

CORRIGENDUM – V

Following clarification is being issued under the above referred RFP. The bidders to note that this clarification shall form an integral part of the above referred RFP and resulting contracts, if any.

Sr. No.	Clause ref.	Clause (in brief) of RFP requiring clarification (s)	Points of Clarification referred by Bidders	LIC Clarification/ modification in clause (highlighted in bold)
1	Page 21, Clause 3.7.7	Bid Submission Date & Time	The Bid submission date & Time.	All bidders are hereby informed that the date of Eligibility Bid Submission Date & Time : On 08/07/2019 latest by 2.30 p.m.
2	Page 7	Definitions & Abbreviations Eligibility Bid	This tender process is based on two bid procedure (Technical and Commercial). Eligibility conditions are used in this tender in lieu of empanelling process. Where the words “eligibility bid” appears the same should be read and understood as “response to eligibility conditions criteria”.	This tender process is based on two stage bidding procedure (First stage Eligibility bids and second stage Technical and Commercial bids). Eligibility conditions are used in this tender as empanelling process. Where the words “eligibility bid” appears the same should be read and understood as “response to eligibility conditions criteria”.
3	Page 10	Invitation to bid	The Life Insurance Corporation of India (hereinafter referred to as “LIC”) a statutory corporation established under section 3 of Life Insurance Corporation Act 1956 (XXXI of 1956) and having its Corporate Office at “Yogakshema”, Jeevan Bima Marg, Mumbai – 400021, hereby invites technically complete and commercially competitive proposals/sealed responses (hereinafter referred to as “Bids”), to this Request for Proposal (“RFP”) from eligible bidders for Procurement of Infrastructure Solution, Installation, Testing, Commissioning, migration of data with eFEAP application and Maintenance & Monitoring of Computer hardware, Storage, Software, Operating Systems, Backup Solutions, Data Replication, Other Peripherals and Essential licenses for Data replication, virtualization, backup, monitoring tools, security software, BCP software tools and other proposed software, herein after referred to as (“Infrastructure Solution”) to migrate the Corporation’s existing eFEAP related	The Life Insurance Corporation of India (hereinafter referred to as “LIC”) a statutory corporation established under section 3 of Life Insurance Corporation Act 1956 (XXXI of 1956) and having its Corporate Office at “Yogakshema”, Jeevan Bima Marg, Mumbai –400021, hereby invites eligibility bids in first stage followed by technically complete and commercially competitive proposals/sealed responses in second stage (hereinafter referred to as “Bids”), to this Request for Proposal (“RFP”) from eligible bidders for Procurement of Infrastructure Solution, Installation, Testing, Commissioning, migration of data with eFEAP application and Maintenance & Monitoring of Computer hardware, Storage, Software, Operating Systems, Backup Solutions, Data Replication, Other Peripherals and Essential licenses for Data replication, virtualization, backup, monitoring tools, security software, BCP software tools and other proposed software, herein after referred to as (“Infrastructure Solution”) to migrate the Corporation’s existing eFEAP

			compute workloads from 113 divisional sites to consolidated DCs at eight zonal locations present in eight different geographical locations and two far disaster recovery sites at Bangalore and Navi Mumbai. This infrastructure solution should take care of future business needs of LIC as per the requirements set out in this RFP document.	related compute workloads from 113 divisional sites to consolidated DCs at eight zonal locations present in eight different geographical locations and two far disaster recovery sites at Bangalore and Navi Mumbai. This infrastructure solution should take care of future business needs of LIC as per the requirements set out in this RFP document.
4	Page 18 section 2.2.3	Important Phases of the project	<p>The entire project will be completed in a phased manner as described below.</p> <p>1. In the first phase of lift and shift all the web, app and databases will be hosted at zonal site as virtual machines. For example, in case of central zone having eight divisions hosted in Bhopal datacenter, there will be two web servers, two app servers and two database servers per division as virtual machines. This means that after migration to zonal data center there will be sixteen web servers, sixteen app servers and sixteen database servers in the form of virtual machines. Existing eFEAP application is segregated into user interface, business logic and data access layers. This three tier architecture will remain same till the system is stable after migration at zonal office, near DR and far DR's. In this phase migration of Data can happen from Divisional DC to either Co-location first or to Zonal DC directly.</p> <p>2. In the second phase web layer is proposed to be migrated to a single JEE 7 and above compliant web server middleware to be proposed by the bidder, which will replace sixteen web server VMs of central zone in the above example, to the proposed web server middleware solution which should be able to handle the load of complete zone. The bidder has to include JEE 7 and above compliant web server licenses and migration efforts from existing Glass fish web server to proposed web server middleware. The proposed web server middleware license / subscription should not be more than 256 cores (total requirement) after consolidation of web layer at all zonal offices instead of 1808 cores being used in existing Glassfish server in all 113 divisions.</p> <p>3. In third phase the business logic layer will be upgraded and proposed solution should support this change at hardware level and integration layer with new web server middleware.</p> <p>4. In fourth phase the individual database instances are proposed to be consolidated into one single database instance. The existing size of a divisional database is around 2 TB. In case of western zone after consolidation of all 23 divisions, the consolidated zonal database is</p>	<p>There are two phases in this project.</p> <p>Phase 1. In the first phase of lift and shift all the web, app and databases will be hosted at zonal site as virtual machines. For example, in case of central zone having eight divisions hosted in Bhopal data center, there will be two web servers, two app servers and two database servers per division as virtual machines. This means that after migration to zonal data center there will be sixteen web servers, sixteen app servers and sixteen database servers in the form of virtual machines. Existing eFEAP application is segregated into user interface, business logic and data access layers. This three tier architecture will remain same till the system is stable after migration at zonal office, near DR and far DR's. In this phase migration of Data can happen from Divisional DC to either Co-location first or to Zonal DC directly.</p> <p>Phase 2: In the second phase</p> <p>a) web layer is proposed to be migrated to JEE 7 and above compliant web server middleware.</p> <p>b) Existing MFSSOA is proposed to be migrated to latest version of Server for COBOL.</p> <p>c) Existing Mysql database is proposed to be upgraded to higher version.</p> <p>d) Existing TIBCO messaging solution is proposed to be migrated to latest version.</p> <p>e) Existing RHEL OS is proposed to be upgraded to higher version.</p> <p>Only first phase is under the scope of this RFP. The details of phase 2 are given as information to enable bidders to propose hardware infrastructure solution. Bidder should ensure that the proposed hardware must be compatible with software stack of both the phases. The hardware infrastructure proposed by the bidder should support all latest developments in IT field in terms of adaptability, capability and scalability of the infrastructure required for next seven years.</p>

			<p>nearing 50 TB of OLTP database. The proposed solution should consider the sizing requirements of consolidated database. It is possible that instead of consolidation at higher level, LIC may decide to keep the database layer as 113 divisional level databases or split the database at lower level i.e. at branch level, which may lead to 2048 small branch level database tenants or virtual machines. For example, in case of western zone there could be 400 branch level databases running instead of 23 divisional level databases or single consolidated zonal database. The proposed infrastructure solution should support all these possibilities and be compatible with such future requirements. There is a possibility that LIC may decide to shift to cloud native applications like containers in the near future. The hardware infrastructure proposed by the bidder should support all latest developments in IT field in terms of adaptability, capability and scalability of the infrastructure required for next seven years.</p>	
5	Page 18 section 2.2.4	Evaluation Approach	New Section added	<p>In view of the complex nature of solution in this project, two stage evaluation approach is being adopted.</p> <ol style="list-style-type: none"> 1. In Stage One, Bidder to submit only Eligibility Bid along with all the relevant documents. 2. Eligibility Bid will be evaluated and the successful bidders will be shortlisted and notified. 3. Technical discussions/presentations with the short-listed bidders will be conducted and opportunity will be given to all such bidders to participate in the discussions. 4. During these technical discussions stage LIC may add other stakeholders like OEM's, Consultants, Analysts etc. who could add value to the decision making on the technical aspects and evaluation criteria. 5. Based on the discussions/presentations held as above, suitable technical solutions could be decided upon by laying down the technical specifications for the same with quality benchmarks, warranty requirements, delivery milestones etc. so as to provide equitable opportunities to the prospective bidders. 6. In Stage Two, Bids will be invited from the shortlisted bidders as per point no.2 above, to present technical and indicative commercial bid in response to the revised set of terms and conditions of the procurement.

				<p>7. Any bidder invited to bid after being shortlisted as per point no.2 , but not in a position to supply the subject matter of procurement due to modification in the specifications or terms and conditions, is allowed to withdraw from the bidding proceedings before submission of technical bid without forfeiting any bid security, by declaring his intention to withdraw from the procurement proceedings with adequate justification.</p> <p>8. Remaining shortlisted bidder as per point no.7 will be invited to present Proof of Solution(POS).</p> <p>9. Remaining shortlisted bidders as per point no. 8 above who qualifies the Technical bid and successfully demonstrates POS as above, will be qualified for Online Reverse Auction(ORA).</p>
6	Page 20 Section 3.6	Bid Processing Fee	<p>Eligible and interested bidders shall download the soft copy of the bid document containing all the Annexure and submit the Bid Processing Fee (non-refundable) of Rs. 10,000.00 in the form of a Demand Draft drawn on Nationalized/Scheduled bank in favour of "LIC of India" payable at Mumbai, along with the bid.</p> <p>Empanelled Vendors/Bidders interested in submitting Bid will have to submit the Bid processing fees along with the Eligibility, Technical and Commercial bid (in 3 separate envelopes). Any bid submitted without Bid Processing Fee will be summarily rejected.</p>	<p>Eligible and interested bidders shall download the soft copy of the bid document containing all the Annexure and submit the Bid Processing Fee (non-refundable) of Rs. 11,800.00 (Inclusive of applicable Taxes) in the form of a Demand Draft drawn on Nationalized Bank in favour of "LIC of India" payable at Mumbai, along with the Eligibility Bid.</p> <p>Bidders interested in submitting Bid will have to submit the Bid processing fees along with the Eligibility Bid Envelope Only. Any bid submitted without Bid Processing Fee will be summarily rejected.</p>
7	Page 21 Section 3.7	Activity Schedule 2. Bid Processing Fee (non-refundable)	Rs. 10,000/- (Rs. Ten Thousand Only) by way of Demand Draft, issued in favour of "LIC of India", drawn on any Nationalized / Scheduled bank payable at "Mumbai" shall be submitted with the Bid.	Rs. 11,800/- (Rs. Eleven Thousand Eight Hundred Only) Inclusive of applicable Taxes, by way of Demand Draft, issued in favour of "LIC of India", drawn on any Nationalized bank payable at "Mumbai" shall be submitted with the Bid.
8	Page 21 Section 3.7	Activity Schedule 7. Bid Submission Date & Time	Bid Submission Date &Time	All bidders are hereby informed that the date of Eligibility Bid Submission Date &Time is 08 th July 2019 latest by 2.30 p.m.
9	Page 21 Section 3.7	Activity Schedule 8. Eligibility Bid opening date/time/ venue	The Eligibility Bids will be opened by the Tender opening committee of LIC in the presence of the bidders' representatives who choose to attend, at the above mentioned address, on 13/02/2019 at 2.30 p.m.	The Eligibility Bids will be opened by the Tender opening committee of LIC in the presence of the bidders' representatives who choose to attend, at the above mentioned address, on 8 th July,2019 at 3.00 p.m.

10	Page 27 Section 3.13	Instructions for Bid Submission	The submissions need to be made at the address, time and date as stated in this RFP. All envelopes should be securely sealed and stamped. The authorized signatories of the Bidder should initial on all pages of the proposal.	The submissions need to be made at the address, time and date as stated in this RFP. In the First Stage, Bidders to submit only eligibility envelope and related documents which should be securely sealed and stamped. The authorized signatories of the Bidder should initial on all pages of the proposal. Technical and Commercial Bids will have to be submitted in the Second Stage. All other paragraphs under section 3.13 remains same but any reference regarding Technical Bid and/or Commercial Bid in this RFP is applicable only for Stage Two process.
11	Page 37 Section 3.25	Procedure for opening of the bids	Bids received within the specified closing date and time in the Activity Schedule will be opened in the presence of bidders' representatives (maximum two representatives per bidder in each of the bid openings) who choose to attend the opening of the bids on the specified date, time and venue as given in the Activity Schedule. The representatives of the bidders should carry the organization's photo identity card or a letter of authority bearing their photograph from the bidder organization to identify their credentials for attending the opening of the commercial Bids. The Pre-Contract Integrity Pact and Eligibility Bid shall be opened by the Tender Opening Committee of LIC, as stated in the activity schedule. After completion of evaluation of eligibility bid, the result of the bidders qualifying for the technical evaluation will be notified on the LIC website. The Eligibility and Technical Bids of the qualified bidders shall be duly scrutinized and evaluated and clarifications (if any) sought. The Bidder who has been declared Eligible after the Eligibility Bid Evaluation and who on the basis of scoring at least 70% marks in the Technical Evaluation will be eligible for Commercial evaluation. In case the number of qualifying bidders are more than 10 then only top 10 bidders based on their technical score will be shortlisted for the POC stage. On completion of the Eligibility and Technical bid evaluation, the commercial bids of technically short listed bidders will be opened by the Tender Opening Committee of LIC in the presence of the bidders/ their authorized representatives who choose to attend. The date and time for opening of the Commercial Bid will be informed to the qualified bidders. The representatives of the bidders should carry the organization's photo identity card or a letter of authority bearing their photograph from the bidder organization to identify their credentials for attending the opening of the commercial Bids. The commercial bid evaluation will be in two stages, that is first opening of the Commercial Bid submitted by the Bidders and then	Bids received within the specified closing date and time in the Activity Schedule will be opened in the presence of bidders' representatives (maximum two representatives per bidder in each of the bid openings) who choose to attend the opening of the bids on the specified date, time and venue as given in the Activity Schedule. The representatives of the bidders should carry the organization's photo identity card or a letter of authority bearing their photograph from the bidder organization to identify their credentials for attending the opening of the commercial Bids. The Pre-Contract Integrity Pact and Eligibility Bid shall be opened by the Tender Opening Committee of LIC, as stated in the activity schedule. The Bids of the bidders shall be duly scrutinized and evaluated and clarifications (if any) sought. After completion of evaluation of eligibility bid, the result of the bidders qualifying for the technical evaluation will be notified on the LIC website. The Bidder who has been declared Eligible after the Eligibility Bid Evaluation and who on the basis of scoring at least 70% marks in the Technical Evaluation will be eligible for Commercial evaluation. In case the number of qualifying bidders are more than 10 then only top 10 bidders based on their technical score will be shortlisted for the POC stage. On completion of the Eligibility and Technical bid evaluation, the commercial bids of technically short listed bidders will be opened by the Tender Opening Committee of LIC in the presence of the bidders/ their authorized representatives who choose to attend. The date and time for opening of the Commercial Bid will be informed to the qualified bidders. The representatives of the bidders should carry the organization's photo identity card or a letter of authority bearing their photograph from the bidder organization to identify their credentials for attending the opening of the commercial Bids. The commercial bid evaluation will be in two stages, that is first opening of the Commercial Bid submitted by the Bidders and then Online Reverse Auction will be conducted and the eligible Bidders will be informed about the "Business Rules" and the details of the ORA, subsequently. The L1 rate

			<p>Online Reverse Auction will be conducted and the eligible Bidders will be informed about the “Business Rules” and the details of the ORA, subsequently. The L1 rate will be discovered and declared as L1 rate, based on the outcome of the Online Reverse Auction (ORA).</p> <p>Request to extend validity period and EMD by LIC In case the tendering process has not been completed within the stipulated period, LIC may request the bidders to extend the validity period of the bid and EMD.</p> <p>Right to accept any bid and to reject any or all Bid(s) LIC reserves the right to accept or reject any bid, and to annul the tendering process and reject all bids at any time prior to award of contract, without thereby incurring any liability to the affected bidder or bidders or any obligation to inform the affected bidder or bidders of the grounds for LIC ‘s action.</p> <p>Notification of award After Online Reverse Auction, LIC will notify the successful bidder in writing, that its proposal has been accepted and send the Bidder the Contract Form incorporating all terms and conditions between the two parties. The Bidder, in turn, has to confirm the acceptance for the Offer made by LIC through mail or registered letter.</p>	<p>will be discovered and declared as L1 rate, based on the outcome of the Online Reverse Auction (ORA).</p> <p>Request to extend validity period and EMD by LIC In case the tendering process has not been completed within the stipulated period, LIC may request the bidders to extend the validity period of the bid and EMD.</p> <p>Right to accept any bid and to reject any or all Bid(s) LIC reserves the right to accept or reject any bid, and to annul the tendering process and reject all bids at any time prior to award of contract, without thereby incurring any liability to the affected bidder or bidders or any obligation to inform the affected bidder or bidders of the grounds for LIC ‘s action.</p> <p>Notification of award After Online Reverse Auction, LIC will notify the successful bidder in writing, that its proposal has been accepted and send the Bidder the Contract Form incorporating all terms and conditions between the two parties. The Bidder, in turn, has to confirm the acceptance for the Offer made by LIC through mail or registered letter.</p>
12	Page 42 Section 6	ELIGIBILITY CRITERIA	<p>To become eligible to respond to this RFP, the bidder should fulfil the following minimum Eligibility criteria and should submit following Eligibility Documents.</p> <p>1.</p>	<p>Eligibility Criteria for Stage One:</p> <ol style="list-style-type: none"> a) The Bidder should be as on the date of submission of this bid, a registered Company in India. b) The bidder should not have been debarred by any PSU/Banks/Govt. Agency, as on date of submission of bid. c) The bidder should have minimum annual turnover of Rs. 500 Crores in the last audited Financial Year and in at least in one of the two previous Financial Years. d) The bidder should have positive net worth of Rs. 25 Crores as per the last audited financial report. If financial reports of 2018-19 are not audited, then CA certified financial reports of 2018-19 should also be submitted along with last audited financial report. e) The bidder should have manpower of at least 500 technical resources on their pay roll in the relevant technology as on bid submission date. f) The bidder must possess the following certifications related to IT infrastructure on the bid submission date. <ol style="list-style-type: none"> i. ISO 9001:2008 or latest. ii. ISO 27001:2013 or latest. iii. ISO 20000. g) The Bidder should be in a business of supply, delivery,

				<p>installation, configuration, maintenance and support of Integrated Systems, Virtualization and Enterprise Storage systems and equipment in India at least for the last 3 years as on bid submission date.</p> <p>h) Bidder should have existing partnership with OEM(s) of the required technology.</p> <p>i) Bidder must have implemented similar Infrastructure solution in at least 2 companies having purchase order along with implementation reports worth not less than Rs 15 crores each or 3 companies having purchase order along with implementation reports worth not less than 10 crores each for supply of converged, hyper converged, Integrated Systems in India within the last three financial years. At least one among these should be from Government Departments/PSU/BFSI sector companies.</p> <p>j) The bidder should have experience in implementing and commissioning at least 2 projects involving HCI/CI.</p> <p>k) The bidder should have either of the below mentioned experience in India;</p> <ul style="list-style-type: none"> i. Created and migrated existing physical servers of at least 1000 VIRTUAL MACHINES in single project/client as on bid submission date. ii. Commissioned any state/central Government cloud enabled data centre infra as on bid submission date. iii. Consolidated and migrated at least 50 distributed locations in one project/location as on bid submission date. <p>l) The bidder should be actively managing at least 500 VIRTUAL MACHINES in India as on bid submission date.</p> <p>m) The bidder must submit i) Integrity Pact, ii) EMD, and iii) NDA.</p> <p>n) In case the bidder is not OEM, a letter of authorization (MAF) to this effect from OEM(s) specifying that in case authorized representative is not able to provide support/ upgrade during contract period, OEM shall provide the same product or the components to the authorized representative.</p> <p>o) The above eligibility criteria must be complied as per annexure X Compliance sheet for Qualification Bid.</p> <p>p) Bidders having met ALL the criteria mentioned above along with supporting documents are only eligible for shortlisting.</p>
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				The decision of LIC would be final and binding on all the Bidders to this RFP. LIC may accept or reject an offer without assigning any reason what so ever.
13	Page 39 Section 4.2	Technical specifications	Please refer enclosed excel sheet for Annexure(VIII)	The revised Annexure VIII will be informed to shortlisted bidders. However , annexure XI needs to be submitted along with eligibility bid.
14	Page 39 Section 4.2	Commercial annexure for quotes	Please refer enclosed excel sheet for Annexure(IX)	The revised Annexure IX will be informed to shortlisted bidders.
15	Page 39 Section 4.1	General conditions	Two New line added	Any reference regarding Technical Bid and/or Commercial Bid in this RFP is applicable only for Stage Two process mentioned in the section 2.2.4 A panel of shortlisted bidders declared after stage 1, will be created for purchase of miscellaneous items upto 10 Lakhs per item by calling limited tenders for efeat next project.
16	Page 32 Section 3.16	Commercial Bid Submission. Documents Required for Bid Submission	Envelope-I – Pre-Contract Integrity Pact: Envelope-II - Eligibility Bid: Envelope-III - Technical Bid: Envelope-IV - Commercial Bid:	Envelope-I – Pre-Contract Integrity Pact: Required in stage 1 Envelope-II - Eligibility Bid: Required in stage 1 Envelope-III - Technical Bid: Not Required in stage 1 but MAF is required. Envelope-IV - Commercial Bid: Not Required in stage 1
17	Page 52 section 9.10	Contracting	General Financial Rules 2005 for contract management http://finmin.nic.in/the_ministry/dept_expenditure/gfrs/GFR2005.pdf	General Financial Rules 2005 for contract management https://doe.gov.in/sites/default/files/GFR2017_0.pdf

EXECUTIVE DIRECTOR (IT/SD)