



Corrigendum to RFP for Procurement of Kubernetes platform and DevSecOps with CI/CD pipelines with Facility Management Services

Last date of Bid Submission is extended upto 10.06.2022

SL. No	Clause No	Page No.	RFP Clause	Query	Bank's Response
1	EMD	5	Rs.20,00,000/- (Rupees Twenty lac Only) in the form of Demand Draft in favor of Union Bank of India, payable at Mumbai. EMD can also be paid in the form of Bank Guarantee (BG) of any scheduled commercial Bank other than Union Bank of India valid from the date of submission of RFP for a period of minimum 45 days beyond the final bid validity period of 180 days.	In this pandemic situation, Request Bank to kindly modify the EMD to Rs.5,00,000/- rest clause remains the same.	EMD is reduced to Rs. 15,00,000/- (Rupees Fifteen Lakh only). Read EMD amount as Rs. 15,00,000/- instead of Rs. 20,00,000/- wherever it is mentioned.
2	4	10	Objectives of the RFP	We help transform the legacy apps running inside a VM / Bare Metal into containerized apps, that are ready to be deployed on Kubernetes. We do retain the application architecture .	Please be guided by RFP
3	6	11	Annexure 6.2 The bidder should be a company registered in India as per Company Act 1956 /2013 or a partnership firm / a Limited Liability Partnership company under the Limited Liability Partnership Act 2008 in India and should be in existence for last 3 years from the date of issuance of RFP. (Certificate of incorporation/certificate for commencement of business/other relevant documentary proof is to be submitted).	As our organization name has changed to Kyndryl Solutions as our division has been hived to separate company from IBM about 3 months back. Thus we should be allowed to submit certificate of Incorporation and years on account of acquisition or otherwise, supporting evidence should be provided to comply with minimum experience requirement	Bidder should provide documentary proof for Hiving off from its parent concern
4	6. Eligibility Criteria	11	6.2. The bidder should be a company registered in India as per Company Act 1956 /2013 or a partnership firm / a Limited Liability Partnership company under the Limited Liability Partnership Act 2008 in India and should be in existence for last 3 years from the date of issuance of RFP. (Certificate of incorporation/certificate for commencement of business/other relevant documentary proof is to be submitted).	During the FY 2020-21 we had an organizational restructuring and the "Digital Services" Business Unit has been transferred to M/s Sify Digital Services Limited which is a wholly owned subsidiary of Sify Technologies Limited. In view of the above we would request UBI to kindly consider the documentary evidence of both the Parent Company and the Subsidiary Company for Eligibility Criteria compliance.	Bidder should provide documentary proof for transferred business unit

5	6.3	11	The bidder should have minimum annual turnover of Rs. 30.00 Crore in each of the last three financial years i.e., 2018-19, 2019-20 and 2020-21 as per the audited balance sheet available at the time of submission of tender.	We request Bank to extend exemptions / considerations for MSME in the Eligibility Criteria on Annual Turnover requirements.	Bank shall follow Govt Guidelines /Notifications for public procurement. Hence as per Policy Circular No. 1(2)(1)/2016-MA dated 10.03.2016 issued by GOI, bank may relax condition of prior turnover and prior experience with respect to Micro and Small Enterprises and Startups subject to meeting of quality and technical specifications
6	6. Eligibility Criteria	11	6.3. The bidder should have minimum annual turnover of Rs. 30.00 Crore in each of the last three financial years i.e., 2018-19, 2019-20 and 2020-21 as per the audited balance sheet available at the time of submission of tender. In case the audited financials for the year 2020-21 is not finalized, Provisional Balance Sheet of 2020-21 should be submitted. This must be the individual company turnover and not that of any group of companies. (Copies of the audited balance sheet and Profit & Loss Statement of the company showing the same is to be submitted.)	During the FY 2020-21 we had an organizational re-structuring and the "Digital Services" Business Unit has been transferred to M/s Sify Digital Services Limited which is a wholly owned subsidiary of Sify Technologies Limited. In view of the above we would request UBI to kindly consider the audited financials of both the Parent Company and the Subsidiary Company for Eligibility Criteria compliance.	Bidder should provide documentary proof for transferred business unit
7	6.3	11	The bidder should have minimum annual turnover of Rs. 30.00 Crore in each of the last three financial years i.e., 2018-19, 2019-20 and 2020-21 as per the audited balance sheet available at the time of submission of tender. In case the audited financials for the year 2020-21 is not finalized, Provisional Balance Sheet of 2020-21 should be submitted. This must be the individual company turnover and not that of any group of companies. (Copies of the audited balance sheet and Profit & Loss Statement of the company showing the same is to be submitted.)	As our organization name has changed to Kyndryl Solutions as our division has been hived to separate company from IBM about 3 months back. Thus we should be allowed to submit with minimum experience requirement and Balance sheet from IBM for last 3 years	Bidder should provide documentary proof for Hiving off from its parent concern

8	6.3	11	The bidder should have minimum annual turnover of Rs. 30.00 Crore in each of the last three financial years i.e., 2018-19, 2019-20 and 2020-21 as per the audited balance sheet available at the time of submission of tender. In case the audited financials for the year 2020-21 is not finalized, Provisional Balance Sheet of 2020-21 should be submitted. This must be the individual company turnover and not that of any group of companies. (Copies of the audited balance sheet and Profit & Loss Statement of the company showing the same is to be submitted.)	Kindly reconfirm: if there is any waiver in eligibility criteria for MSME/Startups in terms of revenue, profit	Bank shall follow Govt Guidelines /Notifications for public procurement. Hence as per Policy Circular No. 1(2)(1)/2016-MA dated 10.03.2016 issued by GOI, bank may relax condition of prior turnover and prior experience with respect to Micro and Small Enterprises and Startups subject to meeting of quality and technical specifications
9	6. Eligibility Criteria	11	6.4. Bidder should have positive operating Profit (as EBITDA i.e., Earnings before Interest, Tax, Depreciation & Amortization) in the last three financial years i.e., 2018-19, 2019-20 and 2020-21. In case the audited financials for the year 2020-21 is not finalized, Provisional Balance Sheet of 2020-21 should be submitted. (Copies of the audited balance sheet and Profit/Loss statement of the company is to be submitted.)	During the FY 2020-21 we had an organizational restructuring and the "Digital Services" Business Unit has been transferred to M/s Sify Digital Services Limited which is a wholly owned subsidiary of Sify Technologies Limited. In view of the above we would request UBI to kindly consider the audited financials of both the Parent Company and the Subsidiary Company for Eligibility Criteria compliance.	Bidder should provide documentary proof for transferred business unit
10	6	11	Annexure 6.4 Eligibility Criteria Bidder should have positive operating Profit (as EBITDA i.e., Earnings before Interest, Tax, Depreciation & Amortization) in the last three financial years i.e., 2018-19, 2019-20 and 2020-21. In case the audited financials for the year 2020-21 is not finalized, Provisional Balance Sheet of 2020-21 should be submitted. (Copies of the audited balance sheet and Profit/Loss statement of the company is to be submitted.)	As our organization name has changed to Kyndryl Solutions as our division has been hived to separate company from IBM about 3 months back. Thus we should be allowed to submit with minimum experience requirement and Balance sheet from IBM for last 3 years	Bidder should provide documentary proof for Hiving off from its parent concern

11	6. Eligibility Criteria	11	6.5. Bidder should have deployed the DevSecOps and Kubernetes based Platform solution in at least 1 BFSI/ Organization registered under Company Act 1956 /2013 in India. The bidder must submit Purchase order along with Invoices and performance certificate/sign off sheet, these proofs must be submitted along with Annexure L.	DevSecOps and Kubernetes based Platform solutions are niche technologies for which industry adoption is not yet widespread. In view of the above and to promote wider participation which would benefit the Bank in terms of receiving competitive and comprehensive solutions we would request the Bank to kindly amend the clause as suggested below: <i>Bidder or its Solution Partner / OEM should have deployed the DevSecOps and Kubernetes based Platform solution in at least 1 BFSI / Organization registered under Company Act 1956 /2013 in India. The Bidder must submit Purchase order along with Invoices and performance certificate/sign off sheet, these proofs must be submitted along with Annexure L.</i>	Please be guided by RFP
12	6.5	11	Bidder should have deployed the DevSecOps and Kubernetes based Platform solution in at least 1 BFSI/ Organization registered under Company Act 1956 /2013 in India. The bidder must submit Purchase order along with Invoices and performance certificate/sign off sheet, these proofs must be submitted along with Annexure L.	Bidder/OEM should have deployed the DevSecOps and Kubernetes based Platform solution in at least 1 BFSI/ Organization registered under Company Act 1956 /2013 in India. The bidder must submit Purchase order along with Invoices and performance certificate/sign off sheet, these proofs must be submitted along with Annexure L	Please be guided by RFP
13	7.1	12	Setup / configure / re-configure End-to-End DevSecOps Platform along with Container Orchestration Layer on Bank's on-premises private cloud, comprised of Licensed or Open Source (only with Commercial Support) tools to ensure continuous everything i.e., Continuous Planning, Continuous Development, Continuous Integration, Continuous Delivery, Continuous Deployment, Continuous Testing, Continuous Monitoring, Continuous Operation, Continuous Feedback and Continuous Security.	For CT, Security etc. is the bidder expected in the current RFP, to do the setup, configuration etc. ? As per few references in the RFP, It is believed that the Bank has / planning to have a dedicated TCOE, the same needs to be leveraged here and Security Tools to be existing used. The bidder in the current RFP is expected to do the integration work. In this regard, we would like to know various tools, so that we can estimate the integration efforts Also our understanding is, the bidder in the current RFP will only setup those tools supplied as part of this RFP. Need Clarity.	Bank already has the licence of Security tools and testing tools. End to End solution has the capability to integrate with tools like Bugzilla, Selenium, Appium, BOTm, Restassured, Jmeter, Nessus Pro

14	7.1.b	13	Continuous Development tool(s) should:	As per the Pre-bid meeting held on 9th May 2022, we understand that the Software coding, Application development related work will be done by the Bank's development teams.	Only coding will be done by Bank's Team. However bidder will be responsible for all other activities related to tools management and modernization of two legacy application.
15	7.1.b.iii	13	Provide provision for Unit Testing, Integrity check, version wise bug error report	Does the bidder expected to work on the testing? As per few references in the RFP, It is believed that the Bank has an existing TCOE, the same needs to be leveraged here. What are the bank's expectation? Need clarity	Bidder is expected to propose only unit testing as far as testing is concern and integrate with Bank testing tools like Bugzilla, Selenium, Appium, BOTm, Restassured, Jmeter, Nessus Pro
16	7.1.d.ii	13	Secure the runtime environment infrastructure by examining environment configuration values such as user access control, network firewall access, and secret data management by means of principle of least privilege (PoLP).	Would Bank be sharing the security policies with the bidder in the current RFP, or the Bank would do it themselves and share the access of it to the bidder in the current RFP?. Need clarity Privileged information to be provided by UBI and any activity (examining or accessing or monitoring) will be a shared responsibility	Bank has its IT/Cyber Security Policy and will be shared with the selected bidder. FMS has to ensure adherence to above mentioned policy on continuous basis
17	7.1 D iii - Broad Scope of Work	13	Facilitate multiple release strategies i.e. (1) Provision to use feature flag, to turn off new features so that they can't be seen by the end users until it is intended. (2) Regular release schedule. (3) Release on milestone is met.	our understanding is - mentioned statement in the context of facilitating multiple release strategies for non prod environment only and not for Prod env..Our solution will support single pipeline for each environment for chosen application	Please be guided by RFP
18	7.1.d.iv	13	Have provision for manual approval process, which will authorize only a certain person to trigger a release.	How does the bidder ensure the suggested manual process has required validation checks and post release logs for tracking & tracing? What are the bank's expectation? Need clarity	Bank expectation is to capture change request id, and upload documentary proof of approval for release.
19	7.1.d.v	13	Facilitate to review the difference in configuration file between different environments (i.e., UAT, Production etc.)	We request Bank to explain the context here, along with the parameters needed to review the difference? What are the bank's expectation?. Need clarity	End-to-end solution should facilitate to review the difference in configuration file between different environments for parameter such as DB, API, Signing Key file.
20	7.1.d.vi	14	Validate and review TLS certificate and other similar constraints which are due for renewal.	What are the bank's expectations here? Please give more clarity and define this requirement. Bank would need to procure the CA certificate from CA authority. Please confirm	Bank will procure CA certificate required System should provide alert in advance on expiration of certificate and any other key parameter (DB pwd, OS Pwd) of proposed solution.
21	7.1.d.vii	14	Provide facility for blue-green deployment strategy to allow switch to new environment and revert to old environment (in case of error) without downtime.	We assume that these applications are elastic & scalable in nature. Please clarify	Please be guided by RFP

22	7.1.d	14	Validate and review TLS certificate and other similar constraints which are due for renewal	Bank would need to procure the CA certificate from CA authority .	Bank will procure CA certificate required System should provide alert in advance on expiration of certificate and any other key parameter (DB pwd, OS Pwd) of proposed solution.
23	7.1 - e	14	Continuous Testing tool(s) are in the process of being procured by Bank, the proposed DevSecOps pipeline should be integrated with Bank's Continuous Testing tool(s).	The solution proposed has the capabilities to integrate with third party tools as long as the bank's respective solution vendors are able to provide RESTful APIs (or Agent) that can be used. Support from DevSecops and Platform will be provided for bank to integrate their any 3rd party application.	Please be guided by RFP.
24	7.1.e.	14	Continuous Testing tool(s) are in the process of being procured by Bank, the proposed DevSecOps pipeline should be integrated with Bank's Continuous Testing tool(s).	We request bank to provide the CT flow details, tools details and access to existing flows for integration. Please share the list of the testing tools to be integrated with the pipeline We assume that the bidder in the current RFP is not expected to create any test cases / flows	Test cases will be created by Bank's Team.
25	7.1. e	14	Continuous Testing tool(s) are in the process of being procured by Bank, the proposed DevSecOps pipeline should be integrated with Bank's Continuous Testing tool(s).	Could you pls share the list of the testing tools to be integrated with the pipeline	List of tools will be provided to the selected bidder
26	7.1.f	14	i Collect data and provide analytics on customer behaviors, performance and errors etc.	What needs to be captured as part of customer behaviour	Customer behaviour includes Mouse click on particular links and time spent on the page
27	7.1.f.i	14	Collect data and provide analytics on customer behaviors, performance and errors etc.	What needs to be captured as part of customer behaviour? Please give more clarity and define what does the Customer Behavior include? We understand that the customer mentioned here is the internal Application / Business Owner. What are the bank's expectations here? Need clarity	Customer can be internal or external both depending on the application. Customer behaviour includes Mouse click on particular links and time spent on the page
28	7.1.g	14	Continuous Operation & Feedback tool(s) should	Does Bank has an existing ITSM Tool that can be leveraged here? Also we need to know the bug tracking tool used by the Bank, we can explore to leverage the same for Continuous Feedback. Please provide the details	Details will be provided to selected bidder
29	7.1.g.i	14	Provide configuration-based feature to scale up / down instances of the application as per the real time load.	We assume that the said applications are capable of scale up & scale down.	Please be guided by RFP

30	7.1.g.ii	14	Capture customer feedback, then analyze the feedback to help shape future development of the product.	We understand that the customer mentioned here is the internal Application / Business Owner. What are the bank's expectations here?. Please clarify	Customer can be internal or external both depending on the application.
31	7.1 h	14	Continuous Security Tool(s) should be omnipresent throughout the SDLC (Software Development Life Cycle), so that security is built into the product rather than applied to the finished product. Bank already owns HP Fortify (SAST i.e. Static application security testing & DAST i.e. Dynamic application security testing). The proposed DevSecOps pipeline must be integrated with Bank's SAST & DAST tools and Qualis Guard(VAPT code review tool)	Kindly reconfirm: API availability of existing bank tools e.g HP fortify	Please be guided by RFP
32	7.1 - h	14	h. Continuous (Software Development Life Cycle), so that security is built into the product rather than applied to the finished product. Bank already owns HP Fortify (SAST i.e. Static application security testing & DAST i.e. Dynamic application security testing). The proposed DevSecOps pipeline must be integrated with Bank's SAST & DAST tools and Qualis Guard(VAPT code review tool)	We request the bank to check and share details on whether the bank's present SAST and DAST tools are able to expose Restful APIs for integration with the proposed platform; Additionally, we request the bank or the 3rd party solution provider to be responsible for the management and updates of the Restful APIs for integration. In case of agent rather than APIs then same has to be provided by the bank	Please be guided by RFP
33	7.1.h	14	Continuous Security Tool(s) should be omnipresent throughout the SDLC (Software Development Life Cycle), so that security is built into the product rather than applied to the finished product. Bank already owns HP Fortify (SAST i.e. Static application security testing & DAST i.e. Dynamic application security testing). The proposed DevSecOps pipeline must be integrated with Bank's SAST & DAST tools and Qualis Guard(VAPT code review tool)	Bank to clarify if it is QUALYS GUARD OR QUALIS GUARD? Need more information on the mentioned tools and the outcomes expected here	Clause to be read as under Continuous Security Tool(s) should be omnipresent throughout the SDLC (Software Development Life Cycle), so that security is built into the product rather than applied to the finished product. Bank has licences for HP Fortify (SAST i.e. Static application security testing & DAST i.e. Dynamic application security testing). The proposed DevSecOps pipeline must be integrated with Bank's SAST & DAST tools and Qualys Guard(VAPT code review tool)
34	7.1. i	14	Be capable to access public image registry to explore images from community and verified publishers, and Bidder should setup a private image registry to allow secure access to Bank.	In order to access the public image repository, required internet access to be provided by bank	Internet access will not be provided directly on the server. Internet access will be provided through intermediate server.

35	7.1.i.i	14	Be capable to access public image registry to explore images from community and verified publishers, and Bidder should setup a private image registry to allow secure access to Bank.	To achieve this functionality, need an internet access / connection along with a system provisioned locally for private image registry. This also requires storage capabilities to download & store the required images locally on the VM/Server/system. We consider that Bank shall provide these pre-requisites to achieve the outcomes.	Please be guided by RFP
36	7.1.i.ii	14	Ensure redundancy and availability of containers.	We assume that these applications are elastic & scalable in nature to achieve these requirements	Please be guided by RFP
37	7.1.i.iv	15	move containers from one host to another if there is a shortage of resources in a host, or if a host is not alive	This is to clarify to the Bank that, in case of K8S environments, containers are not moved, instead the new ones are spawned on the available hosts as required. This also takes care of the Availability & resiliency	Please be guided by RFP
38	7.1.i.vi	15	Load balancing of service discovery between containers, and capability to integrate with external load balancer.	integration of K8s platform with banks existing load balancer would require LB OEM to implement the required integrations , check compatibility of LB support for K8s platform. Also if bank can share the details of the existing LB.	Existing LB details will be shared with selected bidder
39	7.1.i.vi	15	Load balancing of service discovery between containers, and capability to integrate with external load balancer.	We request Bank to confirm, if they need an GSLB Functionality? Also if Bank can share the details of the existing LB.	Existing LB details will be shared with selected bidder
40	Broad Scope of Work	15	Containerization should be platform agnostic i.e. Public Cloud Ready Container, in case in future if Bank want to deploy its applications in Public Cloud it should be supported.	Bank to consider also adding apart from Cloud, it should also be platform agnostic with respect to several different architectures and platforms like Power Systems, Nutanix, Hyper-V, etc.,	Please be guided by RFP
41	7.2	15	Following is the indicative list of tools envisaged by Bank, which needs to be stitched together to implement End-to-End DevSecOps pipeline. However, the bidder needs to provide standard set of tools which can support and provide all the functionalities of Bank's proposed tool and add additional values to the End-to-End solution	Dependency on the Bank: The scope includes DevSecOps platform build + ATS , Container Platform Build Orchestration +ATS , FMS. For the license that are proposed to be procured by the Bank, procurement delays should not be linked to project milestones	Please be guided by RFP
42	7.2	15	Following is the indicative list of tools envisaged by Bank, which needs to be stitched together to implement End-to-End DevSecOps pipeline. However, the bidder needs to provide standard set of tools which can support and provide all the functionalities of Bank's proposed tool and add additional values to the End-to-End solution.	Kindly reconfirm: The log retention policy	Bank's Log retention policy will be shared with the selected bidder

43	7.2	15	Continuous Development : Unit Test - Junit, NUnit and unit testing tool for other coding language	Does the bidder expected to work on the testing? As per few references in the RFP, it is believed that the Bank has an existing TCOE, the same needs to be leveraged here. What are the bank's expectation?. Need clarity	Please be guided by RFP
44	7.2.iv	16	Development using multiple technologies, but not limited to Spring Boot, .NET Framework, .NET Core, NodeJs etc.	We request Bank to provide clarity on all such technologies, that bank expect to work on.	Clause should be read as Development using multiple technologies i.e. Java, Spring Boot, .NET Framework, .NET Core, NodeJs, Python etc.
45	7.3	16	Bidder should provide Application discovery mechanism / tool, to scan Bank network and provide in-depth analysis and recommendation for application modernization of Bank's existing legacy applications hosted in Windows / AIX / Linux OS.	We request Bank to provide the list of applications and its technology stack for AIX based applications for Discovery	List will be shared with the selected bidder
46	7.3	16	Bidder should provide Application discovery mechanism / tool, to scan Bank network and provide in-depth analysis and recommendation for application modernization of Bank's existing legacy applications hosted in Windows / AIX / Linux OS.	RH OCP supports windows / Linux containers . Banks needs to migrate application running on AIX to Linux (Preferably) to e portable on OCP platform. We can provide this services as one time services . Also request bank to share appx. Number of applications	Please be guided by RFP
47	7.4	16	Provide on-site hands-on support to Bank team for a period of 4 weeks after platform implementation for application modernization (i.e. rewriting) of two legacy applications, by retooling / rewriting significant chunks of its underlying code to better run in the new environment.	As per the Pre-bid Meeting held on 9th May, 2022, we consider this requirement as, Legacy application to be Containerized and deployed on Kubernetes Platform. Application re-writing is an separate activity and requires application development, Software coding etc. and the same will be done by the Bank's Software development team.	Coding will be done by Bank's in house development team.
48	7.4	16	Provide on-site hands-on support to Bank team for a period of 4 weeks after platform implementation for application modernization (i.e. rewriting) of two legacy applications, by retooling / rewriting significant chunks of its underlying code to better run in the new environment.	Request UBI to share if the existing application is based on dot net or JAVA . If it is dot net , we need to migrate to dotnet core .Does bank expect SI to perform re - writin of the code to .netcore	Coding will be done by Bank's in house development team.

49	7.4	16	Provide on-site hands-on support to Bank team for a period of 4 weeks after platform implementation for application modernization (i.e. rewriting) of two legacy applications, by retooling / rewriting significant chunks of its underlying code to better run in the new environment.	Kindly reconfirm: Support on platform capability only and not on "rewriting significant chunks of its underlying code"	Coding will be done by Bank's in house development team.
50	7. Broad Scope of Work	16	7.4 Provide on-site hands-on support to Bank team for a period of 4 weeks after platform implementation for application modernization (i.e. rewriting) of two legacy applications, by retooling / rewriting significant chunks of its underlying code to better run in the new environment.	<p>(1) Please provide some more relevant details such as count of function points along with complexity scale, count of integration points, count of database tables, count of input / output interfaces etc. of the two legacy applications for which the successful Bidder has to provide on-site support for application modernization so that the effort / team size required for the task can be estimated.</p> <p>(2) Please confirm that the entire assignment of supporting the app modernization of the two legacy application would be carried out at a single location in Mumbai / Navi Mumbai.</p> <p>(3) We understand that the office space along with desktops / laptops, internet connectivity and other regular facilities required by the on-site team would be provided by the Bank. Please confirm our understanding.</p> <p>(4) The onsite team would be expected to be deployed only during the regular office hours of the Bank. Please confirm.</p>	<p>1. List will be shared with the selected bidder</p> <p>2. All assignment will carried out in Mumbai office for two application.</p> <p>3. Yes all hardware and office space will be provided</p> <p>4. Yes, only during working hours. However, in case of emergency support should be provided beyond working hours.</p>
51	7.5	16	Training on Bootstrap , Node JS , Angular JS , spring boot , .NET core	please share more details	Bidder has to arrange for training on the listed items by their own or through their partner. The mode of the training will be physical, and venue will at Bidder's / training partner's location.
52	7.5.a	16	Provide training to Bank team for application modernization, new development, DevSecOps & Container Management Administration.	Application Development may not be the part of DevSecOps Toolchain & Application Containerization. We can provide the third party trainings as part of this engagement.	Bidder can arrange training through their training partner but responsibility of conducting training will be on bidder only.

53	7.6	17	Integrate the tools and platform discussed in the above sections with Bank's AD based SSO as per bank's requirement. Also integrate with Bank's email system / SMS system for sending relevant notifications	We will provide requisite connectors from OCP . Need bank / bank vendor support team of AD / Mail system SME .	Bank will provide the details with the selected bidder and it is the responsibility of the bidder to integrate with AD / Mail System
54	7.6	17	Integrate the tools and platform discussed in the above sections with Bank's AD based SSO as per bank's requirement. Also integrate with Bank's email system / SMS system for sending relevant notifications	We request Bank to please share the details of their AD, E-Mail, SMS systems	Will be shared with the selected bidder
55	7.6	17	Integrate the tools and platform discussed in the above sections with Bank's AD based SSO as per bank's requirement. Also integrate with Bank's email system / SMS system for sending relevant notifications	Could you please share the details of the AD , E-Mail ,SMS system	Will be shared with the selected bidder
56	7.7	17	The platform should integrate with Bank's cyber security platforms as given below:	We request Bank to provide the list of existing tools.	Will be shared with the selected bidder
57	7.7	17	The platform should integrate with Bank's cyber security platforms as given below:	Could you please share the details of the Cyber Security tools mentioned.	Will be shared with the selected bidder
58	7.7	17	The platform should integrate with Bank's cyber security platforms as given below: a. Security Operation Centre (SOC), b. Preventive Identity Management (PIM), c. Security Incident Event Management (SIEM), d. Digital Center Security (DCS), e. Antivirus, Antimalware, Data Loss Prevention (DLP), f. Anti-Advanced Persistent Threat (Anti-APT), g. Endpoint Detection and Response (EDR) etc. to meet security and compliance requirements as and when required	The solution proposed has the capabilities to integrate with third party tools as long as the bank's respective solution vendors are able to provide RESTful APIs (or Agent) that can be used. Support from DevSecops and Platform will be provided for bank to integrate their any 3rd party applicaiton.	Please be guided by RFP
59	7.8	17	Bidder may propose additional Security tools for securing End-to-End DevSecOps pipeline itself, if required.	Kindly reconfirm:Who will be responsible to procure such tool if proposed	Clause to be read as under: Bidder should provide additional Security tools for securing End-to-End DevSecOps pipeline itself, if required.

60	7.9	17	Bidder should close or provide acceptable workaround to mitigate any known vulnerability in the software / tools used in the End-to-End solution.	The tools procured for bank will be licensed ones and if there is any vulnerability in the the software/tools, as and when the required patches/fixes/workarounds are released by OEM's will be applied	Please be guided by RFP
61	7.9	17	Bidder should close or provide acceptable workaround to mitigate any known vulnerability in the software / tools used in the End-to-End solution.	The tools procured for Bank will be licensed ones and if there is any vulnerability in the software/tools, as and when the required patches/fixes/workarounds are released by OEM's will be applied. All such engineering level updates are done by the OEM.	Please be guided by RFP
62	7.11	17	The platform should be able to provide a common comprehensive reporting dashboard as part of "continuous measurement" to enable the Bank to monitor the adoption and implementation.	Kindly reconfirm:When you say platform should provide , you do not mean the container platform per se or the DevSecOps pipeline per se, but an independent dashboarding component integrated with the two major components of the solution	Clause to be read as under : End to end solution should be able to provide a common comprehensive reporting dashboard as part of "continuous measurement" to enable the Bank to monitor the adoption and implementation.
63	7.11	17	The platform should be able to provide a common comprehensive reporting dashboard as part of "continuous measurement" to enable the Bank to monitor the adoption and implementation.	It will banks responsibility to bring in applicaiton under this platform .	Clause to be read as under : End to end solution should be able to provide a common comprehensive reporting dashboard as part of "continuous measurement" to enable the Bank to monitor the adoption and implementation.

64	7.12	17	Existing enterprise application (Finacle, Internet Banking, Mobile Banking, API Gateway, FI Gateway, CKYC, eKYC, DMS etc.) should be integrated with DevSecOps pipeline for various activities under pipeline viz. version control, security practices, build, etc. POC also shall be conducted during Technical Evaluation and the bidder should specify pre-requisites to conduct POC	<p>The solution proposed has the capabilities to integrate with third party tools as long as the bank's respective solution vendors are able to provide RESTful APIs (or Agent) that can be used. Support from DevSecops and Platform will be provided for bank to integrate their any 3rd party applicaiton.</p> <p>Additionally, conducting POC for integrations with each of bank's enterprise applications will require huge efforts both from the application ISV side and us, we would request the bank to keep this activity outside the scope of the current project.</p> <p>Integration of the proposed platform toolchains with bank's enterprise applications can be taken up as a separate project or can be included as part of implementation scope.</p>	<p>Clause to be read as under :</p> <p>Existing enterprise application (Finacle, Internet Banking, Mobile Banking, API Gateway, FI Gateway, CKYC, eKYC, DMS etc.) should be integrated with DevSecOps pipeline for various activities under pipeline viz. version control, security practices, build,testing.</p>
65	7.12	17	Existing enterprise application (Finacle, Internet Banking, Mobile Banking, API Gateway, FI Gateway, CKYC, eKYC, DMS etc.) should be integrated with DevSecOps pipeline for various activities under pipeline viz. version control, security practices, build, etc. POC also shall be conducted during Technical Evaluation and the bidder should specify pre-requisites to conduct POC.	Kindly reconfirm: What is the current version control solution and is it already integrated with the curret enterprise solutions	As per RFP, Bidder has to provide version control tool
66	7.12	17	Existing enterprise application (Finacle, Internet Banking, Mobile Banking, API Gateway, FI Gateway, CKYC, eKYC, DMS etc.) should be integrated with DevSecOps pipeline for various activities under pipeline viz. version control, security practices, build, etc. POC also shall be conducted during Technical Evaluation and the bidder should specify pre-requisites to conduct POC.	<p>There is dependency on the respective application ISV, supporting the various indicative tools proposed mentioned in RFP. The application ISV should have the required adapters/APIs exposed/available for integration</p> <p>We request Bank to provide clarity</p>	Bidder has to integrate with the other applications through API/SSH/SFTP

67	7.12	17	Existing enterprise application (Finacle, Internet Banking, Mobile Banking, API Gateway, FI Gateway, CKYC, eKYC, DMS etc.) should be integrated with DevSecOps pipeline for various activities under pipeline viz. version control, security practices, build, etc. POC also shall be conducted during Technical Evaluation and the bidder should specify pre-requisites to conduct POC.	There is dependency on the respective application ISV supporting the various indicative tools proposed mentioned on RFP. the Application ISV Should have the required adapters/APIs exposed/available for integration	Details of tools will be shared with selected bidder
68	8	17	Facility Management services	Request bank to share the number of years required forFMS	Please be guided by RFP
69	8. Facility Management Service	18	i The team is required onsite at DIT Mumbai in general working hours on all Bank's working days. However, some of the team members may require working in shifts also as per Bank's need. ii The team may be required to attend certain shifts on holidays/ off days / late evening hours, as and when required.	We understand that irrespective of the requirement of the Bank the total team size to be deployed at the Bank would be 2 resources and the Bank would plan the resource deployment strategy of the 2 member team according to the Bank's necessity. Please confirm our understanding.	Please be guided by RFP
70	8	19	Facility Management Service: Key Responsibilities: · Provide support to older versions of the OSS in case the Bank chooses not to upgrade to latest version.	OSS is completely community support driven , In case there are no releases / patches released or for that matter any issues, the support would be best effort basis.	Please be guided by RFP
71	8	19	Facility Management Service - Key Responsibilities: Provide support to older versions of the OSS in case the Bank chooses not to upgrade to latest version.	OSS is completely community support driven. In case there are no releases / patches released or for that matter any issues, the support would be best effort basis. Bank to clarify and confirm	Please be guided by RFP
72	8.v	19	Facility Management Service - Resource Profile - Bank's ticketing tool.	Bank to provide details on their ticketing tools and handholding to onsite RE	Details will be provided to selected bidder
73	9	19	Training Requirement	Addition of scope	Bidder has to arrange for training by their own or through their partner. The mode of the training will be physical, and venue will at Bidder's / training partner's location.
74	9.i	19	Training Requirement: Programming languages / frameworks in integrated development environment to developers.	We would like to share that these trainings are related to programming languages, software and application development etc. which do not fall under the DevSecOps / Containerization Project Scope. We can provide third party trainings here.	Bidder can arrange training through their training partner but responsibility of conducting training will be on bidder only.

75	10	20	<p>Project Plan for Implementation:</p> <p>Bidder should adhere to the following timelines for completion of the scope of work. The new environment should be setup as per project scope within a period of 12 weeks in totality from the date of Purchase Order/acceptance of Purchase order.</p>	<p>We respectfully submit that the project timelines mentioned are very aggressive timelines, and also have many variables / dependencies attached.</p> <p>We kindly request the bank to re-look at these timelines and revise it to higher limits</p>	<p>Clause can be read as :</p> <ol style="list-style-type: none"> 1. Requirement Study for installation and configuration of DevSecOps and Container platform. - 2 Weeks 2. Installation, integration and Customization of DevSecOps and Container platform. - 8 Weeks 3. Go Live of 2 legacy application modernized and deployed into new platform. - 6 Weeks
76	10	20	<p>Bidder should adhere to the following timelines for completion of the scope of work. The new environment should be setup as per project scope within a period of 12 weeks in totality from the date of Purchase Order/acceptance of Purchase order.</p>	<p>Kindly reconfirm: Is this time line is for one environment or all environments</p>	<p>Timeline is for all Environment i.e. Development, UAT, Production & DR</p>
77	10. Project Plan for Implementation	20	<ol style="list-style-type: none"> 1. Requirement Study for installation and configuration of DevSecOps and Container platform. - 2 Weeks 2. Installation, integration and Customization of DevSecOps and Container platform. - 6 Weeks 3. Go Live of 2 legacy application modernized and deployed into new platform. - 4 Weeks 	<p>In view of the spectrum of tools & technologies that needs to be deployed and the count & size of the applications that would be impacted we would request the Bank to amend the implementation plan as suggested below:</p> <ol style="list-style-type: none"> 1. Requirement Study for installation and configuration of DevSecOps and Container platform. - 4 Weeks 2. Installation, integration and Customization of DevSecOps and Container platform. - 10 Weeks 3. Go Live of 2 legacy application modernized and deployed into new platform. - 8 Weeks 	<p>Clause can be read as :</p> <ol style="list-style-type: none"> 1. Requirement Study for installation and configuration of DevSecOps and Container platform. - 2 Weeks 2. Installation, integration and Customization of DevSecOps and Container platform. - 8 Weeks 3. Go Live of 2 legacy application modernized and deployed into new platform. - 6 Weeks
78	10.3	20	<p>Go Live of 2 legacy application modernized and deployed into new platform. - 4 Weeks</p>	<p>We request the bank to provide the details of the said two applications, that are to be modernized. Details required are Application flow, process, services, dependencies, technology stack used, operating environments, infrastructure required for the same, etc. and many more.</p>	<p>Will be shared with the selected bidder</p>

79		20	11. Infrastructure: The proposed solution should be cloud ready application and it shall be hosted on Bank's on-premises cloud. However, solution should have capability to migrate to any other platform including public cloud as per the Bank's requirement.	Can the Bank kindly specify the different types of platforms that the solution should work on like IBM Power Systems, Nutanix, VMWare, Hyper-V, etc.,?	Please be guided by RFP
80	Broad Scope of Work Clause :11	20	11. Infrastructure: The proposed solution should be cloud ready application and it shall be hosted on Bank's on-premises cloud. However, solution should have capability to migrate to any other platform including public cloud as per the Bank's requirement.	The proposed platform provides an infrastructure agnostic or cloud agnostic solution should the bank decide to adopt and deploy applications on public cloud; The proposed platform is a cloud-based enterprise kubernetes platform that supports wide variety of architecture We request the bank to provide details on bank's current on-premises cloud.	Will be shared with the selected bidder
81	11. Infrastructure	20	The proposed solution should be cloud ready application and it shall be hosted on Bank's on-premises cloud. However, solution should have capability to migrate to any other platform including public cloud as per the Bank's requirement. Bank shall provide necessary Hardware. However, the bidder must provide hardware sizing as per Annexure X so that CPU utilization of any server/ appliance should not go beyond 70%.	Please provide the details of the Bank's on-premises cloud setup.	Will be shared with the selected bidder
82	Broad Scope of Work Clause :22.4	41	22.4 This solution must be available 24x7 and hence any technical problem should be resolved in 4 hours from the time of lodge of complaint. The bidder needs to strictly adhere to Service Level Agreements (SLA). Response Time: 30 minutes from the time of complaint. Resolution Time: 4 hours from the time of complaint.	Resolution time for any software cannot be provided as there are multiple factors/stake holders owning the project. Hence request the Bank to remove this point. The response time as per the can be maintained by Bidders/OEMs	Please be guided by RFP

83	22.4	41	Resolution Time: 4 hours from the time of complaint	<p>We respectfully submit that the resolution time is generally difficult to commit as there are many variable parameters and dependencies, both within the Bank and with the vendor, as there are multiple products / tools / solutions integrated.</p> <p>Also there are many other dependencies such as Hardware, Power Supply etc, etc.</p> <p>Also it is not just the technology but also about process and people/culture.</p> <p>The Solution becomes mature over the period along with people & process.</p> <p>We kindly request the bank to consider excluding this term from the RFP.</p>	Please be guided by RFP
84	22. Service Level Agreement	41	22.5 If Bidder fails to provide Facility Management Engineer (Resource) for minimum mandated man days, a penalty of Rs.2,000/- per day per engineer will be levied by Bank in addition to deducting the charges for that number of days on pro-rata basis. Billing loss should be absorbed by the bidder and bidder should provide suitable replacement for the period.	<p>We understand that the penal charges would be deducted in case the resource is available during the regular office hours of the Bank and not during the shifts on holidays/ off days / late evening hours.</p>	Please be guided by RFP
85	22.10	41	Level of Uptime Per Month - Penalty Charges table	<p>We respectfully submit that the DevSecOps is largely a integrated tool chain with many dependencies on external parameters etc. also it is not just the technology but also about process and people/culture.</p> <p>The Solution becomes mature over the period along with people & process.</p> <p>We request the bank to kindly consider relaxing the SLA Period and Penalty amount, for this RFP.</p>	Please be guided by RFP
86	22.12	42	22.12 Bidder are expected to attend the calls and provide the man-day support at on site location for critical applications. Further, Bidder is expected to respond and resolve issue in case of any malfunctioning of any software etc. the relevant defect should be resolved as per detail given below:	<p>Kindly reconfirm: The SLA table mentions Database Crash, how are you linking database to the platform, is the database on the platform ? Availability only to the extent of the platform and pipeline should be in scope , components not on platform should not be part of the availability.</p>	This clause is applicable for end to end solution provided by the bidder
87	23	44	Clause 23 Payment terms	<p>We will request for 60% of license fee at the time of Delivery and Installation . For Implementation request for 60% of the payment on completion of successful installation and balance on Go live</p>	Refer revised Payment Terms attached with corrigendum

88		44	Payment Terms	70% against Delivery of Licenses, 20% against Installation of Licenses & 10% balance against submission of 3% PBG.	Refer revised Payment Terms attached with corrigendum
89	23. Payment Terms	44, 45	<p>1. Detailed requirement study and submission of supportive document (i.e., SRS, Architecture Design deployment plan, Document etc.) -10%</p> <p>2. Delivery, installation and configuration of Software and Enterprise Licenses of DevSecOps and Container Platform along with all necessary tools in DC. - 30%</p> <p>3. Delivery, installation and configuration of Software and Enterprise Licenses of DevSecOps and Container Platform along with all necessary tools in DR. - 20%</p> <p>4. Setup of Software Governance Framework and Base line for Software CMM level or DevSecOps Maturity Model. - 10%</p> <p>5. Go Live of 2 legacy application deployed in the new environment by means of application modernization. - 10% , 50%</p> <p>6. One successful DR drill after Go Live - 0%, 50%</p> <p>7. Submission of Performance Bank Guarantee after 4 weeks of Go Live of 2 legacy application deployed in the new environment. - 20%</p>	<p>We would request the Bank to amend the Payment Terms as suggested below to align with the industry standard:</p> <p><u>% of licenses cost</u></p> <p>1. Detailed requirement study and submission of supportive document (i.e., SRS, Architecture Design deployment plan, Document etc.) -20%</p> <p>2. Delivery, installation and configuration of Software and Enterprise Licenses of DevSecOps and Container Platform along with all necessary tools in DC. - 40%</p> <p>3. Delivery, installation and configuration of Software and Enterprise Licenses of DevSecOps and Container Platform along with all necessary tools in DR. - 40%</p> <p><u>% of implementation cost</u></p> <p>1. Go Live of 2 legacy application deployed in the new environment by means of application modernization. - 50%</p> <p>2. One successful DR drill after Go Live - 50%</p>	Refer revised Payment Terms attached with corrigendum
90	24.3	45	Bidder is expected to provide warranty for a period of 1 year and comprehensive on site 24x7 maintenance support for End-to-End solution with 4 hours problem resolution commitment for next 2 years beyond warranty period.	Kindly reconfirm: 24x7 maintenance support - comprehensive onsite support does it imply tech support shall be available onsite . If yes is it only in Primary site, if no how this is supported 24x7 onsite	Please be guided by RFP
91	24.3	45	Bidder is expected to provide warranty for a period of 1 year and comprehensive on site 24x7 maintenance support for End-to-End solution with 4 hours problem resolution commitment for next 2 years beyond warranty period.	Kindly reconfirm: How is it possible to provide 24x7 onsite support with a 2 member FMS team.	2 FMS resources are to give support for day to day activity. If FMS resources are not able to provide support to resolve any issue, bidder should provide additional support.
92	24.4	45	The ATS charges per annum should be minimum 18% of the cost of software/tool components.	Kindly reconfirm: If a component comes with an enterprise support and the support is less than 18% from the Vendor or OEM what should we do.	Please be guided by RFP and Revised Annexure E attached with this corrigendum
93	24.4	45	The ATS charges per annum should be minimum 18% of the cost of software/tool components.	Kindly reconfirm: If a component comes with an enterprise support and the ATS is inbuilt into the license cost then ?	Please be guided by RFP and Revised Annexure E attached with this corrigendum

94	24. Annual Technical Support	45	24.5 The ATS charges shall be released to the bidder quarterly in advance subject to timely submission of applicable documents like invoice, performance availability reports etc.	We would request the Bank to release the ATS charges annually in advance. Penalty, in any, can be deducted from the subsequent payment or PBG as applicable.	Please be guided by RFP
95	24.6	46	The Bank reserves the right to terminate the ATS (if contracted) by giving Successful Bidder, a prior and written notice of one month indicating its intention to terminate the Contract, if the services rendered by the bidder(s) are not satisfactory. In that case, the bidder(s) will refund the proportionate amount of ATS for the rest of the period of the ATS, if any.	Kindly reconfirm: If there will be separate ATS contracts for each component and if so what will be the term for each component.	Please be guided by RFP
96	26.2	46	The warranty for the tools and software would be on-site and comprehensive in nature. Warranty will start from the date of go-live and will be valid for a period of one year. The successful bidder shall provide maintenance and support under warranty, without any extra cost, for a minimum period of one year. Warranty for software will start from the date of final signoff (go-live) by the Bank. Bank will not pay any charges during warranty period.	Kindly reconfirm: What is meant by Warranty here, is it as mentioned by 26.1 "All support & services required for implementation, customization, smooth operation and maintenance of Kubernetes platform and DevSecOps". If we have opensource tools for a specific component and assuming the current tool is not upgraded, we should have the option to upgrade such tool at the Bank's cost	Bidder can upgrade any tool if it is necessary without any extra cost to the bank.
97	26.3	46	Any corruption in the software/tools or any services shall be rectified during the full period of the contract including warranty, if contracted, at no extra cost to the Bank.	Kindly reconfirm: If this is applicable for opensource tools without enterprise support too , e,g istio/servicemesh	It is responsibility of the bidder to provide support to the bank on such tools. It should not be a community version.

98	54.6	63	Annexure C - Eligibility Criteria - Manufacturer Authorization Form (MAF)	<p>Varied tools will be proposed in this RFP. Some of these tools are opensource - community supported, or their OEM and their representation is not available in India and hence its difficult to get an MAF for all the tools / products proposed.</p> <p>In such case, request Bank to clarify if bidder can exclude such MAF submission.</p>	<p>Clause to be read as under :</p> <p>Bidder should be either an Original Equipment Manufacturer (OEM) or authorized partner of OEM. In case the bidder is an Authorized partner of the Kubernetes OEM, Bidder needs to provide Manufacturer Authorization Form (MAF) from OEM stating that bidder is authorized partner of OEM and authorized to participate in this tender and in case the bidder is not able to perform obligations as per contract during the contract period, contracted services will be provided by OEM. In case the bidder is an Authorized partner of the Licensed Solution OEM, Bidder needs to provide Manufacturer Authorization Form (MAF) from OEM stating that bidder is authorized partner of OEM and authorized to participate in this tender. In case of Open Source, Bidder must submit self declaration on letter head with authorized signatory that the porposed solution is not community version and support will be provided by bidder during the contract period.</p> <p>.However, both i.e. OEM & their authorized partner cannot participate in the RFP. In case, both (OEM & his authorized partner) participate, only bid of the OEM will be considered.</p>
99	Annexure E - Indicative Commercial Bid	68	NOTE: Comprehensive onsite 2nd and 3rd year charges for Annual Technical Support (ATS) should be quoted with minimum of 18% of Solution/Tools cost.	Request you to kindly remove this barrier cost	Refer revised Annexure E attached with this corrigendum

100	Annexure J - Confidentiality / Non-Disclosure Agreement	83	<p>This Agreement shall commence from the Effective Date of this Agreement and shall be valid for 2 years beyond contract period of 3 years there from. Confidentiality obligations under this Agreement shall continue to be binding and applicable without limit in point in time except and until such information enters the public domain, without breach of the agreement. Either Party may terminate this Agreement for breach, if the defaulting Party fails to rectify the breach within the one month notice period issued by the non defaulting Party. Upon expiration or termination as contemplated herein the Receiving Party shall immediately cease any and all disclosures or uses of Confidential Information; and at the request of Disclosing Party, the Receiving Party shall promptly return or destroy all written, graphic or other tangible forms of the Confidential Information and all copies, abstracts, extracts, samples, notes or modules thereof.</p>	<p>this clause should be limited from the confidential prospective to period of contract</p>	<p>Refer revised Annexure X attached with this corrigendum</p>
101	Annexure X - Hardware Sizing and Software/Tool Deliverable	118	<p>The Bidder must specify complete details of Hardware and other systems required for successful implementation of the offered Solution, in the following format for (1) Present requirement of deploying DevSecOps and Container Platform with minimum number of hosted applications (2) tentative requirement for next 3 years after 50 mid size application hosted on the platform presently hosted on 32 cores.</p>	<p>We request the bank to provide details on the current application landscape that are planned to be hosted on the DevSecOps and Container Platform; We also request the bank to share the Y-O-Y growth expected for these applications; The above information are required for us to arrive on the hardware and solution BoQ</p>	<p>Refer revised Annexure X attached with this corrigendum</p>
102	78	118	<p>Annexure X - Hardware Sizing and Software/Tool Deliverable</p>	<p>We request Bank to please share the current sizing for 50 applications in terms of CPU, Memory, Storage and also the current utilisation levels</p>	<p>Refer revised Annexure X attached with this corrigendum</p>
103	78	118	<p>Annexure X - Hardware Sizing and Software/Tool Deliverable : (2) tentative requirement for next 3 years after 50 mid- size application hosted on the platform presently hosted on 32 cores</p>	<p>Could you please share the current sizing for 50 Application in terms of CPU, Mem, Storage and also the current utilisation levels</p>	<p>Refer revised Annexure X attached with this corrigendum</p>

104	Annexure Y (Compliance Sheet)	119	The platform should support source code management that enables coordination, sharing, version control and collaboration across the development teams.	<p>The proposed solution allows multiple ways in which development of applications can be facilitated within the platform:</p> <p>a) Using Git repository - allows import of an existing codebase, Devfile, or Dockerfile from an existing Git repository using the From Git, From Devfile, or From Dockerfile options respectively, to build and deploy an application</p> <p>b) Container images - Allows using existing images from an image stream or registry to deploy application on the platform</p> <p>c) Developer laptops - by i) allowing import of YAML files & ii) Uploading JAR files to build and deploy Java Applications</p> <p>Additionally, the proposed solution allows the bank to set up image streams, depending on where the registries of the images are located, any authentication requirements around those registries, and how you want your builds and deployments to behave. An image stream comprises any number of container images identified by tags;</p> <p>By watching an image stream, builds and deployments can receive notifications when new images are added or modified and react by performing a build or deployment, respectively</p>	Please be guided by RFP
105	Annexure Y (Compliance Sheet)	119	The platform should act as central code repository for all onboarded applications.	The proposed Solution is a kubernetes based platform to host your cloud native applications . The platform provides the capabilities to integrate with the central code repository as long as the bank's respective solution vendors are able to provide RESTful APIs that can be used.	Please be guided by RFP
106	Annexure Y (Compliance Sheet)	120	The platform should have the ability to raise tickets for day-to-day operational issues pertaining to the applications/modules developed using the platform.	<p>The proposed kubernetes platform has the capability of integration with third party ticketing tools as long as the bank's respective solution vendors are able to provide RESTful APIs that can be used.</p> <p>With the integration of kubernetes platform , ticketing tool and automation solution the raising of ticket for day-to-day operational issues pertaining to the applications/modules can be easily done.</p>	Bidder has to integrate with the other applications through API/SSH/SFTP

107	Annexure Y (Compliance Sheet)	120	The platform should have the ability to track the status and action taken by onsite support team for the tickets raised.	The proposed kubernetes platform has the capability of integration with third party ticketing tools as long as the bank's respective solution vendors are able to provide RESTful APIs that can be used. The ticketing tool should be easily able to track the status and action raised by the onsite support team. Would request to the bank if the expectation is otherwise from the kubernetes platform.	Please be guided by RFP
108	General			Kindly reconfirm: any storage replication considered in the container platform	Please be guided by RFP
109	General			Kindly reconfirm: any cache considered to be integrated with the container platform	Please be guided by RFP
110	7.1.b ii	13	Support multiple programming language and IDE (integrated Development Environment) e.g., Spring Boot, .NET Framework, .NET Core, NodeJs etc.		Clause to be read as under : Support multiple programming language and IDE (integrated Development Environment) e.g., Java, Spring Boot, .NET Framework, .NET Core, NodeJs, Python etc.
111	7.2	15-16	Following is the indicative list of tools envisaged by Bank, which needs to be stitched together to implement End-to-End DevSecOps pipeline. However, the bidder needs to provide standard set of tools which can support and provide all the functionalities of Bank's proposed tool and add additional values to the End-to-End solution.		Refer revised clause 7.2 Attached Annexure with this corrigendum
112	7.4	16	Provide on-site hands-on support to Bank team for a period of 4 weeks after platform implementation for application modernization (i.e. rewriting) of two legacy applications, by retooling / rewriting significant chunks of its underlying code to better run in the new environment.		Clause should be read as : Provide on-site hands-on support to Bank team for a period of 6 weeks after platform implementation for application modernization (i.e. rewriting) of two legacy applications, by retooling / rewriting significant chunks of its underlying code to better run in the new environment

113		17	Broad Scope of Work		<p>This clause is added as 7.13 of Broad Scope of work</p> <p>The Kubernetes Platform should comply to industry standards PCI-DSS/FIPS</p>
114	Annexure Y (Compliance Sheet)-4	119	The platform should allow development using multiple technologies, such as but not limited to .NET, Java, Angular, Python etc.		<p>Clause should be read as :</p> <p>The platform should allow development using multiple technologies i.e. Java, Spring Boot, .NET Framework, .NET Core, NodeJs, Python etc.</p>
115	General				<p>Additional Abbreviations</p> <p>PCI-DSS (Payment Card Industry-Data Security Standard)</p> <p>FIPS (Federal Information Processing Standards)</p> <p>OSS (Open Source Solution)</p> <p>BFSI- (Banking , Financial Services and Insurance Sector)</p> <p>API (Application Programming Interface)</p> <p>SSH (Secure Shell)</p>

Annexure to Corrigendum
Revised Clause 23.Payment Terms

The terms of payment will be as follows:

S.N.	Item description	% of licenses cost*	% of implementation cost
1	Detailed requirement study and submission of supportive document (i.e., SRS, Architecture Design deployment plan, Document etc.)		10%
2	Delivery, installation and configuration of Software and Enterprise Licenses of DevSecOps and Container Platform along with all necessary tools <u>in DC</u> .	40%	10%
3	Delivery, installation and configuration of Software and Enterprise Licenses of DevSecOps and Container Platform along with all necessary tools <u>in DR</u> .	40%	10%
4	Setup of Software Governance Framework and Base line for Software CMM level or DevSecOps Maturity Model.		10%
5	Go Live of 2 legacy application deployed in the new environment by means of application modernization.		40%
6	One successful DR drill after Go Live	10%	10%
7	Submission of Performance Bank Guarantee after 4 weeks of Go Live of 2 legacy application deployed in the new environment.	10%	10%

*** In case of subscription based licenses only 1st Year cost will be considered in the license cost**

1. No advance payment will be made.
2. TDS on payments will be deducted as applicable.
3. All the payments will be made to bidder electronically in Indian Rupees only.
4. Payment shall be released on submission of necessary proof and documents like original Invoices, Warranty Certificates, Performance Bank Guarantee,

Signed Service Level Agreement, and Delivery of Software Licenses etc. subject to acceptance by Bank, submission of Letter issued by Bank in respect of completion of User Acceptance Test (UAT), documents as required by Bank like manual & documentation, training etc.

5. Payment for Facility Management Service after the initial setup / configuration of the End-to-End will be made monthly in arrears on pro-rata basis as per the attendance.
6. **ATS cost will be paid quarterly.**
7. Invoices shall be raised post milestone sign off for services billing.
8. Bank will pay invoices within 30 days from the date of receipt of physical invoice by the Bank, except for those portions of any invoice that the Bank disputes in good faith and in writing. No penalty /Interest will be paid for the delayed payment.
9. Training will be scheduled as and when requested by Bank, and the payment for each training will be released separately on its completion.

Revised Clause Annexure E - Indicative Commercial Bid

Table I - Software License / ATS cost of perpetual licenses

Sr No.	Name of Tool	Unit Cost	Perpetual licenses cost with 1 st Year warranty (A)	ATS cost for 2 nd year (B)	ATS cost for 3 rd year (C)
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	Total value (A)	NA			
	Total Cost (A+B+C)	NA			

NOTE: Comprehensive onsite 2nd and 3rd year charges for Annual Technical Support (ATS) should be quoted with minimum of 18% of Solution/Tools cost.

Table II - Software License cost of subscription-based licenses

S. No	Name of Tool	Unit Cost	License cost for 1 st year (A)	License cost for 2 nd year (B)	License cost for 3 rd year (C)
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	Total value	NA			
	Total Cost(A+B+C)	NA			

NOTE: for reference of present user / application / hardware sizing and year on year expected growth (see Annexure G)

Table III - Implementation cost (One time)

Sr No	Item	UAT Cost	DC Prod Cost	DR Prod Cost	Total Cost
1	End to end implementation of proposed Kubernetes platform and DeveSecOps with CI/CD software / tools along with complete documents (i.e., Design Document, SOP and KPI etc.)				
2	Setting up of Software Governance Framework and Base line for Software CMM level 3				
3	Specify, if any other item				
	Total				

Table IV - Training cost for 8-10 participants

Sr. No	Particulars	Per Batch Cost
1	DevSecOps & Container Platform Administration	
2	Bootstrap Framework	
3	AngularJs / NodeJs / VueJs	
4	Springboot	
5	.NET Core	
	Total	

Table V - Facility Management Cost for 2 Resources

Sr. No	Particulars	1 st year Cost (A)	2 nd year cost (B)	3 rd year Cost (C)	Total Cost (A+B+C)
1	DevSecOps & Container Platform Administrator				

Table VI - Total Cost to Ownership (TCO)

Sl. No	Table Name	Total Cost for 3 Years(excluding taxes)
1	Table - I	
2	Table - II	
3	Table - III	
4	Table - IV	
5	Table - V	
	Total Cost to Ownership	

Note:

1. The software/tools should be quoted in such a way to cover all the software / tools mentioned in the scope, with the reference of present user / application / hardware sizing (see Annexure G)
2. All the costs mentioned above must be quoted in Indian Rupees and exclusive of taxes.

3. TCO must be quoted in Indian Rupees and in WORDS AND FIGURES exclusive of taxes and it is valid for 3 years. In case of any discrepancy, TCO quoted in words will be considered.
4. Payment will be made as per the payment terms mentioned in this RFP.
5. Prices quoted by the bidder are exclusive of all applicable Taxes i.e. GST (CGST/SGST/IGST). GST will be paid on actual on production of original invoice.
6. Bidder has to show the bifurcation/details of applicable GST (CGST/SGST/IGST) in every invoice. Any upward / downward revision in GST will be borne by Bank.
7. The prices quoted should also include charges towards freight, forwarding, delivery, and installation, transit insurance charges till installation, transportation, configuration/reconfiguration, integration and go-live.
8. Bank will not pay any additional charges other than those mentioned above whatsoever the case may be.
9. Software ATS / subscription rate will be frozen for contract period and Bank may avail the services as and when required by Bank
10. Training Rate will be frozen for contract period and Bank may avail the services as and when required by Bank.
11. FMS Rate will be frozen for contract period and Bank increase number of Manpower in future if required.
12. In Case of discrepancy for number of licenses, Bank may go for normalization process.
13. Details and List of software under each type as mentioned in Table I and Table II should also be submitted as per [Annexure X- Hardware Sizing and Software/Tool Deliverable](#).
14. The Rates will be frozen during the contract period of 3 years and may be extended for further period of 2 years after contract expiry date based on the satisfactory performance. Terms and Condition will remain same for the extended period.
15. Facility Management charges should be quoted separately for each year, considering various influencing factors including inflation and incremental rate should be same for each subsequent year

Authorized Signatory:

Place:

Name & Designation & email ID:

Date:

Annexure F - Unpriced Indicative Commercial Bid

Table I - Software License / ATS cost of perpetual licenses

Sr No.	Name of Tool	Unit Cost	Perpetual licenses cost with 1 st Year warranty (A)	ATS cost for 2 nd year (B)	ATS cost for 3 rd year (C)	Submitted(Y/N)
1		XX	XX	XX	XX	
2		XX	XX	XX	XX	
3		XX	XX	XX	XX	
4		XX	XX	XX	XX	
5		XX	XX	XX	XX	
6		XX	XX	XX	XX	
7		XX	XX	XX	XX	
8		XX	XX	XX	XX	
9		XX	XX	XX	XX	
10		XX	XX	XX	XX	
11		XX	XX	XX	XX	
12		XX	XX	XX	XX	
13		XX	XX	XX	XX	
14		XX	XX	XX	XX	
15		XX	XX	XX	XX	
16		XX	XX	XX	XX	
17		XX	XX	XX	XX	
18		XX	XX	XX	XX	
19		XX	XX	XX	XX	
20		XX	XX	XX	XX	
21		XX	XX	XX	XX	
22		XX	XX	XX	XX	
23		XX	XX	XX	XX	
24		XX	XX	XX	XX	
25		XX	XX	XX	XX	
26		XX	XX	XX	XX	
27		XX	XX	XX	XX	
28		XX	XX	XX	XX	
29		XX	XX	XX	XX	
30		XX	XX	XX	XX	
	Total value	NA				
	Total Cost (A+B+C)	NA	XX			

NOTE: Comprehensive onsite 2nd and 3rd year charges for Annual Technical Support (ATS) should be quoted with minimum of 18% of Solution/Tools cost.

Table II - Software License cost of subscription-based licenses

S. No	Name of Tool	Unit Cost	License cost for 1 st year (A)	License cost for 2 nd year (B)	License cost for 3 rd year (C)	Submitted(Y/N)
1		XX	XX	XX	XX	
2		XX	XX	XX	XX	
3		XX	XX	XX	XX	
4		XX	XX	XX	XX	
5		XX	XX	XX	XX	
6		XX	XX	XX	XX	
7		XX	XX	XX	XX	
8		XX	XX	XX	XX	
9		XX	XX	XX	XX	
10		XX	XX	XX	XX	
11		XX	XX	XX	XX	
12		XX	XX	XX	XX	
13		XX	XX	XX	XX	
14		XX	XX	XX	XX	
15		XX	XX	XX	XX	
16		XX	XX	XX	XX	
17		XX	XX	XX	XX	
18		XX	XX	XX	XX	
19		XX	XX	XX	XX	
20		XX	XX	XX	XX	
21		XX	XX	XX	XX	
22		XX	XX	XX	XX	
23		XX	XX	XX	XX	
24		XX	XX	XX	XX	
25		XX	XX	XX	XX	
26		XX	XX	XX	XX	
27		XX	XX	XX	XX	
28		XX	XX	XX	XX	
29		XX	XX	XX	XX	
30		XX	XX	XX	XX	
	Total value	NA	XX	XX	XX	
	Total Cost (A+B+C)	NA	XX			

NOTE: for reference of present user / application / hardware sizing and year on year expected growth (see Annexure G)

Table III - Implementation cost (One time)

Sr No	Item	UAT Cost	DC Prod Cost	DR Prod Cost	Total Cost	Submitted (Y/N)
1	End to end implementation of proposed Kubernetes platform and DeveSecOps with CI/CD software / tools along with complete documents (i.e., Design Document, SOP and KPI etc.)	XX	XX	XX	XX	
2	Setting up of Software Governance Framework and Base line for Software CMM level 3	XX	XX	XX	XX	
3	Specify, if any other item	XX	XX	XX	XX	
	Total				XX	

Table IV - Training cost for 8-10 participants

Sr. No	Particulars	Per Cost	Batch	Submitted (Y/N)
1	DevSecOps & Container Platform Administration	xx		
2	Bootstrap Framework	xx		
3	AngularJs / NodeJs / VueJs	xx		
4	Springboot	xx		
5	.NET Core	xx		
	Total	xx		

Table V - Facility Management Cost for 2 Resources

Sr. No	Particulars	1 st year Cost (N=0)	2 nd year cost (N=1)	3 rd year Cost (N=2)	Total Cost (A+B+C)	Submitted(Y/N)
1	DevSecOps & Container Platform Administrator	xx	xx	xx	xx	

Table VI - Total Cost to Ownership (TCO)

Sl. No	Table Name	Total Cost for 3 Years(excluding taxes)	Submitted (Y/N)
1	Table - I	xx	
2	Table - II	xx	
3	Table - III	xx	
4	Table - IV	xx	
5	Table - V	xx	

	Total Cost to Ownership	xx	
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Note:

1. The software/tools should be quoted in such a way to cover all the software / tools mentioned in the scope, with the reference of present user / application / hardware sizing (see Annexure G)
2. All the costs mentioned above must be quoted in Indian Rupees and exclusive of taxes.
3. TCO must be quoted in Indian Rupees and in WORDS AND FIGURES exclusive of taxes and it is valid for 3 years. In case of any discrepancy, TCO quoted in words will be considered.
4. Payment will be made as per the payment terms mentioned in this RFP.
5. Prices quoted by the bidder are exclusive of all applicable Taxes i.e. GST (CGST/SGST/IGST). GST will be paid on actual on production of original invoice.
6. Bidder has to show the bifurcation/details of applicable GST (CGST/SGST/IGST) in every invoice. Any upward / downward revision in GST will be borne by Bank.
7. The prices quoted should also include charges towards freight, forwarding, delivery, and installation, transit insurance charges till installation, transportation, configuration/reconfiguration, integration and go-live.
8. Bank will not pay any additional charges other than those mentioned above whatsoever the case may be.
9. Software ATS / subscription rate will be frozen for contract period and Bank may avail the services as and when required by Bank
10. Training Rate will be frozen for contract period and Bank may avail the services as and when required by Bank.
11. FMS Rate will be frozen for contract period and Bank increase number of Manpower in future if required.
12. In Case of discrepancy for number of licenses, Bank may go for normalization process.
13. Details and List of software under each type as mentioned in Table I and Table II should also be submitted as per [Annexure X- Hardware Sizing and Software/Tool Deliverable](#).
14. The Rates will be frozen during the contract period of 3 years and may be extended for further period of 2 years after contract expiry date based on the satisfactory performance. Terms and Condition will remain same for the extended period.
15. Facility Management charges should be quoted separately for each year, considering various influencing factors including inflation and incremental rate should be same for each subsequent year

Authorized Signatory:

Place:

Name & Designation & email ID:

Date:

Revised Clause Annexure X - Hardware Sizing and Software/Tool Deliverable

Table I - Hardware details

The Bidder must specify complete details of Hardware and other systems required for successful implementation of the offered Solution, in the following format for (1) Present requirement of deploying DevSecOps and Container Platform with minimum number of hosted applications (2) tentative requirement for next 3 years after 50 mid-size application hosted on the platform presently hosted on 32 cores.

Sr No .	Name of Tool	OS Requirement	Processor Requirement	RAM Requirement	HDD Requirement	Any Other
1	DevSecOps - CI/CD software / tools					
2	Kubernetes container orchestration Layer / Platform					
3	Other Software / Tools					
	Total					

Please mention Make / Model (if any), type and number of processors, memory, bus speed, hard disk & Operating System number of users, license type, version etc.

Note:

The resource including CPU utilization of any server/ appliance should not go beyond 70%. If the same crosses the threshold of 70% five times in a day or 10 times in a week, bidder should fine tune the application to ensure the utilization within the aforesaid threshold without any additional cost to the bank.

*Oracle Database licenses will be provided by the bank. If proposed solution requires any other database other than Oracle, bidder must provide database and absorb the cost within the TCO.

Revised Clause 7.2

Following is the indicative list of tools envisaged by Bank, which needs to be stitched together to implement End-to-End DevSecOps pipeline. However, the bidder needs to provide standard set of tools which can support and provide all the functionalities of Bank's proposed tool and add additional values to the End-to-End solution.

DevSecOps Major Areas	DevSecOps Minor Areas	Bank's Identified Tools
Continuous Planning	Planning Mgmt.	JIRA
Continuous Development	Source Control	GitHub
	Coding	Eclipse and Visual Studio*
	Unit Test	Junit, NUnit and unit testing tool for other coding language
Continuous Integration	Artifact Management	JFRog Artifactory
	Build Management	Maven*
	Secure Code Analysis	HP Fortify*
	Static Code Analysis	SonarQube
	CI	Jenkins*
Continuous Deployment	Deploy	Jenkins*
	Configuration	Ansible
Continuous Testing		JMeter*
		Qualys Guard*
		Postman*, Bugzilla*, Selenium*, Appium*, BOTm*, Restassured*, Jmeter*, Nessus Pro*
Continuous Monitoring	Application	Prometheus / Dynatrace / AppDynamics
	Infrastructure	Nagios
	API Tracing	Service Mesh
	Logs	ELK
Continuous Operation & Feedback	Operation & Feedback	Jira Service Management / OpsGenie / StatusPage
Container Orchestration Platform		Kubernetes based platform

* Licenses for these tools will be managed by Bank

Once the DevSecOps pipeline is implemented it should support following activities:

- i Development of software applications using Agile as well as Waterfall project management methodology.
- ii Deployment on traditional hardware, VM based, Container (Docker/ Kubernetes) based architecture.
- iii Application architectures based on Monolith, SOA based as well as Micro services.
- iv Development using multiple technologies i.e. Java, Spring Boot, .NET Framework, .NET Core, NodeJs, Python etc
- v The Planning tool must provide following functionalities along with project planning:
 - 1. Task Management
 - 2. Team collaboration
 - 3. Resource Management
 - 4. Time & Budget Tracking
 - 5. Project dashboard
 - 6. Document & Project file generation
 - 7. Feedback Management