

RailTel's Bid Specific Additional Terms & Conditions (ATC)

Information to Bidder (ITB) for the “Supply, Installation, Testing and Commissioning, of GPU and CPU Servers at RailTel DC and DR”

Ref: GeM Bid No. GEM/2026/B/7153299 dated 28.01.2026

The item/items in this bid should be quoted as per the technical specifications. *The details of the specifications along with consignee/site details.*

1. In the specification wherever support for a feature has been asked for, it will mean that the feature should be available from **day1** without RailTel requiring any other hardware/software/licenses. Thus, all hardware/software/licenses required for enabling the support/feature shall be included in the offer. The technical specifications are mentioned in **Annexure-I**.
2. The bidder should be Original Design Manufacturer (ODM) that designs and manufactures the product i.e. GPU and CPU servers. ODM (Original Design Manufacturer) should have a registered office in India to provide sales and 24x7 support in India. **The certificate to this effect should be submitted.**
3. The bidder should be ODM (Original Design manufacturer) for the product that has designed the offered product and holds the IPR for the offered model(s) as per DOT Notification dated 22-October-2024 or latest and as per notifications below: (i) Department of Industrial Policy & Promotion (DIPP) Order No. P-45021/2/2017-B.E.-II dated 15.06.2017 or latest
4. Software/licenses offered shall have complete data sheets and detailed description on ODM web sites. The bidder shall provide the complete details in their bid.
5. **Bidder shall submit the detailed BOM of the offered software/licenses. The HSN / SAC Code of the item must be mentioned**
6. **GSTIN ID of bidder should be provided from where goods will be supplied.**
7. **Earnest Money Deposit (EMD): All the Bidders are required to deposit EMD amount of Rs. 4,39,000/- as “Earnest Money” through RTGS/Internet Banking.**

The EMD may be forfeited if a bidder withdraws his offer or modifies the terms and conditions of the offer during validity period and in the case of a successful bidder, if the bidder fails to accept the Purchase order/LOA and fails to furnish performance bank guarantee (security deposit).

7.1 Offers without complete amount of Earnest Money shall be summarily rejected.

7.2 Earnest Money of the unsuccessful bidder will be discharged/ returned as promptly as possible.

7.3 The successful bidder's EMD will be discharged upon the bidder's acceptance of the LOA/PO and submission of PBG.

7.4 Bank Details for RTGS/Internet Banking is given below:

Account Number	44105658238
IFSC	SBIN0004079
Bank & Branch	State Bank of India, Commercial Branch, Gurgaon (04079)
Account holder Name	RailTel Corporation of India Limited

7.5 Bidder to indicate bid no. and name of bidding entity in the transaction details field at the time of online transfer. **Bidder has to upload scanned copy/proof of the online payment transfer along with bid.**

8. Delivery Period, Consignee Details and inspection:

8.1 **Delivery Period:** The supplier will have to complete supply, installation, testing and commissioning of GPU and CPU Servers as per the technical specification given in **Annexure-I within 90 days** from the date of issue of confirmed PO. If not completed within the approved delivery period, then penalty of 0.5% of the contract value per week and the maximum up to the 10% of the contract value will be levied.

8.2 **Consignee Details:** Material shall be delivered at the Data Center sites of RailTel i.e., Gurgaon and Secunderabad. The supplier shall ship the material to the respective consignee without any additional cost to RailTel. Breakup of qty. for supply shall be given in the PO.

SN	Description	UoM	Qty	Delivery Location
1.	GPU servers as per technical specification	Nos.	02	Gurugram and Secunderabad
2.	CPU servers as per technical specification	Nos.	02	

8.3 **Consignee Inspection:** The products shall be accepted on the basis of bidder's internal test report, guarantee, fitment certificate and complete the detailed inspection of supplied items at RailTel Data Center. In case material fails during inspection, a fresh lot of material shall be offered without any extra cost, by the bidder.

Note: Consignee ID and Zip code mentioned in BOQ and consignee details given in GeM bid document are indicative. Above clause 8.2 should be considered by bidder while quoting.

9. Eligibility Criteria:

9.1 Eligibility Criteria for Bidder i.e. ODM: The bidder should be Original Design

9.1 Manufacturer (ODM) of the product i.e. GPU and CPU servers.

SN	Basic Requirement	Eligibility Criteria Requirements	Supporting Document Required
1.	Legal Entity	The bidder should be a Company registered in India under the Companies Act (India) with their registered office in India should have been operating for the last three years.	Certificate of Incorporation / Registration or Memorandum of Association (MoA)
2.	Financial Capability	The bidder should have received a minimum cumulative contract amount of Rs. 3.29 Cr. from the operations in the last three financial years plus current year up to the date of opening of tender. i) For Start-up (recognized by Department of Industrial policy and promotion, Ministry of Commerce and Industry) only 1/3 of minimum cumulative contract amount.	Certificates to this effect which may be an attested Certificate from the concerned department / client or Audited Balance Sheet duly certified by the Chartered Accountant / Certificate from Chartered Accountant duly supported by Audited Balance Sheet. For Start-up, in addition to above, Certificate of Startup issued by Department of Industries Policy and promotions, Ministry of Commerce and Industries shall also be required
3.	Technical Capability	The bidder must have successfully completed any of the following during last 03 (three) years, ending last day of month previous to the one in which tender is invited: (i) Single order of at least 35% of estimated bid value i.e. Rs. 76.81 lacs ; or (ii) Two orders of at least 20% each of estimated bid value i.e. Rs. 43.90 lacs ; or	<ul style="list-style-type: none"> • Completion certificates with Satisfactory working and value of the work completed from the User Organizations is required to be submitted. • The copy of Purchase Order is mandatorily required as supporting document. • ODM should submit self-certificate with proper contact detail of clients along with PO

SN	Basic Requirement	Eligibility Criteria Requirements	Supporting Document Required
		<p>(iii) Three orders of at least 15% each of estimated bid value i.e. Rs. 32.92 lacs.</p> <p># Similar Work: Supply and installation of Data Center Hardware/Software items in Government / PSUs / Telecom Service Providers network/ISP Network/ Public listed company.</p>	<p>reference and amount supplied (Firm Name, Contact person, Designation, Telephone Number, Fax, Official mail id etc.). The same should be issued by authorized signatory.</p>
4.	Bidder Type	<p>The Bidder or their promoters having equity stake or operating partnership in bidder, should not be holding valid License for Telecom service provider/ISP/NLD, Services License of Government of India for Telecom Operation.</p>	<p>Undertaking to be submitted by the Bidder</p>
5.	Offered Product	<p>The Item offered by the ODM or Item/software of the same series/family from the same ODM should have been satisfactorily working in Government/ PSUs/ Telecom Service Providers/ Public Listed Company for at least 12 months in last preceding 3 years as on date of opening of tender in India or Abroad.</p>	<ul style="list-style-type: none"> • An Undertaking from ODM regarding Satisfactory Working Performance of the same series/family along with Client Details (Government/ PSUs/Telecom Service Providers network) is required to be submitted and it should be issued during last one year from the date of opening of Tender. • An undertaking by the ODM has to be submitted in support in case of same series/family or immediate predecessor.
6.	Undertaking by Bidder	<p>Undertaking by Bidder i.e. ODM on their respective letter Heads -</p> <p>a) Bidder should have proven facilities for Engineering, manufacture, assembly, integration, testing and basic facilities with respect to space, Engineering, Personnel, Test Item, Manufacture, Training, Logistic Supports for at least past three years in the country from where the proposed Item are planned to be</p>	<p>Self- Declaration by the ODMs on Company's letter head for Point-A, B, C & D of Form no. 4.</p>

SN	Basic Requirement	Eligibility Criteria Requirements	Supporting Document Required
		<p>supplied. In case ODM is located outside India, it should have training, repair and service center facilities in India also (Point-A of form no. 4).</p> <p>b) Bidder should not have been black-listed currently by Central Govt./State Govt./CPSU in India or anywhere globally by Government for security reasons (Point-B of form no. 4).</p> <p>c) Hardware and Software supplied by ODM should not have any malicious code (Point-C of form no. 4).</p> <p>d) The Bidder shall ensure that Intellectual Property Rights of Hardware (including MAC address) and Source Code and of Software must not reside in any Country that shares a Land Border with India. Moreover, ODM must ensure that they are not getting 3rd party manufacturing from any Country that shares a Land Border with India.</p> <p>Note: ODM's from country that shares a Land Border with India are allowed to offer their products provided ODM's is registered with DPIIT (Point-D of form no. 4)</p>	

Note:

Credentials if submitted in foreign currency shall be converted into Indian currency i.e., Indian Rupee as under:

The conversion rate of US Dollars into Rupees shall be the daily representative exchange rates published by the Reserve Bank of India for the relevant date. Where, relevant date shall be as on the last day of month previous to the one in which tender is invited. In case of any other currency, the same shall first be converted to US Dollars as on the last day of month previous to the one in which tender is invited, and the amount so derived in US Dollars shall be converted into Rupees at the aforesaid rate. The conversion rate of such currencies shall be the daily representative exchange rates published by the International Monetary Fund for the relevant date.

10. RailTel reserves the right: -

- a) To verify, if so desired, the correctness of documentary evidence furnished by the Bidder.
- b) To verify the successful operation and performance of qualifying projects and Bidder shall arrange permission for the same.
- c) To carry out capability assessment of the bidder(s) including referral to in-house information.
- d) RailTel shall not be responsible for any delay in the receipt of tenders and reserves the right to accept/reject any or all tenders without assigning any reason.

11. Warranty:

The software solution implemented are to be warranted for **03 years** from date of complete implementation, Testing & Commissioning to the consignee site. The Bidder shall warrant that all software solutions implemented shall be with 3 years of subscription and on the name of "RailTel Corporation of India Limited". Software solution implemented shall have ODM Certificate for implementation architecture.

- 12.** RailTel shall make payments after the submission of the invoice with required documents as per contract. Accounting/Bill passing unit for SOR for supplies is Corporate Office. All Bills shall be submitted to the GM/DC for certifying and verification and onwards submission to Finance of RailTel Corporate Office for releasing the payment.

13. Payment Conditions:

- 13.1 80% payment of the value of the part supply items would be made on receipt of material by the consignee duly inspected and on submission of the following documents subject to any deductions or recovery which RailTel may be entitled to make under the contract:
- (i) Original Tax Invoice.
 - (ii) Delivery Challan.
 - (iii) Original Consignee receipt.
 - (iv) Original Inspection Certificate.
 - (v) Warranty/Support Certificate of ODM.
 - (vi) Copy of Submitted Performance Bank Guarantee (PBG).
- 13.2 Balance 20% value of the part supply on successful installation & commissioning at Data Center (DC) based on SAT report issued by DC. In case installation and commissioning is delayed due to any reason beyond the control of the Contractor then 20% payment can be released after submission of a bank Guarantee of equal amount valid for a period of one year.
- 13.3 Accounting unit/bill passing unit for the supplies under SOR is Corporate Office. Bills to be submitted to the GM/DC for passing for payment. The bidder will submit certifying receipt of material & services issued from consignees, for passing for payment.
- 13.4 The breakup of taxes has to be furnished and same should be reflected in the bills so that any CENVAT/input credit can be availed by RailTel.
- 13.5 100% payment of Installation, Testing and Commissioning of the equipment at DC based on SAT report issued by Data Center.

14. Security Deposit/Performance Bank Guarantee:

- 14.1 The successful bidder has to furnish security deposit in the form of Performance Bank guarantee @ 5% of issued PO/ LOA value, the same should be submitted within 30 days of issue of LOA/PO, failing which a penal interest of 15% per annum shall be charged for the delay period i.e. beyond 30 (thirty) days from the date of issue of LOA/PO. This PBG should be from a Scheduled Bank and should cover warranty period plus four months for lodging the claim. The performance Bank Guarantee will be discharged by the Purchaser after completion of the supplier's performance obligations including any warranty obligations under the contract. **The claim period for submitted PBG should be one year from the date of expiry.**
- 14.2 The earnest money shall be released on submission of PBG. The Performa for PBG is given in **Form No. 1**. If the delivery period gets extended, the PBG should also be extended appropriately.
- 14.3 The Performance Bank Guarantee (security deposit) will bear no interest.

14.4 This PBG would be released after satisfactory completion of contract including warranty period plus 4 months.

14.5 A separate advice of the BG will invariably be sent by the BG issuing bank to the RailTel's Bank through SFMS and only after this the BG will become acceptable to RailTel. It is therefore in own interest of bidder to obtain RailTel's bank IFSC code, its branch and address and advise these particulars to the BG issuing bank and request them to send advice of BG through SFMS to the RailTel's Bank.

BG advising message – IFN 760COV/ IFN 767COV via SFMS

To mandatorily send the Cover message at the time of BG issuance.

IFSC Code of ICICI Bank to be used (ICIC0000007).

Mention the unique reference (RAILTEL6103) in field 7037.

15. Rates During Negotiation:

The Bidder/s shall not increase his/their quoted rates in case the RailTel Administration negotiates for reduction of rates. Such negotiations shall not amount to cancellation of withdrawal of the original offer and the rates originally quoted will be binding on the Bidder/s.

16. Purchaser's Right to Vary Quantities

16.1 Variation: The purchaser reserves the right to increase or decrease the quantity to be ordered up to 25 percent at the time of placement of contract. The purchasers also reserve the right to increase the ordered quantity by up to 25% of the contracted quantity during the currency of the contract at the contracted rates. Bidders are bound to accept the orders accordingly

16.2 Payment terms of this variation PO will be same as clause-13 above.

17. Issue of Purchase Order/Award of Contract:

RailTel shall consider placement of PO for those bidders whose offers have been found technically and commercially acceptable and are lowest. The bidder shall within in 7 days of issue of PO, give his acceptance and submit Performance Bank Guarantee as per **Form-1**.

18. RailTel right to accept any Bid and to reject any or all Bids:

RailTel reserves the right to accept or reject any Bid and to annul the bidding process and reject all bids, at any time prior to award of contract without any reason whatsoever and without thereby incurring any liability to the affected bidder or bidders on the grounds for the RailTel action.

19. Constitution of Firm and Power of Attorney:

19.1 Any individual(s) signing the tender or other documents connected therewith should specify whether he is signing:

a) As sole proprietor of the concern or as attorney of the sole Proprietor.

- b) As partner or partners of the firm.
- c) As a Director, Manager or Secretary in the case of Limited Company duly authorized by a resolution passed by Board of Directors or in pursuance of the authority conferred by Memorandum of Association.

19.2 In the case of a firm not registered under the Indian Partnership Act, all the partners or the attorney duly authorized by all of them should sign the tender and all connected documents. The original Power of Attorney or other documents empowering the individual or individuals to sign should be furnished to the Purchaser for verification, if required.

19.3 The RailTel will not be bound by Power of Attorney granted by the Bidder or by the changes in the composition of the firm made subsequent to the execution of the contract agreement.

19.4 In case where Power of Attorney partnership deed has not been executed in English, the true and authenticated copies of the translation of the same by Advocate, authorized translators of Courts and licensed Petition Writers should be supplied by the contractor(s), while tendering of the work.

19.5 The duly notarized Power of Attorney shall be submitted at the time of bid submission, and original copy shall be submitted at the time of issue of LOA/PO.

Note:

- i. The bidder is required to give acceptance of all the clauses of GeM bid, ATC and RailTel's Bid Specific ATC document. Any deviation / non-acceptance may lead to rejection of the bid.
- ii. Information to Bidder viz. corrigendum /addendum/ amendments etc. for this bid shall be posted on www.railtelindia.com and GeM only.
- iii. This bid is governed by the Specific Additional Terms & Conditions and General Terms & Conditions laid down by the GeM against GeM Bid No: **GEM/2026/B/7153299**.

In case, If any contradiction between GeM Bid, Additional Terms & Conditions, RailTel's Bid Specific Additional Terms & Conditions (ATC) and General Terms & Conditions, RailTel's Bid Specific Additional Terms & Conditions will prevail.

20. Online Submissions:

The bidder is required to upload the required documents online before due date & time of bid. The due date & time for closing of the bid as per GeM Bid and the bid will be opened as per GeM Bid.

20.1 The bidder is required to give acceptance of all the clauses of GeM bid, Buyer added bid specific ITP, RailTel's bid specific ITP documents and all Corrigenda. Any deviation / non-acceptance may lead to rejection of the bid.

20.2 Information to Bidder viz. corrigendum /addendum/ amendments etc. for this bid shall be posted on www.railtelindia.com and GeM only.

20.3 This bid is governed by the Specific Additional Terms & Conditions and General Terms & Conditions laid down by the GeM against GeM Bid No: **GEM/2026/B/7153299**.

20.4 In case, if any contradiction between GeM Bid, RailTel's Bid Specific ITB/ATC will prevail.

20.5 No Financial/ prices to be quoted in technical bid. If financial price is quoted in Technical Bid then the bid would be **summarily rejected as non-responsive**.

20.6 Original copies of Form-2, Form-3, Form-4 and Form-5 shall be submitted at the time of issue of LOA/PO

21. Preference to make in India:

The provisions of the Public Procurement (Preference to Make in India) Order 2017 dated June 15, 2017 (or subsequent revisions, if any) by Department of Industrial Policy and Promotion, GoI shall apply to this tender to the extent feasible. Minimum Local Content for SOR items shall be 50% for purchase preference as per the Notification No. 18-10/2017-IP dated 29th August 2018 issued by Department of Telecommunications, Ministry of Communications or as per the latest notification. Bidder shall be required to give a self-certification in his bid that the item offered meets the local content and shall give details of the location(s) at which the local value addition is made. Bidder should submit Self Certification under preference to "MAKE IN INDIA" Policy as **Form No. 5**.

In case of any false declaration, action shall be taken in line with the provisions of the PPP-MIII order.

21.1 Bidders sharing a land border with India:

Office Memorandum F.No.6/18/2019-PPD dated 23.07.2020 by Ministry of Finance, Department of Expenditure, Public Procurement Division shall also apply to this tender. A certificate as per **Form No. 4** shall be submitted by all the bidders regarding their compliance with this order. If such a certificate given by a bidder whose bid is accepted is found to be false, this would be a ground for immediate termination and further legal action in accordance with law. Registration should be valid at the time of submission of bids and at the time of acceptance of bids. In respect of supply otherwise than by tender, registration should be valid at the time of placement of order.

22. System Performance Guarantee:

22.1 The Bidder shall give unqualified and unconditional guarantee that when the Item / material supplied by him is installed and commissioned at site, it shall achieve the desired objective and that in the event of performance of the system when installed not complying with the end objective or with the specifications, he shall provide further inputs to enable the RailTel to realize the end objectives with full compliance of the specifications contained in these documents. No additional payment will be made to the contractor for supply of any additional goods and service required in this regard.

22.2 This certificate in the Proforma given in **Form No. 2**, shall accompany the final offer.

23. Credential Verification:

- 23.1** The Bidder shall submit along with the tender document, documents in support of his/their claim to fulfil the eligibility criteria as mentioned in the tender document. Each page of the copy of documents/ certificates in support of credentials, submitted by the Bidder, shall be self-attested/digitally signed by the Bidder or authorized representative of the tendering firm. Self-attestation shall include signature, stamp and date (on each page). Only those documents which are declared explicitly by the Bidder as “documents supporting the claim of qualifying the laid down eligibility criteria”, will be considered for evaluating his/their tender.
- 23.2** The Bidder shall submit a **notarized affidavit on a non-judicial stamp paper** stating that they are not liable to the disqualified and all their statements/documents submitted alongwith bid are true and factual. **Standard format of the affidavit to be submitted by the bidder is available in this tender document (Form No. 3)**. Non-submission of an affidavit by the bidder shall result in summary rejection of his/their bid and it shall be mandatory incumbents upon the Bidder to identify, state and submit the supporting documents duly self-attested by which they/he is qualifying the Qualification Criteria mentioned in the tender document. It will not be obligatory on the part of the RailTel to scrutinize beyond the submitted document of Bidder as far as his qualification for the tender is concerned.
- a. The RailTel reserves the right to verify all statements, information and documents submitted by the bidder in his tender offer, and the bidder shall, when so required by the RailTel, make available all such information, evidence and documents as may be necessary for such verification. Any such verification or lack of such verification, by the RailTel shall not relieve the bidder of its obligations or liabilities here under nor will it affect any rights of the RailTel thereunder.
 - b. In case of any wrong information submitted by the Bidder, the contract shall be terminated, Earnest Money Deposit (EMD), Performance Guarantee (PG) and Security Deposit (SD) of contract forfeited.

24. The For Micro and Small Enterprises (MSEs):

- 24.1** Eligible MSEs are exempted from cost of tender document. However, MSEs are required to meet the eligibility criteria as specified in clause 9.1 above as the case may be. Further, the subject work being a works contract having scope of integrating various IT products and applications, the purchase preference criteria for MSME will also be not applicable in the tender
- 24.2** MSEs who are interested in availing themselves of above benefits will enclose with their offer the proof of their being MSE registered with any of the agencies mentioned in the notification of Ministry of MSME.
- 24.3** The MSEs should submit valid Udhyam certificate (UAM No.) along with the Bid. Failing 24.1 and 24.2 above, such offers will not be liable for consideration of benefits detailed in the notification of Government of India.
- 24.4** RailTel is registered with all four TReDS aggregator's as follows:
- a). Receivables Exchange of India Limited (RXIL)

- b). Mynd Solutions (M1xchange)
- c). TReDS Ltd (Invoicemart)
- d). C2FO Factoring Solutions Private Limited (C2FO)

The bidder is mandatorily required to submit its TReDS registration number and GRN (Goods/Service Receipt Note) Number (as provided by RailTel on delivery of Goods/Service) while submitting the invoices if requires to avail TReDS facility.

- 24.5** MSE Vendor will bear all costs relating to availing the facility of discounting on TReDS platform including but not limited to Registration charges, Transaction charges for financing, Discounting Charges, Interest on financing, or any other charges known by any name shall be borne by MSE Vendor.
- 24.6** MSE Vendor hereby agrees to indemnify, hold harmless and keep RailTel and its affiliates, Directors, officers, representatives, agents and employees indemnified, from any and all damages, losses, claims and liabilities (including legal costs) which may arise from Sellers submission, posting or display, participation, in any manner, on the TReDS Platform or from the use of Services or from the Buyer's breach of any of the terms and conditions of the Usage Terms or of this Agreement and any Applicable Law on a full indemnity basis.
- 24.7** RailTel shall not be liable for any special, indirect, punitive, incidental or consequential damages or any damages whatsoever (including but not limited to damages for loss of profits or savings, business interruption, loss of information), whether in contract, tort, equity or otherwise or any other damages resulting from using TReDS platform for discounting their (MSE Vendor's) invoices.

Note: The traders/ distributors/ sole agent/ Works Contract are excluded from the purview of Public Procurement Policy for MSEs Order,2012.

25. Support to Start-up Enterprises:

Certificate of Startup issued by Department of Industries Policy and promotions, Ministry of Commerce and Industries shall also be required if applicable.

26. SITE ACCEPTANCE CERTIFICATE (SAT):

On installation, testing, commissioning and integration of equipment, Site Acceptance Testing (SAT) report shall be issued duly certified by authorized representative of Data Center.

27. Deleted

28. Technical proposal of Bidder in conformity with system design:

Bidder has to submit the technical solution document including design, architecture, flow, virtual machine requirement, software's, license, OS etc. RailTel shall provide required virtual machines at DC and DR to deploy the solution however bidder has to provide all software's, licenses, Operating Systems etc. required to implement the proposed Solution at both DC and DR without any additional cost to RailTel.

29. System Performance Guarantee

29.1 The Bidder shall give unqualified and unconditional guarantee that when the equipment / material supplied by him is installed and commissioned at site, it shall achieve the desired objective and that in the event of performance of the system when installed not complying with the end objective or with the specifications, he shall provide further inputs to enable the RailTel to realize the end objectives with full compliance of the specifications contained in these documents. No additional payment will be made to the contractor for supply of any additional goods and service required in this regard.

29.2 This certificate in the Proforma given in **Form No. 2**, shall accompany the final offer.

Annexure-I

Scope of Work & Technical Requirement

A. Scope of Work (SoW) – GPU & CPU Infrastructure & Open-source Kubernetes Platform for RailTel

1. Project Background

RailTel Data Center is currently providing many DC services like Cloud Hosting, VPN, Email, DR, DDoS, Backup, Security etc. to its customers. All these services are provided through Tier-III Data Center's located at Gurgaon and Secunderabad. Both the Data Centers are MeitY Empaneled Data Center for Cloud Services.

RailTel is planning to enhance the existing services in terms of capacity and features currently available. All the components being asked in tender are to be implemented in such a way so that the same can be offered "As a Service" to RailTel's Customers for both DCs.

2. Scope Overview

The Bidder shall be responsible for end-to-end design, supply, installation, configuration, testing, commissioning, and support of GPU & CPU -based server infrastructure along with required networking, switching, and Kubernetes platform for deployment of GPU & CPU - accelerated container workloads for RailTel.

3. Roles & Responsibilities

RailTel shall act as the end customer and coordinating authority. The Bidder shall act as the system integrator and shall be solely responsible for integration of all hardware, software, networking, and platform components into a fully functional solution.

4. Hardware Supply & Installation

The Bidder shall supply, install, and commission GPU & CPU servers, rail kits and all active and passive components. Activities include physical racking, structured cabling, labeling, power-on checks, and baseline hardware validation.

5. Network & Switching Infrastructure

The Bidder shall supply, install, configure, and integrate all necessary network components.

6. Operating System & Base Software

The Bidder shall install and configure Linux-based operating systems (Ubuntu / RHEL compatible) on all nodes. This includes installation and validation of GPU & CPU drivers, CUDA libraries, NVIDIA container runtime, and required kernel modules.

7. Kubernetes Platform Deployment

The Bidder shall design, deploy, and configure an OS Kubernetes cluster comprising:

- a. Highly available control plane and worker nodes

- b. Container runtime (contained / CRI-O)
- c. NVIDIA GPU & CPU Operator for GPU & CPU discovery, scheduling, and monitoring
- d. CNI plugin (Calico / Cilium or equivalent)
- e. Ingress controller and internal service networking
- f. GPU & CPU -aware scheduling, quotas, and node labeling

8. GPU & CPU Container Enablement

The Bidder shall enable and validate GPU & CPU -based container workloads, including:

- a. GPU & CPU passthrough and isolation mechanisms
- b. Deployment of sample AI/ML or HPC workloads for acceptance testing
- c. Integration with private/local container registry
- d. Helm charts or automated deployment mechanisms for GPU & CPU workloads.

9. Security & Access Control

The Bidder shall implement security best practices across infrastructure and Kubernetes layers, including:

- a. Role-Based Access Control (RBAC)
- b. Namespace isolation and network policies
- c. Secure API access and certificate management
- d. Firmware, BIOS, TPM, and secure boot configuration as per OEM guidelines

10. Monitoring, Logging & Management

The Bidder shall deploy monitoring and logging tools covering:

- a. Server, GPU & CPU, and Kubernetes cluster health
- b. Resource utilization and performance metrics
- c. Alerting and fault notification mechanisms
- d. Centralized logging and audit trails
- e. Remote management through IPMI and Kubernetes dashboards shall be enabled.

11. Testing & Acceptance

The Bidder shall conduct comprehensive testing including hardware validation, network performance, GPU & CPU workload execution, and Kubernetes high-availability testing. User Acceptance Testing (UAT) shall be conducted jointly with RailTel.

12. Documentation & Knowledge Transfer

The Bidder shall provide complete documentation including architecture diagrams, network topology, Kubernetes design, installation procedures, and SOPs. Knowledge transfer sessions shall be conducted for RailTel's technical teams.

13. Warranty, Support & SLA

The Bidder shall provide OEM-backed warranty wherever applicable and comprehensive support for the complete solution, including firmware/software updates, fault rectification, and component replacement

14. Scalability & Future Expansion

The solution shall be scalable for addition of GPU & CPU nodes, storage, and network capacity without major redesign. Kubernetes cluster shall support seamless horizontal expansion.

B. Technical Specifications of Servers:

Specification for GPU SERVER		
SN.	Component	Minimum Requirement Description
1	Processor	Intel/AMD 2.4GHz, 64MB Cache, 24 Core or higher
2	Barebone Server	Dual Socket, Intel Xeon / AMD EPYC, Rackmount, N+1 Titanium PSU
3	Memory	32 DDR4 DIMM slots RDIMMS & LR DIMMS supporting speeds at least 4800 MT/s. Configured with 16 nos. 64GB RDIMM 4800/s, scalable to 2 TB.
4	RAID Controller	SAS RAID, 1GB cache, RAID 0/1/5/6/10
5	GPU Architecture	The system should be supplied with one GPU having a minimum GPU memory of 141 GB, GPU memory bandwidth of 4.8 TB/s, and support for Multi-Instance GPU (MIG) with up to 7 instances. The system should also have provision to populate additional GPUs in the future.
6	Network	2 x 10G RJ45 and 4 x 25G SFP+ populated with Multimode Transceivers.
7	OS	Open-source Linux
8	OS Certification	Windows & Linux (redhat/ubuntu) supported
9	Warranty	3 years comprehensive NBD OEM warranty with Enterprise level premium support
10	Chassis Type	6U Rack or less form factor
11	Platform Security	TPM 2.0, Secure Boot, Secure Firmware, Intrusion Detection
12	System Protection	Lockdown Mode, BIOS Recovery, Malicious Code Free Design
13	Remote Management	Dedicated IPMI 2.0 port, Redfish API
14	Operations	Remote Power, KVM, Virtual Media, Health Logging
15	SSD	12 x 3.84TB SSD, At least 2 nos. of 960 GB flash drive/read intensive SSD-SATA / M.2 drives in mirrored configuration for OS.
16	Compliance	Not blacklisted by Govt agencies

Specification for CPU SERVER

SN	Component	Minimum Requirement Description
1	General Requirement	Proposed Server should support container based workloads
3	CPU	Configured CPU Should be populated with 2 Nos. of latest generation Intel/AMD, each CPU should be atleast 24 core and 2.4GHz or better
4	Memory slots	32 DDR5 DIMM slots RDIMMS/LR DIMMS supporting speeds at least 4800 MT/s.
5	Memory configured	Configured with 16 nos. 64GB RDIMM 4800/s, scalable to 2 TB.
6	Disks configured	At least 2 nos. of 480 GB flash drive/read intensive SSD-SATA / M.2 drives in mirrored configuration for OS.
		2 nos. of 3.84TB SSD
		6 nos. 12TB 12Gbps 7.2K RPM SAS drives
7	I/O slots	Up to 8x latest PCIe Slots
8	Ethernet ports	2 x 10G RJ45 and 4 x 25G SFP+ populated with Multimode Transceivers.
9	FC ports (HBA)	2 x 32Gbps FC ports with fully populated optical module from day one.
10	Power Supply	Platinum rated or better redundant Power Supply in 1+1 from day one
11	Warranty	3 years comprehensive NBD OEM warranty with Enterprise level premium support
12	Platform Security	TPM 2.0, Secure Boot, Secure Firmware, Intrusion Detection
13	System Protection	Lockdown Mode, BIOS Recovery, Malicious Code Free Design
14	Remote Management	Dedicated IPMI 2.0 port, Redfish API
15	Operations	Remote Power, KVM, Virtual Media, Health Logging

Form No. 1

PROFORMA FOR PERFORMANCE BANK GUARANTEE BOND

(On Stamp Paper of Rs one hundred)

(To be used by approved Scheduled Banks)

1. In consideration of the RailTel Corporation of India Limited, having its registered office at Plate-A, 6th Floor, Office Tower-2, NBCC Building, East Kidwai Nagar, New Delhi-110023 (Herein after called RailTel) having agreed to exempt(Hereinafter called “the said Contractor(s)”) from the demand, under the terms and conditions of an Purchase Order No.....dated.....made between.....and..... for (hereinafter called “ the said Agreement”) of security deposit for the due fulfillment by the said Contractor (s) of the terms and conditions contained in the said Agreement, on production of a Bank Guarantee for Rs.(Rs only). We (indicate the name of the Bank) hereinafter referred to as “the Bank”) at the request of Contractor(s) do hereby undertake to pay the RailTel an amount not exceeding Rs. against any loss or damage caused to or suffered or would be caused to or suffered by the RailTel by reason of any breach by the said Contractor(s) of any of the terms or conditions contained in the said Agreement.
2. We, Bank do hereby undertake to pay the amounts due and payable under this Guarantee without any demur, merely on demand from the RailTel stating that the amount is claimed is due by way of loss or damage caused to or would be caused to or suffered by the RailTel by reason of breach by the said Contractor(s) of any of terms or conditions contained in the said Agreement or by reason of the Contractor(s) failure to perform the said Agreement. Any such demand made on the Bank shall be conclusive as regards the amount due and payable by the Bank under this guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs
3. We, bank undertake to pay to the RailTel any money so demanded notwithstanding any dispute or disputes raised by the Contractor(s) / Bidder(s) in any suit or proceedings pending before any court or Tribunal relating thereto our liability under this present being, absolute and unequivocal. The payment so made by us under this Bond shall be a valid discharge of our liability for payment there under and the Contractor(s) / Bidder(s) shall have no claim against us for making such payment.
4. We, Bank further agree that the Guarantee herein contained shall remain in full force and effect during the period that would be taken for the performance of the said Agreement and that it shall continue to be enforceable till all the dues of the RailTel under or by virtue of the said Agreement have been fully paid and its claims satisfied or discharged or till RailTel certifies that the terms and conditions of the said Agreement have been fully and properly carried out by the said Contractor(s) and accordingly discharges this Guarantee. Unless a demand or claim under the Guarantee is made on us in writing on or before the We shall be discharged from all liability under this Guarantee thereafter.

Form No. 2

PROFORMA FOR THE SYSTEM PERFORMANCE GUARANTEE
(On Stamp Paper of Rs. One hundred)

The Director,
RailTel Corporation of India Limited

I / We hereby guarantee that the design on the basis of which we have submitted our tender no. has been carefully made to conform to the end objectives in the tender documents and to technical specification therein. We further guarantee that in the event of the performance of the system, when installed, not complying with the end objectives or with the specifications contained in the tender documents, we shall provide further inputs to enable the RailTel to realize the end objectives contained in these documents without any additional payment for any additional item which may be required in this regard. We further guarantee that all the expenses for providing the additional inputs under the System Guarantee will be borne by us. We further guarantee that these additional inputs will be provided by us to make the system workable within 1 month from the date on which this guarantee is invoked by the Purchaser. The guarantee is valid for a period of one year from the date of commissioning of the system.

(Signature of Firm's Authorized Officer)
Seal

Signature of witness:

1.

2.

Form No. 3

FORMAT FOR AFFIDAVIT TO BE UPLOADED BY BIDDER ALONGWITH THE TENDER DOCUMENTS

(To be executed in presence of Public notary on non-judicial stamp paper of the value of Rs. 100/-.
The paper has to be in the name of the Bidder) **

I..... (Name and designation)** appointed as the attorney/authorized signatory of the Bidder (including its constituents),

M/s _____ (hereinafter called the Bidder) for the purpose of the Tender documents for the work of _____ as per the tender No. _____ of (RailTel Corporation of India Ltd.), do hereby solemnly affirm and state on the behalf of the Bidder including its constituents as under:

1. I/we the Bidder (s), am/are signing this document after carefully reading the contents.
2. I/we the Bidder(s) also accept all the conditions of the tender and have signed all the pages in confirmation thereof.
3. I/we hereby declare that I/we have downloaded the tender documents from RailTel website www.railtelindia.com, <https://railtel.enivida.com/>, I/we have verified the content of the document from the website and there is no addition, no deletion or no alternation to be content of the tender document. In case of any discrepancy noticed at any stage i.e. evaluation of tenders, execution of work or final payment of the contract, the master copy available with the RailTel Administration shall be final and binding upon me/us.
4. I/we declare and certify that I/we have not made any misleading or false representation in the forms, statements and attachments in proof of the qualification requirements.
5. I/we also understand that my/our offer will be evaluated based on the documents/credentials submitted along with the offer and same shall be binding upon me/us.
6. I/we declare that the information and documents submitted along with the tender by me/us are correct and I/we are fully responsible for the correctness of the information and documents, submitted by us.
7. I/we undersigned that if the certificates regarding eligibility criteria submitted by us are found to be forged/false or incorrect at any time during process for evaluation of tenders, it shall lead to forfeiture of the tender EMD besides banning of business upto two years on entire RailTel. Further, I/we (insert name of the Bidder)** _____ and all my/our constituents understand that my/our constituents understand that my/our offer shall be summarily rejected.
8. I/we also understand that if the certificates submitted by us are found to be false/forged or incorrect at any time after the award of the contract, it will lead to termination of the contract,

along with forfeiture of EMD/SD and Performance guarantee besides any other action provided in the contract including banning of business upto two years on entire RailTel.

DEPONENT
SEAL AND SIGNATURE
OF THE BIDDER

VERIFICATION

I/We above named tender do hereby solemnly affirm and verify that the contents of my/our above affidavit are true and correct. Nothing has been concealed and no part of it is false.

DEPONENT

SEAL AND SIGNATURE
OF THE BIDDER

Place:

Dated:

***The contents in Italics are only for guidance purpose. Details as appropriate, are to be filled in suitably by Bidder. Attestation before Magistrate/Notary Public.*

Form No. 04

ODM Undertaking on Letter Head
(To be signed by the ODM)

Director,
RailTel Corporation of India Ltd.

Dated:

.....
.....
.....

Sub: ODM Undertaking

Ref: Tender No.....dated.....

Dear Sir,

Over and above all our earlier conformations and submissions as per your requirements of the RFP, we confirm that,

A. We undertake/Certify that

“We have proven facilities at (Complete Address along with Pin Code) for Engineering, manufacture, assembly, integration, testing and basic facilities with respect to space, Engineering, Personnel, Test Item, Manufacture, Training, Logistic Supports for at least past three years in the country from where the proposed Item are planned to be supplied.”

“In case ODM is located outside India, we have training, repair and service center facilities in India at(Complete Address along with Pin Code) also.”

B. I/We have not been black-listed or debarred currently by Central Govt./State Govt./CPSU in India or anywhere globally by Government for security reasons either in Individual capacity or as a member of partnership firm/LLP/JV/Society/Trust.

C. We Certify that,

(i) All proposed hardware and software components in scope of supplies (Cameras, Switches, UPS) when shipped by _____, does not contain embedded malicious code that would activate procedures to:-

- a. Inhibit the desired and designed function of the Item.
- b. Cause physical damage to the user or Item during the exploitation.
- c. Tap information resident or transient in the Item/networks.

(ii) We, _____ will be considered to be in breach in case physical damage or malfunctioning is caused due to activation of any such malicious code in embedded software and thus be liable to repair, replace or refund the price of the infected software if reported

(or, upon request, return) to the party supplying the software to Customer, if different than

- (iii) Security breach or damages to system, if any, so caused by any embedded malicious code or otherwise, due to the act of either ODM or bidder or both, the ODM as well as the bidder would be considered liable jointly or severally and shall be banned for conducting any business with RailTel. Also the present contract, may liable to be terminated by the purchaser.

D. We certify that our offered products are genuine, have our own manufacturing setups and IPR for the hardware(s)/software(s), and not have 3rd party manufacturing from any company blacklisted in India or abroad (due to proven backdoor access and data vulnerability) or any company sharing land border with India. The Intellectual Property Rights (IPR) of all offered product and source code of all offered software including camera firmware, switch firmware etc. are not residing in countries sharing land borders with India. Proof of IPR & source code will be provided by the ODM.

or

IPR of offered products and source code of offered software including camera firmware, switch firmware etc. are residing incountry (Please mention the country name) and ODM has been registered with the Competent Authority of Govt. of India and are eligible to be considered(evidence of valid registration by the competent authority is enclosed)

In case any breach or false declaration is found at any stage, immediate strict penal action can be taken by RailTel.

Seal and signature of the authorized representative of ODM

Place:

Date:

Form No. 5

Self Certification under Preference to “MAKE IN INDIA” Policy

CERTIFICATE

In line with Government Public Procurement Order No. P-45021/2/2017-BE-II dt. 15.06.2017, as amended from time to time and as applicable on the date of submission of tender, we hereby certify that we M/s(supplier name) are local supplier meeting the requirement of minimum Local content (50%) as defined in above orders for the material against Tender No

Local Content of SOR item :.....%

Details of location at which local value addition will be made is as follows:

We also understand, false declarations will be in breach of the Code of Integrity under Rule 175(1)(i)(h) of the General Financial Rule for which for which a bidder or its successors can be debarred for upto two years as per Rule 151 (iii) of the General Financial Rules along with such other actions as may be permissible under law.

Seal and Signature of Authorized Signatory

*******END OF TENDER DOCUMENT*******