

Amendment-1 to "RFP 17/2020-21 dated 16/09/2020 for Supply, Installation, Configuration, Implementation and Maintenance of Servers and Other Items in Canara Bank"

It is decided to amend the following in respect of the above RFP:

a. Bid Schedule (Serial No. 10 & 11, Page no. 2):

Description	Existing details	Amended details
	Date, Time and Venue	Date, Time and Venue
Last Date and Time for Submission of Bids	07/10/2020, Wednesday upto 3.00pm Venue: Canara Bank, First Floor, DIT Wing-HO (Annex), Naveen Complex, 14 M G Road, Bengaluru 560001.	<u>16/10/2020, Friday</u> upto 3.00pm Venue: Canara Bank, First Floor, DIT Wing-HO (Annex), Naveen Complex, 14 M G Road, Bengaluru 560001.
Date, Time & Venue for opening of Part A- Conformity to Eligibility Criteria.	07/10/2020, Wednesday at 3.30pm Venue: Canara Bank, Second Floor, Conference Hall, DIT Wing-HO (Annex), Naveen Complex, 14 M G Road, Bengaluru 560001.	<u>16/10/2020, Friday</u> at 3.30pm Venue: Canara Bank, Second Floor, Conference Hall, DIT Wing-HO (Annex), Naveen Complex, 14 M G Road, Bengaluru 560001.

Sl. No.	Page No.	Section/ Annexure/ Appendix of the RFP	Clause No.	Existing	Amended
b.	11	B. INTRODUCTION	8. Scope of Work	8.4. The proposed server network interfaces ports should be compatible for connecting proposed CISCO switches for private zone connectivity and Bank existing CISCO Nexus 9000 series switches for public zone connectivity as per Oracle datasheets/documents for RAC.	This RFP Clause stands deleted.
c.	13	C. DELIVERABLES & SERVICE LEVEL AGREEMENTS (SLAS)	1. Supply, Installation, Configuration, Implementation and Maintenance of Servers and Other related items	1.2. Bidder should ensure installation, configuration, Integration, Implementation and commissioning of the delivered Hardware & Software and complete all the works specified in the Scope of Work at the bank branch/office within 4 weeks from the date of delivery of all the materials for each ordered locations.	1.2. Bidder should ensure installation, configuration, Integration, Implementation and commissioning of the delivered Hardware & Software and complete all the works specified in the Scope of Work at the bank branch/office within <u>6 weeks</u> from the date of delivery of all the materials for each ordered locations.



d.	23	Section D	BID PROCESS	Section D (BID PROCESS)	<u>Amended Section D (BID PROCESS) is attached as Annexure.</u>
e.	30	Section H	PURCHASE PREFERENCE	Section H (PURCHASE PREFERENCE)	<u>Amended Section H (PURCHASE PREFERENCE) is attached as Annexure.</u>
f.	36 to 45	Annexure-7	Functional and Technical Specifications /Requirements for Supply, Installation, Configuration, Implementation and Maintenance of Servers and Other items in Canara Bank	Annexure-7 (Functional and Technical Specifications /Requirements for Supply, Installation, Configuration, Implementation and Maintenance of Servers and Other items in Canara Bank)	<u>Amended Annexure-7 (Functional and Technical Specifications /Requirements for Supply, Installation, Configuration, Implementation and Maintenance of Servers and Other items in Canara Bank.) is attached as Annexure.</u>
g.	46	Annexure-8	Scope of Work	1. The scope of services and maintenance is to be provided for a period of 5 years from date of acceptance by the bank. (3 years warranty and 3 years AMC.)	1. The scope of services and maintenance is to be provided for a period of <u>6 years</u> from date of acceptance by the bank. (3 years warranty and 3 years AMC.)

All the other Instructions and Terms & Conditions of the above RFP remain unchanged.
Please take note of the above Amendments while submitting your response to the subject RFP.

Date: 06/10/2020
Place: Bengaluru


Deputy General Manager



AMENDED SECTION D - BID PROCESS

1.	Clarification to RFP & Pre-Bid queries	9.	Software Version
2.	Pre-Bid Meeting	10.	Documentation
3.	Amendment to Bidding Document	11.	Cost & Currency
4.	Bid System Offer	12.	Erasures or Alterations
5.	Preparation of Bids (Not Applicable)	13.	Assumptions/Presumptions/Modification
6.	Tender Fee	14.	Submission of Bids (Not Applicable)
7.	Earnest Money Deposit (EMD)/Bank Guarantee In Lieu Of EMD	15.	Bid opening
8.	Make & Models	16.	Submission of Bids Through E-Tendering Portal:

The above mentioned clauses **except Preparation of Bids and Submission of Bids** are part and parcel of the RFP. Bidders are requested to refer at the following website for the above mentioned clauses https://www.canarabank.com/User_page.aspx?othlink=5. The following clauses are part and parcel of the RFP in place of Preparation of Bids and Submission of Bids.

16. Submission of Bids Through E-Tendering Portal:

16.1. **E-Tendering:** This Tender will follow E-Tendering process [e-bids] which will be conducted by Banks' authorized E-Tendering Vendor M/s e-Procurement Technologies Ltd., [abcProcure] through their Website as per details given below:

16.1.1. Submission of Conformity to Eligibility Criteria, Technical Bid & Commercial Bid by the Bidder.

16.1.2. Opening of Conformity to Eligibility Criteria, Technical Bid & Commercial Bid by the Bank.

16.1.3. Clarification, if any, sought by the Bank.

16.1.4. On-line evaluation by the Bank.

16.1.5. On-Line Reverse Auction.

Representative of Bidders will be given training for e-Tendering portal access by M/s e-Procurement Technologies Ltd., [abcProcure].

The response to the present tender will be submitted by way of three stage bidding process "Conformity to Eligibility Criteria, Technical bid & Commercial bid". Bidders need to submit all three bids through online mode at Bank's e-Tendering portal <https://canarabank.abcprocure.com>. Physical submission of Bids will not be accepted.



16.2. Rules for Web Portal Access:

- 16.2.1. Bidder should be in possession of Class II or Class III Digital Certificate in the name of company/bidder with capability of signing and encryption for participating in the e-tender. Bidders may use Digital Certificates issued in the name of individuals upon submission of authorization certificate from the company for the same to the e-tendering service provider and prior approval from Bank officials. Bidders are advised to verify their digital certificates with the service provider at least two days before due date of submission and confirm back to Bank.
- 16.2.2. E-Tendering will be conducted on a specific web portal as detailed in Bid Schedule of this RFP meant for this purpose with the help of the Service Provider identified by the Bank as detailed in above clause 16.1.
- 16.2.3. Bidders will participate in E-Tendering event from their own office/place of their choice. Internet connectivity/browser settings and other paraphernalia requirements shall have to be ensured by Bidder themselves.
- 16.2.4. In the event of failure of their internet connectivity (due to any reason whatsoever it may be) either the service provider or Bank is not responsible.
- 16.2.5. In order to ward-off such contingent situation, Bidders are advised to make all the necessary arrangements/alternatives such as back-up power supply, connectivity whatever required so that they are able to circumvent such situation and still be able to participate in the E-Tendering Auction (if Applicable) successfully.
- 16.2.6. However, the Bidders are requested to not to wait till the last moment to quote their bids to avoid any such complex situations.
- 16.2.7. Failure of power at the premises of bidders during the E-Tendering cannot be the cause for not participating in the E-Tendering.
- 16.2.8. On account of this, the time for the E-Tendering cannot be extended and Bank is not responsible for such eventualities.
- 16.2.9. Bank and/or Service Provider will not have any liability to Bidders for any interruption or delay in access to site of E-Tendering irrespective of the cause.
- 16.2.10. Bank's e-tendering website will not allow any bids to be submitted after the deadline for submission of bids. In the event of the specified date and time for the submission of bids, being declared a holiday for the bank, e-tendering website will receive the bids upto the appointed time on the next working day. Extension / advancement of submission date and time will be at the sole discretion of the Bank.
- 16.2.11. However, during the submission of bid, if any bidder faces technical issues and was unable to submit the bid, in such case the Bank reserves



its right to grant extension for bid submission by verifying the merits of the case and after checking necessary details from Service Provider.

16.3. Information for Online Participation

16.3.1. Bidders who wish to participate in online tenders will have to register with the website (<https://canarabank.abcprocure.com>) through the "New user Registration" link provided on the home page. Bidder will create login id & password on their own in registration process.

16.3.2. FACILITIES PROVIDED TO REGISTERED BIDDERS/ VENDORS BY THE SERVICE PROVIDER M/S e-Procurement Technologies Ltd:

The following facilities shall be provided to the registered bidders/ vendors for participating in the e-tendering process.

16.3.2.1. Digital Signature Certificate issued by approved certifying authority.

16.3.2.2. Hardware token to store the Digital Signature.

16.3.2.3. Training to the Vendor/Contractor for participating in the bids through e-tendering Website.

16.3.2.4. 24x7, 365 days call center support/ email/ phone/ fax/ chat / mobile etc. in all possible medium.

16.3.2.5. Registration with the e-tendering website.

16.3.2.6. Bidders/Vendors/Contractors shall be permitted to participate in any other e-tender on the service provider's website for any other organization to whom the services are being provided.

16.3.2.7. User Manual/ Training Kit to the Vendor/ Contractor.

16.3.2.8. Any no. of users of Vendor/ Contractor organization can take training on the e-tendering system.

16.3.3. Bidders who wish to participate in this tender need to procure Digital Signature Certificate as per Information Technology Act-2000 using that they can digitally sign their electronic bids. Bidders can procure the same from any or the CCA approved certifying agencies, or they may contact e-Procurement Technologies Ltd. at below mentioned address and they will assist them in procuring the same. Bidders who already have a valid Digital Signature Certificate need not procure the same. In case bidders need any clarification regarding online participation, they can contact,

e-Procurement Technologies Ltd. (abc Procure)
Corporate Office:
B-705 Wall Street-2, Opp-Orient Club,
Nr.Gujarat College, Ellis Bridge, Ahmedabad.
Tel: +91-079-40016802 - 882



Fax: +91-079-40016816/876
Cell: +91-9374519754, +91-9377988119
Email: support@abcprocure.com ; Website:
<http://www.abcprocure.com>

- 16.3.4. Bidders who wish to participate in e-Tender need to fill data in predefined forms of RFP, Technical, Price bid available in respective tender only.
- 16.3.5. Bidder should upload all the copies of relevant documents without fail in support of their bid and as per the instructions given in tender documents.
- 16.3.6. After filling data in predefined forms bidders need to click on final submission link to submit their encrypted bid.
- 16.4. Bidders satisfying the RFP Clauses, Specific terms and conditions and General terms and conditions specified in this RFP and ready to provide the said IT Assets and Vendor Management Solution for Canara Bank in conformity with Technical Specifications and models stipulated in **Annexure-7**, may submit their bid through Bank's e-tendering service provider website <https://canarabank.abcprocure.com> on or before the timeline stipulated in Bid Schedule. Refer above clause 16.3.3 for E-Tendering Service pre requisite for bid submission. Bids submitted by any other means other than bid submission in e-tendering website will not be accepted by the Bank.

16.5. Submission of Documents:

In addition to uploading the documents in the e-tendering portal, Bidder should also submit the following in a sealed cover to the address notified in the Bid Schedule on or before the due date mentioned in Bid Schedule.

- 16.5.1. Demand Draft/Details of Online payment towards cost of Tender Fee.
- 16.5.2. Demand Draft /Details of Online payment/Bank Guarantee in lieu of EMD towards EMD.
- 16.5.3. Pre-Contract Integrity Pact as per Appendix-I.
- 16.5.4. Acknowledgement issued by e-tendering system for having received the bid through e-tendering system (By Email or Hard copy).

In case the above documents are not submitted on or before the due date mentioned in Bid Schedule, the bid will be rejected even if the copies of documents are uploaded in the Bank's e-tendering service provider website.

16.6. Part A- Conformity to Eligibility Criteria:

- 16.6.1. Before submitting the bid, the bidders should ensure that they confirm to the eligibility criteria as stated in **Annexure-2** of this RFP. Only after satisfying themselves of the eligibility, the Offer should be submitted.



- 16.6.2. The Conformity to Eligibility Criteria as per Annexure-2 among others must contain Demand Draft towards the Tender Fee as per the Clause 6 and EMD/ Bank Guarantee in lieu of EMD as per Appendix-F of this document.
- 16.6.3. The Conformity to Eligibility Criteria should be complete in all respects and contain all information sought for, as per Appendix-A.
- 16.6.4. After ensuring the above, it shall be submitted in the Bank's e-tendering service provider website.

16.7. Part B-Technical Proposal:

- 16.7.1. Technical Proposal should be submitted as per the format in Appendix-B. Relevant technical details and documentation should be provided along with Technical Proposal.
- 16.7.2. It is mandatory to provide the technical details of the Solution required by the bank in the exact format of Annexure-7 of this tender.
- 16.7.3. The offer may not be evaluated and may be rejected by the Bank without any further reference in case of non-adherence to the format or partial submission of technical information as per the format given in the offer.
- 16.7.4. If any part of the technical specification offered by the bidder is different from the specifications sought in our RFP, the bidder has to substantiate the same in detail the reason for their quoting a different specification than what is sought for, like higher version or non-availability of the specifications quoted by us, invariably to process the technical offer.
- 16.7.5. The Bank shall not allow / permit changes in the technical specifications once it is submitted.
- 16.7.6. The relevant product information, brand, and model number offered, printed product brochure, technical specification sheets etc. should be submitted along with the Offer. Failure to submit this information along with the offer may result in disqualification.
- 16.7.7. The Technical Proposal should be complete in all respects and contain all information sought for, as per Appendix-B. The Part B-Technical Proposal should be complete and should cover all products and services.
- 16.7.8. After ensuring the above, it shall be submitted in the Bank's e-tendering service provider website.

16.8. Part C-Commercial Bid:

- 16.8.1. Bill of Material shall be submitted as per Annexure-14 and other terms and conditions of RFP on prices. The Bill of Material should give all relevant price information as per Annexure-14. Any deviations from



the Bill of Material / non submission of prices as per the format shall make the bid liable for rejection.

16.8.2. Bidder must take care in filling price information in the Commercial Offer, to ensure that there are no typographical or arithmetic errors. All fields must be filled up correctly.

16.8.3. Any change in the Bill of Material format may render the bid liable for rejection. The Commercial Bids that are incomplete or conditional are liable to be rejected.

16.8.4. The Bidder should indicate the individual taxes, and its applicable rate along with the estimated tax amounts to be paid by the Bank.

16.8.5. After ensuring the above, it shall be submitted in the Bank's e-tendering service provider website.

16.9. The following officials will facilitate in bid related queries.

First Official	Alternate Official
Mr. Atul Senior Manager Canara Bank Procurement Group, DIT Wing, First Floor, Naveen Complex, 14 M G Road, Bengaluru - 560 001. Tel - 080 25590070	Mr. M Nagendra Kumar Divisional Manager Canara Bank Procurement Group, DIT Wing, First Floor, Naveen Complex, 14 M G Road, Bengaluru - 560 001. Tel - 080 25590832



Amended Section H (PURCHASE PREFERENCE)

Purchase Preference to Micro and Small Enterprises (MSEs) and Startups and Purchase Preference linked with Local Content (PP-LC) shall be applicable subject to full compliance of other terms and conditions of the RFP and Contract. Following are the conditions applicable as per the Government of India Guidelines on Purchase Preference.

1. Micro & Small Enterprises [MSEs]:

Procurement through MSEs (Micro & Small Enterprises) will be done as per the Policy guidelines issued by the Ministry of Micro, Small & Medium Enterprises vide Gazette notification no. D.L.-33004/99 dated 23.03.2012 and as amended from time to time. Following are the conditions applicable as per the Government of India Guidelines

- 1.1. MSEs should provide proof of their being registered as MSE (indicating the Date of their Registration) **for the item** under Tender/ RFP along with their offer, with any agency mentioned in the Notification, including:
 - 1.1.1. District Industries Centres or
 - 1.1.2. Khadi Village Industries Commission or
 - 1.1.3. Khadi & Village Industries Board or
 - 1.1.4. Coir Board or National Small Industries Corporation or
 - 1.1.5. Directorate of Handicrafts & Handloom or
 - 1.1.6. Any other body specified by the Ministry of Micro, Small & Medium Enterprises.
 - 1.1.7. For ease of registration of Micro and Small Enterprises (MSMEs), Ministry of MSE has started Udyog Aadhaar Memorandum which is an online registration system (free of cost) w.e.f. 18th September, 2015 and all Micro & Small Enterprises (MSEs) who are having Udyog Aadhaar Memorandum should also be provided all the benefits available for MSEs under the Public Procurement Policy for Micro and Small Enterprises (MSEs), Order 2012.
- 1.2. MSEs participating in tenders, quoting price within price band of L1+15% shall also be allowed to supply a portion of requirement by bringing down their price to L1 in a situation where L1 price is from someone other than MSE & such MSE shall be allowed to supply at least 20% of total tendered value. In case there are more than one MSEs within such price band and agree to bring down their price to L1, the 20% quantity is to be distributed proportionately among these Bidders.
- 1.3. MSEs are exempted from paying Application fee/cost & EMD, subject to furnishing of Valid certificate for claiming Exemption.
- 1.4. The Eligible MSEs who intend to match the L1 Price (ultimately decided by the Bank) shall indicate the willingness to match the L1 Price within 6 working days from the date of communication from the Bank to avail the purchase preference.
- 1.5. Bidder has to submit as self-declaration accepting that if they are awarded the contract and they fail to sign the contract, or to submit a performance security before the deadline defined in the RFP, they will be suspended for the period of three years from being eligible to submit Bids for contracts with Canara Bank as per Form PP-B.



- 1.6. The aforesaid Policy is meant for procurement of only goods produced and Services rendered by MSEs and not for any trading activities by them. An MSE unit will not get any Purchase Preference over any other MSE Unit.
- 1.7. The details are available on web site dcmsme.gov.in. Interested vendors are requested to go through the same for details.

2. Startup:

- 2.1. Applicable for Indian Bidders only as defined in gazette notification no. D.L-33004/99 dated 11.04.2018 of Ministry of Commerce and Industry and as amended from time to time.
- 2.2. As mentioned in Section-II of O.M. No.F.20/2/2014-PPD(Pt.) dated 20.09.2016 of Procurement Policy Division, Department of Expenditure, Ministry of Finance on Prior turnover and prior experience, relaxations may be applicable for all Startups [whether Micro & Small Enterprises (MSEs) or otherwise] subject to meeting of the quality and technical specifications specified in tender document.
- 2.3. Further, the Startups are also exempted from submission of Tender Fee and EMDs.
- 2.4. For availing the relaxations, bidder is required to submit requisite certificate towards Startup enterprise registration issued by Department of Industrial Policy and Promotion, Ministry of Commerce and the certificate should be certified by the Chartered Accountant (not being an employee or a Director or not having any interest in the bidder's company/firm) and notary public with legible stamp.
- 2.5. Bidder has to submit as self-declaration accepting that if they are awarded the contract and they fail to sign the contract, or to submit a performance security before the deadline defined in the RFP, they will be suspended for the period of three years from being eligible to submit Bids for contracts with Canara Bank as per Form PP-B.

3. Procurement through Local Suppliers (Make in India):

Department for Promotion of Industry and Internal Trade under Ministry of Commerce and Industry vide letter no. P-45021/2/2017-PP (BE-II) dated 04/06/2020 has notified revised guidelines to be followed to promote manufacturing and production of goods and services in India under "Make in India" initiative.

3.1. Definitions:

- 3.1.1. 'Local content' means a supplier or service provider whose product or service offered for procurement meets the minimum local content as prescribed under the aforesaid order or by the competent Ministries/Departments in pursuance of the aforesaid order.
- 3.1.2. 'Class-I local supplier' means a supplier or service provider, whose product or service offered for procurement, has local content equal to or more than 50% (unless otherwise prescribed by the Nodal Ministry).
- 3.1.3. 'Class-II local supplier' means a supplier or service provider, whose product or service offered for procurement, has local content more than 20% but less than 50% (unless otherwise prescribed by the Nodal Ministry).
- 3.1.4. 'Non - Local supplier' means a supplier or service provider, whose product or service offered for procurement, has local content less than or equal to 20% (unless otherwise prescribed by the Nodal Ministry).



- 3.1.5. The Margin of purchase preference shall be 20%.
- 3.2. Eligibility of 'Class-I local supplier' / 'Class-II local supplier' / 'Non-local suppliers' for different types of procurement:
- 3.2.1. In procurement of goods, services or works in respect of which the Nodal Ministry/Department has communicated that there is sufficient local capacity and local competition, only 'Class-I local supplier', shall be eligible to bid irrespective of purchase value.
- 3.2.2. In procurement of goods, services or works, not covered under Clause 3.2.1 above, and with estimated value of purchases less than Rs.200 Crore, in accordance with Rule 161(iv) of GFR, 2017, Global tender enquiry shall not be issued except with the approval of competent authority as designated by Department of Expenditure. Only 'Class-I local supplier' and 'Class-II local supplier' shall be eligible to bid, except when Global tender enquiry has been issued. In Global tender enquiries, 'Non-local suppliers' shall also be eligible to bid along with 'Class-I local suppliers' and 'Class-II local suppliers'.
- 3.3. For award of contract, the following clauses shall be applicable in addition to other provisions in the bidding document in this regard:
- 3.3.1. In the procurements of goods or works, which are covered under Clause 3.2.2 above and which are divisible in nature, the "Class-I local supplier" shall get purchase preference over 'Class-II local supplier' as well as 'Non-local supplier', as per following procedure:
- a. Among all qualified bids, the lowest bid will be termed as L1. If L1 is 'Class-I local supplier', the contract for full quantity will be awarded to L1.
- b. If L1 bid is not a 'Class-I local supplier', 50% of the order quantity shall be awarded to L1. Thereafter, the lowest bidder among the 'Class-I local supplier' will be invited to match the L1 price for the remaining 50% quantity subject to the Class-I local supplier's quoted price falling within the margin of purchase preference, and contract for that quantity shall be awarded to such 'Class-I local supplier' subject to matching the L1 price. In case such lowest eligible 'Class-I local supplier' fails to match the L1 price or accepts less than the offered quantity, the next higher 'Class-I local supplier' within the margin of purchase preference shall be invited to match the L1 price for remaining quantity and so on, and contract shall be awarded accordingly. In case some quantity is still left uncovered on Class-I local suppliers, then such balance quantity may also be ordered on the L1 bidder.
- 3.3.2. In the procurements of goods or works, which are covered under Clause 3.2.2 above and which are not divisible in nature, and in procurement of services where the bid is evaluated on price alone, the 'Class-I local supplier' shall get purchase preference over 'Class-II local supplier' as well as 'Non-local supplier', as per following procedure:
- a. Among all qualified bids, the lowest bid will be termed as L1. If L1 is 'Class-I local supplier', the contract will be awarded to L1.
- b. If L1 is not 'Class-I local supplier', the lowest bidder among the 'Class-I local supplier', will be invited to match the L1 price subject to Class-I

local supplier's quoted price falling within the margin of purchase preference, and the contract shall be awarded to such 'Class-I local supplier' subject to matching the L 1 price.

- c. In case such lowest eligible 'Class-I local supplier' fails to match the L1 price, the 'Class-I local supplier' with the next higher bid within the margin of purchase preference shall be invited to match the L1 price and so on and contract shall be awarded accordingly. In case none of the 'Class-I local supplier' within the margin of purchase preference matches the L 1 price, the contract may be awarded to the L1 bidder.
 - d. "Class-II local supplier" will not get purchase preference in any procurement, undertaken by procuring entities.
- 3.4. Purchase preference for domestic manufacturer/local supplier, methodology of its implementation, value addition to be achieved by domestic manufacturers, self-certification, compliance, monitoring and other terms & conditions shall be as per the aforesaid Guidelines/Notifications. The Guidelines may be treated as an integral part of the tender documents.
 - 3.5. The preference to 'Public Procurement (Preference to Make in India) Order 2017' shall be subject to meeting technical specifications and full compliance of other terms and conditions of the RFP and Contract.
 - 3.6. **Verification of local content:**
 - 3.6.1. The 'Class-I local supplier'/'Class-II local supplier' shall be required to indicate percentage of local content and provide self-certification (as per Form PP-C) along with the bid that the item offered meets the local content requirement for 'Class-I local supplier'/'Class-II local supplier', as the case may be. Bidders shall also give details of the location(s) at which the local value addition is made.
 - 3.6.2. The 'Class-I local supplier'/'Class-II local supplier' quoting value in excess of Rs.10 crores, shall be required to provide a certificate (as per Form PP-D) bid from the statutory auditor or cost auditor of the company (in case bidder is a company) or from a practicing cost accountant or practicing chartered accountant (in case bidder is other than company) giving the percentage of local content.
 - 3.7. False declarations will be in breach of the Code of Integrity under Rule 175(1)(i)(h) of the General Financial Rules issued by the Ministry of Finance for which a bidder or its successors can be debarred for up to two years as per Rule 151 (iii) of the General Financial Rules along with such other actions as may be permissible under law.
 - 3.8. All the relevant documents/information regarding claim for preferential treatment under this policy must be submitted along with offer by the tenderers. Post tender submission of these information/documents shall not be considered. Further firms seeking these considerations shall be completely responsible for the truthfulness and authenticity of their claim for these benefits.
 - 3.9. **Ministry of Electronics and Information Technology (MeitY):**

In furtherance of the Public Procurement (Preference to Make in India) Order 2017 notified vide reference cited above, Ministry of Electronics and Information Technology, Government of India has notified ten (10) electronic products vide reference F.No.33(1)/2017-IPHW dated 14.09.2017.



3.9.1. Domestic Manufacturers are required to indicate the domestic value addition/Local Content in terms of Bill of Material (BoM) for the quoted products, in terms of aforesaid guidelines, in their bid. Bidders, claiming to bid in the status of domestic manufacturer/local supplier on behalf of domestic manufacturer are also required to give an undertaking in the format as given in MeitY Form-1.

3.10. Department of Telecommunications (DoT):

In furtherance of the Public Procurement (Preference to Make in India) Order 2017, Department of Telecommunications, Ministry of Communications, Government of India has notified Thirty-Six (36) Telecom Products, Services and Works vide reference No. 18-10/2017-IP dated 29.08.2018.

3.10.1. Domestic Manufacturers are required to indicate the domestic value addition/Local Content in terms of Bill of Material (BoM) for the quoted products, in terms of aforesaid guidelines, in their bid. Bidders, claiming to bid in the status of domestic manufacturer/local supplier on behalf of domestic manufacturer are also required to give an undertaking in the format as given in DoT Form-1.

3.11. Canara Bank shall also have the authority to audit as well as witness production processes to certify the achievement of the requisite local content and/or to obtain complete back up calculation.

4. In case a bidder is eligible to seek benefit under Purchase PP-LC policy as well as PPP for MSE 2012, then the bidder should categorically seek benefits against only one of the two policies i.e. either PP-LC and MSE policy in Form PP-A. The option once exercised cannot be modified subsequently.

5. Purchase preference benefits shall be extended to the bidder based on the declared option subject to the bidder meeting the requirements contained in that purchase preference policy.

6. In case a MSEs bidder opts for purchase preference based on PP-LC, he shall not be entitled to claim purchase preference benefit available to MSE Bidders under PPP-2012. However, the exemptions from furnishing Bidding Document fee and Bid security/EMD shall continue to be available to MSE Bidders

7. For price matching opportunities and distribution of quantities among bidders (bidder's option to avail any one out of two applicable purchase preference policies, i.e., PP-LC-2017 or PPP-2012 will be considered), the precedence shall be in the following order:

7.1. Public Procurement Policy for MSE 2012

7.2. Purchase Preference linked with Local Content (PP-LC).



Amended Annexure-7

Functional and Technical Specifications /Requirements for Supply, Installation, Configuration, Implementation and Maintenance of Servers and Other items in Canara Bank

SUB: RFP for Supply, Installation, Configuration, Implementation and Maintenance of Servers and Other items in Canara Bank.

Ref: Your RFP 17/2020-21 dated 16/09/2020

Note:

1. The Bidder shall specifically mention the make and model of the items offered for all the requirements in terms of RFP without fail, failing which the Bid is liable for rejection.
2. If the Bidder feels that certain features offered are superior to what has been specified by the Bank, it shall be highlighted separately. Information regarding any modification required in the proposed configuration to meet the intent of the specifications and state-of-the-art technology shall be provided. However, the Bank reserves the right to accept the modifications / superior features suggested/offered.
3. The Bidder shall provide all other required equipment and services, whether or not explicitly mentioned in this RFP, to ensure the intent of specification, completeness, operability, maintainability and upgradability.
4. The selected bidder shall own the responsibility to demonstrate that the products offered are as per the specification/performance stipulated in this RFP and as committed by the bidder either at site or in bidder's work site without any extra cost to the Bank.

A. Technical specifications for Servers (5 Nos. at DC and 5 Nos. at DR):

Sl. No.	Particulars	Detailed Configuration	Bidder's Compliance (Yes/No)
1.	Make	Bidder to specify	
2.	Model	Bidder to specify	
3.	Form Factor	2U Rack Mountable Server with Rail Kits & Screws. Bezel	
4.	Processor	<ul style="list-style-type: none"> Socket: Minimum 2 Type: 2nd Generation Intel Xeon Scalable Processor Model: Intel® Xeon® Gold 6246R Processor Quantity: Minimum 2 Core: 16 Per Processor Unit Base Frequency: 3.40 GHz Turbo Frequency: 4.10 GHz Cache: Minimum 35.75 MB 	
5.	Platform Controller Hub	Intel C628 Chipset or latest/equivalent	
6.	Main Board	Suitable Intel Main Board or equivalent	
7.	Security	<ul style="list-style-type: none"> TPM 2.0 (optional) Cryptographically signed firmware Hardware root of trust 	



		<ul style="list-style-type: none"> Secure Boot System Lockdown System Erase BitLocker Drive Encryption AES New Instructions Trusted Execution Technology 	
8.	Speculative execution Side Channel Mitigation by hardware & Software	<ul style="list-style-type: none"> V1, Spectre V2, Spectre V3, Meltdown 	
9.	Reliability, Availability, and Serviceability (RAS)	<ul style="list-style-type: none"> Adaptive Double DRAM Device Correction (ADDDC) Advanced Error Detection and Correction (AEDC) Local Machine Check Exception (LMCE) 	
10.	Memory	<ul style="list-style-type: none"> Module Type: DDR4 DIMM Capacity: Minimum 32 GB Quantity: Minimum 16 Speed: Minimum 2666 Mhz Advanced ECC (Error Correcting Code) type or similar technology Registered ECC DIMMs 	
11.	Raid Controller	<ul style="list-style-type: none"> Interface: 8x PCIe 3.0 x16 Port/Channel: 8x Internal SAS port Data Transfer Rate: 12Gbps per lane Cache: 2GB RAID 0, 1, 10 & Single-Disk Cooling: Heat sink with intelligent Fan Management: Browser based Tool, CLI (Command Line Interface- scriptable configuration tool) and API Package SMTP Email Alert Notification Alarm Buzzer Storage Health Inspector Automatic and configurable RAID Rebuilding Priority Auto resume incomplete rebuilding after Single-RAID or Multi-RAID Arrays per Controller 	
12.	Disks	<ul style="list-style-type: none"> Data Center SSD for Enterprise Interface: 12 Gb/s SAS Dual-port Capacity: 1.6TB SSD or higher capacity No of Disks: 5 Form Factor: low profile Service: Hot swappable Throughput Sequential Read/Write: 900MBps/900MBps or more IOPS 4K Read/Write: 100K/60K or more for each disk 	



		<ul style="list-style-type: none"> Latency: read/write: <100 μs / <1 ms or less for each disk Power Loss Protection Static & Dynamic Wear Levelling Reliability tracking, usage statistics, Wear Leveling, temperature, Life Endurance - TBW: 6000 or more Endurance - DDPD 5 Year: 3 or less (Replacement warranty if endurance level is less than 95%) during entire contract period. 	
13.	Ethernet	<ul style="list-style-type: none"> Two Port of 1Gbase-T On-Board LOM with supported minimum 10 meter Cat6 UTP Cable Two Port of 10GbE Base T LOM with Supported minimum 30 Meter Cat6 UTP Cable Dedicate One Port of 1Gbase-T management port chassis card with minimum 10 meter Cat6 UTP Cable 	
14.	FC HBA	1 Nos of Dual Port 32GB FC HBA PCIe with Supported SFP+ transceivers and 2 Nos of minimum 30 Meter OM3 FC cable for SAN Connectivity to existing SAN Switches & Storage (FC HBA & transceivers should Support 16GBps Switch)	
15.	PCI Slots	4 x16 Gen3 PCIe slots per 2U compute module	
16.	Ports	<ul style="list-style-type: none"> 1 USB 3.0 1 VGA 	
17.	Out of Band Management	<ul style="list-style-type: none"> Integrated BMC with IPMI 2.0 & Redfish Management of hardware and software components, Power on/off, boot process, Management log, dedicated Management ports. Should able to integrate with industry wide KVM solution. Management software should provide Role Based Security through LDAP or Local and able to provide pre-failure alarms for CPU, Memory & HDD by SMTP. 	
18.	OS Hypervisor & Certification	<p>Windows Server 2019 Standard and its roles/features</p> <ul style="list-style-type: none"> 2019 Hyper V Secure Boot TPM 2.0 BitLocker Drive <p>Red hat Enterprise Linux 8</p>	
19.	Power Supply	Server should be provided with Redundant hot swappable Power supplies. The Power supplies should be FCC class A certified and power cables to be IEC C13-14.	
20.	FAN	Server should have redundant fully populated Hot swap fans	
21.	Serviceability	Hot-swap/redundant fans, and PSUs; light path diagnostic LEDs	
22.	UEFI	UEFI 2.3.1c-based system and firmware that supports	



	Firmware	secure boot	
23.	Drivers & Accessories	Required drivers and accessories to be provided	
24.	Warranty and Support	03 Years, Comprehensive, On-Site Support Warranty including part replacement/repairs within 4 hours of reporting, and Software support for updates, upgrades, patches, and bug fixes for supplied s/w from OEM 24 x 7 x 365 days. SSD drives should be covered for irrespective of read/writes on them. In case of Disk failure, the faulty disk will be maintained /destroyed by Canara Bank. Proactive storage monitoring & support from OEM should be enabled. The proposed bidder will need to ensure support of product & change of components @ zero cost in case of any part becoming obsolete/EOL & EOS	

B. Technical Specifications of Server (14 Nos. at DC and 10 Nos. at DRC):

Sl. No.	Particulars	Detailed Configuration	Bidder's Compliance (Yes/No)
25.	Make	Bidder to specify	
26.	Model	Bidder to specify	
27.	Form Factor	2U Rack Mountable Server with Rail Kits & Screws. Bezel	
28.	Processor	<ul style="list-style-type: none"> • Socket: Minimum 2 • Type: 2nd Generation Intel Xeon Scalable Processor • Model: Intel® Xeon® Gold 6246R Processor • Quantity: Minimum 1 with Upgrade option • Core: 16 Per Processor Unit • Base Frequency: 3.40 GHz • Turbo Frequency: 4.10 GHz • Cache: Minimum 35.75 MB 	
29.	Platform Controller Hub	Intel C628 Chipset or latest/equivalent	
30.	Main Board	Suitable Intel Main Board or equivalent	
31.	Security	<ul style="list-style-type: none"> • TPM 2.0 (optional) • Cryptographically signed firmware • Hardware root of trust • Secure Boot • System Lockdown • System Erase • BitLocker Drive Encryption • AES New Instructions • Trusted Execution Technology 	
32.	Speculative execution Side Channel Mitigation by hardware & Software	<ul style="list-style-type: none"> • V1, Spectre • V2, Spectre • V3, Meltdown 	



33.	Reliability, Availability, and Serviceability (RAS)	<ul style="list-style-type: none"> Adaptive Double DRAM Device Correction (ADDDC) Advanced Error Detection and Correction (AEDC) Local Machine Check Exception (LMCE) 	
34.	Memory	<ul style="list-style-type: none"> Module Type: DDR4 DIMM Capacity: Minimum 32 GB Quantity: Minimum 4 Speed: Minimum 2666 Mhz Advanced ECC (Error Correcting Code) type or similar technology Registered ECC DIMMs 	
35.	Raid Controller	<ul style="list-style-type: none"> Interface: 8x PCIe 3.0 x16 Port/Channel: 8x Internal SAS port Data Transfer Rate: 12Gbps per lane Cache: 2GB RAID 0, 1, 10 & Single-Disk Cooling: Heat sink with intelligent Fan Management: Browser based Tool, CLI (Command Line Interface- scriptable configuration tool) and API Package SMTP Email Alert Notification Alarm Buzzer Storage Health Inspector Automatic and configurable RAID Rebuilding Priority Auto resume incomplete rebuilding after Single-RAID or Multi-RAID Arrays per Controller 	
36.	Disks	<ul style="list-style-type: none"> Data Center SSD for Enterprise Interface: 12 Gb/s SAS Dual-port Capacity: 960TB SSD or higher capacity No of Disks: 2 Form Factor: low profile Service: Hot swappable Throughput Sequential Read/Write: 5GBps/3GBps or more IOPS 4K Read/Write: 100K/60K or more for each disk Latency: read/write: <100 μs / <1 ms or less for each disk Power Loss Protection Static & Dynamic Wear Levelling Reliability tracking, usage statistics, Wear Leveling, temperature, Life Endurance - TBW: 6000 or more Endurance - DWPD 5 Year: 3 or less (Replacement warranty if endurance level is less than 95%) during entire contract period. 	
37.	Ethernet	<ul style="list-style-type: none"> Two Port of 1Gbase-T On-Board LOM with 	



		supported minimum 10 meter Cat6 UTP Cable <ul style="list-style-type: none"> Two Port of 10GbE Base T LOM with Supported minimum 30 Meter Cat6 UTP Cable Dedicate One Port of 1Gbase-T management port chassis card with minimum 10 meter Cat6 UTP Cable 	
38.	FC HBA	1 Nos of Dual Port 32GB FC HBA PCIe with Supported SFP+ transceivers and 2 Nos of minimum 30 Meter OM3 FC cable for SAN Connectivity to existing SAN Switches & Storage (FC HBA & transceivers should Support 16GBps Switch)	
39.	PCI Slots	4 x16 Gen3 PCIe slots per 2U compute module	
40.	Ports	<ul style="list-style-type: none"> 1 USB 3.0 1 VGA 	
41.	Out of Band Management	<ul style="list-style-type: none"> Integrated BMC with IPMI 2.0 & Redfish Management of hardware and software components, Power on/off, boot process, Management log, dedicated Management ports. Should able to integrate with industry wide KVM solution. Management software should provide Role Based Security through LDAP or Local and able to provide pre-failure alarms for CPU, Memory & HDD by SMTP. 	
42.	OS & Hypervisor Certification	<p>Windows Server 2019 Standard and its roles/features</p> <ul style="list-style-type: none"> 2019 Hyper V Secure Boot TPM 2.0 BitLocker Drive <p>Red hat Enterprise Linux 8</p>	
43.	Power Supply	Server should be provided with Redundant hot swappable Power supplies. The Power supplies should be FCC class A certified and power cables to be IEC C13-14.	
44.	FAN	Server should have redundant fully populated Hot swap fans	
45.	Serviceability	Hot-swap/redundant fans, and PSUs; light path diagnostic LEDs	
46.	UEFI Firmware	UEFI 2.3.1c-based system and firmware that supports secure boot	
47.	Drivers & Accessories	Required drivers and accessories to be provided	
48.	Warranty and Support	03 Years, Comprehensive, On-Site Support Warranty including part replacement/repairs within 4 hours of reporting, and Software support for updates, upgrades, patches, and bug fixes for supplied s/w from OEM 24 x 7 x 365 days. SSD drives should be covered for irrespective of read/writes on them. In case of Disk failure, the faulty disk will be maintained /destroyed by Canara Bank. Proactive storage monitoring & support from OEM should be enabled. The proposed bidder will need to	



	ensure support of product & change of components @ zero cost in case of any part becoming obsolete/EOL & EOS	
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C. Technical Specifications of Server (5 Nos. at DC and 5 Nos. at DRC):

Sl. No.	Particulars	Detailed Configuration	Bidder's Compliance (Yes/No)
1.	Make	Bidder to specify	
2.	Model	Bidder to specify	
3.	Form Factor	2U Rack Mountable Server with Rail Kits & Screws. Bezel	
4.	Processor	<ul style="list-style-type: none"> • Socket: Minimum 2 • Type: 2nd Generation Intel Xeon Scalable Processor • Model: Intel® Xeon® Gold 6248R Processor • Quantity: Minimum 2 • Core: Minimum 24 Per Processor Unit • Base Frequency: 3.00 GHz • Turbo Frequency: 4.00 GHz • Cache: Minimum 35.75 MB 	
5.	Platform Controller Hub	Intel C628 Chipset or latest/equivalent	
6.	Main Board	Suitable Intel Main Board or equivalent	
7.	Security	<ul style="list-style-type: none"> • TPM 2.0 (optional) • Cryptographically signed firmware • Hardware root of trust • Secure Boot • System Lockdown • System Erase • BitLocker Drive Encryption • AES New Instructions • Trusted Execution Technology 	
8.	Speculative execution Side Channel Mitigation by hardware & Software	<ul style="list-style-type: none"> • V1, Spectre • V2, Spectre • V3, Meltdown 	
9.	Reliability, Availability, and Serviceability (RAS)	<ul style="list-style-type: none"> • Adaptive Double DRAM Device Correction (ADDDC) • Advanced Error Detection and Correction (AEDC) • Local Machine Check Exception (LMCE) 	
10.	Memory	<ul style="list-style-type: none"> • First Module Type: DDR4 DIMM • Capacity: 32 GB • Quantity: 12 • Speed: 2666 MHz • Second Module Type: DCPMM/PMEMs • Capacity: 256 GB 	



		<ul style="list-style-type: none"> Quantity: 12 Speed: 2666 MHz DCPMM Modes: Memory/App Direct/Mixed Memory Advanced ECC (Error Correcting Code) type or similar technology Registered ECC DIMMs 	
11.	NVMe Raid Controller	<ul style="list-style-type: none"> Interface: 8x PCIe 3.0 x16 Port/Channel: 8x Internal U.2 NVMe port Data Transfer Rate: 8GT per lane / 8Gbps per lane Cache: 2GB RAID 0, 1, 10 & Single-Disk Cooling: Heat sink with intelligent Fan Management: Browser based Tool, CLI ((Command Line Interface- scriptable configuration tool)and API Package SMTP Email Alert Notification Alarm Buzzer Storage Health Inspector NVMe SMART status Automatic and configurable RAID Rebuilding Priority Auto resume incomplete rebuilding after Single-RAID or Multi-RAID Arrays per Controller 	
12.	NVMe SSD	<ul style="list-style-type: none"> Data Center SSD 3D TLC for Enterprise Interface: PCIe NVMe Gen3 x4 Capacity: 3TB SSD or higher capacity No of Disks: 8 x U.2 NVMe SSD's Form Factor: low profile Service: Hot swappable Throughput Sequential Read/Write: 3GBs/2.5GBs or more IOPS 4K Read/Write: 100K/60K or more for each disk Latency: read/write: <100 μs / <1 ms or less for each disk Power Loss Protection Static & Dynamic Wear Levelling Reliability tracking, usage statistics, Wear Leveling, temperature, Life Endurance - TBW: 3PB or more Endurance - DWPD 5 Year: 1 (Replacement warranty if endurance level is less than 95%) during entire contract period. 	
13.	Ethernet	<ul style="list-style-type: none"> Two Port of 1Gbase-T On-Board LOM with supported minimum 10 meter Cat6 UTP Cable Two Port of 10GbE Base T LOM with Supported minimum 30 Meter Cat6 UTP Cable Dedicate One Port of 1Gbase-T management port chassis card with minimum 10 meter Cat6 UTP Cable 	



14.	FC HBA	1 Nos of Dual Port 32GB FC HBA PCIe with Supported SFP+ transceivers and 2 Nos of minimum 30 Meter OM3 FC cable for SAN Connectivity to existing SAN Switches & Storage (FC HBA & transceivers should Support 16GBps Switch)	
15.	PCI Slots	4 x16 Gen3 PCIe slots per 2U compute module	
16.	Ports	<ul style="list-style-type: none"> 1 USB 3.0 1 VGA 	
17.	Out of Band Management	<ul style="list-style-type: none"> Integrated BMC with IPMI 2.0 & Redfish Management of hardware and software components, Power on/off, boot process, Management log, dedicated Management ports. Should able to integrate with industry wide KVM solution. Management software should provide Role Based Security through LDAP or Local and able to provide pre-failure alarms for CPU, Memory & HDD by SMTP. 	
18.	OS & Hypervisor Certification	<p>Windows Server 2019 Standard and its roles/features</p> <ul style="list-style-type: none"> 2019 Hyper V Secure Boot TPM 2.0 BitLocker Drive Remote Server Administration Tools (RSAT) Remote Desktop Services <p>Red hat Enterprise Linux 8</p>	
19.	Power Supply	Server should be provided with Redundant hot swappable Power supplie. The Power supplies should be FCC class A certified and power cables to be IEC C13-14.	
20.	FAN	Server should have redundant fully populated Hot swap fans	
21.	Serviceability	Hot-swap/redundant fans, and PSUs; light path diagnostic LEDs	
22.	UEFI Firmware	UEFI 2.3.1c-based system and firmware that supports secure boot	
23.	Drivers & Accessories	Required drivers and accessories to be provided	
24.	Warranty and Support	03 Years, Comprehensive, On-Site Support Warranty including part replacement/repairs within 4 hours of reporting, and Software support for updates, upgrades, patches, and bug fixes for supplied s/w from OEM 24 x 7 x 365 days. SSD drives should be covered for irrespective of read/writes on them. In case of Disk failure, the faulty disk will be maintained /destroyed by Canara Bank. Proactive storage monitoring & support from OEM should be enabled. The proposed bidder will need to ensure support of product & change of components @ zero cost in case of any part becoming obsolete/EOL & EOS	



D. Technical Specifications of Software:

Sl. No.	Software/Operating System	Quantity	Bidder's Compliance (Yes/No)
1.	Microsoft Windows Server 2019 Standard Open License for 2 Core Pack	592	
2.	Windows Server Remote Desktop Services User CAL	300	
3.	Red hat Enterprise Linux with three year Standard Subscription	2	

Note: Bidders must fully comply with all requirements. Non-Compliance to any one of the requirements leads to disqualification of the Bidder in Part B - Technical Proposal.

Date:

Signature with seal

Name :

Designation :

