RailTel Corporation of India Ltd

(A Mini Ratna PSU under Ministry of Railways)

CORRIGENDUM-I

Dated: 15.07.2025

No: RCILSR-SBC0MKTG(SIBA)/4/2025/Computer No.49780/Corrigendum-I

Reference EOI Notice No: RailTel/SR/SBC/NSIL(IT-INFRA) /01 Dated 10-07-2025

Selection of Implementation Partner from RailTel Empaneled Business Associate for "**SUPPLY, INSTALLATION, COMMISSIONING, OPERATION AND MAINTENANCE OF UPGRADATION OF IT INFRASTRUCTURE**"

In reference to the above referred tender, the following amendments in the tender document are issued:

The details are as under:

S. No.	EOI Para, Clause No.	Tender Clause	Modified Clause
1.	Last Date of Submission of response to EoI	1700 Hrs on 15.07.2025	1500 Hrs on 23.07.2025
2.	Date & Time of Opening of EoI	1730 Hrs on 15.07.2025	1530 Hrs on 23.07.2025

(GM/TM Bangalore)

For RailTel Corporation of India Limited

Corrigendum No 1 for the tender of Supply, Installation, Commissioning, Operation and Maintenance of

Upgradation of IT Infrastructure (RFP No NSIL/RFP/IT/UPG/2025/01)

No	Document & Section/Chapter	Reference	Existing Clause	Modified/Added/Deleted
1.	Document A and Document B	All clauses	Phrase "Installation & Commissioning"	Phrase "Installation & Commissioning" to be read as "Installation, commissioning & service migration"
2.	Document B	Sub-clause "xi" in Clause "d.Backup Server" in Appendix 'C' - NAS Storage and Backup Infrastructure AND Clause "i" in Appendix 'D' - RACK Servers AND Clause "i" in Appendix 'P' – Sys Log Server AND Clause "i" in Appendix 'Q' – SIEM Server	Ports – Front :2 USB, Rear: 4 USB, VGA=1	**Modified** Ports – Front :2 USB, Rear: 4 USB, VGA=1. Against the Server USB port requirement for 2 Front and 4 Rear USB ports, Vendor is allowed to offer server configuration with at least 1 front and 2 rear USB ports along with suitable external USB splitter to provide 2 USB ports at Front and 4 USB ports at Rear.
3.	Document B	All clauses	Energy Star 6.1 or equivalent	Phrase "Energy Star 6.1 or equivalent" to be read as "Energy Star Certified or equivalent"
4.	Document B Chapter 2	Appendix 'A' – Workstation Clause "c"	**Processor –** One CPU equivalent or better - Intel® Xeon® W5-2465X (16C 3.1 GHz, HT 33.75 MB 200W) or AMD on X86_64 architecture with equivalent or better specification.	**Modified** **Processor** – One CPU equivalent or better - Intel® Xeon® W5-2465X (16C 3.1 GHz, HT

				33.75 MB) or AMD on X86_64 architecture with equivalent or better specification.
5.	Document B Chapter 2	Appendix 'A' – Workstation Clause "d"	**Memory -** 128 GB DDR4-2133 ECC Registered memory spread across all memory channels or better configuration	**Modified** **Memory -** 128 GB DDR4-3200 ECC Registered memory spread across all memory channels or better configuration
6.	Document B Chapter 2	Appendix 'C' - NAS Storage and Backup Infrastructure Sub-clause "vii" of clause "a. High Available NAS"	During controller failover shall complete well with in before the client nodes detect file system or storage block is unavailable. Storage which requires remounting of file system or block storage during controller failover event should not be offered.	**Modified** During controller failure, the failover event shall complete before the client nodes detect file system or storage block is unavailable. Storage which requires remounting of file system or block storage during controller failover event should not be offered
7.	Document B Chapter 2	Appendix 'C' - NAS Storage and Backup Infrastructure Point 7 of Sub-clause "xiv. Storage Solution Features and Architecture" of clause "a. High Available NAS"	Each controller should be configured with at least 32 GB of memory.	**Modified** Controller should be configured with at least 64 GB memory per controller or higher based on the performance requirement
8.	Document B Chapter 2	Appendix 'D' - RACK Servers Clause "d"	**Internal Storage** – 6 Nos of 1.92TB SAS 12G Mixed Use SFF SSD Drive Writes Per Day (DWPD) > = 1	**Modified** **Internal Storage** – 6 Nos of 1.92TB SAS 12Gbps Mixed Use SFF SSD Drive with Writes Per Day (DWPD) > = 1
9.	Document B Chapter 2	Appendix 'E' – Edge Switches Sub-clause "iv" of clause "b. Port Requirement"	Switch should have dedicated slot for modular stacking, in addition to asked uplink ports.	**Modified** Switch should have dedicated slot for modular stacking, in addition to asked uplink ports. Stacking or Equivalent configuration acceptable

10	Document B Chapter 2	Appendix 'E' – Edge Switches Clause "c"	**Scalability requirement.** Offered switch should capable to support a future upgrade to 2 * 25Gbps uplink module.	<u>**Modified**</u> **Scalability requirement.** Offered switch should capable to support a future upgrade to 2 * 25Gbps uplink module. The back-plane of the offered switch must support this feature. NSIL will do required upgrade in future by adding required hardware on the existing switch with additional (extra) payment.
11	Document B Chapter 2	Appendix 'J' – All in One PCs Sub-clause "v" of clause "a.System Specifications"	Ports: USB Version 3.0 / 3.1, Ports: 4; USB Type C Ports: 1; VGA Ports: 1; HDMI Ports: 1; DP Port: 1; RJ-45 Ethernet Port – 1 No	<u>**Modified**</u> Ports: USB Version 3.0 / 3.1, Ports: 4; USB Type C Ports: 1; DP Port: 2; RJ-45 Ethernet Port – 1 No Note: If only 1 DP port is available and one HDMI port is available, it is acceptable provided the vendor supplies one HDMI to DP convertor.
12	Document B Chapter 2	Appendix 'Q' –SIEM Server Clause "CD1" New clause		<u>**Added**</u> Based on the offered SIEM solution, the SIEM server configuration if required may be enhanced suitably. However, if the SIEM solution can be hosted on lower configuration than the specified hardware configuration, Vendor must offer the configuration which is mentioned in the RFP.
13	Document B Chapter 2	Appendix 'U' –KVM and RKM	Supports up to 4 users as remote users over IP KVM Session and 1 local user	<u>**Modified**</u> Support for one remote and one local user. Both can be accessed in concurrent mode

		Sub-clause "ii" of Clause "b. Specifications for KVM Switch (Config1)"		
14	Document B Chapter 2	Appendix 'U' –KVM and RKM Sub-clause "ii" of Clause "c. Specifications for KVM Switch (Config2)"	Supports up to 4 users as remote users over IP KVM Session and 1 local user	**Modified** Support for one remote and one local user. Both can be accessed in concurrent mode
15	Document B Chapter 2	Appendix 'W' – Network Behavior Analytics (NBA/NBAD) Clause "l"	Throughput – The product must be licensed for total 7 Gbps average throughput	**Modified** Throughput – The product must be licensed for total 5 Gbps average throughput
16	Document B Chapter 2	Appendix 'W' – Network Behavior Analytics (NBA/NBAD) Clause "nn"	The solution must provide support for various OT protocols such as modbus, profinet, cip, bacnet_app,opcua, iccp, honeywell_phd, s7comm, bacnet_net,pccc, iec104, dnp3, goose, vnetip, bacnet_vlc, deltav, mqtt, etc. Minimum 10 OT protocol must be listed in datasheet.	**Modified** The solution must provide support for various OT protocols such as modbus, profinet, cip, bacnet_app,opcua, iccp, honeywell_phd, s7comm, bacnet_net,pccc, iec104, dnp3, goose, vnetip, bacnet_vlc, deltav, mqtt, etc. Minimum 10 OT protocol must be listed in datasheet/ OEM documentation. Vendor/OEM may also provide device console output to list-out the supported protocols as per specification in case OEM datasheet does not have listed protocols.
17	Document B Chapter 2	Appendix 'V' – SIEM Software with 3500 EPS Title of Appendix 'V'	Appendix 'V' – SIEM Software with 3500 EPS	Appendix 'V' – SIEM Software with 5000 EPS

18	Document B	All sections where 3500 EPS is mentioned.	All sections where 3500 EPS is mentioned.	"3500 EPS" to be read as "5000 EPS"
19	Document B Chapter 2	Appendix 'V' – SIEM Software with 5000 EPS Sub-clause "iv" of clause "a.Requirement"	The offered platform shall have following compliances – 1) SOC -3 Compliant product 2) ISO 27001, ISO 27017 and ISO 27018 compliant 3) Support Section 508 compliance	**Modified** The offered platform shall have following compliances – 1) SOC -3 Compliant product 2) ISO 27001, ISO 27017 and ISO 27018 compliant
20	Document B Chapter 2	Appendix 'V' – SIEM Software with 5000 EPS Sub-clause "v" of clause "a.Requirement"		**Added** SIEM solution shall be deployed at Bhopal, logs will be transported from other two location (using NSIL provided link) and ingested in the SIEM. Vendor to make suitable implementation.
21	Document B Chapter 2	Appendix 'V' – SIEM Software with 5000 EPS Sub-clause "iv" of clause "b.General"	The solution shall have visibility into platform environment and can control how long the data set to be retained with the environment.	**Modified** The solution shall have visibility into platform environment and can control how long the data set to be retained with the environment. Data retention shall be supported for Maximum 2 years. However, it must be configurable and NSIL will decide it during implementation.
22	Document B Chapter 2	Appendix 'V' – SIEM Software with 5000EPS Sub-clause "xix" of clause "b.General"	The solution shall provide easy sharing mechanism of dash board with anonymous users without compromising security of the infrastructure.	**Modified** The solution shall provide mechanism of sharing customised dash board with read only user access (RBAC)without compromising security of the infrastructure.
23	Document B Chapter 2	Appendix 'V' – SIEM Software with 5000EPS	Create new parsers (XML templates) via integrated parser development environment	**Modified**

		Sub-clause "xxvi" of clause "b.General"	and share among users via export/import function	Create new parsers via integrated parser development environment and share among users via export/import function
24	Document B Chapter 2	Appendix 'V' – SIEM Software with 5000 EPS Sub-clause "xxviii" of clause "b.General"	Incident response and case management: The platform shall include case management features that help security teams to organize and manage security incidents. This streamlines the incident response process, enabling teams to collaborate more effectively and resolve security issues faster. The features include 1) Automation and Incident Management 2) Policy-based incident notification framework 3) Ability to trigger a remediation script when a specified incident occurs 4) API-based integration to external ticketing systems 5) Built-in Case Management system 6) Incident reports can be structured to provide the highest priority to critical business services and applications 7) Incident Explorer — dynamically linking incidents to hosts, IPs and user to understand all related incidents quickly	**Deleted**
25	Document B Chapter 2	Appendix Y – UT Display Speifiation – Title	Appendix Y – UT Display Speifiation	**Modified** Appendix Y – UT Display Specification
26	Document B Chapter 2	Appendix Y – UT Display Specification		**Added** Resolution requirement is Full HD. Site is control room.

Overview of deployed Hardware and Services List for reference

Sno	Hardware/ Software Component	Details	Existing Hardware /Solution
1	**Firewall**	Deployment of new hardware	Fortinet
		Migration of existing Configuration to New device	
		Integration with Analyser and Logger	
2	**Router**	Deployment of new hardware	Cisco Routers
		Migration of existing Configuration to New device	
3	**Core Switches**	Deployment of new hardware	Netgear
		Migration of existing services and Clients to New device	
4	**Edge Switches**	Deployment of new hardware	Brocade Switches
		Migration of existing services and Clients to New device	
5	**Storage Solution**	New Storage Deployment	Netapp
		Data Migration and Syncing to new hardware from old storage	
		Integration with Tape Backup	

6	**Tape Solution**	Deployment of New solution	
		Integration with Storage Solution	HP Tape Backup
7	**LDAP Server**	Hosting of LDAP Environment	NIS
		Migration of NIS Configuration to LDAP	
		Migration of NIS Clients to LDAP Server	
8	**Syslog Server**	Hosting of Syslog Environment	
		Integration of all clients with Syslog Server	Syslog
9	**DNS Server**	Hosting of DNS Environment	
		Migration of Clients to DNS Environment	NIS
10	**Data Sync server**	Implementation of Data Syncing for data exchange with other Hosts	Hosted using LINUX RSYNC Utility
		Migration of existing configuration to new environment	
11	**FTP Server**	Hosting FTP/SFTP Environment	Hosted over Vsftp Daemon
		Implementation of System Hardening	
12	**Application Servers**	System Readiness	RHEL 7 , 8 and 9 version on HP/Dell Workstation

		Data and Services Migration	
13	**WorkStation Deployment**	Workstation deployment	RHEL Based Workstations
		Migration of Services from Existing Workstation	
14	**NDR Solution**	Implementation and Integration with Control Center Environment	-
15	**NMS Solution**	Implementation and Integration with Control Center Environment	
		Migration of clients from existing solution.	-
16	**SIEM Solution**	Hosting of SIEM Environment and Migration of all clients from Existing Open source ELK Solution (3 Nodes)	Hosted on OpenSource ELK Solution
17	**EDR Solution**	Implementation and Integration with Control Center Environment	-