



TAMIL NADU GRAMA BANK

RFP: TMD/9/2024-25 dated 26/11/2024

Amendments – 1 to RFP

SI No.	Section Details	Page No.	Type	Existing Clause	Amended Clause
1	3. Pre qualification Criteria of the Bidder Point No. 8	9	Amendment	The bidder should have successfully Installed and maintained VMware Private Cloud solution comprising components like vRealize Operation, vRealize Automation, NSX with a minimum of 1000+ Virtual Machines deployed and managed at Customer's DC and DR in India in the last 5 years for a minimum of 2 PSU Bank or Scheduled Commercial Bank or NBFC or Insurance Company or PSU or Private Organization in India. Documents complying the above criteria with numbers need to be submitted as a proof for the compliance.	The bidder should have successfully Installed and maintained VMware Private Cloud solution comprising components vRealize Operation, vRealize Automation, NSX with a minimum of 1000+ Virtual Machines deployed and managed at Customer's both DC and DR in Indian Market in the last 5 years for a minimum of 1 PSU Bank or Scheduled Commercial Bank or NBFC or Insurance Company or PSU or Government Organization in India or Private Organization in India. Multiple purchase orders from the same customers during the period will be accepted. Documents complying the above criteria with numbers need to be submitted as a proof for the compliance.
2	3. Pre qualification Criteria of the Bidder Point No. 9	9	Amendment	The bidder should have supplied and managed microsegmentation in a VMware Private Cloud with a minimum deployment of 4500+ cores managed at Customer's DC and DR in India in the last 5 years for a minimum of 2 PSU Bank or Scheduled Commercial Bank or NBFC or Insurance Company or PSU or Private Organization in India. Documents complying the above criteria with numbers need to be submitted as a proof for the compliance.	The bidder should have supplied and managed micro-segmentation in a VMware Private Cloud with a minimum deployment of 3500+ physical cores managed at Customer's both DC and DR in Indian Market in the last 5 years for a minimum of 1 PSU Bank or Scheduled Commercial Bank or NBFC or Insurance Company or PSU or Government Organization or Private Organization in India. Multiple purchase orders from the same customers during the period will be accepted. Documents complying the above criteria with numbers need to be submitted as a proof for the compliance.



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3	3. Pre qualification Criteria of the Bidder Point No. 10	9	Amendment	<p>The bidder should have OEM Certified engineers on their payroll, with at least 5 resources each with VMware Certified Professional on VMware Cloud Foundation.</p> <p>or</p> <p>The bidder should have OEM Certified engineers on their payroll, with at least 5 resources who have completed all the certifications below.</p> <ul style="list-style-type: none"> <input type="checkbox"/> VMware Certified Professional on Data Center Virtualization <input type="checkbox"/> VMware Certified Professional on Network Virtualization <input type="checkbox"/> VMware Certified Professional on Cloud Management and Automation. <p>Documents complying the above criteria with numbers need to be submitted as a proof for the compliance.</p>	<p>The bidder should have OEM Certified engineers on their payroll, with at least three resources who have completed the certifications as listed below.</p> <p>Resource one - VMware Certified Professional on VMware Cloud Foundation</p> <p>or VMware Certified Professional on Data Center Virtualization</p> <p>Resource Two - VMware Certified Professional on VMware Cloud Foundation</p> <p>or VMware Certified Professional on Network Virtualization</p> <p>Resource Three - VMware Certified Professional on VMware Cloud Foundation</p> <p>or VMware Certified Professional on Cloud Management and Automation.</p> <p>Documents complying the above criteria with numbers need to be submitted as a proof for the compliance.</p>
4	3. Pre qualification Criteria of the Bidder Point No. 12	10	Amendment	<p>The bidder should have OEM certified engineers on their payroll, with at least 5 Red Hat Certified Engineers (RHCE). Documents complying the above criteria with numbers need to be submitted as a proof for the compliance.</p>	<p>The bidder should have OEM certified engineers on their payroll, with at least three Red Hat Certified Engineers (RHCE). Documents complying the above criteria with numbers need to be submitted as a proof for the compliance.</p>
5	3. Pre qualification Criteria of the Bidder Point No. 13	10	Amendment	<p>The bidder should have OEM certified engineers on their payroll, with at least 5 resources, each holding either a Windows Server Hybrid Administrator Associate certification or Azure Administrator Associate certification. Documents complying the above criteria with numbers need to be submitted as a proof for the compliance.</p>	<p>The bidder should have OEM certified engineers on their payroll, with at least three resources, each holding either a Windows Server Hybrid Administrator Associate certification or Azure Administrator Associate certification. Documents complying the above criteria with numbers need to be submitted as a proof for the compliance.</p>
6	3. Pre qualification Criteria of the Bidder Point No. 14	10	Amendment	<p>The bidder should have successfully supplied minimum 50 Servers (Rack server or Blade servers) and its associated software deployed at Customer's DC and DR in India in the last 5 years for a minimum of 2 PSU Bank or Scheduled Commercial Bank or NBFC or Insurance Company or PSU or Private Organization in India.</p> <p>Documents complying the above criteria with numbers need to be submitted as a proof for the compliance.</p>	<p>The bidder should have successfully supplied minimum 50 Servers (cumulative of Rack server and Blade servers) and its associated software deployed at Customer's both DC and DR in India in the last 5 years for a minimum of 1 PSU Bank or Scheduled Commercial Bank or NBFC or Insurance Company or PSU or Government Organization in India or Private Organization in India. Documents complying the above criteria with numbers need to be submitted as a proof for the compliance.</p>



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7	27. SERVICE LEVEL AGREEMENT (SLA)	25	Amendment	1 % deduction of monthly contract value for the solution for every reduction in uptime by 0.01 %. If the uptime is below 98%, the Bank shall have full right to terminate the contract with the Bidder.	1 % deduction of monthly contract value for the solution for every reduction in uptime by 0.1 %. If the uptime is below 98%, the Bank shall have full right to terminate the contract with the Bidder. Maximum limit of penalty is capped at 10% of overall contract value.
8	27. SERVICE LEVEL AGREEMENT (SLA) Point V	25	Amendment	For all issues related to installed infrastructure, RCA (Root Cause Analysis) to be provided by the Bidder within 3 working days. The delay in submission will also lead to penalty.	For all issues related to installed infrastructure, RCA (Root Cause Analysis) to be provided by the Bidder within 3 working days. The delay in submission will also lead to penalty of Rs. 1000 /- per day per occasion separately.
9	28. TRAINING	26	Amendment	The successful bidder shall arrange on premise free training to the bank team for 2 days for each of the solution deployed. It should cover complete administration and customization & for day-to-day maintenance of the offered solutions for up to 10 officials of the Bank in Chennai office within 1 month after sign-off or before sign-off as per Bank's officer availability. The training should cover all aspects of the solution and should be classroom based.	The successful bidder shall arrange on-premise knowledge transfer for the bank team, for 2 days for each deployed solution, along with proper documentation. The training should cover complete administration, customization, and day-to-day maintenance of the offered solutions for up to 10 bank officials at the Chennai office, before sign-off or as per the bank officer's availability. The training should encompass all aspects of the solutions implemented.
10	35. EXCHANGE RATE VARIATION	29	Amendment	If the contract is extended for any period, beyond its expiry, the prices shall be fixed as per mutually agreed terms between the Bank and the Bidder. However, variation of exchange rate will not be considered.	If the contract is extended for any period, beyond its expiry, the prices shall be fixed as per mutually agreed terms between the Bank and the Bidder.
11	1.1 Scope of Work – (To be done by the Bidder): Point No.18	38	Amendment	Bidder and OEM should arrange the OEM training for all the technologies quoted as part of the proposed solutions for 3 batches with 8 members of Bank during the contract period (one batch each - 1st year, 2nd year & 4th year). No additional cost will be borne by Bank on these trainings.	The bidder and OEM should arrange physical OEM training for all the technologies and components specified in the RFP and implemented as part of the project, for 8 members from the bank. The training schedule will be as follows: 10 days during the 1st year, 5 days during the 2nd year, and 5 days during the 4th year of the contract period.
12	1.1 Scope of Work – (To be done by the Bidder): Point No. 19	38	Amendment	In addition to the above, any necessary user manuals, online study materials and certifications for the bank staff shall be arranged by the bidder for the Bank at no additional cost.	In addition to the above, all necessary user manuals, online/offline study materials for the bank staff shall be provided by the bidder for the Bank at no additional cost.
13	5. DELIVERY TIMELINE	50	Amendment	<u>Hardware:</u> Hardware along with the required accessories should be delivered within Six (6) Weeks from the date of Purchase Order at all the specified locations.	<u>Hardware:</u> Hardware along with necessary accessories should be delivered within six to seven (6-7) weeks from the date of purchase order at all the specified locations



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14	5. DELIVERY TIMELINE	50	Amendment	Implementation: Installation, configuration, integration of all the devices and go live of complete solution as per the requirement of the Bank to be completed within Four (4) weeks from the date of Delivery of Hardware.	Implementation: Installation, configuration, integration of all the devices and go live of complete solution as per the requirement of the Bank to be completed within eleven (11) weeks from the date of Purchase Order.
15	5. DELIVERY TIMELINE	51	Amendment	<u>Onsite Support Resources:</u> Onsite Support resources should be deployed at Bank's site within 6 weeks from the date of Purchase Order.	<u>Onsite Support Resources:</u> All onsite support resources mentioned in the RFP should be deployed at the bank's site before the implementation of the project begins.
16	1.RACK SERVER (2*32) – Server type 1 Point No. 4	53	Amendment	Processor: Each server must be provided with minimum 2 latest Intel processors, each having 32 Cores with clock speed at least 2.8 GHz or higher	Processor: Each server must be provided with minimum 2 latest Intel Xeon platinum processors (Emerald Rapid) or higher, each having 32 Cores with clock speed atleast 2.8 GHz or equivalent or higher.
17	1.RACK SERVER (2*32) – Server type 1 Point No. 11	53	Amendment	<u>Ethernet Adapter:</u> Should have 2 x Dual port 10/25G SFP+ Card populated with 25G SFP+. Should have 2 x Dual port 10GBaseT Ethernet adaptor. The server should be provided with card level redundancy. All ports need to be independent so as to provide high availability	<u>Ethernet Adapter:</u> Should have 2 x Dual port 10/25G SFP28 Card populated with 25G SFP28. Should have 2 x Dual port 10GBaseT Ethernet adaptor. The server should be provided with card level redundancy. All ports need to be independent so as to provide high availability
18	2. RACK SERVER (2x16) – Server Type 2 Point No. 11	58	Amendment	<u>Ethernet Adapter:</u> Should have 2 x Dual port 10/25G SFP+ Card populated with 25G SFP+. Should have 2 x Dual port 10GBaseT Ethernet adaptor. The server should be provided with card level redundancy. All ports need to be independent so as to provide high availability	<u>Ethernet Adapter:</u> Should have 2 x Dual port 10/25G SFP28 Card populated with 25G SFP28. Should have 2 x Dual port 10GBaseT Ethernet adaptor. The server should be provided with card level redundancy. All ports need to be independent so as to provide high availability
19	5. RACK SERVER (2*32) – Server type 4 Point No. 11	71	Amendment	<u>Ethernet Adapter:</u> Should have 2 x Dual port 10/25G SFP+ Card populated with 25G SFP+. Should have 2 x Dual port 10GBaseT Ethernet adaptor. The server should be provided with card level redundancy. All ports need to be independent so as to provide high availability	<u>Ethernet Adapter:</u> Should have 2 x Dual port 10/25G SFP28 Card populated with 25G SFP28. Should have 2 x Dual port 10GBaseT Ethernet adaptor. The server should be provided with card level redundancy. All ports need to be independent so as to provide high availability
20	2.RACK SERVER (2x16) – Server Type 2 Point No. 4	57	Amendment	Processor: Each server must be provided with minimum 2 latest Intel processors, each having 16 Cores with clock speed atleast 2.8 GHz or higher.	Processor: Each server must be provided with minimum 2 latest Intel Xeon platinum processors (Emerald Rapid) or higher, each having 16 Cores with clock speed atleast 2.8 GHz or equivalent or higher.



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21	3. BLADE SERVER (2 x 32) – Server Type 3 Point No. 4	62	Amendment	Processor: Each blade server must be provided with minimum 2 latest Intel Xeon Scalable Emerald Rapid processors or higher, each having 32 Cores with clock speed atleast 2.8 GHz or equivalent or higher.	Processor: Each blade server must be provided with minimum 2 latest Intel Xeon platinum processors (Emerald Rapid) or higher, each having 32 Cores with clock speed atleast 2.8 GHz or equivalent or higher.
22	4. BLADE ENCLOSURE Point No. 3 - Enclosure	66	Amendment	Should support six interconnect bays to configure 3+3 redundancy.	Should support full redundancy of interconnect bays and must be provisioned with no Single Point of Failure
23	4. BLADE ENCLOSURE Point No. 3 - Enclosure	66	Amendment	Should support Hot Pluggable & Redundant chassis management modules.	Should support Hot Pluggable & Redundant chassis management modules/console.
24	4. BLADE ENCLOSURE Point No. 3 - Enclosure	66	Amendment	Should support built-in management appliance in redundancy with separate management network from production network.	Should support built-in management appliance/Console in redundancy with separate management network from production network.
25	5. VSAN Ready Node (2x32) – Server Type 4 Point No. 4	71	Amendment	Processor: Each server must be provided with minimum 2 latest Intel processors, each having 32 Cores with clock speed atleast 2.5 GHz or higher.	Processor: Each server must be provided with minimum 2 latest Intel Xeon platinum processors (Emerald Rapid) or higher, each having 32 Cores with clock speed atleast 2.8 GHz or equivalent or higher.
26	Point No. 9 - SCSI Controllers	71	Amendment	Embedded / PCIe based x16 RAID controller with 8GB Flash backed write cache, supporting RAID 0,1, 5, 6, 10, 50, 60. Must support mix-and-match SAS,SATA, and NVMe drives to the same controller. Controller must support 6G SATA, 12G SAS, 16G NVMe.	Embedded / PCIe based RAID controller supporting minium RAID 0,1, pass-through and support mix-and-match SAS,SATA, and NVMe drives to the same controller.Controller must support 6G SATA, 12G SAS, 16G NVMe.
27	<u>TECHNICAL AND FUNCTIONAL SPECIFICATIONS</u> Point 18- OS Support	72	Amendment	<u>VMWare:</u> OEM Should have certification for VMWare Esxi 7.0 and later versions and VCF 4.5.2 and all later/upgraded/higher versions. Also, the supplied hardware should support all version upgrades coming in next 5 years. If hardware supplied by selected OEM is not compatible VMware releases during 5 years from date of commissioning, bidder need to replace hardware with compatible VMware release without any additional cost to the Bank.	<u>VMware:</u> OEM should provide certification for all the hardware on VMWare Esxi 8.0 and higher versions as well as the latest supported versions of VCF versions. Also, the supplied hardware should support all interim version upgrades during the contract period. If hardware supplied by selected OEM is not compatible with VMware releases during the contract period, bidder need to replace hardware with compatible VMware ESXI and VCF without any additional cost to the Bank.
28	6 Enterprise Class SAN Switch Point no. 3	75	Amendment	Minimum Dual SAN switches each with 64 ports shall be configured. Each switch shall be configured with 48 Ports populated with 32 Gbit/Sec FC SFP. Balance 16 ports shall be populated with 64 Gbit/ Sec FC SFP.	Each SAN switch, equipped with a minimum of 64 ports, shall be configured with 48 ports populated with 32 Gbit/sec FC SFPs, and the remaining 16 ports shall be populated with 64 Gbit/sec FC SFPs, without the use of split SFPs. All ports must operate independently, ensuring no single point of failure across any port



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29	6 Enterprise Class SAN Switch Point no. 4	75	Amendment	Should deliver 32 Gbit/Sec Non-blocking architecture with 1:1 performance for up to 48 ports in a energy-efficient fashion and shall support 64 Gbit/Sec Nonblocking architecture with 1:1 performance for the additional 16 ports	Should deliver 32 Gbit/Sec Non-blocking architecture with 1:1 performance for up to 48 ports in a energy-efficient fashion and shall support 64 Gbit/Sec Nonblocking architecture with 1:1 performance for the additional 16 ports without the use of port splitter SFP's.
30	6. Enterprise Class SAN Switch Point No.3	75	Amendment	Minimum Dual SAN switches each with 64 ports shall be configured. Each switch shall be configured with 48 Ports populated with 32 Gbit/Sec FC SFP. Balance 16 ports shall be populated with 64 Gbit/ Sec FC SFP.	Each SAN switch, equipped with a minimum of 64 ports, shall be configured with 48 ports populated with 32 Gbit/sec FC SFPs, and the remaining 16 ports shall be populated with 64 Gbit/sec FC SFPs, without the use of split SFPs. All ports must operate independently, ensuring no single point of failure across any port
31	6. Enterprise Class SAN Switch Point No.4	75	Amendment	Should deliver 32 Gbit/Sec Non-blocking architecture with 1:1 performance for up to 48 ports in a energy-efficient fashion and shall support 64 Gbit/Sec Nonblocking architecture with 1:1 performance for the additional 16 ports	Should deliver 32 Gbit/Sec Non-blocking architecture with 1:1 performance for up to 48 ports in a energy-efficient fashion and shall support 64 Gbit/Sec Nonblocking architecture with 1:1 performance for the additional 16 ports without the use of port splitter SFP's.
32	<u>TECHNICAL AND FUNCTIONAL SPECIFICATIONS</u> Point No. 33	77	Amendment	The proposed Hardware and Software generation should be less than one year from the date of RFP submission and the proposed Hardware and Software should not become End of Sales for two years from the date of the submission of the RFP and End of Support for 7 years from the date of the submission of the RFP.	The proposed Hardware and Software generation should be latest from the date of RFP submission and the proposed Hardware and Software should not become End of Sales for two years from the date of the submission of the RFP and End of Support for 7 years from the date of the submission of the RFP.
33	Tape Library Point No. 2	77	Amendment	<u>Tape Architecture:</u> Shall be offered with 80 Cartridge slots and shall be scalable to 280 slots.	<u>Tape Architecture:</u> Shall be offered with minimum 40 Cartridge slots and shall be scalable to 280 slots.
34	7 Tape Library Point No. 10	78	Amendment	The product / appliance should not be in any roadmap for End of Sale in next seven years as on date of RFP.	The product / appliance should not be in any roadmap for End of Support in next seven years as on date of RFP.
35	Intelligent PDU Specification Point No. 23	80	Amendment	Each IPDU should be supplied with two all in one sensor having the monitoring points of temperature, humidity, dewpoint, and airflow.	Each IPDU should be supplied with two all in one sensor having the monitoring points of temperature and humidity.
36	9. SOFTWARE LICENSES	81	Amendment	OEM part no. DG7GMGF0D5VX License description: Windows Server 2022 - 1user CAL with Software Assurance	OEM part no. R18-02410 License description: Windows Server 2022 - 1user CAL with Software Assurance
37	Point No. 9 - SCSI Controllers	53,58,62	Amendment	Integrated Hardware RAID Controller to supports RAID 0, 1 and higher	Integrated Hardware RAID Controller to supports RAID 0, 1 and higher with minimum 4 GB cache controller



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38	<u>TECHNICAL AND FUNCTIONAL SPECIFICATIONS</u> OS Support	54,59,64	Amendment	<p><u>VMware:</u> OEM Should have certification for VMWare Esxi 7.0 and later versions and VCF 4.5.2 and all later/upgraded/higher versions. Also, the supplied hardware should support all version upgrades coming in next 5 years. If hardware supplied by selected OEM is not compatible VMware releases during 5 years from date of commissioning, bidder need to replace hardware with compatible VMware release without any additional cost to the Bank.</p> <p><u>Red Hat-Enterprise Linux (RHEL):</u> OEM Should have certification for RHEL 8.0 and higherversions. For Red hat OpenShift container platform 4.8-4.12 and 4.13-4.X should be supported.</p>	<p><u>VMware:</u> OEM should provide certification for all the hardware on VMWare Esxi 8.0 and higher versions as well as the latest supported versions of VCF versions. Also, the supplied hardware should support all interim version upgrades during the contract period. If hardware supplied by selected OEM is not compatible with VMware releases during the contract period, bidder need to replace hardware with compatible VMware ESXI and VCF without any additional cost to the Bank.</p> <p><u>Red Hat-Enterprise Linux (RHEL):</u> OEM Should have certification for RHEL 8.0 and higherversions. For Red hat OpenShift container platform 4.16 and higher version should be supported.</p>
39	Warranty	57,61,65,69,74	Amendment	<p>5 Years 24/7 Warranty with 30 minutes Response Time and 6 hours Call to Resolution including part replacement, access to OEM support portal, OEM technical support on 24X7X365 basis.</p> <p>Successful Bidder must provide documentary proof from OEM post installation of the Hardware. Highest Level of Proactive and Reactive support covering Half yearly Firmware analysis, and Proactive Health analysis. All the disk/SSD/NVME components (Data Drives) including faulty disk components will be property of the bank and will not be returned to OEM/Sl.</p>	<p>5 Years 24/7 Warranty with 30 minutes Response Time and 6 hours Call to Repair including part replacement, access to OEM support portal, OEM technical support on 24X7X365 basis.</p> <p>Successful Bidder must provide documentary proof from OEM post installation of the Hardware. Proactive and Reactive support covering Halfyearly Firmware analysis, and Proactive Health analysis. All the disk/SSD/NVME components (Data Drives) including faulty disk components will be property of the bank and will not be returned to OEM/Sl.</p>
40	<u>TECHNICAL AND FUNCTIONAL SPECIFICATIONS</u> END OF LIFE	57,61,66,70,75	Amendment	<p>The proposed Hardware and Software generation should be less than one year from the date of RFP submission and the proposed Hardware and Software should not become End of Sales for two years from the date of the submission of the RFP and End of Support for 7 years from the date of the submission of the RFP.</p>	<p>The proposed Hardware and Software generation should be latest from the date of RFP submission and the proposed Hardware and Software should not become End of Sales for two years from the date of the submission of the RFP and End of Support for 7 years from the date of the submission of the RFP.</p>
41	1.1 Scope of Work – (To be done by the Bidder): Point No. 25	39	Deletion	<p>Provide personalized workshops with OEM technical subject matter experts to assist with the onboarding of the technology solutions.</p>	<p>Removed.</p>



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42	<u>TECHNICAL AND FUNCTIONAL SPECIFICATIONS</u> <u>END OF LIFE</u> 7. Tape Library Point No.10	78	Deletion	<p>Other Features: Tape library should be provided with Analytic software which should be capable of:</p> <ul style="list-style-type: none">a) Status information on the drive and systemb) System configuration operations and reportingc) System error and status logsd) Library and drive firmware upgrade capabilitiese) Diagnostic tests and informationf) Cartridge movement for maintenance and management purposesg) Cleaning cartridge supporth) Security and access controli) SNMP supportj) IPv6 and IPv4 network protocol support <p>Any other software required to manage the tape library shall be included as part of the solution with required licenses.</p>	Removed.
43	Annexure - XV		Addition	NA	Annexure - XV - Format for Local Content Declaration to be provided by OEMs.
44	Annexure - XVI		Addition	NA	Annexure - XVI - Format for Local Content Declaration to be provided by Bidder.

Annexure – XV
Certificate of Local Content as per Make in India Guidelines
(To be submitted on the letter head of OEM)

To
Asst. General Manager,
Tamil Nadu Grama Bank
Head Office,
Technology Management Department,
No.6, Yercaud Road,
Hasthampatti, Salem – 636 007

Dear Sir,

Sub: SUPPLY, INSTALLATION AND MAINTENANCE OF IT INFRASTRUCTURE ON CAPEX BASIS

Ref: GeM Bid Number

This is to certify that the proposed Hardware/Software against the above GeM tender is having the local content of _____ % as per Make in India, Order 2017 & its revisions.

The details of location(s) at which the local value addition is made are as under

S. No.	Make and Model	Name of Place

This certificate is submitted in reference to the Government of India, Ministry of Commerce and Industry, Department of Industrial Policy and Promotion order number P-45021/ 2/2017-B.E.-II dated 15th June 2017 for the Public Procurement (Preference to Make in India), Order 2017, revision order no. P-45021/ 2/2017-PP (B.E.-II) dated 28th May 2018, revision order no. P-45021/ 2/2017-PP (B.E.-II) dated 29th May 2019 and subsequent revision order no DPIIT Order No. P-45021/2/2017-PP(BE-II) dated June 04, 2020 and subsequent revision order no DPIIT Order No. P-45021/2/2017-PP(BE-II) dated September 16, 2020 & its amendments/clarifications issued (if any), referred to hereinabove.

Date:

Place:

Signature of authorised signatory

Name:

Designation:

Email id:

Mobile No:

Seal of the Company:

Annexure – XVI
Certificate of Local Content as per Make in India Guidelines

(To be submitted on the letter head of the Bidder and to be certified by Statutory Auditor/Cost Auditor)

To
Asst. General Manager,
Tamil Nadu Grama Bank
Head Office,
Technology Management Department,
No.6, Yercaud Road,
Hasthampatti, Salem – 636 007

Dear Sir,

Sub: SUPPLY, INSTALLATION AND MAINTENANCE OF IT INFRASTRUCTURE ON CAPEX BASIS

Ref: GeM Bid Number

This is to certify that the proposed Hardware/Software/Service against the above GeM tender is having the local content of _____ % as per Make in India, Order 2017 & its revisions.

The details of local content for various components in the tender are as under.

S. No.	Component	MII Local Content (%)* In the total project value
1	Hardware with 5 years warranty	
2	VMware Software for 3 years	
3	Microsoft Software for 3 years	
4	Red hat Software for 3 years	
5	Veeam Software for 3 years	
6	Zerto Software for 3 years	
7	Implementation for 3 years	
8	Onsite Support for 3 years	
9	Others -if any – Specify the component	
Total MII Local Content % in the Project Value (Sum of 1 to 9)		

***No commercial value should be mentioned**, only % of the local content in the quoted value should be mentioned.

This certificate is submitted in reference to the Government of India, Ministry of Commerce and Industry, Department of Industrial Policy and Promotion order number P-45021/ 2/2017-B.E.-II dated 15th June 2017 for the Public Procurement (Preference to Make in India), Order 2017, revision order no. P-45021/ 2/2017-PP (B.E.-II) dated 28th May 2018, revision order no. P-45021/ 2/2017-PP (B.E.-II) dated 29th May 2019 and subsequent revision order no DPIIT Order No. P-45021/2/2017-PP(BE-II) dated June 04, 2020 and subsequent revision order no DPIIT Order No. P-45021/2/2017-PP(BE-II) dated September 16, 2020 & its amendments/clarifications issued (if any), referred to hereinabove.

Date:

Place:

Signature of authorised signatory

Name:

Designation:

Email id:

Mobile No:

Seal of the Company

Clarifications – 1 to RFP

SI No.	RFP Clause	Existing Clause	Query/Representation received	Bank's response
1	3.Pre-Qualification criteria of the bidder- Point 9	The bidder should have supplied at least 2 full-time resident engineers supporting VMware Private Cloud solutions comprising components like vRealize Operation, vRealize Automation, NSX with a minimum of 1000+ Virtual Machines deployed and managed at Customer's DC and DR in Indian Market in the last 5 years for a minimum of 2 PSU Bank or Scheduled Commercial Bank, NBFC, Insurance Company, PSU, Private Organization in India. Documents complying the above criteria with numbers need to be submitted as a proof for the compliance.	Requesting TNGB to consider the following request : The bidder should have supplied at least 2 full-time resident engineers supporting VMware Private Cloud solutions comprising components like vRealize Operation, vRealize Automation, NSX with a minimum of 1000+ Virtual Machines deployed and managed at Customer's DC and DR in Indian Market in the last 5 years for a minimum of 1 PSU Bank or Scheduled Commercial Bank, NBFC, Insurance Company, PSU, Private Organization in India. Documents complying the above criteria with numbers need to be submitted as a proof for the compliance.	Refer Amendment.
2	3.Pre-Qualification criteria of the bidder- Point 10	The bidder should have supplied and managed micro-segmentation in a VMware Private Cloud with a minimum deployment of 4500+ cores managed at Customer's DC and DR in India in the last 5 years for a minimum of 2 PSU Bank or Scheduled Commercial Bank or NBFC or Insurance Company or PSU or Private Organization in India. Documents complying the above criteria with numbers need to be submitted as a proof for the compliance.	Requesting TNGB to consider the following request : The bidder should have supplied and managed micro-segmentation in a VMware Private Cloud with a minimum deployment of 4500+ cores managed at Customer's DC and DR in India in the last 5 years for a minimum of 1 PSU Bank or Scheduled Commercial Bank or NBFC or Insurance Company or PSU or Private Organization in India. Documents complying the above criteria with numbers need to be submitted as a proof for the compliance.	Refer Amendment.
3	3.Pre-Qualification criteria of the bidder- Point 12	The bidder should have OEM certified engineers on their payroll, with at least 5 Red Hat Certified Engineers (RHCE). Documents complying the above criteria with numbers need to be submitted as a proof for the compliance.	Requesting TNGB to consider the following request : The bidder should have OEM certified engineers on their payroll, with at least 3 Red Hat Certified Engineers (RHCE) with minimum accepted version of RHEL-7 or 5 Red Hat Certified System Administrator -(RHCSA) . Documents complying the above criteria with numbers need to be submitted as a proof for the compliance.	Refer Amendment.
4	3.Pre-Qualification criteria of the bidder- Point 14	The bidder should have successfully supplied minimum 50 Servers (Rack server or Blade servers) and its associated software deployed at Customer's DC and DR in India in the last 5 years for a minimum of 2 PSU Bank or Scheduled Commercial Bank or NBFC or Insurance Company or PSU or Private Organization in India. Documents complying the above criteria with numbers need to be submitted as a proof for the compliance.	Requesting TNGB to consider the following request : The bidder should have successfully supplied minimum 50 Servers (Rack server or Blade servers) and its associated software deployed at Customer's DC and DR in India in the last 5 years for a minimum of 1 PSU Bank or Scheduled Commercial Bank or NBFC or Insurance Company or PSU or Private Organization in India. Documents complying the above criteria with numbers need to be submitted as a proof for the compliance.	Refer Amendment.

5	1.Power of Attorney	In case of company, Board Resolution in favour of Authorized Person and Power of Attorney/Authorization letter (from authorized person executed on stamp paper of appropriate value)	Requesting bank to confirm whether the stamp Paper of appropriate value can be Rs.100 or Rs.200?	Stamp paper value should be Rs.200.
6	Annexure-II Integrity pact	Annexure-II Integrity pact (On Stamp Paper)	Requesting bank to confirm whether the stamp Paper can be Rs.100 or Rs.200?	Stamp paper value should be Rs.200.
7	1.1 Scope of Work – (To be done by the Bidder):	Multiple virtual machines of same configuration across single and multiple sites in single request for High availability - deployment of multiple VMs in any of the 2 sites	Kindly confirm VM HA should be site level or ESX host level	It will be shared with the successful bidder.
8	1. SCOPE OF WORK	a) Bidder to Supply and Install Servers, SAN Switches, Tape Library and Racks, RedHat Enterprise Operating System, Windows Server Operating System, MsSQL, VMware VCF, at Bank's DC and DR Site.	Kindly confirm required power ,RACK capacity are available for new servers,SAN and SAN switches both DC-DR sites.	It will be shared with the successful bidder.
9	1.1 Scope of Work – (To be done by the Bidder):	5. The management software wherever applicable, like Chassis, Rackserver, iPDUs, Tape libraries, SAN Switch and VMWare shall be configured and handed over to the Bank team in-full by activating all the necessary licenses.	Whether all SAN switch ports to be licensed or only required ports will be implemented with license .	All SAN switch ports to be licensed.
10	1.1 Scope of Work – (To be done by the Bidder):	6. Entire workflow should be built considering various scenarios like change in storage (adding disk, removing disk from VM), network, OS flavour, memory i.e., T-shirt sizing has to be provided and user should be able to Choose when requesting VM. User should be able to choose combination of OS, Application (MSSQL Standalone, Oracle RAC, Apache, Weblogic, Tomcat), T-shirt size and Platform (VMware) while deploying.	How many MSSQL standalone instance and Oracle RAC/standalone instances are running in the environment .Data capacity of Oracle RAC/standalone ,version and MSSQL version and capacity.	It will be shared with the successful bidder.
11	1.1 Scope of Work – (To be done by the Bidder):	6. Entire workflow should be built considering various scenarios like change in storage (adding disk, removing disk from VM), network, OS flavour, memory i.e., T-shirt sizing has to be provided and user should be able to Choose when requesting VM. User should be able to choose combination of OS, Application (MSSQL Standalone, Oracle RAC, Apache, Weblogic, Tomcat), T-shirt size and Platform (VMware) while deploying.	How many Weblogic instance are running .Is it HA or standalone instance and Howmany apache and Tomcat .Which OS its running .	It will be shared with the successful bidder.
12	1.1 Scope of Work – (To be done by the Bidder):	16. Implementation & Support for other software viz. GitLab, Redis, CI/CD Pipeline, Workflow automation, Kafka, etc. will have to be provided by the bidder.	Currently these environment are running or its future requirement for the bank with kubernet&containers.	It will be shared with the successful bidder.

13	1.1 Scope of Work – (To be done by the Bidder):	19. In addition to the above, any necessary user manuals, online study materials and certifications for the bank staff shall be arranged by the bidder for the Bank at no additional cost.	Each technology how many Certification Is required for bank staffs. Because its involved certifications cost from OEM.	Refer Amendment.
14	1.2 Scope of Work – (To be done directly by VMware professional visiting onsite):	TNGB VMware environment running vSphere 7.x has to be imported as a separate workload domain.	Vmware environment 7.x is under support ? .How many ESX host are running and VM's count like DB .Application,weblogic .Each VM's connected to SAN raw disk or datastore disks	It will be shared with the successful bidder.
15	27. SERVICE LEVEL AGREEMENT (SLA)	Uptime of the solution for High availability setup 99.90% to 100% NA Below 99.90% - 1 % deduction of monthly contract value for the solution for every reduction in uptime by 0.01 %. If the uptime is below 98%, the Bank shall have full right to terminate the contract with the Bidder.	Kindly confirm the upper cap of penalty for SLA failure.	Refer Amendment.
16	1. SCOPE OF WORK	h) The bidder should manage Bank's DC and DR Environment for the contract tenure with below responsibilities: <ul style="list-style-type: none"> • The bidder needs to integrate the Proposed Hardware and Software solution with Bank's existing hardware and software tools such as Existing Servers, SAN Storages, VMs, Networking switches, Antivirus Software, Firewall etc. for smooth functioning of the project. • Deployment of Tools, Industry Standard Framework and Resources to monitor the deployed Hardware and Software between Bank's DC and DR. • Upgrading the OS, firmware, patches, and preventive maintenance of hardware and software must be done once a quarter, and reports must be provided to the bank. The bidder needs to integrate with the bank's existing patch management tool for the deployment of patches for the hardware and software supplied to the bank. • Performing DC and DR Drill on periodic basis as per Bank's requirement. 	i. Kindly share the details of Existing Servers, SAN Storages, VMs, Networking switches, Antivirus Software, Firewall etc. to be integrated with new solution. ii. Kindly confirm the periodicity of DR drill.	i. It will be shared with the successful bidder. ii. The DR drill will be conducted once every six months or as per the bank's requirements.
17	1.1 Scope of Work – (To be done by the Bidder):	9. The architecture should be capable of running diverse applications like web applications, databases, etc.	Kindly share the details of web applications, databases, etc. to be integrated.	It will be shared with the successful bidder.

18	4. ONSITE TECHNICAL SUPPORT – GENERAL REQUIREMENTS	The bidder to Deploy Onsite Engineers, who will be working from 9.30 AM to 6.30 PM at Bank's Site (DC at Chennai/ DR, Hyderabad/Head Office, Salem) on day-to-day basis for hardware and software management.	Kindly share the deployment location details with number and category of engineers. Whether bank shall arrange necessary HW and SW Infra for the on-site resources?	Onsite resource engineers deployment site is already shared in the RFP. Category of engineers is already mentioned in the RFP. Hardware and Software infrastructure for the onsite resources will be provided by the bank.
19	4. ONSITE TECHNICAL SUPPORT – GENERAL REQUIREMENTS	Do periodic preventive health check / version upgrades for solutions under their purview.	Kindly confirm the periodicity of preventive health check.	This task will be performed once in every quarter.
20	4. ONSITE TECHNICAL SUPPORT – GENERAL REQUIREMENTS	FMS resources have to work in 24x7x365 kind of environment (except specifically mentioned) and should be ready to work in shifts and should be adequate to ensure the unhindered 24x7x365 operations and support.	Assume the 24x7x365 support required on request basis only. Normally the support timing will be 9.30 AM to 6.30 PM only, kindly confirm.	Normal timing for the onsite resource is 9.30 AM - 6.30 PM during bank working days. Based on the bank requirements, shift timings might change. In case of any exigencies reported by the bank, the onsite resources must be available until the issue is resolved.
21		General Query	Assume the defective retention policy applicable to data drives only, all other defectives shall be returned to vendor, kindly confirm.	Applicable to data drives and other storage devices where the data is stored.
22	28. TRAINING	The successful bidder shall arrange on premise free training to the bank team for 2 days for each of the solution deployed. It should cover complete administration and customization & for dayto- day maintenance of the offered solutions for up to 10 officials of the Bank in Chennai office within 1 month after sign-off or before sign-off as per Bank's officer availability. The training should cover all aspects of the solution and should be classroom based.	Clarity required on the training to be provided.	Refer Amendment.
23	1.1 Scope of Work – (To be done by the Bidder):	18. Bidder and OEM should arrange the OEM training for all the technologies quoted as part of the proposed solutions for 3 batches with 8 members of Bank during the contract period (one batch each - 1st year, 2nd year & 4th year). No additional cost will be borne by Bank on these trainings.		Refer Amendment.

24	General Tender Details- 9.EMD	Rs. 1,00,00,000/- (Rupees One Crore Only) to be submitted in the form of Bank Guarantee (BG) / Demand Draft / Online fund transfer on or before last date of Bid Submission in favour of Tamil Nadu Grama Bank, Salem. Bank Guarantee should be valid up to 9 months from the date of submission of the bid with claim period of 12 months.	Requesting customer to confirm whether the mentioned claim period and EMD BG Validity should be total of 12 months ?	Rs. 1,00,00,000/- (Rupees One Crore Only) to be submitted in the form of Bank Guarantee (BG) / Demand Draft / Online fund transfer on or before last date of Bid Submission in favour of Tamil Nadu Grama Bank, Salem. Bank Guarantee should be valid up to 9 months from the date of submission of the bid with claim period of additional 3 months.
25	Delivery Timeline	Hardware - Hardware along with necessary accessories should be delivered within 6 weeks from the date of purchase order at all the specified locations	Hardware - Hardware along with necessary accessories should be delivered within 8 weeks from the date of purchase order at all the specified locations Herewith requesting 8 weeks delivery timeline for hardware for delivery at respective locations	Refer Amendment.
26	Point 22	Warranty - 5 year 24/7 Warranty and 30 minutes response time and 6 hour call to resolution including part replacement, access to OEM support portal, OEM technical support on 24*7*365 basis. Successful bidder must provide documentary proof from OEM post installation of hardware. Highest level of proactive and reactive support covering half yearly firmware analysis and proactive health analysis. All the desk, SSD, NVMe components (Data Drives) including faulty disk components will be property of Bank and will not be returned to OEM/SI	Warranty - 5 year 24/7 Warranty and 30 minutes response time and 6 hour call to repair including part replacement, access to OEM support portal, OEM technical support on 24*7*365 basis. Successful bidder must provide documentary proof from OEM post installation of hardware. All the desk, SSD, NVMe components (Data Drives) including faulty disk components will be property of Bank and will not be returned to OEM/SI Herewith requesting to remove Highest level of proactive and reactive support covering half yearly firmware analysis and proactive health analysis	Refer Amendment.
27	Point 2	Shall be offered with 80 Cartridge slots and shall be scalable to 280 slots	Shall be offered with 40 Cartridge slots and shall be scalable to 640 slots Base Library is with 40 cartridge slots, which is scalable to 640 slots. and hence requesting this amendment. Kindly advice whether 80 slots are required ? Kindly review and advice.	Refer Amendment.

28	3. PRE-QUALIFICATION CRITERIA OF THE BIDDER, Sr. No. 8	The bidder should have successfully Installed and maintained VMware Private Cloud solution comprising components like vRealize Operation, vRealize Automation, NSX with a minimum of 1000+ Virtual Machines deployed and managed at Customer's DC and DR in India in the last 5 years for a minimum of 2 PSU Bank or Scheduled Commercial Bank or NBFC or Insurance Company or PSU or Private Organization in India. Documents complying the above criteria with numbers need to be submitted as a proof for the compliance	Please change the clause to: "The bidder should have successfully supplied/ maintained VMware Private Cloud solution comprising components like vRealize Operation, vRealize Automation, NSX with a minimum of 1000+ Virtual Machines deployed in the last 5 years for atleast one PSU Bank or Scheduled Commercial Bank or NBFC or Insurance Company or PSU or Private Organization in India. Documents complying the above criteria with numbers need to be submitted as a proof for the compliance"	Refer Amendment.
29	3. PRE-QUALIFICATION CRITERIA OF THE BIDDER, Sr. No. 9	The bidder should have supplied at least 2 full-time resident engineers supporting VMware Private Cloud solutions comprising components like vRealize Operation, vRealize Automation, NSX with a minimum of 1000+ Virtual Machines deployed and managed at Customer's DC and DR in Indian Market in the last 5 years for a minimum of 2 PSU Bank or Scheduled Commercial Bank, NBFC, Insurance Company, PSU, Private Organization in India. Documents complying the above criteria with numbers need to be submitted as a proof for the compliance.	Please change the clause to "The bidder should have supplied at least 2 full-time resident engineers supporting VMware Private Cloud solutions/VM Data Centre Virtualisation comprising components like vRealize Operation, vRealize Automation, NSX with a minimum of 1000+ Virtual Machines deployed and managed at Customer's DC and DR in Indian Market in the last 5 years for a minimum of 2 PSU Bank or Scheduled Commercial Bank, NBFC, Insurance Company, PSU, Private Organization in India. Documents complying the above criteria with numbers need to be submitted as a proof for the compliance."	Refer Amendment.
30	3. PRE-QUALIFICATION CRITERIA OF THE BIDDER, Sr. No. 10	The bidder should have supplied and managed microsegmentation in a VMware Private Cloud with a minimum deployment of 4500+ cores managed at Customer's DC and DR in India in the last 5 years for a minimum of 2 PSU Bank or Scheduled Commercial Bank or NBFC or Insurance Company or PSU or Private Organization in India. Documents complying the above criteria with numbers need to be submitted as a proof for the compliance	Please remove the Microsegmentation Clause as we have got experience in managing more than 50000 cores	Refer Amendment.

31	3. PRE-QUALIFICATION CRITERIA OF THE BIDDER, Sr. No. 11	<p>The bidder should have OEM Certified engineers on their payroll, with at least 5 resources each with VMware Certified Professional on VMware Cloud Foundation.</p> <p>or</p> <p>The bidder should have OEM Certified engineers on their payroll, with at least 5 resources who have completed all the certifications below.</p> <ul style="list-style-type: none"> <input type="checkbox"/> VMware Certified Professional on Data Center Virtualization <input type="checkbox"/> VMware Certified Professional on Network Virtualization <input type="checkbox"/> VMware Certified Professional on Cloud Management and Automation. <p>Documents complying the above criteria with numbers need to be submitted as a proof for the compliance</p>	Request clause to be amended to: Minimum 2 resources with VMware Datacenter Virtualization.	Refer Amendment.
32	3. PRE-QUALIFICATION CRITERIA OF THE BIDDER, Sr. No. 12	<p>The bidder should have OEM certified engineers on their payroll, with at least 5 Red Hat Certified Engineers (RHCE). Documents complying the above criteria with numbers need to be submitted as a proof for the compliance.</p>	Request clause to be amended to: minimum 2 resources with RHCE Certification.	Refer Amendment.
33	3. PRE-QUALIFICATION CRITERIA OF THE BIDDER, Sr. No. 13	<p>The bidder should have OEM certified engineers on their payroll, with at least 5 resources, each holding either a Windows Server Hybrid Administrator Associate certification or Azure Administrator Associate certification. Documents complying the above criteria with numbers need to be submitted as a proof for the compliance</p>	Request clause to be amended to: Minimum 2 resources with Azure/Microsoft Architect Certificate or Equivalent	Refer Amendment.
34	3. PRE-QUALIFICATION CRITERIA OF THE BIDDER, Sr. No. 14	<p>The bidder should have successfully supplied minimum 50 Servers (Rack server or Blade servers) and its associated software deployed at Customer's DC and DR in India in the last 5 years for a minimum of 2 PSU Bank or Scheduled Commercial Bank or NBFC or Insurance Company or PSU or Private Organization in India.</p> <p>Documents complying the above criteria with numbers need to be submitted as a proof for the compliance.</p>	Please change the clause to minimum 10 servers and 50 cumulative	Refer Amendment.

35	PRE-QUALIFICATION CRITERIA OF THE BIDDER	The bidder should have successfully Installed and maintained VMware Private Cloud solution comprising components like vRealize Operation, vRealize Automation, NSX with a minimum of 1000+ Virtual Machines deployed and managed at Customer's DC and DR in India in the last 5 years for a minimum of 2 PSU Bank or Scheduled Commercial Bank or NBFC or Insurance Company or PSU or Private Organization in India. Documents complying the above criteria with numbers need to be submitted as a proof for the compliance.	Bidder can submit multiple PO's comprising solution with respect to like vRealize Operation, vRealize Automation, NSX	Refer Amendment.
36	PRE-QUALIFICATION CRITERIA OF THE BIDDER	The bidder should have OEM Certified engineers on their payroll, with at least 5 resources each with VMware Certified Professional on VMware Cloud Foundation. or The bidder should have OEM Certified engineers on their payroll, with at least 5 resources who have completed all the certifications below. a) VMware Certified Professional on Data Center Virtualization b) VMware Certified Professional on Network Virtualization c) VMware Certified Professional on Cloud Management and Automation. Documents complying the above criteria with numbers need to be submitted as a proof for the compliance.	Bidder can submit multiple resources certified on each technology. a) VMware Certified Professional on Data Center Virtualization b) VMware Certified Professional on Network Virtualization c) VMware Certified Professional on Cloud Management and Automation.	Refer Amendment.
37	Delivery Time line	Hardware along with the required accessories should be delivered within Six (6) Weeks from the date of Purchase Order at all the specified locations.	Request bank to extend the Hardware delivery lead time upto 8 weeks	Refer Amendment.
38	Implementation	Installation, configuration, integration of all the devices and go live of complete solution as per the requirement of the Bank to be completed within Four (4) weeks from the date of Delivery of Hardware.	Request bank to extend the implementation timeline upto 8 weeks	Refer Amendment.
39	Onsite Support Resources:	Onsite Support resources should be deployed at Bank's site within 6 weeks from the date of Purchase Order.	Request bank to extend the resource deployment upto 8 weeks	No Change in RFP terms.
40	Microsoft Licenses	DG7GMGF0D5VX - Windows Server 2022 - 1 user CAL with Software Assurance	This part code states perpetual license without SA , bank to confirm whether the license required with SA	Refer Amendment.
41	Rack Server type 1 & 2: OS Support – VMware	Also, the supplied hardware should support all version upgrades coming in next 5 years. If hardware supplied by selected OEM is not compatible VMware releases during 5 years from date of commissioning, bidder need to replace hardware with compatible VMware release without any additional cost to the Bank.	While we support VMware new versions which will be released, but the hardware compatibility depends on the licensing vendor code changes. We cannot commit on the supportability of replacing hardware	Refer Amendment.

42	End of Life:	The proposed Hardware and Software generation should be less than one year from the date of RFP submission and the proposed Hardware and Software should not become End of Sales for two years from the date of the submission of the RFP and End of Support for 7 years from the date of the submission of the RFP.	Current latest generation Intel processor is more than 1 year old Request the bank to amend the same to latest generation Hardware & Software available at the date of RFP submission.	Refer Amendment.
43	vSAN Ready Node: SCSI Controllers:	Embedded / PCIe based x16 RAID controller with 8GB Flash backed write cache, supporting RAID 0,1, 5, 6, 10, 50, 60. Must support mix-and-match SAS,SATA, and NVMe drives to the same controller.Controller must support 6G SATA, 12G SAS, 16G NVMe.	In vSAN architecture storage drive are managed by vSAN and there is no role of RAID controller for both SSD/NVMe chassis. Request the bank to amend this to H335i pass through controller for SAS/SATA chassis & No RAID for NVMe chassis.	Refer Amendment.
44	OS Support:	OEM Should have certification for VMWare Esxi 7.0 and later versions and VCF 4.5.2 and all later/upgraded/higher versions. Also, the supplied hardware should support all version upgrades coming in next 5 years. If hardware supplied by selected OEM is not compatible VMware releases during 5 years from date of commissioning, bidder need to replace hardware with compatible VMware release without any additional cost to the Bank.	While we support VMware new versions which will be released, but the hardware compatibility depends on the licensing vendor code changes. We cannot commit on the supportability of replacing hardware	Refer Amendment.
45	SAN Switch:	proposed SAN Switch must be compatible with the existing SAN model available with Bank (SN3000B) for communication over ISL protocol	The SAN Switch being proposed supports 32G & 64G FC protocol, there is no limitation on compatibility for connecting to other switch with 32G FC protocol. Request to take check with HP also if they have any limitation in the mentioned HP switch model.	Bidder has to take up with OEM
46	SAN Switch:	The proposed Hardware and Software generation should be less than one year from the date of RFP submission and the proposed Hardware and Software should not become End of Sales for two years from the date of the submission of the RFP and End of Support for 7 years from the date of the submission of the RFP.	Current latest generation Intel processor is more than 1 year old Request the bank to amend the same to latest generation Hardware & Software available at the date of RFP submission.	Refer Amendment.
47	Tape Library	Offered Library shall be provided with a hardware device like USB key, separate appliance etc. to keep all the encrypted keys in a redundant fashion.	This is not part of Tape Library hence additional items required will be quoted seperately.	Adhere to the RFP
48	Tape Library	All required software and licenses to run the full functionality of product should be provided by bidder with best level of warranty/support.	Tape Library support encryption but separate encryption software is needed	Adhere to the RFP

49	Tape Library	The product / appliance should not be in any roadmap for End of Sale in next seven years as on date of RFP.	The current generation hardware will go end of sale in next 7 years and product end of sale will not effect on the supportability. Requesting the bank to amend the point to end of support in next 7 years instead of end of sale.	Refer Amendment.
50	Page-09-3. PRE-QUALIFICATION CRITERIA OF THE BIDDER	The bidder should have successfully Installed and maintained VMware Private Cloud solution comprising components like vRealize Operation, vRealize Automation, NSX with a minimum of 1000+ Virtual Machines deployed and managed at Customer's DC and DR in India in the last 5 years for a minimum of 2 PSU Bank or Scheduled Commercial Bank or NBFC or Insurance Company or PSU or Private Organization in India. Documents complying the above criteria with numbers need to be submitted as a proof for the compliance.	Allow 250+ VM's for one customer in VMware Private cloud in BFSI has to be managed in DC and DR site with in the last 7 years.	Refer Amendment.
51	Page-09-3. PRE-QUALIFICATION CRITERIA OF THE BIDDER	The bidder should have supplied at least 2 full-time resident engineers supporting VMware Private Cloud solutions comprising components like vRealize Operation, vRealize Automation, NSX with a minimum of 1000+ Virtual Machines deployed and managed at Customer's DC and DR in Indian Market in the last 5 years for a minimum of 2 PSU Bank or Scheduled Commercial Bank, NBFC, Insurance Company, PSU, Private Organization in India. Documents complying the above criteria with numbers need to be submitted as a proof for the compliance.	Allow one customer with two full time engineer managed 250+ VM's on VMware Private Cloud Infra in BFSI in the last 7 Years.	Refer Amendment.
52	Page-09-3. PRE-QUALIFICATION CRITERIA OF THE BIDDER	The bidder should have supplied and managed microsegmentation in a VMware Private Cloud with a minimum deployment of 4500+ cores managed at Customer's DC and DR in India in the last 5 years for a minimum of 2 PSU Bank or Scheduled Commercial Bank or NBFC or Insurance Company or PSU or Private Organization in India. Documents complying the above criteria with numbers need to be submitted as a proof for the compliance.	Request you to consider cumulative of 2 different customer with minimum of 3000 cores in a VMware Private Cloud infra in the last 7 years.	Refer Amendment.
53	Page-09-3. PRE-QUALIFICATION CRITERIA OF THE BIDDER	The bidder should have OEM Certified engineers on their payroll, with at least 5 resources each with VMware Certified Professional on VMware Cloud Foundation. or	Request you to allow minimum of 3 certified resource for VCF Professional.	Refer Amendment.
54		The bidder should have OEM Certified engineers on their payroll, with at least 5 resources who have completed all the certifications below.		Refer Amendment.

55	Page-10-. PRE-QUALIFICATION CRITERIA OF THE BIDDER	The bidder should have OEM certified engineers on their payroll, with at least 5 Red Hat Certified Engineers (RHCE). Documents complying the above criteria with numbers need to be submitted as a proof for the compliance.	Request to allow minimum of 3 certified on Redhat certified Engineers	Refer Amendment.
56	Page-10-3. PRE-QUALIFICATION CRITERIA OF THE BIDDER	The bidder should have OEM certified engineers on their payroll, with at least 5 resources, each holding either a Windows Server Hybrid Administrator Associate certification or Azure Administrator Associate certification. Documents complying the above criteria with numbers need to be submitted as a proof for the compliance.	Request to allow minimum of 3 certified on Microsoft Azure certified.	Refer Amendment.
57	Page no 22-Payment terms	On Delivery of all the Hardware and deployment of Onsite Support resources. Amount --70 % of [A]	Request to amend the clause as 80% On Delivery of all the Hardware[A] and Software [B]	No Change in RFP terms.
58	Page no 22-Payment terms	On successful Installation and Integration of all Devices, Go- Live of solution and after SIGN-OFF provided by Bank.	Request to amend the clause as 20% of hardware [A] and Software[B] and 50% of [C] on successful Installation and Integration of all Devices,Go-Live of solution and after SIGN-OFF provided by Bank.	No Change in RFP terms.
59	Page no 22-Payment terms	3 months after Sign-Off and successful running of the solution.--50% of [C]	Request to amend the clause as 50% of [C], 2 months after Sign-Off and successful running of the solution	No Change in RFP terms.
60	Page no 22-Payment terms- Software Cost (B)	Software Cost shall be paid yearly in advance for three years in three equal installments. First year payment will be made on successful installation and Go-Live of the solution.	If the above changes are done , this clause is not required.	No Change in RFP terms.
61	Page 29(clause 36)	TERMINATION OF CONTRACT FOR CONVENIE	Request to Remove the clause	No Change in RFP terms.
62	Page no. 24 clause (m)	The bidder has to maintain a guaranteed minimum uptime of 99.90% for all systems/ solutions supplied under this RFP to avoid any business disruption due to breakdown of system or degraded performance impacting business or unavailability of data. The calculation of uptime will be on a monthly basis	Request to Amend as SLA should be 99.90 % for the solutions	No Change in RFP terms.
63	Page no. 24 clause (r)	a) The bidder is required to mandatorily conduct quarterly preventive and breakdown maintenance activities to ensure (without any impact on day-to-day operations) to maintain uptime of 99.90% uptime on monthly basis covering 24*7*365 days.	Request to Amend as 99.90 % uptime on quarterly basis	No Change in RFP terms.

64	Page no. 24 clause (k)	There cannot be more than 2 occurrence of same error of whatsoever is the nature. If there happens to be a third occurrence, then the equipment has to be replaced and the new equipment will have the same warranty conditions applicable. Further repetition of this phenomenon will disqualify the purchase order and bank may blacklist the Supplier	This is not industry standard clause..request to remove the clause	No Change in RFP terms.
65	Page no. 25 clause (v)	For all issues related to installed infrastructure, RCA (Root Cause Analysis) to be provided by the Bidder within 3 working days. The delay in submission will also lead to penalty	Request to amend 0.5% deduction of monthly contract value for the solution for every reduction in uptime by 0.01 %	Refer Amendment.
66	Page no. 25 -Man Power Management	If any of the Production Servers, Application, Storage and Other IT Infrastructure hosted at Data Centre are down and which has caused business impact/loss to Bank for reasons solely attributable to the Company (i.e. due to deficiency in Services rendered by Company Engineers).	Kindly remove storage from this clause.	No Change in RFP terms.
67	Page 29(clause 36)	TERMINATION OF CONTRACT FOR CONVENIENCE	There is the termination on breach of contract and so request to remove the is particular clause.	No Change in RFP terms.
68	Page 49-Delivery Time-Hardware	Hardware along with the required accessories should be delivered within Six (6) Weeks from the date of Purchase Order at all the specified locations.	Request to Amend as delivery time line for Hardware would be 10weeks	Refer Amendment.
69	Page 49-Delivery Time-Implementation	Installation, configuration, integration of all the devices and go live of complete solution as per the requirement of the Bank to be completed within Four (4) weeks from the date of Delivery of Hardware.	Request to amend as the Implementation timeline for this project would be 6 weeks	Refer Amendment.
70	Page 49-Delivery Time-Onsite Support Resources	Onsite Support resources should be deployed at Bank's site within 6 weeks from the date of Purchase Order.	Onsite Support resources should be deployed at Bank's site within 12 weeks from the date of Purchase Order.	Refer Amendment.
71	Page No 23-Liquidated Damages-IV			Adhere to the RFP
72	Page 79,RACK ,point no 18	The Rack frame should be strong & durable, with nine folded solid frame profiles that can support at least 1300 kg weight static load, and 1000 kg dynamic load.	Request to change as 1200Kgs of Static Load and 600Kgs of Dynamic Load as per UL Standard	No Change in RFP terms.
73	Page 80,Intelligent PDU,Point no 23	Each IPDU should be supplied with two all in one sensor having the monitoring points of temperature, humidity, dewpoint, and airflow	Request to change as Each IPDU should be supplied with two all in one sensor having the monitoring points of temperature and Humidity	Refer Amendment.
74	Page no 80,Intelligent PDU,Point no 25	The IPDU should have dual 10/100/1000Mbps ethernet port	Request to amend as PDU shall have one 10/100/1000Mbps ethernet port & one 10/100Mbps ethernet port.	No Change in RFP terms.

75	Page no 26,Point no 28,Training	The successful bidder shall arrange on premise free training to the bank team for 2 days for each of the solution deployed. It should cover complete administration and customization & for day- to-day maintenance of the offered solutions for up to 10 officials of the Bank in Chennai office within 1 month after sign-off or before sign-off as per Bank's officer availability. The training should cover all aspects of the solution and should be classroom based	Kindly change this clause to : "The successful OEM shall arrange on premise free training to the bank team for 2 days for each of the solution deployed. It should cover complete administration and customization & for day to-day maintenance of the offered solutions for up to 10 officials of the Bank in Chennai office within 1 month after sign-off or before sign-off as per Bank's officer availability. The training should cover all aspects of the solution and should be classroom based. "	Refer Amendment.
76	Page no 77,Tape Library-Point No 2,Tape Architecture	Shall be offered with 80 Cartridge slots and shall be scal	Our slots come in multiple of 50. We have to provide 100 slots which is 6 U rack size . 50 slots is 3 U...Kindly Clarify	Refer Amendment.
77	Page 77,Tape library		Kindly clarify whether the require Drive is full height or Half height ?	It can be either half height or full height. There should be atleast one drive should be free for future use.
78	Page 72,BLADE SERVER (2 x 32) – Server Type 3 - 14 Security	System should support Encryption of the data on both the internal storage and cache module of the array controllers using encryption keys. Should support local key management for single server and remote key management for central management for enterprisewide data encryption deployment.	Request bank to modify this clause. "System should support Encryption of the data. Should support remote key management for central management for enterprise wide data encryption deployment. "	No Change in RFP terms.
79	Page 72,BLADE SERVER (2 x 32) – Server Type 3 - 17 Expansion Slots	Minimum of 3 Nos * 16 PCIe 5.0 based mezzanine slots supporting Converged Ethernet, Ethernet, FC adapters and SAS adaptors.	Minimum of 3 Nos * 16 PCIe 5.0 based mezzanine or Internal slots supporting Converged Ethernet/ Ethernet/FC adapters or SAS adaptors.	No Change in RFP terms.
80	Page 72,BLADE SERVER (2 x 32) – Server Type 3 - 19 Blade Chassis	The Blade servers should be populated across minimum 2 Blade chassis in each DC to offer Chassis level redundancy and atleast 2 blade slot must be free in each chassis after populating all the required blade servers.	The Blade servers should be populated across minimum 2 Blade chassis in each DC to offer Chassis level redundancy and atleast 1 blade slot must be free in each chassis after populating all the required blade servers.	No Change in RFP terms.
81	Page 75, BLADE ENCLOSURE - 3 Enclosure	Should support six interconnect bays to configure 3+3 redundancy.	Should support full redundancy of interconnect bays and must be provisioned with no Single Point of Failure	Refer Amendment.
82	Page 75, BLADE ENCLOSURE - 3 Enclosure	Should support Hot Pluggable & Redundant chassis management modules.	Should support Hot Pluggable & Redundant management Console	Refer Amendment.
83	Page 75, BLADE ENCLOSURE - 3 Enclosure	Should support built-in management appliance in redundancy with separate management network from production network.	Should support built-in management appliance/Console in redundancy with separate management network from production network.	Refer Amendment.
84	Page 76,BLADE ENCLOSURE - 4 Interconnects	Should support housing of FCoE, Ethernet, FC and SAS interconnect fabrics offering hot pluggable and redundancy as a feature	Should support housing of FCoE/ Ethernet/FC/ SAS interconnect fabrics offering hot pluggable and redundancy as a feature	No Change in RFP terms.

85	Page 86, Enterprise Class SAN Switch - 3	Minimum Dual SAN switches each with 64 ports shall be configured. Each switch shall be configured with 48 Ports populated with 32 Gbit/Sec FC SFP. Balance 16 ports shall be populated with 64 Gbit/ Sec FC SFP.	Minimum Dual SAN switches each with 64 ports shall be configured. Each switch shall be configured with 48 Ports populated with 32 Gbit/Sec FC SFP. Balance 16 ports shall be populated with 64 Gbit/ Sec FC SFP without using split SPF	Refer Amendment.
86	Page 86, Enterprise Class SAN Switch - 4	Should deliver 32 Gbit/Sec Non-blocking architecture with 1:1 performance for up to 48 ports in a energy-efficient fashion and shall support 64 Gbit/Sec Nonblocking architecture with 1:1 performance for the additional 16 ports	Should deliver 32 Gbit/Sec Non-blocking architecture with 1:1 performance for up to 48 ports in a energy-efficient fashion and shall support 64 Gbit/Sec Nonblocking architecture with 1:1 performance for the additional 16 ports without using Port Splitter SFP	Refer Amendment.
87	Page 86, Enterprise Class SAN Switch - 5	Switch should support multiprotocol architecture such as FC, FCIP and FCR	Switch should support multiprotocol architecture such as FC and FCR	No Change in RFP terms.
88	Page 87, Enterprise Class SAN Switch - 9	Offered SAN Switch shall support less than 460 nano second for port to port latency with no contention.	Offered SAN Switch shall support less than 2 micro second for port to port latency with no contention. Every OEM use different mechanism of SAN Switching architcture . Cisco use Store and Forward and Brocade use cut-through . This changes the latency numbers. Switch latency donot have any impact on FC Switching when compared to Storage Controller and Server latency overall . Request bank to change this clauses to help Cisco qualify in this RFP.	No Change in RFP terms.
89	Page 88, Enterprise Class SAN Switch - 29	The proposed SAN Switch must be compatible with the existing SAN model available with Bank (SN3000B) for communication over ISL protocol.	The proposed SAN Switch must be compatible with the existing SAN model available with Bank (SN3000B) for communication over ISL protocol. Or OEM must consider replacing with compatible SAN Infra. SN3000B is going end of Life in next few months . Compatibilty with this exsiting switch gives advantage to exsiting OEM . We request bank to help consider changing this clause.	No Change in RFP terms.
90	Page no 58,	Hardware along with the required accessories should be delivered within Six (6) Weeks from the date of Purchase Order at all the specified locations.	Hardware along with the required accessories should be delivered within Ten (10) Weeks from the date of Purchase Order at all the specified locations. We request bank to consider this change , as Freight time has been extended for any material shipped from US / Mexico by 2 - 3 weeks due to War Zone flying & Shipping restrictions	Refer Amendment.

91	Page 53,SCSI Controllers	Integrated Hardware RAID Controller to supports RAID 0, 1 and higher	Request you to modified with Raid 0.1 with 4 GB cache controller, A RAID controller's primary functions are to combine multiple storage drives into a single drive and to create redundancy to ensure data is usable if a drive fails. Hardware RAID controllers often have a cache memory and a battery backup to improve performance and data protection	Refer Amendment.
92	Page 57,SCSI Controllers	Integrated Hardware RAID Controller to supports RAID 0, 1 and higher	Request you to modified with Raid 0.1 with 4 GB cache controller, A RAID controller's primary functions are to combine multiple storage drives into a single drive and to create redundancy to ensure data is usable if a drive fails. Hardware RAID controllers often have a cache memory and a battery backup to improve performance and data protection	Refer Amendment.
93	Page 62,SCSI Controllers	Integrated Hardware RAID Controller to supports RAID 0, 1 and higher	Request you to modified with Raid 0.1 with 4 GB cache controller, A RAID controller's primary functions are to combine multiple storage drives into a single drive and to create redundancy to ensure data is usable if a drive fails. Hardware RAID controllers often have a cache memory and a battery backup to improve performance and data protection	Refer Amendment.
94	Page no71,VSAN Ready Node (2x32) – Server Type 4 - SCSI Controllers	Embedded / PCIe based x16 RAID controller with 8GB Flash backed write cache, supporting RAID 0, 1, 5, 6, 10, 50, 60. Must support mix-and-match SAS, SATA, and NVMe drives to the same controller. Controller must support 6G SATA, 12G SAS, 16G NVMe.	Proposed Certified VMware VSAN Configuration as per compatibility Matrix. Typically VSAN Nodes do require a Raid controller which will created at the kernel level with software defied storage, I request you remove this clause	Refer Amendment.
95	Additional Queries		Software you are covering 3 years what happen to 4th and 5th year? Pls clarify	Bank will decide based on the requirements.
96			Somewhere you have written contract 5 years and some other you have written for both hw /sw 3 year, so pls clarify and modify the same on all	The hardware contract is for 5 years, as mentioned in the RFP, and the software solutions contract period is for 3 years, as specified in the RFP.
97			Who will provide the Management switch to connect for the servers/SAN management?	It will be taken care by the Bank
98			Assuming Bank will provide the sufficient cooling ,Placing of Rack and 3Phase power for the RACK in the DC and DR	The bank will provide the place for keeping the Racks, 3 Phase power for the racks.

99	3. PRE-QUALIFICATION CRITERIA OF THE BIDDER , S.L No .8	The bidder should have successfully Installed and maintained VMware Private Cloud solution comprising components like vRealize Operation, vRealize Automation, NSX with a minimum of 1000+ Virtual Machines deployed and managed at Customer's DC and DR in India in the last 5 years for a minimum of 2 PSU Bank or Scheduled Commercial Bank or NBFC or Insurance Company or PSU or Private Organization in India. Documents complying the above criteria with numbers need to be submitted as a proof for the compliance.	Please let us know if this 1000+ Nos shall be achieved from an addition of for DC & DR put together, we also request you to consider 1 reference (as it is difficult to have both the combination NSX & VCF in same environment) from, BFSI or PSU Bank or Scheduled Commercial Bank or NBFC or Insurance Company or PSU or Private Organization in India,	Refer Amendment.
100	3. PRE-QUALIFICATION CRITERIA OF THE BIDDER , S.L No .9	The bidder should have supplied at least 2 full-time resident engineers supporting VMware Private Cloud solutions comprising components like vRealize Operation, vRealize Automation, NSX with a minimum of 1000+ Virtual Machines deployed and managed at Customer's DC and DR in Indian Market in the last 5 years for a minimum of 2 PSU Bank or Scheduled Commercial Bank, NBFC, Insurance Company, PSU, Private Organization in India. Documents complying the above criteria with numbers need to be submitted as a proof for the compliance.	We request bank team to consider 2 resident engineers deployment reference of managing NSX and VCF environment separately from the same/different customer of multiple projects.	Refer Amendment.
101	3. PRE-QUALIFICATION CRITERIA OF THE BIDDER , S.L No .10	The bidder should have supplied and managed micro-segmentation in a VMware Private Cloud with a minimum deployment of 4500+ cores managed at Customer's DC and DR in India in the last 5 years for a minimum of 2 PSU Bank or Scheduled Commercial Bank or NBFC or Insurance Company or PSU or Private Organization in India. Documents complying the above criteria with numbers need to be submitted as a proof for the compliance.	The bidder should have supplied and managed micro-segmentation in a VMware Private Cloud with a minimum deployment of 4500+ cores managed at Customer's DC and DR in India in the last 5 years from 1 BFSI /PSU Bank or Scheduled Commercial Bank or NBFC or Insurance Company or PSU or Private Organization in India from the same customer with multiple Purchase orders. Documents complying the above criteria with numbers need to be submitted as a proof for the compliance.	Refer Amendment.
102	3. PRE-QUALIFICATION CRITERIA OF THE BIDDER , S.L No .12	The bidder should have OEM certified engineers on their payroll, with at least 5 Red Hat Certified Engineers (RHCE). Documents complying the above criteria with numbers need to be submitted as a proof for the compliance.	We request bank team amend this cluse as follows "The bidder should have OEM certified engineers on their payroll, with at least 2 Red Hat Certified Engineers (RHCE). Documents complying the above criteria with numbers need to be submitted as a proof for the compliance.	Refer Amendment.
103	14- Evaluation and Award Criteria	The bank at its discretion may remove any of the line items or alter the quantity as per the requirement at the time of issuing Purchase Order.	Hope Bank will give us clarity while giving the Purchase order.	Yes.

104	14- Evaluation and Award Criteria	Bank is in the process of entering into Enterprise Agreement (EA) with Microsoft. In case bank enters into EA with Microsoft during the course of this tender, the Microsoft licenses will be removed from Bill of Material, which will be informed through amendment through GeM. In any case, Onsite support for Microsoft will be a part of BOM and need to be supplied by the bidder for the specified period.	Hope bank will give us clarity before the bid submission?	Bank will intimate to the successful bidder before issuing purchase order.
105	15 - PROCUREMENT THROUGH LOCAL SUCCESSFUL BIDDER/ VENDORS (MAKE IN INDIA)	The bidder has to provide proper break up of local content in all the items quoted with documentary evidence from OEMs.	OEM - Local Content letter to be submitted? In general bidder needs to submit this local content letter.	Local content declaration is to be provided by respective OEM's for the quoted products and Bidder has to provide local content declaration for the entire project cost as per the Annexure - XV & XVI
106	22-Acceptance of Order	Orders will be placed by the Technology Management Department - Head Office through GeM. The Successful bidder shall have to accept and acknowledge orders within 7 days from the date of the order. Bank has a right to cancel the order and forfeit the entire EMD amount if the same is not accepted within a period of 7 days from the date of purchase order.	In Gem Portal while we download this contract itself GEM will consider the same day date itself as date of acceptance OR vendors needs to give a manual order acceptance? Please clarify.	Date of Acceptance of Contract through GeM portal by the successful bidder will be considered.
107	25- Payment terms	70% of the hardware cost shall be paid - On Delivery of all the Hardware and deployment of Onsite Support resources.	We request bank team to amend this clause as " 80% of the hardware cost shall be paid towards the hardware delivery".	No Change in RFP terms.
108	25- Payment terms	30% of the hardware cost shall be paid - On successful Installation and Integration of all Devices, Go- Live of solution and after SIGN-OFF provided by Bank.	We request bank team to amend this clause as " 20% of the hardware cost shall be paid towards the Installation, Integratin of all devices and GO Live of solution and sign off provied by bank.	No Change in RFP terms.
109	25- Payment terms	Software Cost shall be paid yearly in advance for three years in three equal installments. First year payment will be made on successful installation and Go-Live of the solution.	We request bank team to release Year 1 Software charges with 80% against delivery and 20% against Installation.	No Change in RFP terms.
110	Liquidated Damages	Delivery of all the Hardware and Software Licenses- 0.5% of [A]+[B] for every week's delay or part thereof	Penalty shall be levied on the Undelivered components value. For example if the hardware delivery delay this 0.5% shall be calculated on the value of the respective hardware cost.	Adhere to the RFP
111	Liquidated Damages	Installation and Integration of all Devices, Go- Live of solution and SIGN-OFF - 0.5% of [A]+[B]+[C] for every week's delay or part thereof	0.5% shall be levied on the Implementation charges quoted.	Adhere to the RFP
112	Liquidated Damages	Up to 10% of (A+B+C+D)	Requesting bank team to cap @ 5%	Adhere to the RFP

113	27- SLA	The onsite engineer of the Service Provider shall respond/ attend to any notification of a fault incident immediately to Bank officials. Email and Telephonic Support should also be provided by the back-end experts of bidder to the onsite engineer, for the contract period. The penalty is applicable in respect of non-delivery of services/ support as per the requirement of this RFP.	Bank has any ticketing tool - please clarify	As of now, there is NO ticketing tool
114	35- Exchange Variation	If the contract is extended for any period, beyond its expiry, the prices shall be fixed as per mutually agreed terms between the Bank and the Bidder. However, variation of exchange rate will not be considered.	Both the statements are contradictory, please clarify.	Refer Amendment.
115		FMS resources have to work in 24x7x365 kind of environment (except specifically mentioned) and should be ready to work in shifts and should be adequate to ensure the unhindered 24x7x365 operations and support	In the page no. 40 - Onsite Technical Support, we have to quote 3 L2 Engineers and 2 L1 Engineers OR do we have to provide resources to run 24/7 operations- Please clarify.	Normal timing for the onsite resource is 9.30 AM - 6.30 PM during bank working days. Based on the bank requirements, shift timings might change. In case of any exigencies reported by the bank, the onsite resources must be available until the issue is resolved.
116	5- Delivery Timelines	Hardware along with the required accessories should be delivered within Six (6) Weeks from the date of Purchase Order at all the specified locations.	We request bank team amend this clause as " Hardware along with the required accessories should be delivered within 10 weeks from the date of acceptance of the Purchase Order at all the specified locations.	Refer Amendment.
117	5- Delivery Timelines	Software licenses should be delivered within One (1) Week from the date of Delivery Instruction issued by the Bank, which will be issued after delivery of hardware.	We request bank team to amend this clause as "Software licenses should be delivered within 10 days from the date of Delivery Instruction issued by the Bank, which will be issued after delivery of hardware.	No Change in RFP terms.
118	5- Delivery Timelines	Installation, configuration, integration of all the devices and go live of complete solution as per the requirement of the Bank to be completed within Four (4) weeks from the date of Delivery of Hardware.	We request you to amend this clause as " Installation, configuration, integration of all the devices and go live of complete solution as per the requirement of the Bank to be completed within Four 6 weeks from the date of Delivery of Hardware.	Refer Amendment.
119			We request bank team to include SNR (Site Not Ready clause).	Site is ready.
120	2	server type-4 (Rack server - vSAN ready Nodes (2X32)	Please consider or allow blade for vSAN ready node server type	No Change in RFP terms.

121	1. BLADE SERVER (2 x 32) – Server Type 3 - 14 Security	System should support Encryption of the data on both the internal storage and cache module of the array controllers using encryption keys. Should support local key management for single server and remote key management for central management for enterprisewide data encryption deployment.	Request bank to modify this clause. "System should support Encryption of the data. Should support remote key management for central management for enterprise wide data encryption deployment." Encryption on RAID Card is very specific to single OEM only . Bank is going to use external storage without SED Drives and hence this feature is not required.	No Change in RFP terms.
122	1. BLADE SERVER (2 x 32) – Server Type 3 - 17 Expansion Slots	Minimum of 3 Nos * 16 PCIe 5.0 based mezzanine slots supporting Converged Ethernet, Ethernet, FC adapters and SAS adaptors.	Minimum of 3 Nos * 16 PCIe 5.0 based mezzanine or Internal slots supporting Converged Ethernet/ Ethernet/FC adapters or SAS adaptors. Every OEM Blade Archietcure is different , Cisco Uses Converged Ethernet Architetcure and request to change this specification for us to comply and participate in the RFP	No Change in RFP terms.
123	1. BLADE SERVER (2 x 32) – Server Type 3 - 19 Blade Chassis	The Blade servers should be populated across minimum 2 Blade chassis in each DC to offer Chassis level redundancy and atleast 2 blade slot must be free in each chassis after populating all the required blade servers.	The Blade servers should be populated across minimum 2 Blade chassis in each DC to offer Chassis level redundancy and atleast 1 blade slot must be free in each chassis after populating all the required blade servers. Cisco Blade Chassis has 8 Slots and hence request you to change the available free slots to 1 , else this clause is giving price advantage to other OEM.	No Change in RFP terms.
124	1. BLADE ENCLOSURE - 3 Enclosure	Should support six interconnect bays to configure 3+3 redundancy.	Should support full redundancy of interconnect bays and must be provisioned with no Single Point of Failure. This is OEM specific clause , every OEM build the Chassis with Full redudnancy and this must be the ask from Bank . Quantifying the required Interconnect bays qualify only Single OEM . Request Bank to consider this change	Should support full redundancy of interconnect bays and must be provisioned with no Single Point of Failure.
125	1. BLADE ENCLOSURE - 3 Enclosure	Should support Hot Pluggable & Redundant chassis management modules.	Should support Hot Pluggable & Redundant management Console. management module is OEM Specific architecture , Cisco Blades System donot need separate HW Mgmt Module. Hence please change Mgmt Module to Mgmt Console	Should support Hot Pluggable & Redundant chassis management modules/console.
126	1. BLADE ENCLOSURE - 3 Enclosure	Should support built-in management appliance in redundancy with separate management network from production network.	Should support built-in management appliance/Console in redundancy with separate management network from production network. management module is OEM Specific architecture , Cisco Blades System donot need separate HW Mgmt Module. Hence please change Mgmt Module to Mgmt Console	Should support built-in management appliance/Console in redundancy with separate management network from production network.

127	1. BLADE ENCLOSURE - 4 Interconnects	Should support housing of FCoE, Ethernet, FC and SAS interconnect fabrics offering hot pluggable and redundancy as a feature	Should support housing of FCoE/ Ethernet/FC/ SAS interconnect fabrics offering hot pluggable and redundancy as a feature. Every OEM Blade Architecture is different , Cisco Uses Converged Ethernet Architecture and request to change this specification for us to comply and participate in the RFP	No Change in RFP terms.
128	6 Enterprise Class SAN Switch - 3	Minimum Dual SAN switches each with 64 ports shall be configured. Each switch shall be configured with 48 Ports populated with 32 Gbit/Sec FC SFP. Balance 16 ports shall be populated with 64 Gbit/ Sec FC SFP.	Minimum Dual SAN switches each with 64 ports shall be configured. Each switch shall be configured with 48 Ports populated with 32 Gbit/Sec FC SFP. Balance 16 ports shall be populated with 64 Gbit/ Sec FC SFP without using split SFP There are only 2 OEM in SAN Switching Market , 64 Ports ask is single OEM specific point. We request bank to consider modifying this clauses and ask for 64 ports must be fully independent without use of any Port splitter 64 SFP-DD which impacts the Port HA on the box.	Refer Amendment.
129	6 Enterprise Class SAN Switch - 4	Should deliver 32 Gbit/Sec Non-blocking architecture with 1:1 performance for up to 48 ports in a energy-efficient fashion and shall support 64 Gbit/Sec Nonblocking architecture with 1:1 performance for the additional 16 ports	Should deliver 32 Gbit/Sec Non-blocking architecture with 1:1 performance for up to 48 ports in a energy-efficient fashion and shall support 64 Gbit/Sec Nonblocking architecture with 1:1 performance for the additional 16 ports without using Port Splitter SFP. There are only 2 OEM in SAN Switching Market , 64 Ports ask is single OEM specific point. We request bank to consider modifying this clauses and ask for 64 ports must be fully independent without use of any Port splitter 64 SFP-DD which impacts the Port HA on the box.	Refer Amendment.
130	6 Enterprise Class SAN Switch - 5	Switch should support multiprotocol architecture such as FC, FCIP and FCR	Switch should support multiprotocol architecture such as FC and FCR. This is single OEM specific clause . We request bank to remove FCIP Protocol. FCIP is supported only on FCIP based routers and not SAN switches , FCIP functionality is required when bank wants to connect WAN Links on FC Switches .	No Change in RFP terms.
131	6 Enterprise Class SAN Switch - 9	Offered SAN Switch shall support less than 460 nano second for port to port latency with no contention.	Offered SAN Switch shall support less than 2 micro second for port to port latency with no contention. Every OEM use different mechanism of SAN Switching architecture . Cisco use Store and Forward and Brocade use cut-through . This changes the latency numbers. Switch latency donot have any impact on FC Switching when compared to Storage Controller and Server	No Change in RFP terms.

132	6 Enterprise Class SAN Switch - 29	The proposed SAN Switch must be compatible with the existing SAN model available with Bank (SN3000B) for communication over ISL protocol.	The proposed SAN Switch must be compatible with the existing SAN model available with Bank (SN3000B) for communication over ISL protocol. Or OEM must consider replacing with compatible SAN Infra. SN3000B is going end of Life in next few months . Compatibility with this existing switch gives advantage to existing OEM . We request bank to help consider changing this clause.	No Change in RFP terms.
133	DELIVERY TIMELINE	Hardware along with the required accessories should be delivered within Six (6) Weeks from the date of Purchase Order at all the specified locations.	Hardware along with the required accessories should be delivered within Ten (10) Weeks from the date of Purchase Order at all the specified locations. We request bank to consider this change , as Freight time has been extended for any material shipped from US / Mexico by 2 - 3 weeks due to War Zone flying & Shipping restrictions	Refer Amendment.
134	SCSI Controllers	Integrated Hardware RAID Controller to supports RAID 0, 1 and higher	Request you to modified with Raid 0.1 with 4 GB cache controller, A RAID controller's primary functions are to combine multiple storage drives into a single drive and to create redundancy to ensure data is usable if a drive fails. Hardware RAID controllers often have a cache memory and a battery backup to improve performance and data protection	Refer Amendment.
135	SCSI Controllers	Integrated Hardware RAID Controller to supports RAID 0, 1 and higher	Request you to modified with Raid 0.1 with 4 GB cache controller, A RAID controller's primary functions are to combine multiple storage drives into a single drive and to create redundancy to ensure data is usable if a drive fails. Hardware RAID controllers often have a cache memory and a battery backup to improve performance and data protection	Refer Amendment.
136	SCSI Controllers	Integrated Hardware RAID Controller to supports RAID 0, 1 and higher	Request you to modified with Raid 0.1 with 4 GB cache controller, A RAID controller's primary functions are to combine multiple storage drives into a single drive and to create redundancy to ensure data is usable if a drive fails. Hardware RAID controllers often have a cache memory and a battery backup to improve performance and data protection	Refer Amendment.

137	VSAN Ready Node (2x32) – Server Type 4 - SCSI Controllers	Embedded / PCIe based x16 RAID controller with 8GB Flash backed write cache, supporting RAID 0, 1, 5, 6, 10, 50, 60. Must support mix-and-match SAS, SATA, and NVMe drives to the same controller. Controller must support 6G SATA, 12G SAS, 16G NVMe.	Proposed Certified VMware VSAN Configuration as per compatibility Matrix Typically VSAN Nodes do require a Raid controller which will be created at the kernel level with software defined storage. I request you remove this clause	Refer Amendment.
138	3. PRE-QUALIFICATION CRITERIA OF THE BIDDER	8 The bidder should have successfully Installed and maintained VMware Private Cloud solution comprising components like vRealize Operation, vRealize Automation, NSX with a minimum of 1000+ Virtual Machines deployed and managed at Customer's DC and DR in India in the last 5 years for a minimum of 2 PSU Bank or Scheduled Commercial Bank or NBFC or Insurance Company or PSU or Private Organization in India. Documents complying the above criteria with numbers need to be submitted as a proof for the compliance.	Change Request: 8 The bidder should have successfully Installed and maintained VMware Private Cloud solution comprising components like vRealize Operation, vRealize Automation, NSX with a minimum of 1000+ Virtual Machines deployed and managed at Customer's DC and DR in India in the last 5 years for a minimum of 2 PSU Bank or Scheduled Commercial Bank or NBFC or Insurance Company or PSU or Private Organization or Government organisation in India. Documents complying the above criteria with numbers need to be submitted as a proof for the compliance. Reason for the request: The customer POs or RFPs do not mention number of VMs. Hence we request you to exclude mention of number of VMs. Our projects have been with Govt. Organisation hence we request to include POs from Govt. Organisations.	Refer Amendment.

139	3. PRE-QUALIFICATION CRITERIA OF THE BIDDER	<p>9</p> <p>The bidder should have supplied at least 2 full-time resident engineers supporting VMware Private Cloud solutions comprising components like vRealize Operation, vRealize Automation, NSX with a minimum of 1000+ Virtual Machines deployed and managed at Customer's DC and DR in Indian Market in the last 5 years for a minimum of 2 PSU Bank or Scheduled Commercial Bank, NBFC, Insurance Company, PSU, Private Organization in India. Documents complying the above criteria with numbers need to be submitted as a proof for the compliance</p>	<p>9</p> <p>The bidder should have supplied at least 2 full-time resident engineers supporting VMware Private Cloud solutions comprising components like vRealize Operation, vRealize Automation, NSX with a minimum of 1000+ Virtual Machines deployed and managed at Customer's DC and DR in Indian Market in the last 5 years for a minimum of 2 PSU Bank or Scheduled Commercial Bank, NBFC, Insurance Company, PSU, Private Organization or Government Organisation in India. Documents complying the above criteria with numbers need to be submitted as a proof for the compliance.</p> <p>Reason for the request: The customer POs or RFPs do not mention number of VMs. Hence we request you to exclude mention of number of VMs. Our projects have been with Govt. Organisation hence we request to include POs from Govt. Organisations.</p>	Refer Amendment.
140		<p>10</p> <p>The bidder should have supplied and managed microsegmentation in a VMware Private Cloud with a minimum deployment of 4500+ cores managed at Customer's DC and DR in India in the last 5 years for a minimum of 2 PSU Bank or Scheduled Commercial Bank or NBFC or Insurance Company or PSU or Private Organization in India. Documents complying the above criteria with numbers need to be submitted as a proof for the compliance</p>	<p>Change Request</p> <p>10</p> <p>The bidder should have supplied and managed microsegmentation in a VMware Private Cloud with a minimum deployment of 4500+ cores managed at Customer's DC and DR in India in the last 5 years for a minimum of 2One PSU Bank or Scheduled Commercial Bank or NBFC or Insurance Company or PSU or Private Organization Or Government Organisation in India. Documents complying the above criteria with numbers need to be submitted as a proof for the compliance</p> <p>Reason for Request</p> <p>We have PO with large socket count and core count (earlier VMware licencing was not core based) is not mentioned. Adding Government Organisation will allow wider participation. We have several POs with varying socket count</p>	Refer Amendment.

141		<p>14 The bidder should have successfully supplied minimum 50 Servers (Rack server or Blade servers) and its associated software deployed at Customer's DC and DR in India in the last 5 years for a minimum of 2 PSU Bank or Scheduled Commercial Bank or NBFC or Insurance Company or PSU or Private Organization in India. Documents complying the above criteria with numbers need to be submitted as a proof for the compliance</p>	<p>Change Request 14 The bidder should have successfully supplied minimum 50 Servers 30 Servers (Rack server or Blade servers) and its associated software deployed at Customer's DC and DR in India in the last 5 years for a minimum of 2 PSU Bank or Scheduled Commercial Bank or NBFC or Insurance Company or PSU or Private Organization in India. Documents complying the above criteria with numbers need to be submitted as a proof for the compliance</p> <p>Reason for this request: We have multiple orders which are 30 or 30+ servers and this change will allow us to participate in the RFP.</p>	Refer Amendment.
142	5. OTHER CONDITIONS	<p>g) Manufacturer Authorisation Form (MAF) from respective OEMs with reference to the RFP no. is to be submitted for all the products quoted in the bid.</p> <ul style="list-style-type: none"> <input type="checkbox"/> Server OEM <input type="checkbox"/> VMware <input type="checkbox"/> Redhat <input type="checkbox"/> Microsoft, etc 	<p>Change Request</p> <p>Please allow us to supply Red Hat licences bundled with hardware where MAF from the server OEM is used.</p> <p>Reason for this request: We are not partner to Red Hat and hence this request.</p>	Adhere to the RFP terms.
143	1.1 Scope of Work – (To be done by the Bidder):	<p>10. The bidder/OEM should design and deploy monitoring and logging solution between DC and DR.</p> <p>12. The bidder/OEM should design and deploy the configuration management tool for configuration management</p>	<p>Query</p> <p>We request the bank to provide information related to infrastructure required to run the VMware & Hardware management Also to run other software Backup, Zerto etc.</p> <p>Please clarify if the bank will provide this hardware or the bidder has to add servers, storage/backup appliance, vSAN nodes etc.</p> <p>If bidder has to add the hardware, please provide the details based on the information provided by respective software OEM.</p>	It will be shared with the successful bidder.

144	1.1 Scope of Work – (To be done by the Bidder):	16. Implementation & Support for other software viz. GitLab, Redis, CI/CD Pipeline, Workflow automation, Kafka, etc. will have to be provided by the bidder.	<p>Query We request the bank to provide installation scope and extent for these software and whether it is part of acceptance/Project Sign off</p> <p>Reason for this request: The activities mentioned here are vast and require many resources with different skills. The details will be used to arrive at manpower effort, time and costs.</p>	It will be shared with the successful bidder.
145	1.1 Scope of Work – (To be done by the Bidder):	18. Bidder and OEM should arrange the OEM training for all the technologies quoted as part of the proposed solutions for 3 batches with 8 members of Bank during the contract period (one batch each - 1st year, 2nd year & 4th year). No additional cost will be borne by Bank on these trainings.	<p>Query We request the bank to provide information related to the training such as scope, the content to be delivered, number of days, Virtual/Physical etc.</p> <p>Reason for this request: The information will be used to correctly factor the OEM training.</p>	Refer Amendment.
146	1.1 Scope of Work – (To be done by the Bidder):	18. Bidder and OEM should arrange the OEM training for all the technologies quoted as part of the proposed solutions for 3 batches with 8 members of Bank during the contract period (one batch each - 1st year, 2nd year & 4th year). No additional cost will be borne by Bank on these trainings.	<p>Clarification We understand, the training shall be only for VMware.</p> <p>Kindly confirm or provide necessary inputs.</p>	Refer Amendment.
147	1.1 Scope of Work – (To be done by the Bidder):	25. Provide personalized workshops with OEM technical subject matter experts to assist with the onboarding of the technology solutions	<p>Query We request the bank to provide information related to the workshop such as scope, the content to be delivered, number of days, Virtual/Physical etc.</p> <p>Reason for this request: The information will be used to correctly factor the OEM training.</p>	Refer Amendment.
148	1.1 Scope of Work – (To be done by the Bidder):	<p>26. Bidder should obtain support from OEM wherever necessary for the total period of contract. Necessary proof to be submitted.</p> <p>27. Provide access to proactive support services like: a. Identify and resolve potential vulnerabilities / issues through b. Proactive alerts c. Environment recommendations.</p>	<p>Clarification The software (VMware, Veeam, RedHat etc.) will be delivered over phone/ mail/ web as per the respective OEM support policy.</p> <p>We hope this is acceptable to the Bank or provide necessary inputs.</p>	Adhere to the RFP

149	1.1 Scope of Work – (To be done by the Bidder):	27. Provide access to proactive support services like: a. Identify and resolve potential vulnerabilities / issues through b. Proactive alerts c. Environment recommendations	<p>Clarification The proactive support and preemptive alerts are possible for OEM by using the OOB data, analysing on their setup on respective analytics (Generally AI drive) in OEM cloud.</p> <p>We understand this is acceptable to the Bank and bank will provide allow OOB data to be uploaded to analytics engine.</p>	Adhere to the RFP
150	25. PAYMENT TERMS	On successful Installation and Integration of all Devices, Go- Live of solution and after SIGN-OFF provided by Bank. 30 % of [A] 50% of [C]	<p>Clarification We understand, training / workshop are not part of the SIGN-OFF.</p> <p>Kindy confirm or provide suitable inputs.</p>	Training/workshop is a part of SIGN-OFF
151	1. SCOPE OF WORK	f) The bidder should have an active partnership with VMware, Microsoft and Red hat, Other Hardware, and Software solution for offering their solution to Bank. The bidder needs to submit necessary document proofs during the time of RFP submission. Hardware and Software proposed should be compatible for the deployment. The bidder should propose back-to-back support from OEMs for the proposed solution for the entire contract period.	<p>Change Request: f) The bidder should have an active partnership with VMware, Microsoft and Red hat, Other Hardware, and Software solution for offering their solution to Bank. The bidder needs to submit necessary document proofs during the time of RFP submission. Hardware and Software proposed should be compatible for the deployment. The bidder should propose back-to-back support from OEMs for the proposed solution for the entire contract period.</p> <p>Reason for this request: We can provide Red Hat licence from server vendor. We are not partner to Red Hat and hence this request.</p>	No Change in RFP terms.
152	1.2 Scope of Work – (To be done directly by VMware professional visiting onsite):	VCF Scope of Work Summary: Design and deployment of VMware Live Recovery: Migrate 5 virtual machines and provide SOP for migrating Virtual machines from the vSphere 7.x environment to the VCF environment using HCX	<p>Clarification We understand, any additional VMs to be migrated will be done by the FMS team deployed.</p> <p>Kindy confirm or provide suitable inputs.</p>	The migration of all additional VMs shall be carried out by the FMS team deployed by the bidder, following the SOP provided by the OEM.
153	1.2 Scope of Work – (To be done directly by VMware professional visiting onsite):	VCF Scope of Work Summary: Design and deployment of VMware Live Recovery: Migrate 5 virtual machines and provide SOP for migrating Virtual machines from the vSphere 7.x environment to the VCF environment using HCX	<p>Clarification We understand, the new setup is not to be integrated with any existing clusters / vCenter etc.</p> <p>Kindy confirm or provide suitable inputs.</p>	It will be shared with the successful bidder.

154	5. DELIVERY TIMELINE	Implementation: Installation, configuration, integration of all the devices and go live of complete solution as per the requirement of the Bank to be completed within Four (4) weeks from the date of Delivery of Hardware.	Change Request: Installation, configuration, integration of all the devices and go live of complete solution as per the requirement of the Bank to be completed within Four Ten (10) weeks from the date of Delivery of Hardware. We believe the time period mentioned (4 weeks) is too short even if all planning (HLD, LLD) are completed before delivery.	Refer Amendment.
155	TECHNICAL AND FUNCTIONAL SPECIFICATIONS	Server type 1 OR 3 , type 2, type 4 12 Fiber Channel HBA Connectivity	Query We request the bank to provide more insight into the type of storage to be connected and the usecase of storage connectivity for type 4	It will be provided to the successful bidder.
156	TECHNICAL AND FUNCTIONAL SPECIFICATIONS	7. Tape Library 9. SOFTWARE LICENSES d) Backup Software	Query Will the backup be run on existing media and master server or the bidder has to provide the hardware. And will the tape library connect to existing hardware? If the bidder has to provide hardware - please provide details to size the hardware based on recommendation received by the bank from Veeam and Zerto.	Hardware for all software components will be provided by Bank.
157	c) Red Hat Licences	RH00025 High Availability	Query We request the bank to clarify if these licences are to be used for VMs or any existing physical servers?	The high availability is required for VM servers.
158	TECHNICAL AND FUNCTIONAL SPECIFICATIONS	All proposed software should be offered with their direct OEM part numbers, along with support for levels 1, 2, and 3 directly from the OEM.	Change Request All proposed software, other than Red Hat , should be offered with their direct OEM part numbers, along with support for levels 1, 2, and 3 directly from the OEM. Reason for this request: We can provide Red Hat licence from server vendor and L1 support from server vendor. We are not partner to Red Hat and hence this request.	Adhere to the RFP
159	3. PRE-QUALIFICATION CRITERIA OF THE BIDDER	Bidder should have minimum average turnover of Rs.140 Cr. (Rupees One Hundred and Forty Crore only) in the last 3 financial years. Bidder must provide the details of turnover for last 3 years (FY 2021-22, 2022-23 & 2023-24).	Bidder should have minimum average turnover of Rs.75 Cr in the last 3 financial years. Bidder must provide the details of turnover for last 3 years (FY 2021-22, 2022-23 & 2023-24).	No Change in RFP terms.

160	3. PRE-QUALIFICATION CRITERIA OF THE BIDDER	The bidder should have successfully Installed and maintained VMware Private Cloud solution comprising components like vRealize Operation, vRealize Automation, NSX with a minimum of 1000+ Virtual Machines deployed and managed at Customer's DC and DR in India in the last 5 years for a minimum of 2 PSU Bank or Scheduled Commercial Bank or NBFC or Insurance Company or PSU or Private Organization in India. Documents complying the above criteria with numbers need to be submitted as a proof for the compliance.	The bidder should have successfully Installed and maintained VMware Solution with a minimum of 300+ Virtual Machines deployed and managed at Customer's DC and DR or Similar projects in India in the last 5 years for a minimum of 2 PSU Bank or Scheduled Commercial Bank or NBFC or Insurance Company or PSU or Private Organization in India. Documents complying the above criteria with numbers need to be submitted as a proof for the compliance.	Refer Amendment.
161	3. PRE-QUALIFICATION CRITERIA OF THE BIDDER	The bidder should have supplied at least 2 full-time resident engineers supporting VMware Private Cloud solutions comprising components like vRealize Operation, vRealize Automation, NSX with a minimum of 1000+ Virtual Machines deployed and managed at Customer's DC and DR in Indian Market in the last 5 years for a minimum of 2 PSU Bank or Scheduled Commercial Bank, NBFC, Insurance Company, PSU, Private Organization in India. Documents complying the above criteria with numbers need to be submitted as a proof for the compliance.	Request you to kindly remove this Clause.	Refer Amendment.
162	3. PRE-QUALIFICATION CRITERIA OF THE BIDDER	The bidder should have supplied and managed microsegmentation in a VMware Private Cloud with a minimum deployment of 4500+ cores managed at Customer's DC and DR in India in the last 5 years for a minimum of 2 PSU Bank or Scheduled Commercial Bank or NBFC or Insurance Company or PSU or Private Organization in India. Documents complying the above criteria with numbers need to be submitted as a proof for the compliance.	The bidder should have supplied and managed VMware License deployment with a minimum deployment of 2000+ cores managed at Customer's DC and DR in India in the last 5 years for a minimum of 2 PSU Bank or Scheduled Commercial Bank or NBFC or Insurance Company or PSU or Private Organization in India. Documents complying the above criteria with numbers need to be submitted as a proof for the compliance.	Refer Amendment.

163	3. PRE-QUALIFICATION CRITERIA OF THE BIDDER	<p>The bidder should have OEM Certified engineers on their payroll, with at least 5 resources each with VMware Certified Professional on VMware Cloud Foundation.</p> <p>Or</p> <p>The bidder should have OEM Certified engineers on their payroll, with at least 5 resources who have completed all the certifications below.</p> <p>VMware Certified Professional on Data Center Virtualization</p> <p>VMware Certified Professional on Network Virtualization</p> <p>VMware Certified Professional on Cloud Management and Automation.</p> <p>Documents complying the above criteria with numbers need to be submitted as a proof for the compliance.</p>	<p>The bidder should have OEM Certified engineers on their payroll, with at least 2 resources who have completed all the certifications below. VMware Certified Professional on Data Center Virtualization VMware Certified Professional on Cloud Management and Automation. Documents complying the above criteria with numbers need to be submitted as a proof for the compliance.</p>	Refer Amendment.
164	3. PRE-QUALIFICATION CRITERIA OF THE BIDDER	<p>The bidder should have OEM certified engineers on their payroll, with at least 5 Red Hat Certified Engineers (RHCE). Documents complying the above criteria with numbers need to be submitted as a proof for the compliance.</p>	<p>The bidder should have OEM certified engineers on their payroll, with at least 2 Red Hat Certified Engineers (RHCE). Documents complying the above criteria with numbers need to be submitted as a proof for the compliance.</p>	Refer Amendment.
165	3. PRE-QUALIFICATION CRITERIA OF THE BIDDER	<p>The bidder should have OEM certified engineers on their payroll, with at least 5 resources, each holding either a Windows Server Hybrid Administrator Associate certification or Azure Administrator Associate certification. Documents complying the above criteria with numbers need to be submitted as a proof for the compliance</p>	<p>The bidder should have OEM certified engineers on their payroll, with at least 2 resources, each holding either a Windows Server Hybrid Administrator Associate certification or Azure Administrator Associate certification. Documents complying the above criteria with numbers need to be submitted as a proof for the compliance</p>	Refer Amendment.
166	TECHNICAL AND FUNCTIONAL SPECIFICATIONS Server Type 1	<p>Ethernet Adapter</p> <p>Should have 2 x Dual port 10/25G SFP+ Card populated with 25G SFP+.Should have 2 x Dual port 10GBaseT Ethernet adaptor.The server should be provided with card level redundancy.All ports need to be independent so as to provide high availability</p>	<p><i>Change Request:25G would need SFP28 optics</i></p>	Refer Amendment.

167	TECHNICAL AND FUNCTIONAL SPECIFICATIONS Server Type 1	OS Support OEM Should have certification for VMWare Esxi 7.0 and later versions and VCF 4.5.2 and all later/upgraded/higher versions. Also, the supplied hardware should support all version upgrades coming in next 5 years. If hardware supplied by selected OEM is not compatible VMware releases during 5 years from date of commissioning, bidder need to replace hardware with compatible VMware release without any additional cost to the Bank.	Vmware version release is out of Server OEM scope. The frequency and type of Version change would be controlled by Broacom/Vmware. Request Bank to remove the following clause - "Also, the supplied hardware should support all version upgrades coming in next 5 years. If hardware supplied by selected OEM is not compatible VMware releases during 5 years from date of commissioning, bidder need to replace hardware with compatible VMware release without any additional cost to the Bank."	Refer Amendment.
168	TECHNICAL AND FUNCTIONAL SPECIFICATIONS Server Type 1	OS Support OEM Should have certification for RHEL 8.0 and higher versions. For Red hat OpenShift container platform 4.8-	The Latest generation R760 with 5h Gen Intel CPU would Support Red Hat open Shift 4.13-4.x <i>Change Request: Request to remove support for OS 4.8</i>	Refer Amendment.
169	TECHNICAL AND FUNCTIONAL SPECIFICATIONS Server Type 1	Warranty 5 Years 24/7 Warranty with 30 minutes Response Time and 6 hours Call to Resolution including part replacement, access to OEM support portal, OEM technical support on 24X7X365 basis.	Resolution of an issue may involve multiple parties to collaborate. 6 Hours resolution SLA may not be feasible. <i>Change Request: Request the bank to the clause to 6 Hours call to REPAIR.</i>	Refer Amendment.
170	TECHNICAL AND FUNCTIONAL SPECIFICATIONS Server Type 1	End of Life The proposed Hardware and Software generation should be less than one year from the date of RFP submission and the proposed Hardware and Software should not become End of Sales for two years from the date of the submission of the RFP and End of Support for 7 years from the date of the submission of the RFP.	The current Dell Server model was released in May 2023. This server platform supports the 4th Gen and 5th Gen Intel Cpu (both platforms are currently shipping). End of Sale is not announced. Support commitment can be committed for 7 years. <i>Change Request: All the products quoted should not be announced End of Life as on date, and minimum of 5 years' support should be available post the delivery of the Hardware (Documentary proof should be attached)</i>	Refer Amendment.
171	TECHNICAL AND FUNCTIONAL SPECIFICATIONS Server Type 2	Ethernet Adapter Should have 2 x Dual port 10/25G SFP+ Card populated with 25G SFP+.	<i>Change Request:25G would need SFP28 optics</i>	Ethernet Adapter Should have 2 x Dual port 10/25G SFP28 Card populated with 25G SFP28.

172	TECHNICAL AND FUNCTIONAL SPECIFICATIONS Server Type 2	OS Support OEM Should have certification for VMWare Esxi 7.0 and later versions and VCF 4.5.2 and all later/ upgraded/ higher versions. Also, the supplied hardware should support all version upgrades coming in next 5 years. If hardware supplied by selected OEM is not compatible VMware releases during 5 years from date of commissioning, bidder need to replace hardware with compatible VMware release without any additional cost to the Bank.	Vmware version release is out of Server OEM scope. The frequency and type of Version change would be controlled by Broacom/Vmware. Request Bank to remove the following clause - "Also, the supplied hardware should support all version upgrades coming in next 5 years. If hardware supplied by selected OEM is not compatible VMware releases during 5 years from date of commissioning, bidder need to replace hardware with compatible VMware release without any additional cost to the Bank."	Refer Amendment.
173	TECHNICAL AND FUNCTIONAL SPECIFICATIONS Server Type 2	OS Support 4.12 and 4.13-4.X should be supported.	The Latest generation R760 with 5h Gen Intel CPU would Support Red Hat open Shift 4.13-4.x <i>Change Request: Request to remove support for OS 4.8</i>	Refer Amendment.
174	TECHNICAL AND FUNCTIONAL SPECIFICATIONS Server Type 2	Warranty 6 hours Call to Resolution including part replacement, access to OEM support portal, OEM technical support on 24X7X365 basis.	Resolution of an issue may involve multiple parties to collaborate. 6 Hours resolution SLA may not be feasible. <i>Change Request: Request the bank to the clause to 6 Hours call to REPAIR.</i>	Refer Amendment.
175	TECHNICAL AND FUNCTIONAL SPECIFICATIONS Server Type 2	End of Life The proposed Hardware and Software generation should be less than one year from the date of RFP submission and the proposed Hardware and Software should not become End of Sales for two years from the date of the submission of the RFP and End of Support for 7 years from the date of the submission of the RFP.	The current Dell Server model was released in May 2023. This server platform supports the 4th Gen and 5th Gen Intel Cpu (both platforms are currently shipping). End of Sale is not announced. Support commitment can be committed for 7 years. <i>Change Request: All the products quoted should not be announced End of Life as on date, and minimum of 5 years' support should be available post the delivery of the Hardware (Documentary proof should be attached)</i>	Refer Amendment.
176	TECHNICAL AND FUNCTIONAL SPECIFICATIONS Server Type 4	SCSI Controllers Embedded / PCIe based x16 RAID controller with 8GB Flash backed write cache, supporting RAID 0, 1, 5, 6, 10, 50, 60. Must support mix-and-match SAS, SATA, and NVMe drives to the same controller. Controller must support 6G SATA, 12G SAS, 16G NVMe.	vSAN architecture does not support a hardware based RAID Controller. <i>Change request: Request bank to remove the requirement for Hardware Raid controller.</i>	Refer Amendment.
177	TECHNICAL AND FUNCTIONAL SPECIFICATIONS Server Type 4	Ethernet Adapter Should have 2 x Dual port 10/25G SFP+ Card populated with 25G SFP+ card.	<i>Change Request: 25G would need SFP28 optics</i>	Refer Amendment.

178	TECHNICAL AND FUNCTIONAL SPECIFICATIONS Server Type 4	OS Support OEM Should have certification for VMWare Esxi 7.0 and later versions and VCF 4.5.2 and all later/upgraded/higher versions. Also, the supplied hardware should support all version upgrades coming in next 5 years. If hardware supplied by selected OEM is not compatible VMware releases during 5 years from date of commissioning, bidder need to replace hardware with compatible VMware release without any additional cost to the Bank. (Documentary proof should be attached).	Vmware version release is out of Server OEM scope. The frequency and type of Version change would be controlled by Broacom/Vmware. Request Bank to remove the following clause - "Also, the supplied hardware should support all version upgrades coming in next 5 years. If hardware supplied by selected OEM is not compatible VMware releases during 5 years from date of commissioning, bidder need to replace hardware with compatible VMware release without any additional cost to the Bank."	Refer Amendment.
179	TECHNICAL AND FUNCTIONAL SPECIFICATIONS Server Type 4	Warranty 5 Years 24/7 Warranty with 30 minutes Response Time and 6 hours Call to Resolution including part replacement, access to OEM support portal, OEM technical support on 24X7X365 basis.	Resolution of an issue may involve multiple parties to collaborate. 6 Hours resolution SLA may not be feasible. <i>Change Request: Request the bank to the clause to 6 Hours call to REPAIR.</i>	Refer Amendment.
180	TECHNICAL AND FUNCTIONAL SPECIFICATIONS Server Type 4	End of Life The proposed Hardware and Software generation should be less than one year from the date of RFP submission and the proposed Hardware and Software should not become End of Sales for two years from the date of the submission of the RFP and End of Support for 7 years from the date of the submission of the RFP.	The current Dell Server model was released in May 2023. This server platform supports the 4th Gen and 5th Gen Intel Cpu (both platforms are currently shipping). End of Sale is not announced. Support commitment can be committed for 7 years. <i>Change Request: All the products quoted should not be announced End of Life as on date, and minimum of 5 years' support should be available post the delivery of the Hardware (Documentary proof should be attached)</i>	Refer Amendment.
181	TECHNICAL AND FUNCTIONAL SPECIFICATIONS Enterprise Class SAN Switch	The proposed SAN Switch must be compatible with the existing SAN model available with Bank (SN3000B) for communication over ISL protocol.	<i>Proposed SAN Switch can be populated with 32/64Gbps optics. 32Gbps can auto-negotiate to 8/16Gbps. Request bank to confirm availability of ports to connect to</i>	Ports are available for ISL connectivity.
182	TECHNICAL AND FUNCTIONAL SPECIFICATIONS Enterprise Class SAN Switch	The proposed Hardware and Software generation should be less than one year from the date of RFP submission and the proposed Hardware and Software should not become End of Sales for two years from the date of the submission of the RFP and End of Support for 7 years from the date of the submission of the RFP.	Current generation SAN switch is more than 1 year old and there is no latest generation release in last 1 year. This model supports all the required features. <i>Change Request: Request bank to consider removing the following clause "The proposed Hardware and Software generation should be less than one year from the date of RFP submission"</i>	Refer Amendment.
183	TECHNICAL AND FUNCTIONAL SPECIFICATIONS Tape Library	Encryption device Offered Library shall be provided with a hardware device like USB key, separate appliance etc. to keep all the encrypted keys in a redundant fashion.	<i>Request carification from Bank on what is the functionality needed here? Will bank be providing encryption key management tool?</i>	Adhere to the RFP

184	TECHNICAL AND FUNCTIONAL SPECIFICATIONS Tape Library	Other Features The product / appliance should not be in any roadmap for End of Sale in next seven years as on date of RFP.	<i>Current Model is nearing EOL, Newer model has not been announced yet. We can confirm 5 years support on date of submission. Requets bank to consider removing this clause</i>	Refer Amendment.
185	TECHNICAL AND FUNCTIONAL SPECIFICATIONS Tape Library	Other Features Tape library should be provided with Analytic software which should be capable of:	<i>Request clarification on this SW need? This is not a standard \$w and needs to be quoted separately. Can 3rd party SW be quoted to mee this requirement?</i>	Refer Amendment.