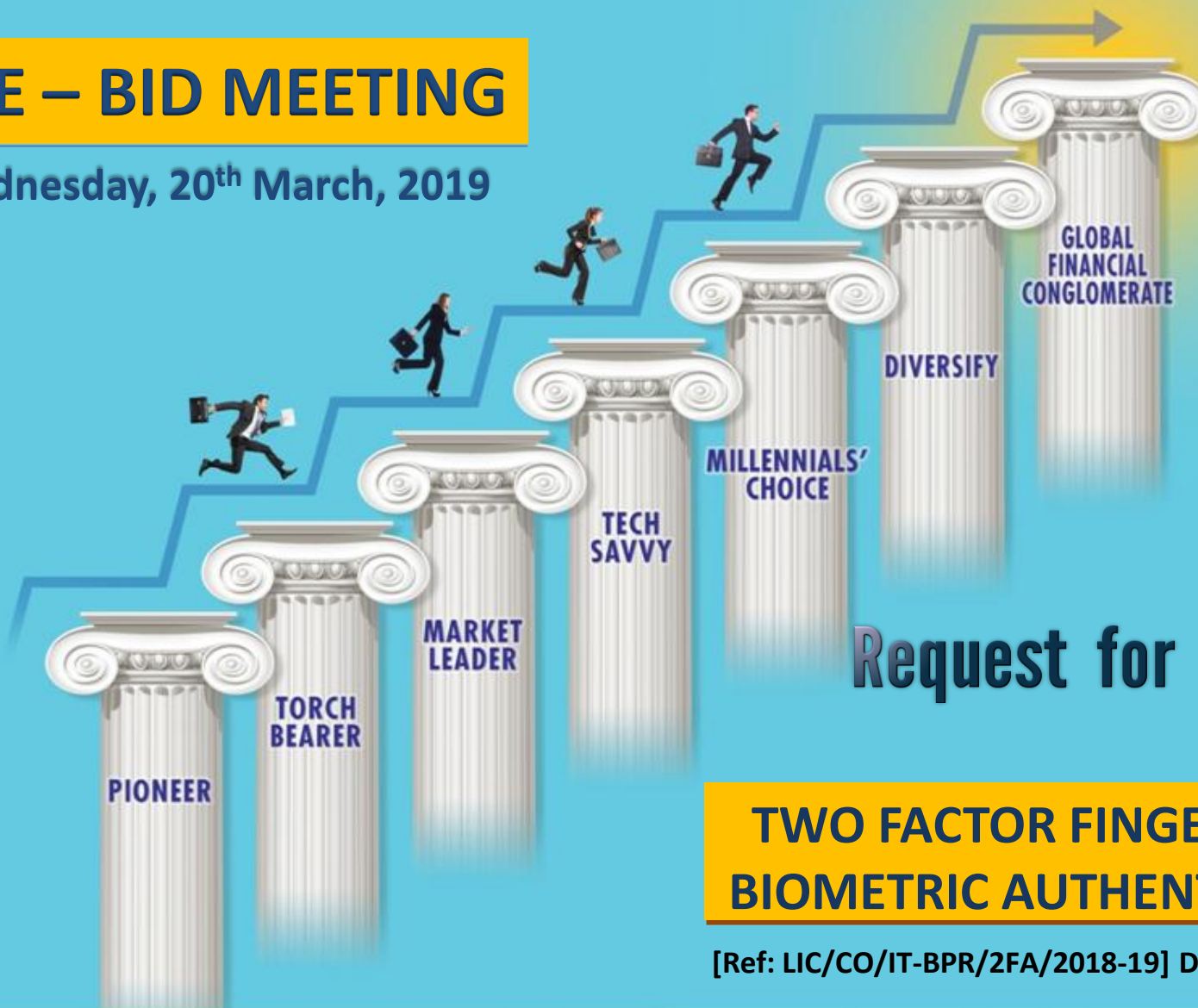


PRE – BID MEETING

Wednesday, 20th March, 2019

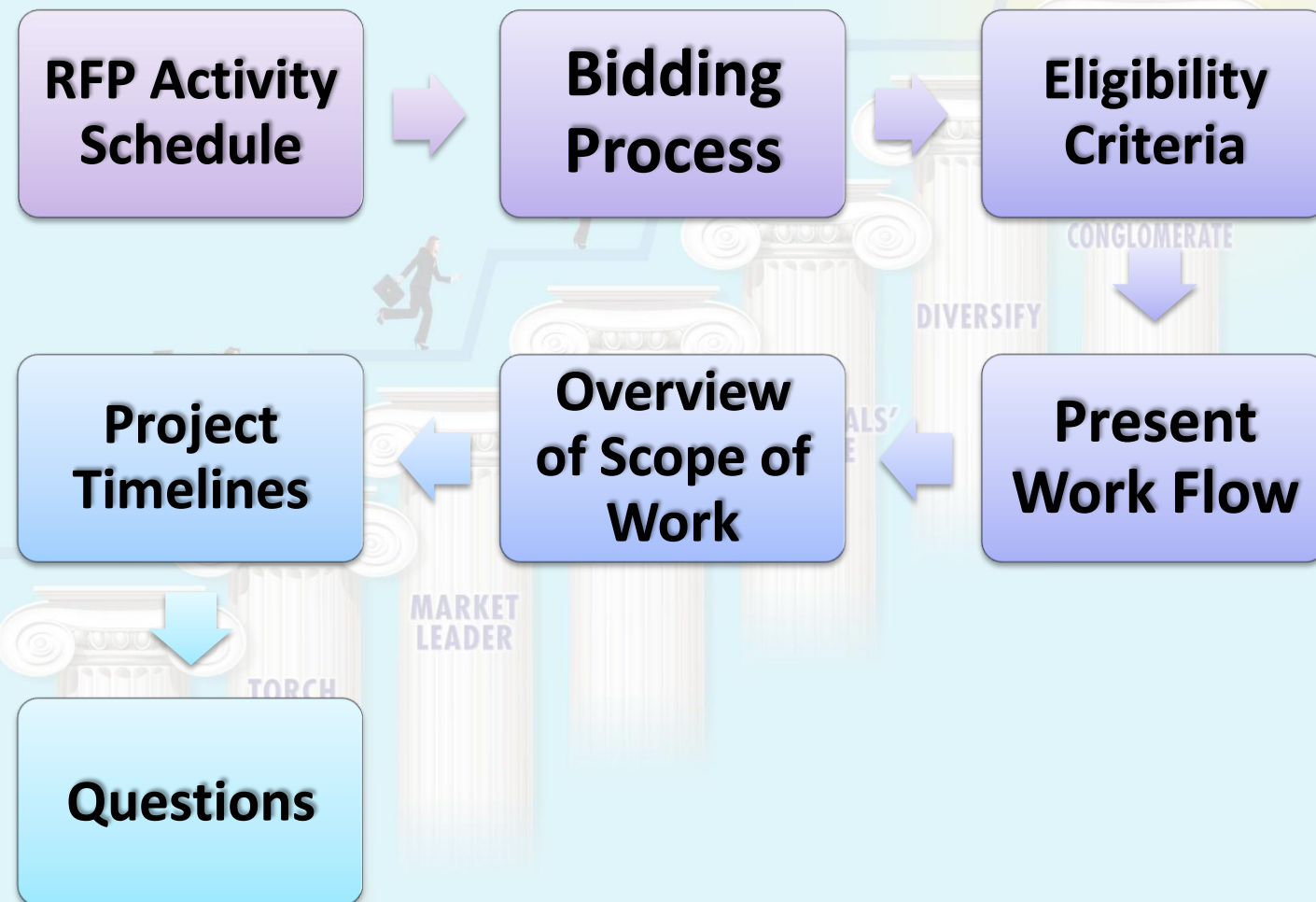


Request for Proposal
for

**TWO FACTOR FINGER PRINT
BIOMETRIC AUTHENTICATION**

[Ref: LIC/CO/IT-BPR/2FA/2018-19] Dated: 11/03/2019

AGENDA



RFP Activity Schedule

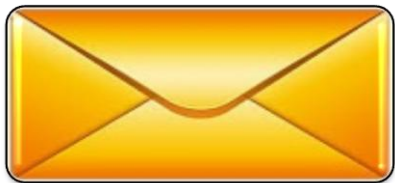
1	RFP & Ref. No.	Two Factor Fingerprint Biometric Authentication LIC/CO/IT-BPR/2FA/2018-19
2	Date of Release of RFP	11 th March, 2019
3	Last date and time for receiving queries on Bid	19 th March, 2019 latest by 4.00 pm
4	Pre-Bid meeting	20 th March, 2019, 11.30 am
5	Last date & time for Bid submission	09th April, 2019 by 3.00 pm
6	Eligibility Bid opening date/ time	09 th April, 2019 at 3.30 pm
7	Website address	http://www.licindia.in/Bottom-Links/Tenders.aspx
8	Contact Email id	co_2factor@licindia.com

Bid Submission – Four Envelopes

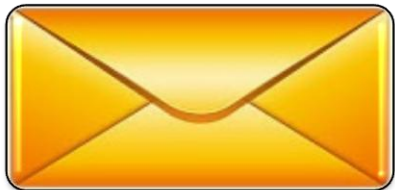


Pre-Contract Integrity Pact

- The Hardcopy of the signed Pre-Contract Integrity Pact on a stamp paper of INR 250.
- Bid Price (Demand draft drawn on any nationalized/scheduled bank of Rs. 5,000/-)
- Earnest Money Deposit (Bank Guarantee drawn on any Nationalised/scheduled bank payable at Mumbai for Rs. 50,00,000/-)



Eligibility Bid - The Hardcopy and Softcopy on CD of the Eligibility Documents should be submitted



Technical Bid - The Hardcopy and Softcopy on CD in response of Technical Bid should be submitted



Indicative Commercial Bid – The Hardcopy and Softcopy on CD in response of Indicative Commercial Bid should be submitted

Bidding Process

Stage 1 – Eligibility Criteria Evaluation

Initially The Pre-contract Integrity Pact, Eligibility Bids and Technical Bids will be opened. Eligibility bids will be evaluated for those bidders who have submitted Pre-contract Integrity Pact and bid price.



DIVERSIFY

Stage 2 – Technical Bid Evaluation

Technical bids of those bidders who have qualified Eligibility criteria will be evaluated.



MARKET
LEADER



Stage 3 – Commercial Evaluation

Indicative commercial bids of Technically qualified bidders will be opened. Selection of L1 bidder will be done through Online Reverse Auction

Eligibility Criteria

Bidder should have the solution for implementation of Fingerprint Biometric Authentication (Recognition of Finger) for Login and / or authentication of transaction.

The bidder should have implemented and go live/completed the proposed 2FA Finger Print Biometric Solution including authentication engine, de-duplication engine, etc. which supports minimum 5,000 biometric (fingerprint) users in any three Indian BFSI or PSU or Government departments/ autonomous bodies in India in last five years prior to the date of this RFP. Deployed solution in any of the projects should have capability to support upto 1.50 lakh biometric fingerprint devices and 1000 concurrent users from central matching or de-dup engine.

Bidder should have experience of minimum two years in providing the service/ solution.

The Bidder should have registered standalone revenue of at least Rs.20 crores each year in the last three accounting years preceding the date of release of this RFP.

Eligibility Criteria

The bidder must provide at least 5 technically qualified personnel in the area of integration or implementation of 2FA Finger Print Biometric Solution (authentication engine, de-duplication engine, etc.) for existing Cogent CSD 200 as well as proposed fingerprint devices.

In case, the Bidder is not the OEM for Fingerprint Scanner Devices, the bidder should have a back-to-back agreement with the respective OEM to provide support / replacements/ maintenance / up-upgrades during the period of contract with LIC.

The bidder/OEM should have supplied at least proposed 1,000 fingerprint scanner/ devices to any three organisations from :

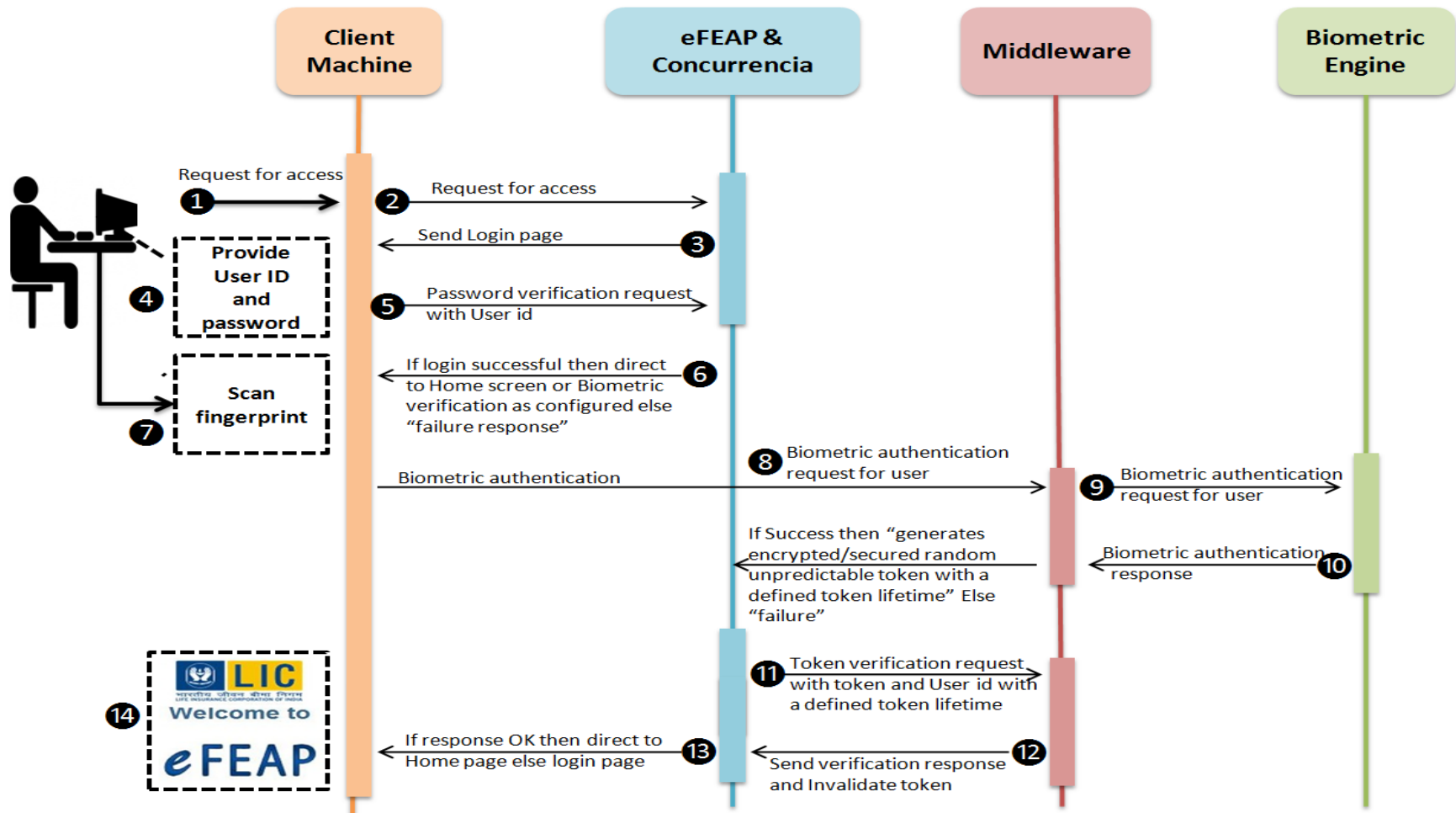
1. Private sector company with a minimum annual turnover of 500 crores per year, or
2. PSU, Govt. Departments / autonomous bodies

in the last five years prior to the date of this RFP.

1. The biometric authentication engine should support minimum 1000 authentications per second.
2. The bidder should have a valid CMMI Level 3 or higher Certification.
3. The fingerprint devices shall have production release of drivers for RHEL 5.4 onwards for both 32 bit and 64 bit machines.

Present Work Flow

PROCESS FLOW FOR BIOMETRIC AUTHENTICATION



Overview of Scope of Work

LIC desires to procure Two Factor Fingerprint Biometric Authentication Solution including required Hardware and Software

In **CAPEX model** with 24x7 availability to be implemented in Centralized Architecture at LIC Data Centres with an on-premises delivery method

The vendor shall be required to choose the above delivery method and shall include facility management and maintenance services for the solution for a period of **five years**.

Overview of Scope of Work

The bidders to bid for:

Supply of Software and its licenses for Two Factor Fingerprint Biometric Authentication Solution and Hardware in Centralized Architecture on-Premises in Capex Model with DC and 100% DR

Supply and maintenance of Approx. 60,000 Fingerprint Biometric Scanner Devices

Facility Management and Maintenance of the Two Factor Fingerprint Biometric Authentication Solution and its Hardware

Comprehensive Onsite Replacement Warranty of existing 39692 Cogent CSD 200 biometric scanner devices

Overview of Scope of Work

Design Fingerprint Biometric Authentication Solution- Compatible with proposed and existing Cogent CSD 200 Biometric FP devices

Supply and Installation of Hardware required as per the proposed solution

Supply and Installation of Software and software licenses for the Fingerprint Biometric Authentication Solution

Installation, customization, and implementation of Fingerprint Biometric Authentication solution

Annual Maintenance Contract for Solution Maintenance and Hardware

Provide requisite software development tools & assistance in code development for integration of existing web-based applications with 2FA solution.

Overview of Scope of Work

The proposed solution should be a Single Interface, Applet less and Browser independent.

The proposed solution should be compatible with the existing Cogent CSD 200 devices.

The Existing database has to be migrated to the proposed solution. The bidder will be required to do ETL from existing database to the new solution as and when required before complete implementation.

The proposed solution should have two instances with high availability, one at DC and another as 100% DR at the site as decided by LIC.

Overview of Scope of Work

Supply, Install, test and commission single fingerprint biometric scanners (about 60,000 biometric scanner devices) along with the appropriate SDK/driver installations, at each endpoints operated by LIC employees or its authorized users.

Provide SLA monitoring tools & necessary MIS reports as mandated by LIC.

Maintaining a web-based user interface for inventory of the fingerprint scanners (including existing inventory data after migration) along with the details of user allotment, endpoints connected, etc. and provide all requisite MIS reports.

Maintenance and onsite support for each software and hardware components procured through this RFP along with the components re-used from the existing 2FA solution.

The vendor should ensure capturing the live template compatible to the enrolled template stored in the centralized server for finding out the matching result.

Knowledge transfer, system documentation and handing over the entire source code of the solution to LIC at the end of Pan India rollout sign off.

Overview of Scope of Work

Uptime

- Uptime requirement is 99.5%

Server

- Servers should be present in the leaders or challengers quadrant of Gartner's Magic quadrant for Modular Servers in the year 2017 and 2018

Storage

- Storage should be present in the leaders or challengers quadrant of Gartner's latest (2018) Magic Quadrant for General Purpose Disk Arrays

Backup Solution

- Backup Solution should be present in the leaders or challengers quadrant of Gartner's latest (2018) Magic Quadrant for Data Center backup and Recovery solutions

Deliverables Documentation

Business Requirements Document	Integration Testing Plan
Detailed functional and technical scope document	Security Testing Plan
System Requirement Specification	System Performance Benchmarks
Solution Architecture	User Acceptance Report
Detailed Logical Design Document and Data Dictionary	Strategy Document for Testing, Acceptance and Training
Existing Data Migration plan	Configuration and User Manuals
Maintenance Document	Training Plan
Source code and customization documentation	User Training Manuals
Unit Testing Plan	Solution Rollout plan
Strategy for user enrollment process.	Strategy for fingerprint de-duplication process
Project plan and phase-wise implementation strategy	Escalation matrix for bug fixing and issue resolution

Project Timelines – Part A

#	Phase	Activities	Broad Task	Indicative Timeline (Weeks)
1	Contract Signing & Project Planning Phase	Contract Finalization, Business Requirements Study, Project Planning & Management	Signing of Contract, Project Plan & Implementation strategy	Two weeks from the Date of Purchase Order
2	Development, Integration & User Acceptance Test	Supply and Installation of hardware and software for 2FA Application	2FA Application commissioned for UAT sign off	12 weeks from Purchase order
3	Pilot Phase	Testing of solution	Testing of proposed solution with 100 existing and 100 proposed biometric scanner devices each with sample migration of existing user data.	4 Weeks from UAT sign off
4	Data migration and Pan-India Roll-out	Migration of existing data and Implementation of the complete solution	Migration of existing data for use in proposed solution	4 Weeks from Pilot phase sign off
5	On-site Support and Training	On-site support and maintenance of the implemented 2FA solution.	Annual Maintenance Support & Training.	Post Implementation – 5 years after implementation

Project Timelines – Part B

#	Phase	Activities	Broad Task	Indicative Timeline (Weeks)
1.	Pan India Roll out	Pan India roll out of 2FA project	Delivery and installation of required number of Fingerprint Scanner Devices with device driver software, User enrolments and Phase sign off.	12 Weeks from the Date of Purchase Order
2.	Support	Support and maintenance of the fingerprint scanner devices	Warranty Support	Post Implementation – 5 years after Pan India Roll out Sign off

Annexure – XI: Indicative Commercial Bid Template for on-premise–CAPEX solution

- The description should also contain software license details for that application. The
- software license includes: Operating Systems, Database, Applications running on the proposed Hardware.
 - Additional Licenses may be procured at the same unit rates as provided below during the tenure of the contract

S.No.	Details	Notation	Price (excluding GST)
1	Solution Cost (Including Hardware, Biometric Authentication, Best Finger Detection, Service Management, Inventory Management & SLA Monitoring Tools etc.) with one year technical support	W	0
2	Biometric Software Application AMC per year for second year onwards for the project period for 5 years.	X	0
3	60,000 (Sixty Thousand) Single Fingerprint Scanners (with Live Finger Detection) alongwith SDK /API and device drivers with 5 years comprehensive onsite replacement warranty	Y	0
4	Comprehensive Onsite Replacement Warranty of existing 39692 Cogent CSD 200 biometric scanner devices	Z	0
	Total Bid Cost	W+ X (4.169865446) +Y+Z	0

Notes:

- All payments on pro-rata basis only.
- All bidders to submit complete bill of materials (BOM) along with their technical bid.
- Net Present Value of Annual Maintenance Charges for 2nd, 3rd, 4th and 5th year, compounding discounted @ 10% of the AMC, shall be added to the TOTAL BID COST to arrive at the TCO for the five years period of the implementation of the solution as per the terms and conditions of the RFP

Annexure – XIV: Details of LIC Offices in India

Summary of LIC Offices

Classification of Office	CO	CZ	ECZ	EZ	NCZ	NZ	SCZ	SZ	WZ	Grand Total
Central Office	1									1
Zonal Office		1	1	1	1	1	1	1	1	8
Divisional Office		8	11	12	12	17	17	13	23	113
P&GS Unit		5	5	6	11	11	10	13	16	77
SSS Unit									4	4
Branch Office		140	157	206	247	320	314	261	403	2048
Satellite Office		121	178	154	160	210	199	261	148	1431
Mini Office		149	82	110	293	137	88	197	170	1226
Grand Total	1	424	434	489	724	696	629	746	765	4908

S.No.	Zones	States & Union Territories under the zone
I	Western Zone	Maharashtra, Gujarat, Goa, Daman & Diu, Dadra & Nagar Haveli
II	Central Zone	Madhya Pradesh, Chhattisgarh
III	Northern central Zones	Uttar Pradesh, Uttrakhand
IV	Eastern Zone	West Bengal, Sikkim, Assam, Mizoram, Nagaland, Arunachal Pradesh, Tripura, Meghalaya, Manipur, Andaman & Nicobar Islands
V	East-Central Zones	Bihar, Jharkhand, Odisha
VI	Northern Zone	National Capital Territory of Delhi, Rajasthan, Jammu & Kashmir, Punjab, Haryana, Himachal Pradesh, Chandigarh
VII	South Central Zone	Andhra Pradesh, Telangana, Karnataka
VIII	Southern Zone	Tamil Nadu, Kerala, Puducherry, Lakshadweep



Questions ..