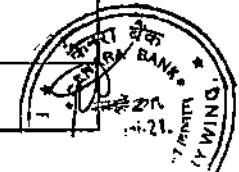


Pre-Bid Queries for RFP Ref: ITW/RFP-02/2018-19 dtd 24.07.2018 for SUPPLY, INSTALLATION, INTEGRATION, CONFIGURATION AND MAINTENANCE OF SERVERS AND OTHER ITEMS

| PRE BID QUERIES - | | | | | |
|-------------------|------|---|--|---|-------------------------------------|
| Sl. No | Page | Clause no | RFP Clause | Bidder's Query | Bank's Reply |
| 1 | 20 | 15. Earnest Money Deposit (EMD) / Bank Guarantee in Lieu of EMD | The bidder shall furnish non-interest earning Earnest Money Deposit (EMD) of 10,00,000 (Rupees Ten Lakh Only) by way of Demand Draft drawn on any scheduled commercial Bank in India in favour of Canara Bank, payable at Mumbai and should be kept along with the Part-A- Conformity to Eligibility Criteria. | Request Bank to change it to : The bidder shall furnish non-interest earning Earnest Money Deposit (EMD) of 3,00,000 (Rupees Three Lakh Only) by way of Demand Draft drawn on any scheduled commercial Bank in India in favour of Canara Bank, payable at Mumbai and should be kept along with the Part-A- Conformity to Eligibility Criteria. | Bidder has to comply with RFP terms |
| 2 | 34 | 46.1. Payment Schedule | 60% on delivery of all hardware and software items on production of relevant documents. 40% Will be released after successful installation, configuration & commissioning of hardware and software items supplied as per the scope of work and technical requirements. | 1. Request bank to change the payment terms to the below - 90% on delivery of all hardware and software items on production of relevant documents. 10% Will be released after successful installation, configuration & commissioning of hardware and software items supplied as per the scope of work and technical requirements. | Bidder has to comply with RFP terms |
| 3 | 31 | 40.1. Security Deposit/ Performance Bank Guarantee | The successful bidder should submit a security deposit/ Performance Guarantee for 15% of total value of the contract within 15 days from the date of acceptance of the order. | Request Bank to change it to : The successful bidder should submit a security deposit/ Performance Guarantee for 10% of total value of the contract within 15 days from the date of acceptance of the order. | Bidder has to comply with RFP terms |
| 4 | 31 | 40.2 Security Deposit / Performance Bank Guarantee | If the Security Deposit /Performance Guarantee is not submitted within the time stipulated above, penalty at 0.50% (Plus GST) for each completed calendar week of delay or part thereof on the cost of the order will be deducted from the delivery payment or from any other payments for the delay in submission of Bank Guarantee. The total penalty under this clause shall be restricted to 5% (Plus GST) of the total order value. | Request Bank to change the clause : If the Security Deposit /Performance Guarantee is not submitted within the time stipulated above, penalty at 0.50% (Plus GST) for each completed calendar week of delay or part thereof on the cost of the order will be deducted from the delivery payment or from any other payments for the delay in submission of Bank Guarantee. The total penalty under this clause shall be restricted to 2% (Plus GST) of the total order value (Exclusive of Tax). | Bidder has to comply with RFP terms |
| 5 | 32 | 42.2. Delivery, Installation & Commissioning | Delivery of all Servers and Other Items should be within 4 weeks from the date of receipt of the Purchase Order for non-road permit locations. The Delivery period for Road Permit locations will be 5 Weeks. Please note that no extra charges will be paid for those locations where road permit is required. Vendor has to arrange for road permit at his own cost. It will be the sole responsibility of the vendor to submit any form required for release of shipment from the check post. | Request Bank to change the clause : Delivery of all Servers and Other Items should be within 8 weeks from the date of receipt of the Purchase Order for non-road permit locations. The Delivery period for Road Permit locations will be 10 Weeks. Please note that no extra charges will be paid for those locations where road permit is required. Vendor has to arrange for road permit at his own cost. It will be the sole responsibility of the vendor to submit any form required for release of shipment from the check post. | Bidder has to comply with RFP terms |
| 6 | 32 | 42.4. Delivery, Installation & Commissioning | The successful bidder should ensure Installation, Configuration & Commissioning of the delivered Hardware & Software and complete all the works specified in the scope of work at the Bank branch / office within 2 week from the date of delivery of all the materials for each ordered locations. | Request Bank to change the clause : The successful bidder should ensure Installation, Configuration & Commissioning of the delivered Hardware & Software and complete all the works specified in the scope of work at the Bank branch / office within 6 week from the date of delivery of all the materials for each ordered locations. | Bidder has to comply with RFP terms |
| 7 | 33 | 44.2. Penalties/Liquidated damages for delay in Delivery and Installation of Software would be as under | Non-Compliance of the delivery & installation clauses (42.2) & (42.4) will result in imposing penalty (0.50% on delay in delivery and 0.50% on delay on installation) per week or part of thereof on the invoice value Location/ Office address wise. However, the total LD to be recovered under this clauses shall be restricted to 5% of total value of the order for that location. | Request Bank to change the penalty clause :Non-Compliance of the delivery & installation clauses (42.2) & (42.4) will result in imposing penalty (0.50% on delay in delivery and 0.50% on delay on installation) per week or part of thereof on the invoice value Location/ Office address wise. However, the total LD to be recovered under this clauses shall be restricted to 2% of total value of the order for that location. | Bidder has to comply with RFP terms |
| 8 | 53 | Annexure - 3. C. Eligibility Criteria | The IT turnover of the Bidder should be minimum Rs. 50 Crores per year during last three financial years (i.e. 2015-2016, 2016-2017, 2017-2018) | Request Bank to change the clause : The IT turnover of the Bidder should be minimum Rs. 100 Crores per year during last three financial years (i.e. 2015-2016, 2016-2017, 2017- | Bidder has to comply with RFP terms |



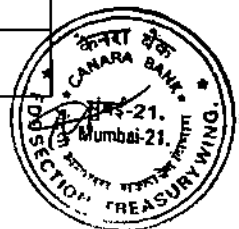
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| 9 | 64 | Annexure - 10. Table B. 10. FC HBA | Minimum 2 Nos. of 16 Gig Fiber Channel HBA port | Request Bank to modify it to 1 qty of dual port HBA | Kindly Refer the Amendment - 1 |
| 10 | 64 | Annexure - 10. Table B. 13. OS Support & Hypervisor Support | All Kind of x86 & x86_64 OS (Windows 2012 R2 Server Standard edition or later, and RHEL 7.2, Oracle Linux 7.3, Solaris 5.11 or later etc). Hypervisor Support (ESXI, Hyper-V, OVM etc) | Servers from very few OEMs are certified in half-rack form factor. Hence, request you to remove this clause. | Kindly Refer the Amendment - 1 |
| 11 | 64 | Annexure - 10. Table B. 16. Software Compatibility | RHEL 7.2, Oracle Linux 7.3, Solaris 5.11 or later compatible kernel | Servers from very few OEMs are certified in half-rack form factor. Hence, request you to remove this clause. | Kindly Refer the Amendment - 1 |
| 12 | 64 | Annexure - 10. Table C. 11. FC | Minimum 2 Nos. of 16 Gig Fiber Channel HBA port | Request Bank to modify it to 1 qty of dual port HBA | Kindly Refer the Amendment - 1 |
| 13 | 64 | Annexure - 10. Table C. 14. OS Support & Hypervisor Support | All Kind of x86 & x86_64 OS (Windows 2012 R2 Server Standard edition or later, and RHEL 7.2, Oracle Linux 7.3, Solaris 5.11 or later etc). Hypervisor Support (ESXI, Hyper-V, OVM etc) | Servers from very few OEMs are certified in half-rack form factor. Hence, request you to remove this clause. | Kindly Refer the Amendment - 1 |
| 14 | 65 | Annexure - 10. Table C. 17. | RHEL 7.2, Oracle Linux 7.3, Solaris 5.11 or later compatible kernel | Servers from very few OEMs are certified in half-rack form factor. Hence, request you to remove this clause. | Kindly Refer the Amendment - 1 |
| 15 | | | | | Kindly Refer the Amendment - 1 |
| 16 | 65 | Annexure - 10. Table D. 10. FC | Minimum 2 Nos. of 16 Gig Fiber Channel HBA ports | Request Bank to modify it to 1 qty of dual port HBA | Kindly Refer the Amendment - 1 |
| 17 | 65 | Annexure - 10. Table D. 13. OS Support & Hypervisor Support | All Kind of x86 & x86_64 OS (Windows 2012 R2 Server Standard edition or later, and RHEL 7.2, Oracle Linux 7.3, Solaris 5.11 or later etc). Hypervisor Support (ESXI, Hyper-V, OVM etc) | Servers from very few OEMs are certified in half-rack form factor. Hence, request you to remove this clause. | Kindly Refer the Amendment - 1 |
| 18 | 65 | Annexure - 10. Table D. 16. Software Compatibility | RHEL 7.2, Oracle Linux 7.3, Solaris 5.11 or later compatible kernel | Servers from very few OEMs are certified in half-rack form factor. Hence, request you to remove this clause. | Kindly Refer the Amendment - 1 |
| 20 | 66 | Annexure - 10. Table E. 11. FC | Minimum 2 Nos. of 16 Gig Fiber Channel HBA ports | Request Bank to modify it to 1 qty of dual port HBA | Kindly Refer the Amendment - 1 |
| 21 | 66 | Annexure - 10. Table E. 14. OS Support & Hypervisor Support | All Kind of x86 & x86_64 OS (Windows 2012 R2 Server Standard edition or later, and RHEL 7.2, Oracle Linux 7.3, Solaris 5.11 or later etc). Hypervisor Support (ESXI, Hyper-V, OVM etc) | Servers from very few OEMs are certified in half-rack form factor. Hence, request you to remove this clause. | Kindly Refer the Amendment - 1 |
| 22 | 66 | Annexure - 10. Table E. 17. Software Compatibility | RHEL 7.2, Oracle Linux 7.3, Solaris 5.11 or later compatible kernel | Servers from very few OEMs are certified in half-rack form factor. Hence, request you to remove this clause. | Kindly Refer the Amendment - 1 |
| 24 | 67 | Annexure - 10. Table F. 11. FC | Minimum 2 Nos. of 16 Gig Fiber Channel HBA port | Request Bank to modify it to 1 qty of dual port HBA | Kindly Refer the Amendment - 1 |
| 25 | 67 | Annexure - 10. Table F. 14. OS Support & Hypervisor Support | All Kind of x86 & x86_64 OS (Windows 2012 R2 Server Standard edition or later, and RHEL 7.2, Oracle Linux 7.3, Solaris 5.11 or later etc). Hypervisor Support (ESXI, Hyper-V, OVM etc) | Servers from very few OEMs are certified in half-rack form factor. Hence, request you to remove this clause. | Kindly Refer the Amendment - 1 |
| 26 | 67 | Annexure - 10. Table F. 17. Software Compatibility | RHEL 7.2, Oracle Linux 7.3, Solaris 5.11 or later compatible kernel | Servers from very few OEMs are certified in half-rack form factor. Hence, request you to remove this clause. | Kindly Refer the Amendment - 1 |
| 27 | 2 | 11 | Earnest Money Deposit(Refundable) of 1000000 | We suggest a revision to 250000 | Bidder has to comply with RFP terms |
| 28 | 10 | 8.2 | The scope of the Services and Maintenance is to be provided for a period of Six years from the date of acceptance by the bank (i.e. 3 years warranty and 3 years AMC) | We suggest the Bank clearly defines the Acceptance criteria | Bidder has to comply with RFP terms |
| 29 | 11 | 8.16 | Installation of Web Application, Database Server, Server Management, Partition creation and cluster/High availability configuration in the new servers to be procured and also with the existing servers available, if required | There is no Cluster Component opted for - so when you state Cluster/ High Availability, what exactly do you mean. Neither is there Cluster at OS Level, nor at Application Tier level in the requirement definition stated in the RFP | Bidder has to comply with RFP terms |



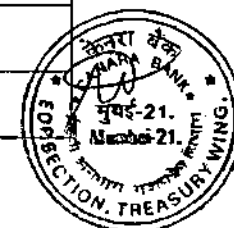
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| 30 | 12 | 8.19 | The bidder has to work with existing vendor for the SAN Cable lay, connectivity and zoning of the SAN ports as required connecting the proposed server | Would the cost for the same need to be borne by us or Bank will take care. We do not have any visibility of placement of new Infra vis-à-vis your existing storage. Also all storage side activity (including Switch Zoning, Cable connectivity) should be on Bank/ Storage Vendor. To the Server vendors, it should be only the LUN configuration, mapping, etc. | Bidder has to comply with RFP terms |
| 31 | 12 | 8.30 | All necessary cables and other accessories required for successful Installation of the hardware items as per the Scope of Work to be supplied by the Bidder and the cost of the same to be added along with the respective Hardware Items while quoting | | Bidder has to comply with RFP terms |
| 32 | 12 | 8.21 | The bidder is required to perform Database installation and configuration as per Bank requirement and details will be provided to selected bidder | There is no Database supply as part of the scope. Kindly confirm which Database is being referred here + who will provide license + what is the overall expectation. | Oracle DB & DB Server is being referred here. |
| 33 | 12 | 8.22 | The bidder has to do the Database installations, migration of database from existing DB Server to proposed servers and details will be provided to selected bidder | | Bidder has to comply with RFP terms |
| 34 | 12 | 8.23 | The Bidder has to create partitions for database server with OS cluster | | Bidder has to comply with RFP terms |
| 35 | 12 | 8.25 | Bidder has to ensure installations/Migration with provision of high availability using cluster configurations for application/Database/Web services, multipathing to SAN switches for LUN availability | Which is the server here in reference + is OS Cluster to be provided by us or Bank will provide | Bidder has to comply with RFP terms |
| 36 | 12 | 8.24 | The bidder has to configure and install Apache, Oracle Weblogic or any other web application specified in this RFP in standalone, high availability mode in order to achieve load balancing and failover | Bank needs to ensure the appropriate edition of WebLogic is opted for to ensure Clustering, Load Balancing, Failover. Weblogic Standard would have limitations in achieving this | Kindly Refer the Amendment - 1 |
| 37 | 12 | 8.27 | The selected bidder has to work with different teams of Bank's application, OEM to understand the backup requirement and configurations of respective applications | Backup Automation tool you may already be having existing. This responsibility for configuration should be the Bank/ Backup Automation vendor. We can participate in whatever enablement that may be required | Bidder has to comply with RFP terms |
| 38 | 12 | 8.28 | The bidder has to configure the existing backup infrastructure agents in the proposed server for database backup if required | | Bidder has to comply with RFP terms |
| 39 | 12 | 8.29 | The bidder has to configure OS backup | | Bidder has to comply with RFP terms |
| 40 | 13 | 8.37 | The bidder shall supply along with each item all the related documents. Software Licenses loaded in the configuration Management Solution and Other Items without any additional cost. The documents shall be in English. These will include but not restricted to User Manual, Operation Manual, Other Software and Drivers etc | Need the Bank to give more insight on what exactly is expected here. What do you mean by "Configuration Management Solution" | Bidder has to comply with RFP terms |
| 41 | 13 | 8.39 | The Proposed Solution must support ACL for /HTTP /HTTPS /FTP /SSH /SMTP /SNMP etc. | Can this be elaborated. It is very open ended | Bidder has to comply with RFP terms |
| 42 | 13 | 8.40 | Propose solutions should have secure, authorize and privileged based access for Server management console | Does it mean that we are expected to supply PIM/ PAM solution as part of the offering? Does not the Bank have this already? | Bidder has to comply with RFP terms |
| 43 | 13 | 8.43 | The Bidder should be able to install and configure the following components at DC location & DR Locations related to Server Virtualizations | These are doable - but it is imperative to have the DB Server, DBA, Storage and Backup Automation vendor participation | Bidder has to comply with RFP terms |
| 44 | 13 | 8.44 | The Bidder should be able to install & configure backup solution for VM Virtual Infrastructure using Disk--> Disk or Disk --> tape on both DC and DR Sites | This is doable - but it is imperative that Canara Bank shares at RFP stage more information on the Backup Automation Platform + also ensure participation of the Backup Automation vendor | Bidder has to comply with RFP terms |
| 45 | 14 | 8.46 | The Bidder should be able to install and configure the following components at DC location & DR Locations related to Web application | The Bank has to ensure the Weblogic Edition that supports Clustering (incase Application Tier Level clustering is required) + Bank has to confirm on the Load Balancer (as we do not find Load Balancer in the RFP). Without detailed Information - the requirement stated is very open ended | Kindly Refer the Amendment - 1 |



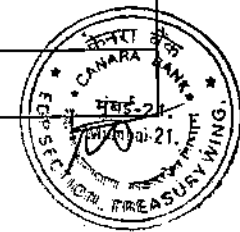
| | | | | | |
|----|---------|---------------------------------|--|---|-------------------------------------|
| 46 | 14 | 8.47 | Configuration of backup for DB and replication between DC and DR Sites | For Backup - we need participation of Backup Automation vendor + Bank has to ensure required licenses. In regard to Replication - Oracle DB replication using ODG will be done, but for any other replication - we need Bank to confirm on the approach and tool that would be provided | Bidder has to comply with RFP terms |
| 47 | 20 | 15 | Earnest Money Deposit (EMD)/Bank Guarantee In Lieu Of EMD | Here we request to revisit the EMD value and change it to 250000 | Bidder has to comply with RFP terms |
| 48 | 31 | 40 | Security Deposit / Performance Bank Guarantee | Need Bank to confirm the final SD/ PBG percentage + also the value being derived on Base or Base + Tax. We request the combined total percentage to be 10% (and not higher) | Bidder has to comply with RFP terms |
| 49 | 33 + 38 | 44 + 49 | Penalties/ Liquidated Damages + Uptime | On LD/ Penalty - by the Accounting Practice, the LD value derivation should be only on the Base Value and not Base + GST Value. The Bank has stated GST will be deducted on the LD value, Kindly review and rectify on this please | Kindly Refer the Amendment - 1 |
| 50 | 39 | 52.2 | The warranty will cover all supplied components including software and will start after project acceptance & signoff | We suggest a firm period definition here - we suggest you make it 39 months (so that there is parity) | Bidder has to comply with RFP terms |
| 51 | 63 | Annexure - 10 | Technical Specifications for Servers and Other Items [ACROSS all SPECS FOR SERVERS] | We suggest you consider Rack Servers as against Half Node Servers and the Servers being with Dual Processor upfront (Subsequent upgrade will be much expensive + availability concern. Also with single processor, there are issues related to limited RAM slots being available, limited onboard net ports being available, limited PCI slots being available). Also the memory upgradeability of 256GB in a Virtualised Platform is too low - this should be min 1TB | Bidder has to comply with RFP terms |
| 52 | 67 | Annexure-10/ Section G/ Point 1 | Oracle Web Logic Standard Edition Licenses - Qty. 8 | Kindly confir the Edition choosen provides for Load Balancing, Clustering (as those are stated as requirement). There is no Load Balancer also included in the Proposal - for the Load Balancing/ Fallover capability. We suggest the requirement is changed to Web Logic Enterprise Edition. Also can you give clarity on the allocation of the 8 licenses | Kindly Refer the Amendment - 1 |
| 55 | 24 | 27 | PoC | Kindly confirm the scope of PoC | Bidder has to comply with RFP terms |
| 56 | 40 | 53.2 | The Bank may enter into AMC Contract at its discretion after the warranty period | Will the PO be released with AMC contracts of additional 3 years as that has been taken into consideration for TCO (as in page 91) | Bidder has to comply with RFP terms |
| 57 | 32 | 42.2 | Delivery period of 4 weeks | Kindly make the delivery period as 6 to 8 weeks, as 5 to 6 weeks are taken by the principal to deliver on placing the order + there is transit involved. | Kindly Refer the Amendment - 1 |
| 58 | 32 | 42.4 | Instalaltion within 2 weeks | Kindly make the installation period as 4 weeks as there is lot of activity involved from multiple people. Do note DB installtion & migration / Backup configuration should not be part of this rfp as they are not to be supplied by vendor. Also there is mention of cluster / load balancing which are not part of supply. Requesting you to pls. make Scope of work pertaining to this rfp supply and take an realistic estimate of time for the same from concerned involved. | Bidder has to comply with RFP terms |
| 59 | 33 | 44.3 | GST on LD amount | LD is being applied on GST included value of invoice, then why is there additional GST on the LD value | Kindly Refer the Amendment - 1 |
| 60 | 40 | 53.6 | Additional 10% PBG for AMC less than 4% of cost | Kindly confirm what is the cost - 4% of cost. We request you to pls define a minimum percentage of AMC on the base item instead of taking 10% PBG as the costing of PBG varies from company to company, this will be more in the interest of bank. | Bidder has to comply with RFP terms |
| 61 | 32 | 43 | Predispach Inspection | Pls. do the inspection at your site as we cannot & should not open your delivery at our warehouse. Also there is risk of damage as the secured boxes once opened. | Bidder has to comply with RFP terms |



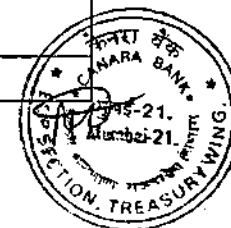
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| 62 | 53 | c | Bidder has to show turnover of 50 Crores | Pls. confirm if submitting of audited balance sheets will suffice and CA certificate will not be needed | Bidder has to comply with RFP terms |
| 63 | 54 | h | Bidder has to show positive Networth | Instead of CA certificate, can we show our Profit & Loss statement to confirm on the same | Bidder has to comply with RFP terms |
| 64 | 54 | e | PO or refrence letter for 50 Nos of Servers supplied to to Financial Institutions/Scheduled Commercial Banks/Public Sector undertakings in India | Requesting you to kindly include Reputed companies also in this criteria of reference customer. | Bidder has to comply with RFP terms |
| 65 | 75 | Anx 17 | Cost of Items in Price bid format In Annxeure 17 | Pls club the all Items in the Individual Tables as one. So there is separate price for Table A , Table B etc. IN the price bid format, individual price of internal part of servers is asked which is not possible to give (like fro processor / chipset / memory etc..) | Kindly Refer the Amendment - 1 |
| 66 | | | | There is no mention of back aligned contracts with repective principals during warranty and AMC period. Requesting you to put in condition of Back aligned contracts so there is no ambiguity of support assurance. | Kindly Refer the Amendment - 1 |
| 67 | 63 | B.8 | NIC | Bank is requested to change the claut to minimum 4 no. of ports Instead of adaptors as the asked server form factor of half node cannot provide 4 no. of pci-e slots. | Kindly Refer the Amendment - 1 |
| 68 | 64 | B.13 | OS support & Hypervisor Support | The servers based on Intel's latest Skylake cpu does not support Oracle Linux 7.3. Bank is requested to change it to Oracle Linux 7.4 or above. | Kindly Refer the Amendment - 1 |
| 69 | 64 | B.13 | OS support & Hypervisor Support | The servers based on Intel's latest Skylake cpu does not Solaris as Solaris runs on RISC based CPU architecture while Intel is a CISC based CPU architecture.Bank is requested to remove Solaris support. | Kindly Refer the Amendment - 1 |
| 70 | 64 | B.16 | Software Compatibility | The servers based on Intel's latest Skylake cpu does not support Oracle Linux 7.3. Bank is requested to change it to Oracle Linux 7.4 or above. | Kindly Refer the Amendment - 1 |
| 71 | 64 | B.16 | Software Compatibility | The servers based on Intel's latest Skylake cpu does not Solaris as Solaris runs on RISC based CPU architecture while Intel is a CISC based CPU architecture.Bank is requested to remove Solaris support. | Kindly Refer the Amendment - 1 |
| 72 | 63 | C.9 | NIC | Bank is requested to change the claut to minimum 4 no. of ports Instead of adaptors as the asked server form factor of half node cannot provide 4 no. of pci-e slots. | Kindly Refer the Amendment - 1 |
| 73 | 64 | C.14 | OS support & Hypervisor Support | The servers based on Intel's latest Skylake cpu does not support Oracle Linux 7.3. Bank is requested to change it to Oracle Linux 7.4 or above. | Kindly Refer the Amendment - 1. |
| 74 | 64 | C.14 | OS support & Hypervisor Support | The servers based on Intel's latest Skylake cpu does not Solaris as Solaris runs on RISC based CPU architecture while Intel is a CISC based CPU architecture.Bank is requested to remove Solaris support. | Kindly Refer the Amendment - 1 |
| 75 | 64 | C.17 | Software Compatibility | The servers based on Intel's latest Skylake cpu does not support Oracle Linux 7.3. Bank is requested to change it to Oracle Linux 7.4 or above. | Kindly Refer the Amendment - 1 |
| 76 | 65 | C.17 | Software Compatibility | The servers based on Intel's latest Skylake cpu does not Solaris as Solaris runs on RISC based CPU architecture while Intel is a CISC based CPU architecture.Bank is requested to remove Solaris support. | Kindly Refer the Amendment - 1 |
| 77 | 65 | D.8 | NIC | Bank is requested to change the claut to minimum 4 no. of ports Instead of adaptors as the asked server form factor of half node cannot provide 4 no. of pci-e slots. | Kindly Refer the Amendment - 1 |
| 78 | 65 | D.13 | OS support & Hypervisor Support | The servers based on Intel's latest Skylake cpu does not support Oracle Linux 7.3. Bank is requested to change it to Oracle Linux 7.4 or above. | Kindly Refer the Amendment - 1 |



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| 79 | 65 | D.13 | OS support & Hypervisor Support | The servers based on Intel's latest Skylake cpu does not Solaris as Solaris runs on RISC based CPU architecture while Intel is a CISC based CPU architecture.Bank is requested to remove Solaris support. | Kindly Refer the Amendment - 1 |
| 80 | 65 | D.16 | Software Compatibility | The servers based on Intel's latest Skylake cpu does not support Oracle Linux 7.3. Bank is requested to change it to Oracle Linux 7.4 or above. | Kindly Refer the Amendment - 1 |
| 81 | 65 | D.16 | Software Compatibility | The servers based on Intel's latest Skylake cpu does not Solaris as Solaris runs on RISC based CPU architecture while Intel is a CISC based CPU architecture.Bank is requested to remove Solaris support. | Kindly Refer the Amendment - 1 |
| 82 | 66 | E.9 | NIC | Bank is requested to change the claut to minimum 4 no. of ports instead of adaptors as the asked server form factor of half node cannot provide 4 no. of pci-e slots. | Kindly Refer the Amendment - 1 |
| 83 | 66 | E.14 | OS support & Hypervisor Support | The servers based on Intel's latest Skylake cpu does not support Oracle Linux 7.3. Bank is requested to change it to Oracle Linux 7.4 or above. | Kindly Refer the Amendment - 1 |
| 84 | 66 | E.14 | OS support & Hypervisor Support | The servers based on Intel's latest Skylake cpu does not Solaris as Solaris runs on RISC based CPU architecture while Intel is a CISC based CPU architecture.Bank is requested to remove Solaris support. | Kindly Refer the Amendment - 1 |
| 85 | 66 | E.17 | Software Compatibility | The servers based on Intel's latest Skylake cpu does not support Oracle Linux 7.3. Bank is requested to change it to Oracle Linux 7.4 or above. | Kindly Refer the Amendment - 1 |
| 86 | 66 | E.17 | Software Compattibility | The servers based on Intel's latest Skylake cpu does not Solaris as Solaris runs on RISC based CPU architecture while Intel is a CISC based CPU architecture.Bank is requested to remove Solaris support. | Kindly Refer the Amendment - 1 |
| 87 | 66 | F.9 | NIC | Bank is requested to change the claut to minimum 4 no. of ports instead of adaptors as the asked server form factor of half node cannot provide 4 no. of pci-e slots. | Kindly Refer the Amendment - 1 |
| 88 | 67 | F.14 | OS support & Hypervisor Support | The servers based on Intel's latest Skylake cpu does not support Oracle Linux 7.3. Bank is requested to change it to Oracle Linux 7.4 or above. | Kindly Refer the Amendment - 1 |
| 89 | 67 | F.14 | OS support & Hypervisor Support | The servers based on Intel's latest Skylake cpu does not Solaris as Solaris runs on RISC based CPU architecture while Intel is a CISC based CPU architecture.Bank is requested to remove, Solaris support. | Kindly Refer the Amendment - 1 |
| 90 | 67 | F.17 | Software Compatibility | The servers based on Intel's latest Skylake cpu does not support Oracle Linux 7.3. Bank is requested to change it to Oracle Linux 7.4 or above. | Kindly Refer the Amendment - 1 |
| 91 | 67 | F.17 | Software Compatibility | The servers based on Intel's latest Skylake cpu does not Solaris as Solaris runs on RISC based CPU architecture while Intel is a CISC based CPU architecture.Bank is requested to remove Solaris support. | Kindly Refer the Amendment - 1 |
| 92 | 67 | G.Technical Specifications of Software Items | 2.Hypervisor | No of Physical Servers Considered for Server Virtualization Hypervisor at DC Site | 10 Physical Servers at each site |
| 93 | 67 | G.Technical Specifications of Software Items | 2.Hypervisor | No of socket license to be proposed for Virtualization Solution at DC Site | Minimum 16 sockets to be licensed at each site |
| 94 | 67 | G.Technical Specifications of Software Items | 2.Hypervisor | No of Physical Servers Considered for Server Virtualization Hypervisor at DR Site | 10 Physical Servers at each site |
| 95 | 67 | G.Technical Specifications of Software Items | 2.Hypervisor | No of socket license to be proposed for Virtualization solution at DR Site | Minimum 16 sockets to be licensed at each site |



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|-----|----|---|---|--|-------------------------------------|
| 96 | 67 | G.Technical Specifications of Software Items | 2.Hypervisor | Total no of Server VM's to be Created on Virtualization Environment. Number & Type of Windows and Linux Server VM's? | Bidder has to comply with RFP terms |
| 97 | 67 | G.Technical Specifications of Software Items | 2.Hypervisor | 1. No of Physical Servers to be Virtualized(P2V) at DC Location. 2.No of Windows servers for P2V 3. No of Linux Servers for P2V 4. Please specify the list of Physical Server Type(App Server/ WebServer/DB Server/etc..) to be Virtualized(P2V) 5. Storage size of each Physical Servers | Bidder has to comply with RFP terms |
| 98 | 67 | G.Technical Specifications of Software Items | 2.Hypervisor | 1. No of Virtual Servers to be Virtualized(V2V) at DC Location. 2.No of Windows servers for V2V 3. No of Linux Servers for V2V 4. Specify the list of Virtual Server Type(App Server/ WebServer/DB Server/etc..) to be Virtualized(V2V) 5. Storage Size of each Virtual Servers. 6.Specify the current Virtual Environment solution where the server VM's are hosted and running? | Bidder has to comply with RFP terms |
| 99 | 67 | G.Technical Specifications of Software Items | 2.Hypervisor | 1. No of Physical Servers to be Virtualized(P2V) at DR Location. 2.No of Windows servers for P2V 3. No of Linux Servers for P2V 4. Please specify the list of Physical Server Type(App Server/ WebServer/DB Server/etc..) to be Virtualized(P2V) 5. Storage size of each Physical Servers | Bidder has to comply with RFP terms |
| 100 | 67 | G.Technical Specifications of Software Items | 2.Hypervisor | 1. No of Virtual Servers to be Virtualized(V2V) at DR Location. 2.No of Windows servers for V2V 3. No of Linux Servers for V2V 4. Specify the list of Virtual Server Type(App Server/ WebServer/DB Server/etc..) to be Virtualized(V2V) 5. Storage Size of each Virtual Servers. 6.Specify the current Virtual Environment solution where the server VM's are hosted and running? | Bidder has to comply with RFP terms |
| 101 | 67 | G.Technical Specifications of Software Items | 1.Oracle Web Logic Standard Edition License | 1.Would Oracle Web logic Standard Edition Server going to run on Physical or Virtual Environment? 2.How many Oracle Web Servers at DC and DR Locations? 3. Do we have to consider Highavailability/Clustering for Oracle Web logic Std server? | Kindly Refer the Amendment - 1 |
| 102 | 67 | G.Technical Specifications of Software Items | 3.Oracle Linux OS | 1.Would Oracle Linux OS going to run on Physical or Virtual Environments? 2.How many Oracle Linux Servers at DC and DR Locations? 3.Do we have to consider Highavailability/Clustering for Oracle Linux server? | Kindly Refer the Amendment - 1 |
| 103 | 64 | Annexure 10, B. Technical Specifications of Application Server (2 Nos. at DC and 2 Nos. at DR) - FC HBA | Minimum 2 Nos. of 16 Gtg Fiber Channel HBA port | This should be dual port HBA, Apollo XL170 has two expansion Two expansion slots 1 Will be consumed by 4 x 1G card and one with dual port HBA. | Kindly Refer the Amendment - 1 |
| 104 | 64 | OS Support & Hypervisor Support | All Kind of x86 & x86_64 OS (Windows 2012 R2 Server Standard edition or later, and RHEL 7.2, Oracle Linux 7.3, Solaris 5.11 or later etc). Hypervisor Support (ESXi, Hyper-V, OVM etc) | Support for Oracle Linux 7.3, Solaris 5.11 or later etc. is not specified for Apollo XL170 Gen 10 | Kindly Refer the Amendment - 1 |
| 105 | 64 | Software Compatibility | RHEL 7.2, Oracle Linux 7.3, Solaris 5.11 or later compatible kernel | Oracle Linux 7.3, Solaris 5.11 or later etc. is not specified for Apollo XL170 Gen 10 | Kindly Refer the Amendment - 1 |



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|-----|----|--|---|--|-------------------------------------|
| 106 | 64 | OS Support & Hypervisor Support | All Kind of x86 & x86_64 OS (Windows 2012 R2 Server Standard edition or later, and RHEL 7.2, Oracle Linux 7.3, Solaris 5.11 or later etc). Hypervisor Support (ESXI, Hyper-V, OVM etc) | Oracle Linux 7.3, Solaris 5.11 or later etc. Is not specified for Apollo XL170 Gen 10 | Kindly Refer the Amendment - 1 |
| 107 | 65 | Software Compatibility | RHEL 7.2, Oracle Linux 7.3, Solaris 5.11 or later compatible kernel | Oracle Linux 7.3, Solaris 5.11 or later etc. Is not specified for Apollo XL170 Gen 10 | Kindly Refer the Amendment - 1 |
| 108 | 65 | FC HBA | Minimum 2 Nos. of 16 Gig Fiber Channel HBA ports | This should be dual port HBA, Apollo XL170 has two expansion Two expansion slots 1 Will be consumed by 4 x 1G card and one with dual port HBA | Kindly Refer the Amendment - 1 |
| 109 | 65 | OS Support & Hypervisor Support | All Kind of x86 & x86_64 OS (Windows 2012 R2 Server Standard edition or later, and RHEL 7.2, Oracle Linux 7.3, Solaris 5.11 or later etc). Hypervisor Support (ESXI, Hyper-V, OVM etc) | Oracle Linux 7.3, Solaris 5.11 or later etc. Is not specified for Apollo XL170 Gen 10 | Kindly Refer the Amendment - 1 |
| 110 | 65 | Software Compatibility | RHEL 7.2, Oracle Linux 7.3, Solaris 5.11 or later compatible kernel | Oracle Linux 7.3, Solaris 5.11 or later etc. Is not specified for Apollo XL170 Gen 10 | Kindly Refer the Amendment - 1 |
| 111 | 66 | FC HBA | Minimum 2 Nos. of 16 Gig Fiber Channel HBA ports | This should be dual port HBA, Apollo XL170 has two expansion Two expansion slots 1 Will be consumed by 4 x 1G card and one with dual port HBA. | Kindly Refer the Amendment - 1 |
| 112 | 66 | OS Support & Hypervisor Support | All Kind of x86 & x86_64 OS (Windows 2012 R2 Server Standard edition or later, and RHEL 7.2, Oracle Linux 7.3, Solaris 5.11 or later etc). Hypervisor Support (ESXI, Hyper-V, OVM etc) | Oracle Linux 7.3, Solaris 5.11 or later etc. Is not specified for Apollo XL170 Gen 10 | Kindly Refer the Amendment - 1 |
| 113 | 66 | Software Compatibility | RHEL 7.2, Oracle Linux 7.3, Solaris 5.11 or later compatible kernel | Oracle Linux 7.3, Solaris 5.11 or later etc. Is not specified for Apollo XL170 Gen 10 | Kindly Refer the Amendment - 1 |
| 114 | 67 | FC HBA | Minimum 2 Nos. of 16 Gig Fiber Channel HBA port | This should be dual port HBA, Apollo XL170 has two expansion Two expansion slots 1 Will be consumed by 4 x 1G card and one with dual port HBA. | Kindly Refer the Amendment - 1 |
| 115 | 67 | OS Support & Hypervisor Support | All Kind of x86 & x86_64 OS (Windows 2012 R2 Server Standard edition or later, and RHEL 7.2, Oracle Linux 7.3, Solaris 5.11 or later etc). Hypervisor Support (ESXI, Hyper-V, OVM etc) | Oracle Linux 7.3, Solaris 5.11 or later etc. Is not specified for Apollo XL170 Gen 10 | Kindly Refer the Amendment - 1 |
| 116 | 67 | Software Compatibility | RHEL 7.2, Oracle Linux 7.3, Solaris 5.11 or later compatible kernel | Oracle Linux 7.3, Solaris 5.11 or later etc. Is not specified for Apollo XL170 Gen 10 | Kindly Refer the Amendment - 1 |
| 117 | 67 | Oracle Web Logic Standard Edition Licenses | Perpetual Licenses | looking for weblogic clustering then standard edition is not the right fit, need to go for Enterprise Edition If Server is up to 2 Socket : Oracle Linux Premier Limited & Oracle VM Premier Limited or If Server is more than 2 Socket : Oracle Linux Premier & Oracle Linux Premier . | Kindly Refer the Amendment - 1 |
| 118 | 64 | Processor | Intel® Xeon® Gold Processor 6142 (16 Core, 2.60 GHz Base Frequency, 22 MB L3 Smart Cache) or higher Should be scalable to 2 CPUs socket | | Bidder has to comply with RFP terms |

Note:

1. All the other Instructions and Terms and Conditions of the above RFP remains unchanged.
2. The RFP Clause or RFP Terms referred in the above replies & amendments means the RFP clause / terms detailed in the RFP Document DTD 24.07.2018 unless otherwise modified in the above replies & amendments
3. This document will form part & parcel of our RFP No. ITW/RFP-02/2018-19 dtd 24.07.2018
4. Please take note of the above replies and Amendments while submitting your response to the subject RFP.
5. All the other Instructions and Terms & Conditions of the above RFP remain unchanged.

Date: 03/08/2018

Place : Mumbai

G. V. PRABHU
Deputy General Manager
Integrated Treasury Wing, Mumbai

Deputy General Manager

