with appropriate response for the same.

2. ACCEPTANCE OF STORES: (a) The stores shall be tendered by the Contractor for inspection at such places as may be specified by the purchaser at the Contractor's own risk, expense and cost. (b) It is expressly agreed that the acceptance of the stores Contracted for, is subject to final approval by the purchaser, whose decision shall be final. (c) If, in the opinion of the purchaser, all or any of the stores do not meet the performance or quality requirements specified in the Purchase Order, they may be either rejected or accepted at a price to be fixed by the purchaser and his decision as to rejection and the prices to be fixed shall be final and binding on the Contractor. (d) If the whole or any part of the stores supplied are rejected in accordance with Clause No. (c) above, the purchaser shall be at liberty, with or without notice to the Contractor, to purchase in the open market at the expense of the Contractor stores meeting the necessary performance and quality Contracted for in place of those rejected, provided that either the purchase, or the agreement to purchase, from another supplier is made within six months from the date of rejection of the stores as aforesaid.

3. ARBITRATION : All disputes, differences, claims and demands arising under or pursuant to or touching this agreement shall be referred to Arbitration of a sole Arbitrator to be appointed by the Director, ISTRAC, whose decision/award will be final and binding on both the parties. Such arbitration shall be held in Bangalore and shall be subject to and governed by the provisions of the Arbitration and Conciliation Act of 1996 or any statutory modification or re-enactment thereof. The language to be used in Arbitration is English only.

4. As a Government of India Department, this office is exempted from payment of Octroi and similar local levies. Tenderers shall ensure that necessary Exemption Certificates are obtained by them from the Purchase Officer concerned to avoid any payment of such levies.
5. a) Your offer should be valid for 120 days from the date of opening of the tender. b) Prices are required to be quoted according to the units indicated in the annexed tender form. When quotations are given in terms of units other than those specified in the tender form, relationship between the two sets of units must be furnished.
6. CUSTOMS DUTY : This office is eligible for Concessional Customs Duty @ 5.5% against Ministry of Finance, Department of Revenue, Government of India, vide Customs Notification No.51/96-Cus Dated 23-07-1996 (Sl.No.1) and amended under Notification No.93/96 dated 11th December 1996 and 24/2002 dated 01-03-2002
7. DESPATCH: The Contractor is responsible for obtaining a clear receipt from the Transport Authorities specifying the goods despatched. The consignment should be despatched with clear Railway Receipt/Lorry Receipt. If sent in any other mode, it shall be at the risk of the Contractor. Purchaser will take no responsibility for short deliveries or wrong supply of goods when the same are booked on 'said to contain' basis. Purchaser shall pay for only such stores as are actually received by them in accordance with the Contract.
8. TAXES: GST is payable as per applicable rates.
9. GUARANTEE & REPLACEMENT: (a) The Contractor shall guarantee that the stores supplied shall comply fully with the specifications laid down, for material, workmanship and performance. (b) Warranty shall be for the period mentioned in the tender document. After the acceptance of the stores, if any defects are discovered therein or any defects therein found to have developed under proper use, arising from faulty stores design or workmanship, the Contractor shall remedy such defects at his own cost provided he is called upon to do so within the warranty period, by the purchaser who shall state in writing in what respect the stores or any part thereof are faulty. (c) If, in the opinion of the purchaser, it becomes necessary to replace or renew any defective stores such replacement or renewal shall be made by the Contractor free of all costs to the purchaser, provided the notice informing the Contractor of the defect is given by the purchaser in this regard within the said period of warranty from the date of acceptance thereof. (d) Should the Contractor fail to rectify the defects, the purchaser shall have the right to reject or repair or replace at the cost of the Contractor the whole or any portion of the defective stores. (e) The decision of the Purchaser notwithstanding any prior approval or acceptance or inspection thereof on behalf of the Purchaser, as to whether or not the Stores supplied by the Contractor are defective or any defect has developed within the said period of warranty or any other period or as to whether the nature of defects requires renewal or replacement, shall be final, conclusive and binding on the Contractor. (f) To fulfill guarantee conditions outlined in (a) to (e) above, the Contractor shall, at the option of the Purchaser, furnish a Bank Guarantee (as prescribed by the

Purchaser)

10. If the IGST is applicable, the same will be reimbursed if it is reflected in Bill Of Entry. Proof shall be provided while claiming payment.

11. It is to be noted that either Customs Duty or GST is applicable (any one)

12. JURISDICTION : The contract/ purchase order shall be governed by an interpreted and construed in accordance with the laws of India. The courts situated at Bangalore only shall have jurisdiction to deal with and decide any legal matter or dispute arising out of contract/ purchase order.

13. PACKING FORWARDING & INSURANCE: The Contractor will be held responsible for the stores being sufficiently and properly packed for transport by rail, road, sea or air to withstand transit hazards and ensure safe arrival at the destination. The packing and marking of packages shall be done by and at the expense of the Contractor. The purchaser will not pay separately for transit insurance, all risks in transit being exclusively of the Contractor and the Purchaser shall pay only for such stores as are actually received in good condition in accordance with the Contract.

14. Please provide your compliance for Security Deposit, Performance Bank Guarantee and Liquidated Damages Clause.

15. PRICES: Tender offering firm prices will be preferred. Where a price variation clause is insisted upon by a tenderer, quotation with a reasonable ceiling should be submitted. Such offers should invariably be supported by the base price taken into account at the time of tendering and also the formula for any such variation/s.

16. REJECTED STORES: Rejected stores will remain at destination at the Contractor's risk and responsibility. If instructions for their disposal are not received from the Contractor within a period of 14 days from the date of receipt of the advice of rejection, the purchaser or his representative has, at his discretion, the right to scrap or sell or consign the rejected stores to Contractor's address at the Contractor's entire risk and expense, freight being payable by the Contractor at actuals.

17. Sales Tax and/or other duties/levies legally leviable and intended to be claimed should be mentioned in the price bid template. If nothing is mentioned, then it will be presumed that the rate quoted is inclusive of all taxes/duties.

18. SECURITY DEPOSIT: Wherever, the Purchase Order value is Rs. 5.00 Lakhs or more, on acceptance of the tender, the Contractor shall, at the option of the Purchaser and within the period specified by him, deposit with him, in cash or in any other form as the Purchaser may determine, security deposit not exceeding ten percent of the value of the Contract as the Purchaser shall specify. If the Contractor is called upon by the Purchaser to deposit, 'Security' and the Contractor fails to

provide the security within the period specified, such failure shall constitute a breach of the Contract, and the Purchaser shall be entitled to make other arrangements for the re-purchase of the stores Contracted at the risk of the Contractor in terms of Sub-Clause (ii) and (iii) of clause regarding Delivery. (b) hereof and/or to recover from the Contractor, damages arising from such cancellation.

19. SETTLEMENT OF DISPUTES : Except as otherwise specifically provided in the contract, all disputes concerning question of fact arising under the Contract shall be decided by the Purchaser subject to a written appeal by the Contractor to the Purchaser whose decision shall be final to the parties hereto. Any disputes or differences including those considered as such by only one of the parties arising out of or in connection with the Contract shall be, to the extent possible, settled amicably between the parties. If amicable settlement cannot be reached, then all disputes shall be settled by arbitration.

20. TERMS & CONDITIONS OF TENDER

21. TEST CERTIFICATE: Wherever required, test certificates should be sent along with the despatch documents.

22. The authority of the person signing the tender, if called for, should be produced.

23. The Purchaser reserves the right to place order on the successful tenderer for additional quantity up to 25% of the quantity offered by them at the rates quoted.

24. The purchaser shall be under no obligation to accept the lowest or any tender and reserves the right of acceptance of the whole or any part of the tender or portions of the quantity offered and the tenderers shall supply the same at the rates quoted.

25. The tenderer should supply along with his tender, the name of his bankers as well as the latest Income-Tax clearance certificate duly countersigned by the Income-Tax Officer of the Circle concerned under the seal of his office, if required by the Purchaser.

26. The term Contractor shall mean, the person, firm or company with whom or with which the order for the supply of Stores is placed and shall be deemed to include the Contractor's successors, representative, heirs, executors and administrators unless excluded by the Contract.

27. The term Purchase Order shall mean the communication signed on behalf of the Purchaser by an Officer duly authorised intimating the acceptance on behalf of the Purchaser on the terms and conditions mentioned or referred to in the said communication accepting the tender or offer of the Contractor for supply of stores or plant, machinery or equipment or part thereof.

28. The term Purchaser shall mean the President of India or his successors or assigns.

29. The term "Stores" shall mean what the Contractor agrees to supply under the Contract as specified in the Purchase Order including erection of plants & machinery and subsequent testing, should such a condition is included in the Purchase Order.

3. TENDER TERMS AND CONDITIONS

1. All information in Vendor Specified Terms shall be provided without fail to avoid unnecessary correspondence / delay in process. The same should reach before technical bid opening date and time without fail.

2. As per Rule 144(xi) of General Financial Rules, 2017, any bidder from a country which shares 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 (i.e., Department for Promotion of Industry and Internal Trade) in line with Order (Public Procurement No. 1, 2 and 3) dated 23/07/2020 and 24/07/2020 or any amendments thereon issued by the Public Procurement Division, Department of Expenditure, Ministry of Finance. Hence, Vendors or Agents of a Vendor (Indian or Others) from a country sharing border with India shall submit the copy of Valid Registration made with DPIIT along with the tender mandatorily, without which the offer will be treated as invalid.

3. a) Order no: F.No.6/18/2019 PPD dated 23.07.2020 of Department of Expenditure), Ministry of Finance Under Public procurement division for the General Financial rule (GFRs).

4. b) Class I local supplier means a supplier or service provider, whose goods, service or works offered for procurement, has local content equal to or more than 50%, as defined under order.

5. c) Class II local supplier means a supplier or service provider, whose goods, services or works offered for procurement, has local content more than 20% but less than 50%, as defined under this Order.

6. d) Bidders offering imported products will fall under the category of Non-local suppliers. They cannot claim themselves as Class I Local suppliers/Class II Local suppliers by claiming the services such as transportation, insurance, installation, commissioning, training and after sales service support like AMC/CMC etc. as local value addition.

7. e) Verification of local content: i) The Class I local supplier/ Class II local supplier at the time to tender, bidding or solicitation shall be required to indicate percentage of local content and provide self certification that the item offered meets the local content requirement for Class I local supplier / Class II local supplier as the case may be. They shall also give details of the location(s) at which the local value addition is made.

8. A supplier who has been debarred by any procuring entity for violation of this order shall not be eligible for preference under this order for procurement by any other procuring entity for the duration of the debarment. The debarment for such other procuring entities shall take effect prospectively from the date on which it comes to the notice of other procurement entities, in the manner prescribed.

9. Delivery Terms: FOR ISTRAC

10. GENERAL TERMS & CONDITIONS FOR BIDDERS: For this procurement, bids from Class I, class II and Non-Local Suppliers are admissible. Provisions contained in Public Procurement (Preference to Make in India), Order 2017 issued by Department for Promotion of Industry and Internal Trade (DIPP), Ministry of Commerce & Industries vide letter No. P 45021/2/2017 PP(BE II) dated 04.06.2020 and subsequent amendment & directives shall be followed. Accordingly, offer will be evaluated & processed in conformation with above referred GOI order (Specially mentioned below). The bidder shall provide compliance and undertaking as per order and hereafter amendments:

11. If an agent submit bid on behalf of the principal/OEM, the same agent shall not submit a bid on behalf of another principal/OEM in this tender for the same item. If submitted, all offers will be liable for rejection.

12. iii) False declarations will be in breach of the code of Integrity under Rule 175(1)(i)(h) of the General Financial Rules (GFR) for which a bidder or its successors can be debarred for up to two years as per Rule 151 (iii) of the general Financial Rules along with such other actions as may be permissible under Law.

13. ii) In case bid value is in excess of Rs. 10 Cr., 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.

14. In case the bidders propose any other payment terms in deviation with the standard terms mentioned in the tender enquiry, it may be noted that applicable cash flow implications will be loaded on the prices quoted for commercial comparison of the offers. If advance payments are insisted by the bidders, interest at the rate of MCLR (Marginal Cost Linked Rate) as notified by State Bank of India from time to time shall be loaded on the prices for price comparison.

15. In this tender either the Indian agent on behalf of the principal/OEM or the principal /OEM itself can bid, but both cannot bid simultaneously for the same item. Indian agents while quoting on behalf of their principals shall provide necessary latest authorisation letter obtained from their principals/manufacturers.

16. Liquidated damages: If the vendor fails to deliver the items on or before the delivery date, or any

extension thereafter purchaser shall recover from the vendor as liquidated damages a sum of 0.5% of the contract price of the undelivered stores for each calendar week of delay. The total liquidated damages shall not exceed 10% of the contract price of the unit or units so delayed.

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

18. Model Certificates for Tenders for Work involving possibility of sub contacting: I have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India and on sub contracting to contracting from such countries I certify that this bidder is not from such a country or, if from such a country, has been registered with the Competent Authority and will not sub contract any work to a contract from such countries unless such contractor is registered with the Competent Authority. I hereby certify that this bidder fulfills all requirements in this regard and is eligible to be considered. Provide Compliance for the above in Vendor Specified Commercial Terms.

19. NO EMD AND TENDER FEE.

20. Performance Bank Guarantee (PBG) to be furnished as a security for fulfilment of warranty obligations by the successful vendor after satisfactory execution of purchase order/Contract (3% of the value of the purchase order/Contract). Central SUs/PSE/Autonomous bodies are exempted from the production of Performance Bank Guarantee. Instead; an indemnity bond shall be furnished in lieu of PBG.

21. Product Scope: Class I local supplier/ Class II local supplier shall offer only standard and catalogued product for Equipment / Spares Cards / assemblies. If the above offered Equipment / Cards / Assemblies are under development / to be developed the bid will not be considered.

22. PUBLICITY: No publicity of any kind whatsoever in case of PURCHASE ORDER shall be given by the Supplier without prior permission of the Purchaser.

23. SECRECY: The technical information, drawings, specifications and other related documents, forming part of the CONTRACT, are the property of the Purchaser and shall not be used for any other purpose, except for execution of the CONTRACT. All rights, including rights in the event of grant of patent and registration of designs are reserved. The technical information, drawings, specifications, records and other documents shall not be copied, transcribed, traced or reproduced in any other form or otherwise in whole and/or duplicated, modified, divulged and/or disclosed to a third party nor misused in any other form whatsoever without Purchasers consent in writing except to the extent required for the execution of this CONTRACT. These technical informations, drawings, specifications and other related documents shall be returned to the Purchaser with approved copies and duplicates, if

any, immediately after they have been used for the agreed purpose.

24. Senior Purchase and Stores Officer, ISTRAC, reserves the right to accept or reject any/or all the tenders in part or full without assigning any reasons thereof.

25. Submit the bid on or before due date.

26. Successful vendor has to submit the security deposit. (3 % of the value of the purchase order). Central PSUs/PSE/Autonomous bodies shall be exempted from the payment of security deposit, and instead, an indemnity bond shall be secured from them.

27. VENDORS HAS TO REFLECT THE POINT NO (4), (5) AND (6) IN THEIR BID.

28. TAXES: GST is payable as per applicable rates.

4. CERTIFICATE OF UNDERTAKING

1. A certificate from the bidder shall be enclosed along with their quotation (Technical bid) as per the format enclosed.

2. An AGENT is a person employed to do any act for another, or to represent another in dealings with third person.

3. Any bidder from a country which shares a land border with India will be eligible to bid in this tender only if the bidder is registered with the Competent Authority. (Competent authority is : DEPARTMENT FOR PROMOTION OF INDUSTRY AND INTERNAL TRADE (DPIIT)).

4. (b)Control shall include the right to appoint majority of the directors or to control the management or policy decisions including by virtue of their shareholding or management rights or shareholders agreements or voting agreements.

5. Bidder from a country which shares a land border with India for the purpose means:

(a)An entity incorporated, established or registered in such a country; or

(b)A subsidiary of an entity incorporated, established or registered in such a country; or

(c)An entity substantially controlled through entities incorporated, established or registered in a such a country; or

(d)An entity whose beneficial owner is situated in such a country; or

(e)An Indian (or other) agent of such an entity; or

(f)A natural person who is a citizen of such a country; or

(g)A consortium or joint venture where any member of the consortium or joint venture falls under any of the above.

6. BIDDER (including the term tenderer, consultant or service provider in certain contexts) means any person or firm or company, including any member of a consortium or joint venture (that is an association of several persons, or firms or companies), every artificial juridical person not falling in any of the descriptions of bidders stated hereinbefore, including any agency branch or office controlled by such person, participating in a procurement process.

7. CERTIFICATE

8.

COMPANY NAME AND SEAL:

9. DESIGNATION:

10. Explanation:

(a)Controlling Ownership interest means ownership of or entitlement to more than twenty-five per cent of shares or capital or profits of the company;

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DEPARTMENT OF SPACE

ISTRAC, BENGALURU: 560 058.

12. iii)In case of an unincorporated association or body of individuals, the beneficial owner is the natural person(s), who, whether acting alone or together, or through one or more juridical person, has ownership of or entitlement to more than fifteen percent of the property or capital or profits of such association or body of individuals.

13. (iii).I/We _____hereby undertake that if the Certificate is found to be false at any given time ISRO/ISTRAC may treat this as a ground for immediate termination and further legal action in accordance with law can be initiated.

14. ii) In case of a partnership firm, the beneficial owner is the natural person(s) who, whether acting alone or together, or through one or more juridical person, has ownership of entitlement to more than fifteen percent of capital or profits of the partnership.

15. (ii). I/We hereby confirm that the country of origin of goods is _____

16. i) In case of a company or Limited Liability Partnership, the beneficial owner is a natural person(s), who, whether acting alone or together, or through one or more juridical person, has a controlling ownership interest or who exercises control through other means.

17. (i). I/WE _____ read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India. I / We _____ Certify that this bidder is not from such a country.

18. iv) Where no natural person is identified under (i) or (ii) or (iii) above, the beneficial owner is the relevant natural person who holds the position of senior managing official.

19. I / We _____ Certify that this bidder is from such a country and registered with the Competent Authority (i.e. Registration Committee constituted by the Department for Promotion of Industry and Internal Trade (DPIIT). Copy of Registration Certificate is enclosed.

20. NAME:

21. OR*

I/We _____ read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India.

22. Ref:Tender No _____ date _____

Our Quotation No. _____ date _____

23. REQUIREMENT OF REGISTRATION:

24. SIGNATURE:

25. (* Strike out whichever is not applicable).

26. Subject: Restrictions under Rule 144 (xi) of the General Financial Rules (GFRs) 2017 - reg.

27. The beneficial owner for the purpose of (6) above will be as under:

28. (TO BE PRINTED ON THE LETTER HEAD OF THE VENDOR)

29. v) In case of a trust, the identification of beneficial owner(s) shall include identification of the author of the trust, the trustee, the beneficiaries with fifteen percent or more interest in the trust and any other natural person exercising ultimate effective control over the trust through a chain of control or ownership.

C. Bid Templates

C.1 Technical Bid - Server Room Integration Elements

1. 16 port KVM over IP switches

2. Managed Non-IP KVM Switch

3. Rack mount Monitor +Keyboard

Item specifications for Rack mount Monitor +Keyboard

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	Display Type	1 U industrial grade foldable KVM 19" display. The display should be 19" size foldable and mountable on the 19" rack rail	Yes / No / Explain		
2	Resolution	1280X 1024 pixel with the view angle - 85~85(H);-85~85(V) with 16.7 million colours.	Yes / No / Explain		
3	Keyboard	The foldable display should have a 88 key keyboard, dual key mouse with the integrated touch pad with 17 key numerical pad.	Yes / No / Explain		
4	Accessories	Wireless optical Mouse and Keyboard combo	Yes / No / Explain		
5	Temperature	Operating temp- 0°C~50°C (32F~122F) Storage temp- - 20°C~60°C (- 4F~140F)	Yes / No / Explain		

4. Automatic Transfer Switch (ATS)

Common Specifications (Applicable for all items)

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	Specifications for IP-KVM Switches: General Specification	<ul style="list-style-type: none"> •1RU with Rack mount kit. •Dual Power Supply. •The offered switches shall support upto minimum 5 concurrent users (Local and/or Remote user). •Shall be supplied with 16 numbers of KVM interface adapters. 	Yes / No / Explain		
2	Specifications for NON IP-KVM Switches: General Specification	<ul style="list-style-type: none"> •1RU with Rack mount kit. •Dual Power Supply. •The offered switches shall support upto minimum 2 concurrent local users. •Shall be supplied with 16 numbers of KVM interface adapters. •Vendor can quote IP-KVM for this requirement, if non-IP KVM is not available with the OEM. 	Yes / No / Explain		
3	Specifications for IP-KVM and NON-IP-KVM Switches: Supported Ports	<ul style="list-style-type: none"> •RJ-45 connectors for connecting up to 16 target devices. •USB port directly connects to a laptop for easy console operation •2 separate buses for one local console access and one remote over IP access •Dual 10/100/1000 Mbps NICs for redundant LAN or two IP operation •Supports PS/2, USB, Sun Legacy (13W3) and serial (RS-232) connectivity 	Yes / No / Explain		

4	Specifications for IP-KVM and NON-IP-KVM Switches: Supported Operating System for Hosts	<ul style="list-style-type: none"> •Supports multiplatform server environments: Windows, Mac, Sun, Linux and VT100 based serial devices •Virtual Media support lets to map DVD-CD-ROMs and other storage media to a remote server •Multiplatform client support (Windows, Mac OS X, Linux, Sun) 	Yes / No / Explain		
5	Specifications for IP-KVM and NON-IP-KVM Switches: Access Browser Support	<ul style="list-style-type: none"> •Multi-browser support: Internet Explorer, Chrome, Firefox, Safari, Opera, Mozilla, Netscape 	Yes / No / Explain		
6	Specifications for IP-KVM and NON-IP-KVM Switches: Cascading	<ul style="list-style-type: none"> •Dedicated port for Tiering/Cascading should be Available. •Supports Tearing (or cascading) up to 2 levels (base plus one lower level) through the Tearing/Cascade port, support up to minimum 200 servers •Minimum one Tearing chain port and one local port. The two ports shall be independent 	Yes / No / Explain		
7	Specifications for IP-KVM and NON-IP-KVM Switches: Supported Video Resolution	<ul style="list-style-type: none"> •High resolution – up to 1920 x 1200 @ 60Hz for local and remote sessions •Full-screen video display or scalable video display •Video quality and video tolerance can be adjusted to optimize data transfer speed; monochrome color depth setting, threshold and noise settings for compression of the data bandwidth in low bandwidth situations 	Yes / No / Explain		

8	Specifications for IP-KVM and NON-IP-KVM Switches:Controls	<ul style="list-style-type: none"> •Monitor and control up to 16 computers on a single level, or control up to 256 computers in a cascade •Panel Array Mode Or a Feature wherein all desktops of the Servers can be viewed in a grid manner on a single screen •Local Console, browser-based, and AP GUIs offer a unified multi-language interface to minimize the user training time and increase productivity 	Yes / No / Explain		
9	Specifications for IP-KVM and NON-IP-KVM Switches:User, Login, Session	<ul style="list-style-type: none"> •Up to 64 user accounts •Up to 5 concurrent logins •End session feature – administrators can terminate running sessions •Port Share Mode allows multiple users to gain access to a server simultaneously •It should have configurable user and group permissions for server access and control 	Yes / No / Explain		
10	Specifications for IP-KVM and NON-IP-KVM Switches:Notification, Log	<ul style="list-style-type: none"> •It should have event logging and Windows-based Log Server support •It should have critical system event notification via SMTP email; SNMP trap and Syslog support •Message Board for communication among remote users 	Yes / No / Explain		

11	Specifications for IP-KVM and NON-IP-KVM Switches: Firmware, BIOS, Patching	<ul style="list-style-type: none"> •It should be firmware upgradeable •It should have BIOS-level access •Virtual media enables file applications, OS patching, software installation and diagnostic testing •Works with USB enabled servers in the operating system and BIOS level •Support DVD/CD drives, USB mass storage devices, PC hard drives and ISO images 	Yes / No / Explain		
12	Specifications for IP-KVM and NON-IP-KVM Switches: Device Management	<ul style="list-style-type: none"> •It should have integration with Centralized Management Software over IPV4/V6 •It should have browser-based UI in pure Web technology allows administrators to perform administrative tasks without pre-installed Java software package required 	Yes / No / Explain		
13	Specifications for IP-KVM and NON-IP-KVM Switches: Security, Authentication	<ul style="list-style-type: none"> •It should have remote authentication support: RADIUS, LDAP, LDAPS, and MS Active Directory •It should supports min TLS 1.2 data encryption and RSA 2048-bit certificates to secure users log in from browser •It should have IP/MAC Filter for enhanced security protection 	Yes / No / Explain		
14	Specifications for IP-KVM and NON-IP-KVM Switches: keyboard and Mouse	<ul style="list-style-type: none"> •It should have keyboard pass-through support •On-screen keyboard with multi-language support •Supports both PS2 and USB Keyboard and Mouse 	Yes / No / Explain		

15	Specifications for IP-KVM and NON-IP-KVM Switches: KVM interface Adapter	<ul style="list-style-type: none"> •KVM adapters of the same OEM make with small form factor design, VGA and USB to Cat X out to connect target hosts to the KVM Switch. •Should support 30m distance. CAC and Virtual File transfer support. Auto Signal Compensation and Keyboard Mouse Emulation option •Each unit shall be Supplied with 16 nos of USB KVM interface adapters to connect Servers to the KVM Switch. 	Yes / No / Explain		
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16	Specifications for RKM Units: General Specifications	<ul style="list-style-type: none"> •19-inch Rack mountable, LED Display, Keyboard and Mouse •Shall be supplied with required Cables to connect the quoted KVM switch for Display. •Integrated KVM console with a 17" or Higher LED-backlit Widescreen HD LCD monitor in a single rail housing with sufficient top and bottom clearance for smooth operation in a 1U high •Response time <25ms, Brightness >190 (cd/m²), Contrast ratio >350:1 •Aspect Ratio: 16 x 10 aspect ratio. •Refresh rates: 60, 70, 72 and 75Hz •Adjustable depth to fit within the rack •Supports an external console with USB VGA connectors •Audio support for connecting speakers •Additional hot-pluggable USB mouse port on the front panel (also should function as USB peripheral port) •Standard 105-key keyboard with tracker and touch pad. •Keyboard Language: English (US); English (UK) •The offered KVM and RKM shall be from same OEM. •Power Supply rating: AC 120/230 V (50/60 Hz) 	Yes / No / Explain		
17	Specifications for RKM Units: Supported Ports	<ul style="list-style-type: none"> •Keyboard and Mouse extension over USB ports from KVM switch. •VGA/HDMI port to connect Display port of the KVM switch. 	Yes / No / Explain		

18	Specifications for RKM Units:Supported Video Resolution	<ul style="list-style-type: none"> •Video quality – up to 1280 x 1024 @ 60Hz; DDC, DDC2, DDC2B Full-screen video display or scalable video display •DDC emulation – video settings of attached computers are automatically adjusted for optimal output to the monitor 	Yes / No / Explain		
19	Specifications for RKM Units:Firmware, BIOS, Patching	<ul style="list-style-type: none"> •It should be firmware upgradeable •It should have BIOS-level access •Virtual media enables file applications, OS patching, software installation and diagnostic testing 	Yes / No / Explain		
20	Specifications for ATS Units: General Specifications	<ul style="list-style-type: none"> •19-inch 1RU Rack mountable with suitable mount kit. •Should be cable to connect 8 devices over 5Amps(IEC13-14) and 1 Device over 15 Amps (IEC19-20) •Maximum Line Current per phase =20A, Maximum Input Current per phase =20A. •The offered solution should be configured with no single point of failure in the configuration. •Unit should supply redundant AC power to connected equipment •Shall be supplied with required number of suitable power Cables (IEC) to connect connected hosts and Input supply. •Offered product should be managed via Web ,SNMP , and Telnet •Two AC Lines should power the Unit and if the primary AC power fails, the unit should automatically switch to the alternate power source. 	Yes / No / Explain		

21	Specifications for ATS Units: Input and Output Ratings	<p>OUTPUT</p> <ul style="list-style-type: none"> •8 Nos of IEC-320 C13 target device ports with one IEC-320 C19 Port Management •Offered product should be managed via Web, SNMP, and Telnet over RJ-45 NIC port. •Voltage range=120/230 V (50/60 Hz) <p>INPUT</p> <ul style="list-style-type: none"> •Two AC Lines should power the Unit and if the primary AC power fails, the unit should automatically switch to the alternate power source •Input Connections should be IEC-320 C20. 	Yes / No / Explain		
22	Specifications for ATS Units: On-Screen Display and Controls	<ul style="list-style-type: none"> •Multi-colour LED for showing different status of unit. •Unit Shall have Clear LED indication of selected source. •Should have option/button to select preferred source. •Should have indication of active output ports. •On Screen Display should show current and Voltage consumed in output side. 	Yes / No / Explain		
23	Specifications for ATS Units: Performance and Latency	<ul style="list-style-type: none"> •No impact on connecting devices over output ports while any single source failure. •Seamless and uninterrupted power changeover with maximum latency of <10 ms, in case of one power source failure. 	Yes / No / Explain		
24	Specifications for ATS Units: Firmware, BIOS, Patching	<ul style="list-style-type: none"> •It should be firmware upgradeable over RJ-45 Port. •It should have BIOS-level access 	Yes / No / Explain		

25	Common Specification for All Items: Compliance Specific to Foreign Make Products	<ul style="list-style-type: none"> •Foreign make products shall match the following certifications and compliances (This section is applicable only for Foreign make products) – <ul style="list-style-type: none"> oRoHS -6 and WEEE oEPEAT Registered oFCC Class A or EMC compatibility as per US and European standards oCE Compliant or Safety compliance as per US and European standards •Energy Star 	Yes / No / Explain		
26	Common Specification for All Items: Compliance Specific to Make in India product	<ul style="list-style-type: none"> •Make in India product – Make in India product shall match the following certifications and compliances – <ul style="list-style-type: none"> oRoHS India [E-Waste (Management) Rules, 2016] certification oCompliance to BIS norms for safety standard IS 13252:2010 or equivalent BIS standard •Energy Star 6.1 or equivalent – As per Bureau of Energy Efficiency, Govt of India Guideline for Computer 	Yes / No / Explain		

27	Common Specification for All Items:Warranty	<ul style="list-style-type: none"> •On-site Comprehensive Warranty support for 5 years of type 8X5 NBD with advanced replacement, at ISTRAC Sites located at Bangalore and Shriharikota •Manufacturers support package for Warranty and technical support only should be quoted. •Warranty shall start from the date of acceptance of the full configuration. •The warranty details after acceptance of the product by ISTRAC must reflect on OEM website as per warranty SLA •Vendor must have a support center in Bangalore and Chennai/ Sulurpeta for quick resolution and support call logging. •Vendor shall ensure all support delivery on site and carry out replacement of faulty items, upgradation of firmware and collection logs at ISTRAC site and Bangalore and Shriharikota. 	Yes / No / Explain		
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28	Common Specification for All Items: Installation & Commissioning	<ul style="list-style-type: none"> •Vendor should install & commission the systems as per the configuration at ISTRAC sites in Bangalore and Shriharikota •System installation, commissioning is the sole responsibility of the vendor. It includes the installation of all hardware in racks, operating system, all necessary device drivers and system libraries and complete interconnect and labelling of the equipment and systems. •At the time of installation and commissioning of the configuration if it is found that some additional hardware accessories or software items with licenses are required to complete the configuration to meet the operational requirement of the configuration which were not included in the vendor's original list of deliverables then vendor is required to supply such items to ensure the completeness of the configuration at no extra cost to ISTRAC. Vendor should ensure completeness of the list of deliverables in the offer to avoid such discovery during installation. 	Yes / No / Explain		
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29	Common Specification for All Items: Note to the Vendor	<ul style="list-style-type: none"> •Vendor shall offer RKM, IP and non-IPKVM of same Make or OEM. •Vendor shall submit following certifications from OEM on OEM's letter head <ul style="list-style-type: none"> oThe vendor is authorized for participating in the bid oThe offered hardware is not an obsolete product oThe offered hardware / software component is back-to-back supported by the OEM during the warranty period •Vendor shall provide compliance documents for Make in India or Foreign make products for the applicable section. •The offered product brands shall not be owned or stake hold by Border sharing nations of India. •The foreign products offered shall be from nations or group of alliance nations with whom India has on going space co-operation understanding. •Vendor shall note that the quantity indicated in the slabs is indicative and ISTRAC will finalize the ordering quantity at the time of ordering. ISTRAC may choose to opt for suitable configuration and decide L1 based on the final requirement during ordering stage. •Vendor may note that any component which is a better / improved version of the specification may be offered. However, the offered product shall be the latest or next generation hardware in the same product 	Yes / No / Explain		
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family as specified.

- For all items in the list of deliverables offered by the vendor, the manufacturer's part number should be clearly indicated. Offer of items without clear specification of part number is not acceptable.
- Vendor should indicate the part nos. of the deliverable items clearly. The part numbers & description of the items in the offer should match the part numbers & description of the items mentioned in the manufacturer's spec sheets.
- The part numbers & description of the goods delivered should match the part numbers & description in the offer.
- Vendor should carefully consider all the clauses in the specifications and should ensure that their offer is complete in all respects at the time of submission. Complete technical documentation justifying the compliance should be enclosed along with their offer. Offer which are incomplete are liable to be considered non-compliant.
- Specifications of the major items have been provided in the enclosed document. In case any additional accessories/ software media/licenses are required to complete the configuration for full functionality and/or better manageability vendor should include such hardware accessories and related software elements or plug-ins to enterprise

		<p>management software with licenses in their offer.</p> <ul style="list-style-type: none"> •Systems from the manufacturers who primarily assemble systems by getting components/ subsystems from different suppliers and who do not have direct control over the production process/ quality of the items so obtained, will not be acceptable. •The cost quoted by the vendor should be for delivery at ISTRAC stores, Bangalore and installation & commissioning at ISTRAC sites in Bangalore and Shriharikota 			
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Supporting Documents required from Vendor

- 1. OEM Certificate of Compliance for Terms and conditions related to Warranty and Support.**
- 2. Technical BOM**
- 3. OEM Certification and MAF for the Vendor as per the Specifications**

5 additional documents can be uploaded by the vendor

C.2 Commercial Terms / Bid

Sl. No.	Description	Compliance	Vendor Terms
1	OEM for KVM and RKM should be Same	Yes / No / Explain	
2	Payment Term (Our normal terms of payment is 100% within 30 days after Supplyt, Installation, Commissioning and Acceptance of the item at our respective sites (Bangalore & Sriharikota).	Yes / No / Explain	
3	Taxes and other costs, if any	Yes / No / Explain	
4	Delivery Period	Yes / No / Explain	
5	Delivery Term	Yes / No / Explain	
6	Security Deposit: FD or BG for 3% of PO value to be submitted after receipt of PO and valid till supply & acceptance.	Yes / No / Explain	
7	Performance Bank guarantee : BG for 3% of PO value to be submitted while claiming payment valid till end of warranty period with a claim period of 60 days.	Yes / No / Explain	
8	(OR) SD-cum-Warranty (PBG) (in lieu of SD & PBG as a single instrument): BG for 3% of PO value to be submitted after receipt of PO valid till end of warranty period with a claim period of 60 days.	Yes / No / Explain	
9	DELAY IN COMPLETION / LIQUIDATED DAMAGES :If the Contractor fails to deliver the stores within the time specified in the Contract or any extension thereof, the Purchaser shall recover from the Contractor as Liquidated Damages a sum of one-half of one per cent (0.5%) of the Contract price of the undelivered stores for each calendar week of delay. The total liquidated damages shall not exceed ten percent (10%) of the contract price of the unit or units so delayed. Stores will be deemed to have been delivered only when all their component parts are also delivered. If certain components are not delivered in time, the stores will be considered as delayed until such time as the missing parts are delivered.	Yes / No / Explain	

10	Warranty	Yes / No / Explain	
11	Validity	Yes / No / Explain	
12	Name and Address of the company on whom purchase order to be placed (OEM if any should be added in your E-Procurement profile under Add Agent/Principal without fail). Address indicated here must be available in your profile as a Principal/Agent failing which PO will be placed on the e-procurement address available in the profile.	Yes / No / Explain	
13	Certificate of Undertaking: Any bidder from a country which shares a land border with India will be eligible to bid in any procurement whether of goods or services (including consultancy services and non consultancy services) or works (including turn-key projects) only if the bidder is registered with the Competent authority (i.e. DPIIT). Hence, it is mandatory to furnish Certificate of Undertaking as indicated in the tender document.	Yes / No / Explain	
14	Foreign vendors are permitted to quote. 1. Class -I and Class-II Local suppliers as per make in India policy are also eligible to participate in the bid. 2. The percentage of local content should be specifically mentioned in the offer if the quote is from Class-I or Class-II local supplier 3. Preference will be given to class-I Local Supplier and in their absence, class-II Local suppliers and in their absence Non-Local suppliers will be considered.	Yes / No / Explain	
15	Percentage of local content for the quoted item.	Yes / No / Explain	
16	Details of location (s) at which the local value addition is made	Yes / No / Explain	
17	GeM Seller ID: As per GoI OM No. 6/9/2020-PPD dated 24.08.2020 and DO No. 170/CEO-GeM/2020, sellers providing Goods and Services to Central Government Organizations shall be registered on GeM and obtain a unique GeM registered ID. Hence please get registered in GeM and furnish your GeM Seller ID.	Yes / No / Explain	
18	Any other terms	Yes / No / Explain	

C.3 Price Bid

Sl. No.	Item	Quantity	Unit Price	Currency	Total Price	Remark
1	16 port KVM over IP switches	1.0 - 10.0 Nos.		-		
		11.0 - 30.0 Nos.		-		
		31.0 - 50.0 Nos.		-		
2	Managed Non-IP KVM Switch	1.0 - 10.0 Nos.		-		
		11.0 - 30.0 Nos.		-		
		31.0 - 50.0 Nos.		-		
3	Rack mount Monitor +Keyboard	1.0 - 10.0 Nos.		-		
		11.0 - 30.0 Nos.		-		
		31.0 - 50.0 Nos.		-		
4	Automatic Transfer Switch (ATS)	1.0 - 20.0 Nos.		-		
		21.0 - 30.0 Nos.		-		
		31.0 - 50.0 Nos.		-		

Common charges (Applicable for all items)

P&F Charges	
Freight Charges	
Installation Charges	
Documentation & Handling Charges	

Other Charges (If any)	
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