

Corrigendum - V

Supply, Installation, Testing & Commissioning for Cloud Infrastructure
i.e. Storage, Backup, VPN, Security System of
Data Center (DC & DR), etc. of RailTel



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In reference to Tender for **Supply, Installation, Testing & Commissioning for Cloud Infrastructure** i.e. Storage, Backup, VPN, Security System of Data Center (DC & DR), etc. of RailTel against Tender No. RAILTEL/TENDER/OT/CO/ITP/2022-23/DC Infra Solution/002 dated 07.12.2022, all are advised to note following changes in the tender document:

SN	Pg. No.	RFP Clause No	RFP Clause	Revised Clause
1.	16	CHAPTER-3-A, Clause-4 Technical Requirement, S/N -1 of SOR-1, Secure Remote Access VPN	The appliance should be high performance purpose built next generation multi-tenant hardware with Network function virtualization. The Appliance should support multiple network functions virtualization with dedicated hardware resources for each virtual instance. It should also run 3rd party and open-source network functions on same appliance like Linux- CentOS/Ubuntu based applications	The Secure Remote Access VPN appliance should be available either virtual or hardware appliance.
2.	17	CHAPTER-3-A, Clause-4 Technical Requirement, S/N -5 of SOR-1, Secure Remote Access VPN	The appliance should have dedicated SSL Acceleration hardware card for handling SSL Traffic. The SSL traffic should not be process by generic CPU of the server.	The appliance should have SSL Acceleration feature for handling SSL Traffic.
3.	17	CHAPTER-3-A, Clause-4 Technical Requirement, S/N -6 of SOR-1, Secure Remote Access VPN	The Appliance should support traffic isolation, fault isolation and network isolation in order to meet the architectural environment. Each network function must have assigned dedicated hardware resources including I/O interfaces, memory, CPU, Hardware SSL card Cores, other optimization techniques - SRIO, DPDK CPU Pinning in order to ensure every network functions performs without affecting other functions with guaranteed performance.	The Appliance should support traffic isolation, fault isolation and network isolation in order to meet the architectural environment.
4.	17	CHAPTER-3-A, Clause-4 Technical Requirement, S/N -24 of SOR-1, Secure Remote Access VPN	The solution should support IPSEC tunnelling within SSL VPN tunnel.	The solution should support L3/IPSEC tunnelling within SSL VPN tunnel.

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5.	20	CHAPTER-3-A, Clause-4 Technical Requirement, S/N-3 of SOR-2 Backup Solution.	The proposed backup appliance should be provided with dual processors each with a minimum of 64 cores	The proposed backup appliance should be provided with dual processors with a minimum of 64 cores.																		
6.	37	CHAPTER-3-A, Clause-4 Technical Requirement, S/N-28 (Support Platform) of SOR-5, Antivirus for Server	 Windows Server 2012 R2 (64-bit) (when used with VMware vSphere 5.5 Update 2 or later).	 VMware ESXi 6.5 hypervisor with the latest updates or later.																		
7.	37	CHAPTER-3-A, Clause-4 Technical Requirement, S/N-30 (Virtual platform) of SOR-5, Antivirus for Server	Agentless Anti malware should support below: <table><tr><td>VMware ESXi 6.0 Hypervisor & higher</td></tr><tr><td>VMware ESXi 5.5 Hypervisor Update 2</td></tr><tr><td>VMware ESXi 5.1 Hypervisor Update 3</td></tr><tr><td>VMware vCenter 6.0.0a Server</td></tr><tr><td>VMware vCenter Server 5.5 Update 2e</td></tr><tr><td>VMware vCenter Server 5.1 Update 3a</td></tr><tr><td>VMware vShield Endpoint from the VMware vCloud™ Networking and Security 5.5.4.1 suite</td></tr><tr><td>VMware vShield Manager from the VMware vCloud Networking and Security 5.5.4.1 suite</td></tr><tr><td>VMware NSX 6.x & higher</td></tr></table>	VMware ESXi 6.0 Hypervisor & higher	VMware ESXi 5.5 Hypervisor Update 2	VMware ESXi 5.1 Hypervisor Update 3	VMware vCenter 6.0.0a Server	VMware vCenter Server 5.5 Update 2e	VMware vCenter Server 5.1 Update 3a	VMware vShield Endpoint from the VMware vCloud™ Networking and Security 5.5.4.1 suite	VMware vShield Manager from the VMware vCloud Networking and Security 5.5.4.1 suite	VMware NSX 6.x & higher	Agentless Anti malware should support below: <table><tr><td>Support VMware ESXi 6.5 hypervisor with the latest updates or later</td></tr><tr><td>Support VMware ESXi 6.5 hypervisor with the latest updates or later</td></tr><tr><td>VMware ESXi 6.5 hypervisor with the latest updates or later</td></tr><tr><td>VMware ESXi 6.5 hypervisor with the latest updates or later</td></tr><tr><td>Deleted</td></tr><tr><td>Deleted</td></tr><tr><td>Deleted</td></tr><tr><td>Deleted</td></tr><tr><td>VMware NSX 6.x or higher</td></tr></table>	Support VMware ESXi 6.5 hypervisor with the latest updates or later	Support VMware ESXi 6.5 hypervisor with the latest updates or later	VMware ESXi 6.5 hypervisor with the latest updates or later	VMware ESXi 6.5 hypervisor with the latest updates or later	Deleted	Deleted	Deleted	Deleted	VMware NSX 6.x or higher
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8.	37	CHAPTER-3-A, Clause-4 Technical Requirement, S/N-30 (Agent based antimalware) of SOR-5, Antivirus for Server	Agent based antimalware should support below- <table><tr><td>VMware ESXi 5.5 with the latest updates;</td></tr><tr><td>VMware ESXi 6.0 with the latest updates.;</td></tr><tr><td>Microsoft Windows Server 2012 R2 Hyper-V (in full installation mode or in Server Core mode) with all available updates.</td></tr><tr><td>Citrix XenServer 6.5 SPI</td></tr><tr><td>Citrix XenServer 6.2 SPI;</td></tr><tr><td>KVM (Kernel-based Virtual Machine) running the Ubuntu Server 14.04 LTS or CentOS 7 operating system</td></tr><tr><td>Citrix Provisioning Services 7.1;</td></tr><tr><td>Citrix XenDesktop 7.5.</td></tr><tr><td>VMware Horizon View 7</td></tr></table>	VMware ESXi 5.5 with the latest updates;	VMware ESXi 6.0 with the latest updates.;	Microsoft Windows Server 2012 R2 Hyper-V (in full installation mode or in Server Core mode) with all available updates.	Citrix XenServer 6.5 SPI	Citrix XenServer 6.2 SPI;	KVM (Kernel-based Virtual Machine) running the Ubuntu Server 14.04 LTS or CentOS 7 operating system	Citrix Provisioning Services 7.1;	Citrix XenDesktop 7.5.	VMware Horizon View 7	Agent based antimalware should support below- <table><tr><td>VMware ESXi 5.5 or higher with the latest updates;</td></tr><tr><td>VMware ESXi 6.0 or higher with the latest updates.;</td></tr><tr><td>Deleted</td></tr><tr><td>Deleted</td></tr><tr><td>Deleted</td></tr><tr><td>Ubuntu 14.04 LTS or later</td></tr><tr><td>Ubuntu 14.04 LTS or later</td></tr><tr><td>Debian GNU/Linux 8.5 or later.</td></tr><tr><td>Ubuntu 14.04 LTS or later</td></tr></table>	VMware ESXi 5.5 or higher with the latest updates;	VMware ESXi 6.0 or higher with the latest updates.;	Deleted	Deleted	Deleted	Ubuntu 14.04 LTS or later	Ubuntu 14.04 LTS or later	Debian GNU/Linux 8.5 or later.	Ubuntu 14.04 LTS or later
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9.	55	Chapter-4, Clause-3, Long Term Maintenance Support	Deleted	3. Long Term Maintenance Support 3.1. Bidder shall provide maintenance support for a minimum period of 5 years after successful completion of warranty obligations. The long term maintenance support shall be comprehensive and include all hardware and software equipment supplied against this contract. RailTel should be extended the benefits of software update/up-grades made by OEM on the system from time to time to improve performance. During this period the scope of work as mentioned in clause 2 of tender document & its sub clauses will be applicable.																		

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				3.2. Bidder shall be paid @ 3.5% (minimum) of supply cost (basic price excluding taxes, levies and all other charges) per annum towards Long Term Maintenance Support after completion of warranty period, to undertake repairs/replacements of all type of module/card/assembly/subassembly and update/upgrade of software released during this period and /or which may fail in the network after the warranty. Taxes will be as per actual at the time of execution of the AMC i.e. issue of AMC LOA. If the bidder quotes higher than 3.5%, he will be paid at his quoted rate per annum. Total AMC cost for two years will be taken for evaluation purpose. AMC would have to be valid for minimum period of 2 years after completion of warranty. This period of 2 years may be extended further for 3 more years on same rates and same terms & conditions. In case a bidder quotes AMC rates lower than 3.5% and if the bidder wins the contract, his cost against supply items will be reduced by differential (w.r.t. 3.5%) of AMC rates & he will be paid accordingly against the cost of supply. AMC charges to him, however, will be paid only @ 3.5% per annum. 3.3. Separate LOA for AMC shall be issued by RailTel before completion of warranty period and separate Agreement shall be signed with the Bidder. A fresh Bank Guarantee valid for a period of 4 months beyond the completion of

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				AMC from the date of LOA shall be required to be submitted by OEM/ Tenderer for due fulfillment of long term maintenance support obligation. Value of PBG will be 3% of the value of issued PO/LOA for AMC or as per Government of India guidelines applicable at the time of issue of PO/LOA for AMC. This PBG of AMC shall be submitted by the bidder within 30 days from the date of issue of LOA for the AMC. In case bidder does not submit the PBG in the stipulated time period, RailTel may encash the PBG given with the original LOA. 3.4. Quarterly payment for AMC Charges would be made by RailTel after successful completion of AMC Services of that quarter and on the certificate furnished by RailTel DC Team representative. 3.5. Detailed standard conditions applicable for the Annual Maintenance Contract between RailTel and the Contractor are as per tender document. Note: The acceptance of the above clauses is mandatory and specific acceptance from bidder/OEM is required to be enclosed as per Form no. 8 (Performa for Long term maintenance support) given below. Any deviation / non acceptance may lead to rejection of the bid

10. Performa for Long term maintenance support (Form-No-08):

To

General Manager,

RailTel Corporation of India Limited

Plate-A, 6th Floor, Office Tower-2,

NBCC Building, East Kidwai Nagar,

New Delhi-110023

Tender Reference No.:

Applicable for OEM directly participating in the tender

I / We hereby confirm that we have read specifications & tender conditions of RailTel Tender No. and accept that the requirement of Long Term Maintenance Support as per Clause 3 of Chapter-4, shall be met by us **directly or through our subsidiary in India** as per rates quoted in the Price Bid. I / We shall provide services as per terms and conditions pertaining to Long Term Maintenance Support of tender document.

OR

Applicable for Authorized Distributor/Partner of OEM/Bidder

I / We hereby confirm that we have read specifications & tender conditions of RailTel Tender No. and accept that the requirement of Long Term Maintenance Support as per Clause 3 of Chapter-4 shall be met for the mentioned/remaining period at the quoted prices by the bidder. I/We have gone through the requirement mentioned in the Tender Document and shall provide services as per terms and conditions pertaining to Long Term Maintenance Support of tender document.

(Signature of Firm's Authorized Officer)

Seal

Signature of witness:

1.

2.

Note: Please Strike out whichever is not applicable.

11. Accordingly, to incorporate SOR for Long Term Maintenance Support, Chapter-2, Schedule of Requirement is revised as under:

SOR	ITEM DESCRIPTION	UOM	QTY	Unit Rate (All inclusive) (in Rs.)		Total Cost (in Rs.)	
				In Fig	In word	In Fig	In word

SOR-1	Secure Remote access VPN With HA as per Technical Specification given in Chapter-3A.	Nos	1			
SOR-2	Backup solution with HA at both DC and DR as per Technical Specification given in Chapter-3A.	Nos	2			
SOR-3	DC-DR replication with HA at both DC and DR as per Technical Specification given in Chapter-3A.	Nos	2			
SOR-4	Firewall at DC as per Technical Specification given in Chapter-3A.	Nos	2			
SOR-5	Antivirus as per Technical Specification given in Chapter-3A.	Nos	120			
SOR-6	Rack Server as per Technical Specification given in Chapter-3A.	Nos	8			
SOR-7	SAN Storage at DC and DR as per Technical Specification given in Chapter-3A.	Nos	2			
SOR-8	NAS storage at DR as per Technical Specification given in Chapter-3A.	Nos	1			
SOR-9	SAN Switch at DC & DR as per Technical Specification given in Chapter-3A.	Nos	4			
Sub Total						
SOR-10	Annual Maintenance Charges (AMC) after warranty period of overall cost of supply portion as detailed in clause 3 of Chapter-4 of Tender Document	Years	2			
Grand Total						
Grand Total (In Words)						

The last date of submission of bids is also extended from 03.02.2023 to 10.02.2023. Tender will be opened at 15:30 Hrs. on 10.02.2023.

Rajeev Kumar
 07/02/2023
 (Rajeev Kumar)
 Dy. General Manager/ITP