

**CORRIGENDUM**

**Dated 03/06/2025**

**Ref No. RFP/2025-26/01 “RFP for Selection of Vendor for CENTRAL BANK DIGITAL CURRENCY (CBDC)”**

Sl .	RFP Page No.	RFP Clause Name & No.	Existing Clause	Amendment
1	-	Schedule of Bids	Last Date and Time for Submission of Bid: 19.05.2025 at 03:00 PM Technical Bid Opening: 19.05.2025 at 03:30 PM	<b>Revised Last Date and Time for Submission of Bid:</b> 24.06.2025 at 03:00 PM <b>Technical Bid Opening:</b> 24.06.2025 at 03:30 PM
2	48	Section G: Eligibility Criteria, Point 8	"Bidder should not be partially or fully owned/controlled/part of any financial institution or any payment platform. The bidder must be a non-Bank promoted entity."	<b>Clause Modified.</b> Bidder should not be an entity fully owned/ controlled/ promoted by any Bank, financial institution or any payment platform. The bidder must be a non-Bank promoted entity. Bank, financial institution or any payment platform may have minor stake in the bidding entity but must not have promoting or controlling stake.
3		Section G: Eligibility Criteria, Point 8		<b>Clause Addition.</b> The bidder must have implemented or implementing at present the UTXO (Unspent Transaction Output) model of CBDC. Self-Declaration by Authorised Signatory in this regard should be submitted by bidder.
4		Annexure 2 Clause 5. u		<b>Clause Addition.</b> Bidder has to ensure the reconciliation of CBDC solution as per guidelines of RBI/NPCI (such as UTXO) as issued from time to time as per instructions and requirement of the Bank.
5		Annexure 8 Table C Note:		<b>Clause Addition.</b> Mandatory 100 Man-days as per Table A is only for Bank specific requirement and not for regulatory compliances. Further, for consumption of man-days as per Table A and Table C, FPA (Functional Point analysis) is to be submitted by bidder and as per the evaluation by the Bank, approval of the CR will be provided.
<b>Deletion</b>				
6		Annexure 13	<b>Hardware Sizing Requirement</b> – Bidder to submit requirement along with bids.	<b>Clause Deletion.</b> As we are clarifying TPS and concurrency required for the project in corrigendum, Annexure 13 is proposed to be deleted and need not to be submitted by vendor.

**Major Clarification:**

S. No.	Section/ Page	Clause/ Reference	Vendor Query	Bank's Response
1	Page no.65	<p>Annexure-3 Technical Evaluation Criteria, Table A, point no. 17</p> <p>The solution must be horizontally/ vertically scalable without any extra license cost to the Bank.</p>	<p>If the software is to be scaled, the corresponding hardware and infrastructure must also be scaled, which will incur additional costs—such as third-party licenses and configuration efforts. We request the bank to kindly take these costs into consideration</p>	<p>Bank has asked for the enterprise licenses of the application softwares to cater scalability in future. For any open-source software bidder shall provide the OEM support/enterprise support and accordingly make arrangements with the OEM. Cost for such support shall be mentioned in the BOM, Annexure 8, Table D.</p>
2	Page no.65	<p>Annexure-3 Technical Evaluation Criteria, Table A, point no. 19</p> <p>The proposed solution must provide Reconciliation capabilities</p>	<p>As reconciliation is a complex and dynamic process, we request the bank to kindly clarify the specific capabilities it expects from the CBDC vendors in this regard.</p>	<p>The bidder shall handle end to end reconciliation of CBDC transactions as per the guidelines released by Regulators/Ministries time to time including UTXO Toolkit/notifications/circulars, etc. as per the requirement of Bank.</p> <p>Reconciliation Requirements:  CBDC Wallet with UPI (CBDC to UPI QR)  Token to Token (P2P, P2M)  CBDC with CBS (Loading/Unloading reconciliation)</p>
3	Page no. 61	<p>Point 4 Support ii Onsite Support/ Resources:</p> <p>The solution partner is expected to provide comprehensive on-site support which includes but is not limited to:</p> <ul style="list-style-type: none"> <li>- Installation, configuration, and maintenance</li> <li>- Resolution of software-related issues</li> <li>- Re-installation and version upgrades</li> <li>- Patch management and updates</li> </ul>	<p>We request the bank team to please clarify that all third-party software (e.g., MariaDB, Kafka, Nginx, KeyDB, Redis, OpenShift) will be supported by their respective OEMs based on the licenses procured by the bank.</p>	<p>Bank has asked for the enterprise licenses of the application softwares to cater scalability in future. For any open-source software bidder shall provide the OEM support/enterprise support accordingly make arrangements with the OEM. Cost for such support shall be mentioned in the BOM, Annexure 8, Table D.</p>

		<p>This support encompasses the CBDC application and all associated support infrastructure, as per NPCI specifications, including (but not limited to):</p> <p>Redis, KeyDB, MariaDB, Kafka, Nginx, MongoDB, DLT Platforms, RabbitMQ, Grafana, Kibana, Kubernetes, Angular, ELK / Prometheus, Wallet APIs, Identity Services, etc.</p>		
4	Page No. 65	<p>Point No. 18 - HSM Support</p> <p>The solution must be capable of supporting integration with both software-based HSMs and hardware HSMs of any make, to ensure secure encryption of messages and transactions—whether within the system or in communication with DTSP / PSO.</p>	<p>As of the current date, HSM integration in DTSP is not provided by NPCI, we request bank team please clarify on this.</p>	<p>Based on the NPCI CBDC ecosystem, bidder shall support the HSM integration. In future if NPCI demands for HSM integration with DTSP or any other component, the bidder shall ensure seamless integration without any extra cost to the bank.</p>
5	page no. 63	<p>Annexure 2, onboarding point no. S</p> <p>The bidder has to calculate cost of the licenses required as per Hardware Sizing specification required for proposed solution as per NPCI recommendation and same shall be quoted in commercial.</p>	<p>As part of the licensing and deployment planning process, we would like to request bank team a clarification regarding the nature of the hardware infrastructure that will be used for hosting the solution.</p> <p>Kindly confirm whether the target environment is:</p> <p>Virtualized infrastructure (e.g., VMware, Nutanix, KVM), or Bare-metal (non-virtualized) physical servers</p> <p>This information is crucial as certain</p>	<p>For components requiring server sizing up to 16 cores virtual environment (VMware/Nutanix/KVM) will be provided.</p> <p>Similarly any component which require sizing above 16 cores, bare metal infra will be provided.</p> <p>Bidder shall make provision of licenses accordingly considering TPS and concurrency as under: Minimum TPS: 200 Concurrency: 200, expected to grow by 10% YoY These are the parameters for the initial go live only. Post that Bank may review the utilization of the TPS periodically and successful bidder must augment the same.</p>

			software licenses and deployment configurations are dependent on the type of underlying hardware.	
6	58	Integrate with existing banking channel (direct loading from linked bank account in app) or PG to facilitate the load and unload operation of tokens against the E- Money	Please explain the transaction flow of loading using PG. Which PG is used by the bank?	PG transaction flow will be discussed and finalized with successful bidder.  Bank will engage/appoint PG partner once successful bidder gets onboarded.
7	62	Source Code is to be submitted to bank for Source Code Audit	As source code is proprietary data, request you to allow-source code audit remotely with data in bidder to submit cert-In empanelled auditors reports.	Source code audit report by Cert-IN empanelled auditor is acceptable. However, the bidder must also allow source code audit by independent auditor appointed by the Bank if required.

**Prebid Response to Queries**

<b>S. No.</b>	<b>Section / Page</b>	<b>Clause/ Reference</b>	<b>Vendor Query</b>	<b>Bank's Response</b>
<b>1</b>	General	General	Do we procure non-judicial stamp papers in Maharashtra or the place of supply for our company in Karnataka? What value of stamp paper should we procure?	To be procured as per Stamp act applicable.
<b>2</b>	Technical Scope	Technical Scope	Regarding open-source component, there may not be support available for all components from the OEM/OSD. Another issue is that the NPCI might change the bill of materials (BOM) with different open-source components? Can the vendor provide support for the open-source components rather than OEMs or third-party support companies?	Please refer RFP's Annexure-2 Scope of Work, Section 4: Support and on page 63 clause (p).
<b>3</b>	Technical Infrastructure	Technical Infrastructure	We understand that the Central Bank of India will provide hardware (compute, memory, storage), for production (DC & DR) and UAT. Would all the databases required for the system also be provided by the bank? Further, would the bank provide Kubernetes platform along with compute, memory and storage? In case, the bank provides Kubernetes platform along with compute, does vendor need to provide maintenance services given Kubernetes is the basic infrastructure needed?	The Bank will provide the required hardware and base Kubernetes platform. However, the vendor is responsible for managing and maintaining Kubernetes deployments related to solution, including configurations, application containers, orchestration and lifecycle management.  Database specific to the application must be provisioned and managed by the vendor.
<b>4</b>	General	Bid Process Pg 18	If any product of Principal/ OEM/ OSD is being quoted in this GeM bid, the Principal/ OEM/ OSD cannot bid for any other Principal's/ OEM's/ OSD's product. Does this mean that if some company is providing OEM support for open source, for example Redis, that company cannot	The clause is self-explanatory

			be used by other bidders?	
5	Resource Management	Commercial	If more support engineers are needed, will the bank provide additional PO based on per resource cost? If the estimated man days for change requests are more than 200 days, how do we factor this?	Please refer table C of Annexure 8
6	Page no.65	Annexure-3 Technical Evaluation Criteria, Table A, point no. 17  The solution must be horizontally/ vertically scalable without any extra license cost to the Bank.	If the software is to be scaled, the corresponding hardware and infrastructure must also be scaled, which will incur additional costs—such as third-party licenses and configuration efforts. We request the bank to kindly take these costs into consideration	Bank has asked for the enterprise licenses of the application softwares to cater scalability in future. For any open-source software bidder shall provide the OEM support/ enterprise support and accordingly make arrangements with the OEM. Cost for such support shall be mentioned in the BOM, Annexure 8, Table D.
7	Page no.65	Annexure-3 Technical Evaluation Criteria, Table A, point no. 19  The proposed solution must provide Reconciliation capabilities	As reconciliation is a complex and dynamic process, we request the bank to kindly clarify the specific capabilities it expects from the CBDC vendors in this regard.	<ul style="list-style-type: none"> <li>• The bidder shall handle end to end reconciliation of CBDC transactions as per the guidelines released by Regulators/Ministries time to time including UTXO Toolkit/ notifications/ circulars, etc. as per the requirement of Bank.</li> <li>• Reconciliation Requirements: <ul style="list-style-type: none"> <li>o CBDC Wallet with UPI (CBDC to UPI QR)</li> <li>o Token to Token (P2P, P2M)</li> <li>o CBDC with CBS (Loading/Unloading reconciliation)</li> </ul> </li> </ul>
8	Page no.65	Annexure-3 Technical Evaluation Criteria, Table A, point no. 23  The proposed solution must support concurrent processing (multiple instances) and dynamic and intelligent routing to backend service	We would like to seek clarification regarding the High Availability (HA) implementation, as the mentioned point appears to indicate its inclusion, but it is not specified in the scope of work. Kindly confirm whether HA implementation is part of this project	Yes, High Availability (HA) implementation is a part of the project. The proposed solution must be architected to ensure minimal downtime and continuous availability of services, in line with industry best practices. The bidder is expected

		instances		to design and deploy the solution with appropriate HA configurations across all critical components.
9	Page no. 74	Annexure 5 Eligibility Criteria point no. 9  The solution/ product offered should be compatible with all the guidelines issued by regulatory/ government bodies from time to time. Declaration to this effect has to be submitted by the Bidder	Regulatory compliance requirements can come in different sizes and scales, we request bank team to please clarify if all such requirements needs to be covered or upto certain size, (for ex upto 10 mandays of efforts)	No Change
10	Page no. 74	Annexure 5 Eligibility Criteria point no. 11  The bidder shouldn't have any security incident or information security incident assigned to their hosted or deployed system in last 3 years of operation.	We request the bank team to please specify the scope/ definition of security incidents.	Security incidents refer to any attempted or actual unauthorized access, use, disclosure, modification, or destruction of information or interference with system operations. This includes but is not limited to malware attacks, data breaches, denial-of-service attacks, privilege escalation, unauthorized data access, or any activity violating the bank's information security policies or regulatory guidelines.
11	Page no. 74	Annexure 5 Eligibility Criteria point no. 6  There are no pending cases against the bidder/ OEM involving cheating/ fraudulent activities. Details of such activities, if any, must be furnished to the Bank	We request the bank team to please clarify if the certificate from our legal team can suffice instead of the Company secretary or external auditor.  Also, If a certificate from a Company Secretary is required, does the Company Secretary need to be an employee of Sarvatra, or can they be an external consultant? request bank team to please clarify	Please refer Annexure 5, point 6

12	Page no. 61	<p>Point 4 Support ii Onsite Support/ Resources:</p> <p>The solution partner is expected to provide comprehensive on-site support which includes but is not limited to:</p> <ul style="list-style-type: none"> <li>- Installation, configuration, and maintenance</li> <li>- Resolution of software-related issues</li> <li>- Re-installation and version upgrades</li> <li>- Patch management and updates</li> </ul> <p>This support encompasses the CBDC application and all associated support infrastructure, as per NPCI specifications, including (but not limited to):</p> <p>Redis, KeyDB, MariaDB, Kafka, Nginx, MongoDB, DLT Platforms, RabbitMQ, Grafana, Kibana, Kubernetes, Angular, ELK / Prometheus, Wallet APIs, Identity Services, etc.</p>	<p>We request the bank team to please clarify that all third-party software (e.g., MariaDB, Kafka, Nginx, KeyDB, Redis, OpenShift) will be supported by their respective OEMs based on the licenses procured by the bank.</p>	<p>Bank has asked for the enterprise licenses of the application softwares to cater scalability in future.</p> <p>For any open-source software bidder shall provide the OEM support/ enterprise support and accordingly make arrangements with the OEM. Cost for such support shall be mentioned in the BOM, Annexure 8, Table D.</p>
13	Page No. 65	<p>Point No. 18 - HSM Support</p> <p>The solution must be capable of supporting integration with both software-based HSMs and hardware HSMs of any make, to ensure secure encryption of messages and transactions—whether within the system or in communication with DTSP / PSO.</p>	<p>As of the current date, HSM integration in DTSP is not provided by NPCI.,we request bank team please clarify on this.</p>	<p>Based on the NPCI CBDC ecosystem, bidder shall support the HSM integration. In future if NPCI demands for HSM integration with DTSP or any other component, the bidder shall ensure seamless integration without any extra cost to the bank.</p>

14	page no. 63	<p>Annexure 2 , onboarding point no. S</p> <p>The bidder has to calculate cost of the licenses required as per Hardware Sizing specification required for proposed solution as per NPCI recommendation and same shall be quoted in commercial.</p>	<p>As part of the licensing and deployment planning process, we would like to request bank team a clarification regarding the nature of the hardware infrastructure that will be used for hosting the solution.</p> <p>Kindly confirm whether the target environment is:</p> <p>Virtualized infrastructure (e.g., VMware, Nutanix, KVM), or Bare-metal (non-virtualized) physical servers</p> <p>This information is crucial as certain software licenses and deployment configurations are dependent on the type of underlying hardware.</p>	<p>For components requiring server sizing up to 16 cores virtual environment (VMware/Nutanix/KVM) will be provided.</p> <p>Similarly any component which require sizing above 16 cores, bare metal infra will be provided.</p> <p>Bidder shall make provision of licenses accordingly considering TPS and concurrency.</p> <ul style="list-style-type: none"> <li>• TPS and Concurrency: <ul style="list-style-type: none"> <li>o Minimum TPS: 200</li> <li>o Initial concurrency: 200, expected to grow by 10% YoY</li> </ul> </li> </ul> <p>These are the parameters for the initial go live only. Post that Bank may review the utilization of the TPS periodically and successful bidder must augment the same.</p>
15	Page no. 12	<p>Penalty for Uptime point b</p> <p>The “Uptime” is equal to total contracted hours in a month less Downtime.</p>	<p>We request the bank team to please clarify that whether it only include DC and DR, or is it including the UAT as well,</p> <p>As per standard operational practices, the User Acceptance Testing (UAT) environment will be excluded from uptime measurement criteria. In practical terms, this means that when reporting system uptime (e.g., for SLA adherence or operational KPIs), only production and other critical environments will be considered. Any downtime or interruptions in the UAT environment will not impact uptime calculations.</p> <p>We request bank team to</p>	<p>Uptime measurement criteria will apply only to Production (DC &amp; DR) environments. The UAT environment will be excluded from uptime calculations for the purpose of SLA and operational KPIs.</p> <p>Downtime shall refer to unscheduled service interruptions in the Production environment that are attributable to the solution or its components. Scheduled maintenance windows, which will be mutually agreed upon, shall not be considered as downtime.</p>

			specify the downtime, as per our understanding downtime is considered as unscheduled downtime .	
16		Earnest Money Deposit General query	We request the bank to please clarify whether the EMD should be submitted in GEM format or as per the RFP Appendix D Bank Guarantee Format for Earnest Money Deposit should be submitted	As per Appendix D
17	Page no. 48	Annexure 5 Eligibility Criteria point no. 8  Bidder should not be partially or fully owned /controlled/ part of any financial institution or any payment platform. The bidder must be a non-Bank promoted entity.	We submit that IOB and ICICI are having stake of 6.81 % and 7.02% respectively and neither of them are promoter nor our organization is controlled by them.  Hence, we understand that this clause will not be applicable for M/s Sarvatra and M/s Sarvatra is allowed to participate, please clarify.	No Change
18		General query	We seek clarification regarding the implementation aspect of this project, particularly in relation to the mentioned regulatory guidelines. Kindly specify the expected TPS, hardware type, and confirm whether the solution is expected to go live at 100% scale or only within the bank-specific scope.	The solution is expected to be implemented as per the scope defined in the RFP, which is bank specific. For expected TPS (Transactions Per Second) and concurrency please refer to the addendum.  The bank shall provide the required hardware infrastructure (virtualized or bare metal) as per sizing recommendations mutually agreed upon during implementation, aligned with scalability and future growth provisions.  Please refer to addendum for TPS and concurrency estimates.
19		General query	As NPCI suggested two models we request bank team to please specify the model which they are	As per scope of RFP.

			adapting because the infra & third-party licenses will change accordingly.	
20		General query	Details of concurrent users are currently not available in RFP. Please share the year-over-year (YoY) growth of concurrent users so that appropriate hardware and licensing recommendations can be suggest.	Please refer to Sr No. 14
21	28	Point J point iv. However, Bank at its own discretion may not call Bidders for reverse auction, who have quoted more than 20% of the average of total cost of ownership quoted by technically qualified Bidders. Specific rules for this particular event viz. date and time, CAP price	Request you to revise 20% criteria to 30%. Revised wording will be as below – However, Bank at its own discretion may not call Bidders for reverse auction, who have quoted more than 30% of the average of total cost of ownership quoted by technically qualified Bidders. Specific rules for this particular event viz. date and time, CAP price	No Change
22	32	11. Execution of Agreement 11.1 Within 7 days from the date of acceptance of the Purchase Order/ LOI, the selected bidder shall sign a stamped “Agreement” with the Bank at Mumbai as per the format provided by the Bank. Failure to execute the Agreement makes	Request you to increase the agreement signing days from 7 to 15 days.	No Change
23	37	10. Insurance The Hardware to be supplied will be insured by the bidder against all risks of loss or damages from	Please clarify as it was mentioned that bank will procure the required hardware in the RFP document.	Only software part applicable as per scope of RFP

		<p>the date of shipment till such time, the same is delivered and installed at site and handed over to the Bank/ Office. The Bidder has to obtain transit insurance cover for the items to be delivered from their factory/ godown to the location and such insurance cover should be available till installation of the Solution. If there is any delay in the installation which could be attributed to Bank, in such an event the insurance must be available for minimum 30 days from the date of delivery of Solution.</p>		
24	37	<p>11. Guarantees The bidder should guarantee that the hardware items delivered to the Bank are brand new, including all components. In the case of software, the bidder should guarantee that the software supplied to the Bank includes all patches, updates etc., and the same are licensed and legally obtained. All hardware and software must be supplied with their original and complete printed documentation.</p>	<p>Please clarify or remove hardware related guarantee as other section of RFP mentioned bank will procure required hardware.</p>	<p>Only software part applicable as per scope of RFP.</p>
25	47	Section G: Eligibility	Request you to modify it as	No Change

		Criteria point 3. The bidder should have implemented the proposed solution in at least 1 Schedule commercial Bank and application should be live as on 31/12/2024	below - The bidder should have implemented the proposed solution in at least 2 Schedule commercial Bank and application should be live as on 31/12/2024	
26	48	Section G: Eligibility Criteria point 13. Bidder should also have internal control and audit measures in place Document Req. Copy of latest Audit report from external auditor to be submitted in this regard	Request you to clarify this point. Is it asking for source code audit or account audit. If not, request you to mention which audit report is required. Request you to remove it of not related to source code audit.	All audit report as applicable to proposed solution for proposed solution
27	60	4. Support: For the deployment of modules for the pilot project, various third-party open source software is required as per the specification shared by NPCI. Solution provider has to provide Enterprise/ Subscription license in Bank's Name for all environment/ support software as per the specifications of NPCI (e.g. Redis, Key DB, Maria DB, Kafka, Nginx, Mongo DB, DLT Platform, RabbitMQ, Grafana, Kibana, Kubernetes, Kafka, Angular, ELK / Prometheus, Grafana etc., as mentioned in NPCI document) in the production and Disaster Recovery (DR)	NPCI supports open-source software for DTSP modules. Request you to clarify whether Bank need enterprise license for each DTSP component or want to go ahead with the open sources licenses with enterprise support from bidder or third party.	Bank has asked for the enterprise licenses of the application softwares to cater scalability in future. For any open-source software bidder shall provide the OEM support/ enterprise support and accordingly make arrangements with the OEM. Cost for such support shall be mentioned in the BOM, Annexure 8, Table D.

		environment, as mentioned in Billof-material.		
28	62	point f: Source Code is to be submitted to bank for Source Code Audit.	As source code is proprietary data, request you to allow - source code audit remotely with data in bidder provide system or allow bidder to submits cert-in auditor reports.	Source code audit report by Cert-IN empanelled auditor is acceptable. However, the bidder must also allow source code audit by independent auditor appointed by the Bank if required.
29	62	Point m. In addition to the above, the bidder has to perform any change/ development as suggested by NPCI, RBI and other regulatory bodies. These changes which might arise in the future shall include (but not limited to) offline CBDC, Programmable CBDC and crossborder payments	Request you to confirm – are future changes can be chargeable as CR.	Yes, any future changes or enhancements that are outside the defined scope of work & regulatory compliance mentioned in the RFP will be considered as Change Requests (CRs) and will be handled on a case-by-case basis.
30	62	Point o. Bank will provide hardware (Compute, memory, storage), for Production (DC & DR) and UAT.	Request you to confirm that bank will provide required hardware, as few places in RFP it was mentioned that bidder is responsible for hardware and its warranty.	Please refer to point no. 23 and 24
31	62	p. The selected bidder to provide OEM/ OSD (Enterprise/ premium) support of Kubernetes, Kafka, Nginx and any other required software configurations and necessary MAF should be provided for this software. The selected bidder should comply	Request you to confirm that bank need enterprise license for Kubernetes, Kafka, Nginx etc. or they want to go ahead with open source licenses as per NPCI requirement as per page 60, point 4 (support) para.	Please Refer Sr. No 27

		OSD/ OEM software Licensing policy and also provide enterprise support of this third-party software.		
32	64	Table – A Technical and Functional Requirements > point 5 The proposed solution must create, verify VPAs and it should fetch details of the customer basing on the VPA	The CBDC system do not create VPA, it loads wallet from customer VPA using UPI, requests you modify or clarify the same.	The CBDC system does not create Virtual Payment Addresses (VPAs). Instead, it is expected to utilize existing customer VPAs to facilitate wallet top-ups via the UPI infrastructure. The bidder is expected to integrate with UPI as per NPCI guidelines for wallet funding. The relevant section in the RFP may be read accordingly.
33	80	Table C: Charges for Change Request Cost for any additional requirements/ additional customization/ enhancement during the entire contract period. > No. of Man- days - 200	If this point means that only 200 man-days allowed for change request during contract period or its just a price discovery of man-days rates. Request you to not to limit 200 mandays for changes for entire contract period, use it for man-day rate discovery for future changes requests.	Please refer to Table Table C
34	81	Table – D Price details for enterprise model of all environments supporting software components for a period of 5 year	Few components mentioned in the list do not come with the enterprise support such as DTL platform, few in-memory databases used at DTSP, software HSM, Front end application, monitoring etc. Request you to clarify whether the bidder can provide support for such components or any open-source	Please Refer Sr. No 27

			software being used during contract period. Or price can be mentioned as zero ('0') if there no enterprise support available	
<b>35</b>	11	6. PENALTIES/ LIQUIDATED DAMAGES:	Penalties/ liquidated damages for Onsite resources: request bank to consider penalties maximum at 5% of Annual billing	No Change
<b>36</b>	14	Cost of Supporting Software Components for a period of 1 Year as mentioned in Table-B	Request bank to consider payment at 50% advance with PO and 50% on completion of SIT of any module	No Change
<b>37</b>	47	Eligibility criteria point 6 There are no pending cases against the bidder/ OEM involving cheating/ fraudulent activities. Details of such activities, if any, must be furnished to the Bank.	Request bank to consider self-declaration for same	No Change
<b>38</b>	47	Eligibility criteria point 7: The Bidder/ OEM should not be classified as a loan defaulter/ insolvent/ bankrupt by any Bank. The bidder should not have its affairs administered by a court or a judicial officer, not have its business activities suspended and must not be the subject of legal proceedings for any of the foregoing reasons.	Request bank to consider self-declaration for same.	No Change
<b>39</b>	48	Eligibility criteria point 8: Bidder should not be partially or fully owned /controlled/ part of any financial institution or any payment platform. The bidder must be a non-Bank promoted entity.	Request bank to remove this clause. Please let us know significance of said clause.	No Change
<b>40</b>	61	ii. Onsite Support/ Resources: qualification	Request bank to consider "BE/ BTECH/ MCA/ BCA/Equivalent + Relevant	No Change

		L1 resource	certifications in related field	
41	61	ii. Onsite Support/ Resources: qualification L2 resource	Request bank to consider "BE/ BTECH/ MCA/ BCA/Equivalent + Relevant certifications in related field	No Change
42	61	ii. Onsite Support/ Resources: qualification L3 resource	Request bank to consider "BE/ BTECH/ MCA/ BCA/Equivalent + Relevant certifications in related field	No Change
43	67	Annexure 3(A)On- premises CBDC RTSP solution implementation. (per Bank one mark each)- maximum 5 Marks	Request bank to consider 2 marks per bank for evaluation.	No Change
44	15	Section B/9 Subcontracting	We propose to make a following revision in the clause- "The selected bidder shall not subcontract or permit anyone other than its personnel to perform any of the work, service or other performance required of the vendor under the contract without the prior written intimation to Bank."	No Change
45	15	Section B/10 Right to Audit	We propose to add following language in the clause- "Any such audit or inspection shall be conducted with 15 (Fifteen) days prior written notice to bidder."	No Change
46	32	Section E 13- Order cancellation/Terminatio n of contract	Bidder shall have termination rights at par with Bank and the Bidder shall be granted with cure period of 60 (Sixty) days by the Bank before any termination.	No Change
47	33	Section E 13.4 - Order cancellation/Terminatio n of contract	The clause shall be replaced in its entirety as following- "In case the selected bidder fails to conduct an event as per stipulated schedule, the Bank reserves the right to get it conducted by alternate sources at its own risk, cost and responsibility by giving 7 days prior notice to the bidder."	No Change

<b>48</b>	33	Section E 13.5 - Order cancellation/Termination of contract	This clause is not acceptable and shall be deleted.	No Change
<b>49</b>	34	Section F 3.1. Responsibilities of the Selected Bidder	Bank to clarify what the term "change in the management" is referred here? Does the Bidder need to inform every small change?	The term "change in the management" refers to significant structural or leadership-level changes such as changes in the Board of Directors, CEO/MD, major shareholding patterns, mergers, acquisitions, or ownership transitions which could impact the contractual obligations or performance under this project.
<b>50</b>	34	Section F 3.4. Responsibilities of the Selected Bidder	The clause shall be replaced as follows- "The vendor must provide all services as mentioned in the RFP but necessary for the CBDC project."	No Change
<b>51</b>	37	Section F 12 Intellectual Property	This clause shall be mutual	No Change
<b>52</b>	38	Section F 13 Confidentiality and non-disclosure	This clause shall be mutual	No Change
<b>53</b>	38	Section F 14 Indemnity	This clause shall be mutual; Bidder's aggregate liability shall be subject to an overall limit of the 10% of the annual cost paid by the Bank to Bidder. No indemnities shall survive post termination of this Agreement;	No Change
<b>54</b>	39	Section F 15.2 Force Majeure	Following additions shall be made in clause 15.2 - "epidemic, pandemic, lockdown" shall be identified as Force Majeure events.	Section F 15.2 For the purpose of this clause, "Force Majeure" shall mean an event beyond the control of the selected bidder, due to or as a result of or caused by acts of God, wars, insurrections, riots, earthquake and fire, events not foreseeable but does not include any fault or negligence or carelessness on the part of the selected bidder, resulting in such a

				situation.
55	41	Section F 17.7	The clause shall be edited as follows- "Any effort/ attempt by a bidder to influence the Bank in its decision on bid evaluation, bid comparison or contract award may result in rejection of the Bidder's bid and/ or blacklisting the Bidder. The Parties agree not to hire, solicit or accept solicitation either directly or through a third party from any of the employees of the other Party directly involved in this contract during the period of contract and one year thereafter, except as the parties may agree on the case-to-case basis."	No Change
56	43	Section F 24 Legal Disputes and Jurisdiction of the court	This clause shall be mutual, and the Bidder shall have rights at par with Bank.	No Change
57	45	Section F 29	This clause shall be mutual, and the Bidder shall have termination rights at par with Bank.	No Change
58		New Addition to the agreement- Limitation of Liability	This clause shall be added in the contract- This clause shall be mutual. "The maximum liability of Bidder shall be limited to 10% of the annual Cost paid to Bidder."	No Change
59	70	Annexure 4 Non-disclosure Agreement; Clause 4	The language in clause 4 shall be edited as follows- The confidentiality obligations of the information shared under this Agreement shall survive until the survival period mentioned in definitive agreement executed between the parties or 2 (Two) years from termination or expiry of this Agreement, whichever happens first.	No Change
60	103	Pre contract integrity Bid- section 9	This pact shall survive during the term of the contract only and shall not survive post expiry of the contract	No Change

61	11	PROJECT TIMELINES	<p>What are the project timelines considered for implementation of the solution?</p> <p>Since the bank will procure and provide the hardware as per the sizing provided by the selected bidder, our understanding is that the delivery timeline will be considered from the date of provisioning of the hardware. Please confirm.</p>	<p>The project timelines for the implementation of the solution will be considered from the date of provisioning of the hardware by the Bank.</p>
62	58	<p>Integrate with existing banking channel (direct loading from linked bank account in app) or PG to facilitate the load and unload operation of tokens against the E-Money</p>	<p>Please explain the transaction flow of loading using PG. Which PG is used by the bank?</p>	<p>PG transaction flow will be discussed and finalized with successful bidder.</p> <p>Bank will engage/appoint PG partner once successful bidder gets onboarded.</p>
63	67	<p>On-premises CBDC RTSP solution implementation. (per Bank one mark each) - maximum 5 Marks</p>	<p>Since CBDC is a relatively new project with not many currently in the pilot, request bank to relax scoring to per bank 3 marks with max 5 marks.</p>	<p>No Change</p>
64	55	<p>User Held Model – Where the User and his/her device will be responsible for key holding. Wallet is not recoverable in case of user held device. This will be handled in future state based on RBI confirmation.</p>	<p>Understand that any such changes in the future will require substantial changes in the product and any such changes will be mutually discussed with the bank and taken as a separate proposal.</p>	<p>No Change</p>
65	54	<p>Backend Administration / Management Module with User access management, Ticketing module for development and operational support with tracker, etc.</p>	<p>Since this is onsite deployment, request bank to provide ticketing module.</p>	<p>The bidder is expected to provision a ticketing system for development and operational support with appropriate tracking, user access management, and reporting features, as part of the overall solution.</p>
66	13	<p>6. PENALTIES/ LIQUIDATED DAMAGES Penalty for Uptime Point # i Penalty of Rs. 20, 000/- per 0.5% per</p>	<p>Request the Bank to provide an illustration of the applicable penalty in case of uptime &gt;98% to &lt;=99%</p>	<p>Please refer Penalty Clause</p>

		downtime will be deducted		
67	13	6. PENALTIES/ LIQUIDATED DAMAGES Penalty for Uptime Point # i Penalty of Rs. 20, 000/- per 0.5% per downtime will be deducted	For uptime > 98% to <= 90%, is the penalty applicable for every 0.5% or for every downtime? If for instance there has been 2 instances of downtime during a month totalling to 0.5%, would the Bank penalize the vendor with INR 20,000/- or INR 40,000/- Request the Bank to clarify.	Please refer Penalty Clause
68	34	SECTION F - GENERAL CONDITIONS 3. Responsibilities of the Selected Bidder 3.4. The vendor must provide all services even if not explicitly mentioned in the RFP but necessary for the CBDC project.	Request the Bank to not enforce additional services not explicitly mentioned in the RFP on the bidder. If such services are identified during the course of the project, request the Bank to consider mutually agreeable charges for the additional services	No Change.
69	45	SECTION F - GENERAL CONDITIONS 30. Mandatory Training/ Knowledge Transfer Bidder should provide minimum 2 sets of 5- day Training/ Knowledge Transfer to Bank and Bank's associated vendor.	Request the Bank to clarify the role of the Bank's associated vendor and the scope of training/ knowledge transfer to this vendor	The Bank's associated vendor refers to third-party vendors engaged by the Bank for integration, support, or maintenance activities related to the overall CBDC solution, including but not limited to RTSP, DTSP, mobile applications, SDKs, and other components mentioned in the RFP scope.
70	45	SECTION F - GENERAL CONDITIONS 30. Mandatory Training/ Knowledge Transfer Bidder should provide minimum 2 sets of 5- day Training/ Knowledge Transfer to Bank and Bank's associated vendor.	Request the Bank to consider limiting the training to only 2 sets of 5 days each, instead of keeping it unlimited. Any training required by Bank beyond 2 sets should be on chargeable basis.	No Change
71	46	SECTION F - GENERAL CONDITIONS	This is not relevant to this RFP since the Bank does not have an existing system for	Bidder to provide data migration (data cleaning, data extraction

		<p>30. Mandatory Training/ Knowledge Transfer</p> <p>7. Data migration (data cleaning, data extraction and loading in new switch, transition from old switch to new switch)</p>	<p>CBDC. Hence request the Bank to remove this from the scope of the bidder</p>	<p>and loading in new switch, transition from old switch to new switch) after expiry of this RFP contract term or termination of services with selected bidder.</p>
72	60	<p>Annexure-2 Scope of Work</p> <p>4. Support:</p> <p>i. Third Party Software's/ Support and Installation:</p> <p>Solution provider has to provide Enterprise/ Subscription license in Bank's Name for all environment/ support software as per the specifications of NPCI (e.g. Redis, Key DB, Maria DB, Kafka, Nginx, Mongo DB, DLT Platform, RabbitMQ, Grafana, Kibana, Kubernetes, Kafka, Angular, ELK / Prometheus, Grafana etc., as mentioned in NPCI document) in the production and Disaster Recovery (DR) environment, as mentioned in Bill-of-material</p>	<p>Does the Bank expect the bidder to support the open-source technologies adopted by NPCI for the DTSP node or provide enterprise license from OEM for such 3rd party software?</p>	<p>Please refer Sr. No. 27</p>
73	60	<p>Annexure-2 Scope of Work</p> <p>4. Support:</p> <p>i. Third Party Software's/ Support and Installation:</p> <p>Solution provider has to provide Enterprise/ Subscription license in Bank's Name for all environment/ support software as per the specifications of NPCI (e.g. Redis, Key DB, Maria DB, Kafka, Nginx, Mongo DB, DLT Platform,</p>	<p>If enterprise license is required for such open-source software, the compatibility of DTSP with enterprise versions of these 3rd party software needs to be validated by Bank with NPCI</p>	<p>Only the products compatible / validated by NPCI for CBDC shall be proposed under this RFP. Licensing/support options shall not impact the compatibility of any product.</p>

		RabbitMQ, Grafana, Kibana, Kubernetes, Kafka, Angular, ELK / Prometheus, Grafana etc., as mentioned in NPCI document) in the production and Disaster Recovery (DR) environment, as mentioned in Bill-of-material		
74	61	Annexure-2 Scope of Work 4. Support: ii. Onsite Support/ Resources: Post 'Go-Live', Bidder has to provide required L1, L2, L3 resources and Project Manager at onsite location of the Bank to manage and support the project. It is clarified that L1 support is required for 24x7 (minimum Five L1 support required), L2 support is required from 7 AM to 11 PM (on Bank's working Days) and in case of exigency (minimum two L2 support required) and minimum one L3 support is required from 11 AM to 7 PM (on Bank's working Days) and in case of exigency.	1. Request the Bank to clarify if the number of L1 resources to be deployed by the bidder would be five (5), in which case, there would be one (1) resource on each shift and with rotation to support on 24 x 7 basis, there is a need for five resources.  2. Is the Project Manager also required as part of Post 'Go-live' support?	The Bank requires five (5) L1 resources to ensure 24x7 onsite support post 'Go-Live'. ◦This includes appropriate shift rotation and backup coverage to manage support seamlessly across three shifts.  The Project Manager is also required post 'Go-Live' to coordinate with the Bank's teams, manage issue resolution, handle escalations, and ensure smooth operations. Project Manager will be required onsite.
75	61	Annexure-2 Scope of Work 4. Support: ii. Onsite Support/ Resources: Qualification criteria for Resources:	Request the Bank to specify the qualification criteria and experience levels for the Project Manager.	The Project Manager should be well versed with CBDC project and have the capabilities to monitor the provided resources and should have experience of 2-3 Years at least of leading projects
76	61	Annexure-2 Scope of Work 4. Support: ii. Onsite Support/ Resources: Bank may change the timings as per	If there are changes to the shift timings or in need of additional shifts/ days (for L2/ L3), trust the Bank would consider paying for the additional resources that may be required to support	Please refer to Annexure-2, Scope of Work, Clause 4(ii) for details.

		requirement.	the additional shifts/ days	
77	62	Annexure-2 Scope of Work 5. Onboarding b. Bidder must ensure that, apart from UAT environment, each participant installation would have 2 nodes – Primary Production (PR) Node & DR Node.	Is the Bank expecting additional participants apart from Bank during the implementation phase?  If yes, request the Bank to provide the details to allow the bidder to factor in the implementation timeline, efforts, infrastructure sizing considerations and associated 3rd party software costs.	No Change. The term "participant" refers to Central Bank of India as the sole participant in this project.
78	62	Annexure-2 Scope of Work 5. Onboarding f. Source Code is to be submitted to bank for Source Code Audit.	Request the Bank to consider the bidder to perform the source code audit, since the source code cannot be shared with Bank, except in case of access under escrow arrangement	Please refer Sr. No 28
79	66	Annexure-3 Technical Evaluation Criteria Table – B Consolidated Score for Relative Technical Evaluation (RTE): Maximum Technical score is 100. So total marks obtained as per above criteria should be normalized to 100 as below. (Obtained score under technical evaluation/ Total Marks) * 100 = Technical Score (T)	The normalization referred in this section is not relevant, since the total marks/ maximum marks is also 100	The normalization formula is standard language and is applicable only when the total technical score exceeds 100 across multiple evaluators or diverse criteria. However, since the maximum technical score is already capped at 100 in this RFP, normalization is not applicable in this case.
80	11	The Bank will impose liquidated damages of 2% per week or part thereof of the total cost of the project payable to the bidder, for delay in not adhering to the time schedules for commitments under each activity	Please confirm if total cost of project refers to Total cost of ownership. 2% of the TCO per week of delay is too high considering the multiple components in the TCO. Request Bank to consider changing the penalty applicability to the undelivered portion rather than total project cost payable	Please refer Annexure 8
81	13	Maximum cap on penalty on above shall be equal to monthly bill payment.	Please confirm if only ATS will be considered as monthly payments, since there is no actual monthly payments in payment terms	The term “monthly bill” is a standard clause. However, since the RFP does not define any monthly payments, the

				maximum cap on penalty shall be limited to 10% of the Total Cost of Ownership (TCO) as per Clause 6.
82	14	Cost of Supporting Software Components for a period of 1 Year as mentioned in Table-B	Table B does not have provision for splitting the cost year wise and only 5 year cost is provided. Request Bank to alter the Table B to give this provision	No Change
83	14	System Requirement Study, Delivery of Software and Corporate perpetual License, Installation, Customization, configuration of RTSP, DTSP and other required software as per the specifications of NPCI and the scope mentioned in the RFP along with mobile app and UAT signoff for the same. [Table –A]	Request Bank to consider changing the license term to contract period rather than perpetual	No Change
84	14	Onsite Resource charges as mentioned Table-C - Quarterly in arrears	Request Bank to change this to Monthly in arrears	No Change
85	14	ATS - Payment terms	There is no payment terms provided for ATS of the solution	Please refer Section B point No 7
86	14	1. System Requirement Study, Delivery of Software and Corporate perpetual License, Installation, Customization, configuration of RTSP, DTSP and other required software as per the specifications of NPCI and the scope mentioned in the RFP along with mobile app and UAT signoff for the same. [Table –A] - 40%  2. Installation, Customization, Configuration of RTSP, DTSP and other	Considering there is no separate payment terms for License, request Bank to prepone the payments as in current terms the starting terms is UAT sign off. Request Bank to consider the payment terms below: 1.System Requirement Study, Delivery of Software and Corporate License - 40% 2.Installation, Customization, configuration of RTSP, DTSP and other required software as per the specifications of NPCI and the scope mentioned in the RFP along with mobile app	No Change

		required software as per the specifications of NPCI and the scope mentioned in the RFP for pilot along with mobile app in production at DC and DR. [Table –A] - 40% 3. After 3 months of successful implementation of RTSP, DTSP modules along with mobile app. [Table-A] - 20%	and UAT signoff for the same. [Table –A] - 40% 2. Installation, Customization, Configuration of RTSP, DTSP and other required software as per the specifications of NPCI and the scope mentioned in the RFP for pilot along with mobile app in production at DC and DR. [Table –A] - 40%	
87	79	One time implementation includes 100 Man Days per year of development /maintenance/ integration / customizations/ training (if any) as per the requirement of the Bank.	As it is a onetime cost, 100 man-days can be included for the first year and not on every year. Request bank to consider the amendment	No Change
88	80	Bidder may factor adequate resources as required to meet the SLA compliance without any extra cost to the Bank.	Bank has already provided the number of resources to be quoted. And also says that it is indicative and change as per Bank's discretion. Since the resource numbers to be quoted are fixed in the TCO, Bidder doesn't have the flexibility to factor additional resource. Request bank to remove this clause or clarify on this clause	The indicative resource numbers have been provided; the bidder is responsible for ensuring SLA compliance. If additional resources are needed to meet SLAs, the cost must be borne by the bidder.
89	82	Number of Man-days mentioned above are indicative and over and above 100 Mandays as per Table A only. However, consumption of Man-days may vary from time to time in total.	The clause mentions 100 mandy while table has 200 manday. Assuming this is a typo. Please confirm	Please refer Table A & Table C in Annexure 8.
90	Pg No. 11 & Clause No. 6	Penalties & Liquidated Damages	We should be given an opportunity to remedy the breach; post which the penalty could be levied upon us.	No Change
91	Page No. 13	Payment Terms	As per industry standard, we seek 100 % advance	No Change

	Clause No.7		payment for maintenance services.	
92	Page No. 15 CLAUSE No. 8. (DOCUMENTS, STANDARD OPERATING PROCEDURE S AND MANUALS)	All related documents, manuals, Standard Operating Procedures (SOPs), best practice documents and information furnished by the bidder shall become the property of the Bank.	No, we are not okay with it the same is the proprietary IP of the Bidder and licensed for limited use, not transferred.	No Change
93	Page No. 15 Clause No. 9. (SUBCONTRACTING)	The selected bidder shall not subcontract or permit anyone other than its personnel to perform any of the work, service or other performance required of the vendor under the contract without the prior written consent of the Bank. The selected bidder should not subcontract works to any contractor from a country which shares a land border with India unless such contractor is registered with the Competent Authority (refer F/No.6/18/2019-PPD Dated 23/07/2020 of Public Procurement Division, Department of Expenditure, Ministry of Finance). Any false declaration and non-compliance of the above would be a ground for immediate termination of the contract and further legal action in accordance with the laws	As application vendor, we may not be able to provide support resources for third-party software. We need to engage with third-party support services provider. Thus, there is a chance of sub-contracting some scope of support activities to third-party. Request bank to consider the same and confirm.	Please refer for Clause No. 9 for details.
94	Page	Notwithstanding	Please note that, in the event	No Change

	No. 29 Clause No.29	anything contained in this Agreement, Bank reserves its right to terminate the agreement with the Bidder without assigning any reason at any time by giving thirty (30) days prior written notice to the Bidder, at no cost to the bank.	of termination for convenience, the Bank shall not be entitled to any refund of any advance payments made. 30 days period needs to be increased and this clause need to negotiate during contract execution.	
95	Page No. 32 Clause No. 12 (Pricing )	<p>12.1. The Price offered to the Bank must be in Indian Rupees inclusive of all taxes but Exclusive of GST (CGST/ SGST/ IGST). The Vendor has to quote the applicable taxes separately in the Bill of Material.</p> <p>12.2. The item value along with GST should be claimed in the invoice and GST will be paid in actuals at our end.</p> <p>12.3. No escalation in price quoted is permitted for any reason whatsoever. Prices quoted must be firm till the price validity period.</p> <p>12.4. From the date of placing the order till the delivery of the systems, if any changes are brought in the duties such as excise/ customs etc., by the Government resulting in reduction of the cost of the systems, the benefit arising out of such reduction shall be passed on to the Bank.</p> <p>12.5. Applicable Taxes will be paid at actuals.</p>	Please note that the quoted price does not include any provision for escalation. In this context, kindly clarify how Change Requests (CRs) will be handled and whether they would impact the commercial terms.	Please refer table C of Annexure 8
96	Page No. 36 Clause	6 (Inspection Of Records), 10 (Insurance) & 11-	The Bidder provides software and maintenance services. Hardware is not	Please treat is as software and if applicable.

	No. 6, Clause No. 10 & Clause No. 11	(Guarantees)	provided by the Bidder as a Service. Please remove these clauses.	
97	Page No. 36 Clause No. 5 (Responsibility for Completeness)	<p>5.1. The selected bidder shall ensure that the services provided meets all the technical and functional requirements as envisaged in the scope of the RFP.</p> <p>5.2. The selected bidder shall deliver the services as per technical specification and Scope of Work described elsewhere in the RFP and arrange for user level demo at selected bidder's cost as per accepted time schedules. The selected bidder is liable for penalties levied by Bank for any deviation in this regard. The selected bidder shall provide for all drivers/ software required to install, customize and test the system without any further charge, expense and cost to Bank.</p> <p>5.3. The selected bidder shall be responsible for any discrepancies, errors and omissions or other information submitted by him irrespective of whether these have been approved, reviewed or otherwise accepted by the bank or not. The selected bidder shall take all corrective measures arising out of discrepancies, error and omission other information as mentioned above within</p>	Please note that the Clauses 5.1 to 5.3 are not in favour of the bidder, as they impose strict compliance with technical and functional requirements, mandate demos and corrective measures at the bidder's cost, and hold the bidder solely liable for any discrepancies or errors, even if previously approved by the Bank.	No Change

		the time schedule and without extra cost to the bank.		
<b>98</b>	Page No. 37 Clause No.9	Publicity	Service Provider may make a reference of the Services rendered to the Bank covered under this Agreement on Service provider's Web Site or in their sales presentations, promotional materials, business plans or news releases etc with prior written intimation to the Bank and the same shall be subject to the Service provider maintaining Confidentiality of the terms of the Agreement with the client.	No Change
<b>99</b>	Page No.38 Clause No.14	Indemnity	Service Provider shall have no obligations with respect to any infringement claims to the extent that the infringement claim arises or results from: (i) Service Provider's compliance with the Bank's specific technical designs or instructions; (ii) any unauthorized modification or alteration of the Software by the Bank; or (iii) failure to implement an update to the licensed software that would have avoided the infringement.	No Change
<b>100</b>	Page No. 38 Clause No. 14 (Indemnity)	Entire Clause	The Bidder is required to indemnify the Bank against various risks, including legal and financial damages arising from the bidder's breach of obligations or statutory violations. While the clause outlines the bidder's responsibility for claims related to intellectual property and employee matters, the absence of indemnity protection for the bidder is a concern. The bidder should request an indemnity clause to protect themselves against third-party claims arising from	No Change

			the Bank's actions or failure to meet its obligations. 14.3. Bidder's aggregate liability shall be subject to an overall limit of the total Cost of the project. However, the Bidder liable to indemnity for the software provided by the Bidder and not for any other existing software of the bank.	
<b>101</b>	Page No. 42 Clause No.22	Social Media Policy	We should be aware of the Bank's Social Media Policy in order to adhere and comply to the same.	Shall be shared with selected bidder.
<b>102</b>	Page No. 34 3. Responsibilities of the Selected Bidder	3.4. The vendor must provide all services even if not explicitly mentioned in the RFP but necessary for the CBDC project.	Request bank to consider defined scope as vendor will not be able to estimate efforts for undefined scope.	No Change
<b>103</b>	Page No. 34 3. Responsibilities of the Selected Bidder	3.5. Licensing Costs for third-party software must be included.	Is bank expecting third-party software from vendor? We assume that vendor has to provide only CBDC RTSP application software only. Kindly Confirm.	If any third-party component is embedded or bundled within the solution, its cost should be included.
<b>104</b>	Page No.37 10. Insurance	The Hardware to be supplied will be insured by the bidder against all risks of loss or damages from the date of shipment....	We assume that hardware will be provide by the bank. Kindly delete this clause.	Please treat it if applicable
<b>105</b>	Page No. 23 11. Guarantees	The bidder should guarantee that the hardware items delivered to the Bank are brand new, including all components...	We assume that hardware will be provide by the bank. Kindly delete this clause.	Please refer S. No 104
<b>106</b>	Page No. 48 Section G: Eligibility Criteria	13 Bidder should also have internal control and audit measures in place. Copy of latest Audit report from external auditor to be submitted in this regard.	We assume ISO 9001 & ISO 27001 certificate will suffice this criterion. Please confirm.	Please refer S. No 26

107	Page no. 57 Annexure-2 Scope of Work	The scope of work involves on boarding a Solution provider for end-to-end development, implementation, installation and maintenance of CBDC solution (Retail and wholesale both) which consists of:	The RFP issued by CBI pertains to the implementation of R-CBDC; however, it also includes references to the implementation of Wholesale CBDC. The pricing section, however, includes only RTSP switch and R-CBDC-related components, with no mention or costing details related to Wholesale CBDC.	Costing details of Wholesale CBDC should be submitted in Table D of Annexure 8.
108	Page no. 60 Annexure-2 Scope of Work	<p>4. Support: For the deployment of modules for the pilot project, various third-party open-source software is required as per the specification shared by NPCI. Solution provider has to provide Enterprise/ Subscription license in Bank's Name for all environment/ support software as per the specifications of NPCI (e.g. Redis, Key DB, Maria DB, Kafka, Nginx, Mongo DB, DLT Platform, RabbitMQ, Grafana, Kibana, Kubernetes, Kafka, Angular, ELK / Prometheus, Grafana etc., as mentioned in NPCI document) in the production and Disaster Recovery (DR) environment, as mentioned in Bill-of-material.</p> <p>The Solution Partner also should provide on-site support for installation, maintenance and resolving software related issues, including re-installation, maintenance and patch upgradation of the</p>	<p>1. NPCI provides images with all the required software for the implementation of the DTSP module; therefore, the Bidder is not required to supply these software components. Kindly share your confirmation or comments on this understanding.</p> <p>2. Request confirmation on whether the Kubernetes environment will be provisioned by the Bank. Additionally, if the Bidder is expected to provide the license, kindly clarify how the Bidder should proceed with the purchase under the Bank's name.</p>	<p>1. Please refer Sr. No. 27 2. Software Sizing is part of RFP document.</p>

		<p>same, whenever required.</p> <p>The solution partner also should provide on-site support not limited to installation, maintenance and resolving software related issues, including support, re- installation, version upgradation, patch updates etc. of the CBDC solution wherever required, which includes all environment/ support software as per the specifications of NPCI (e.g. Redis, Key DB, Maria DB, Kafka, Nginx, Mongo DB, DLT Platform, RabbitMQ, Grafana, Kibana, Kubernetes, Kafka, Angular, ELK / Prometheus, Grafana, Wallet API-services, Identity Services etc. as mentioned in NPCI recommendations).</p>		
<b>109</b>	<p>Page No. 60 Annexure-2 Scope of Work</p>	<p>In view of the entirety and enormity of CBDC Project, if any service which essentially forms part of project scope is not explicitly mentioned in scope of work, will be considered as part of the RFP and the successful bidder will have to provide the same at no cost to the Bank in the larger interest. Any later plea by the bidder for excluding/ omitting of services on the pretext that same was not explicitly mentioned in the RFP will not be accepted by the Bank.</p>	<p>Request bank to consider defined scope as vendor will not be able to estimate efforts for undefined scope and associated cost needs to be billed to the bank. Please confirm.</p>	<p>No Change</p>

110	Page No. 61 Qualification criteria for Resources:	BE/ BTECH/ MCA/ BCA + Relevant certifications in related field	Request bank to include B Sc. - IT and M Sc -IT degree also.	No Change
111	Page no. 62 Annexure-2 Scope of Work	5. Onboarding Source Code is to be submitted to bank for Source Code Audit.	As Bidder will provide only executables to bank and source could reside with Bidder, so the bank appointed vendor has to conduct source code audit at Bidder's premises. Please confirm our understanding.	Please refer S. No. 28
112	Page No. 81 Annexure 8 Bill of Material	Table – D Price details for enterprise model of all environments supporting software components for a period of 5 year	Is bank expecting third-party software from vendor? We assume that vendor has to provide only CBDC RTSP application software only. Kindly Confirm. If not, please delete this table.	RFP is for end-to-end solution of CBDC. Please refer Annexure 8
113	Page No. 83 Annexure 8 Bill of Material	Table- E Price details of AMC/ATS for the solution (1st Year under Warranty)	Is bank expecting third-party software from vendor? We assume that vendor has to provide only CBDC RTSP application software only. Kindly Confirm. If not, please delete the table for third-party software ATM.	Please refer Annexure 8 , Table E
114	Page No. 89	ANNEXURE 12: Compliance Certificate with respect to RBI's "Master Direction on Outsourcing of Information Technology Services"	Since the proposed solution will be deployed at banks on premise (Data Centre) many of the clauses of the RBI's master direction may not be applicable. The Annexure needs to be modified accordingly.	No Change
115	Page No. 90	Annexure 13: Hardware Sizing Requirement	Request bank to share the following for infra sizing for the contract period: Peak Volume considered – Financial: Peak Volume considered – Non-Financial: Daily average volume – Financial: Daily average volume – Non-Financial: Number of concurrent user: Number of total user:	Refer to the addendum

			Number of corporate/ merchant: Online data retention period : Year-on-year growth % (Min. 5 years):	
116	Page 7 1. SCHE DULE OF BIDS	Last date and time for Bid submission 19/05/2025 (Upto 03:00 PM.)	Request bank to extend the last date of bid submission by minimum of 2Two (2) weeks since the RFP is exhaustive and requires time for the preparation of the bid response.	Kindly refer Section A Sl. No. 6
117	Onboar ding/Pa ge 63	Onboarding	What will be the expected concurrent users and TPS/TPM (Transactions Per Second / Minute) of the system?	Please refer to the corrigendum.
118	Onboar ding/Pa ge 62	Onboarding	Bank to confirm if the Enterprise Software Licenses required for the system will be procured by the Bank.	Infrastructure shall be provided by Bank
119	Annexu re-2 Scope of Work/P age 55	Annexure-2 Scope of Work	Bank to confirm whether the infrastructure for AppServer, RTSP, and DTSP will be provided by the Bank.	No Change
120	Annexu re-2 Scope of Work/P age 59	Annexure-2 Scope of Work/Page 59	Bank to confirm whether there is any existing reconciliation portal which can be extended to accommodate CBDC use cases.	Please refer to corrigendum.
121	Annexu re-2 Scope of Work/P age 60	Annexure-2 Scope of Work	As per our understanding, NPCI will provide all required binaries/images for DTSP and support installation/setup. Kindly confirm this understanding.	Please refer Sr. No. 27
122	Implem entation Timelin es/Page 16	Implementation Timelines/Timeline of 3 months from issuance of PO	Bank to confirm if there is any scope for extending the implementation timeline to 6 months, considering end- to-end delivery requirements.	No Change
123	Annexu re 13: Hardwa re Sizing Require ment/P	Annexure 13: Hardware Sizing Requirement	Bank to confirm whether the Virtual Machines (VMs) will be provisioned by the Bank, and that the bidder will only need to provide the software licenses.	No Change

	age 91			
124	Annexure-2 Scope of Work/P age 60	Annexure-2 Scope of Work	Bank to confirm whether the use of Open-Source Software (e.g., NGINX) is acceptable, provided the bidder offers complete support and maintenance.	Please refer Sr. No. 27
125	Annexure-2 Scope of Work/P age 55	Annexure-2 Scope of Work	Bank to confirm whether the DTSP sizing provided by NPCI is to be used as-is, or whether the bidder may propose alternate sizing based on anticipated bank transaction loads.	Please refer to corrigendum.
126	Penalties/Page 11	Penalties/Timely completion of milestones	Request explicit confirmation that timeline delays not attributable to Winjit (e.g., delays from Bank/NPCI) will not attract penalties.	No Change
127	Payment Terms/ Page 14	Payment Terms/Support Contract Payment	Request to change Support Contract Payment terms from Annual to Quarterly, for smoother management.	No change.
128	Security Deposit / Performance Bank Guarantee/Page 31	Security Deposit/ Performance Bank Guarantee /--0.5% penalty per week up to 10% of TCO	Request reduction in penalty rate from 0.5% to 0.25% per week.	No change.
129	PENALTIES/ LIQUIDATED DAMAGES/Page 12	PENALTIES/ LIQUIDATED DAMAGES/--Bidder shall compensate financial loss	We assume that this financial liability is also limited to 10% of TCO, as stated in Clause 6l. Kindly confirm.	Please refer Section B - Clause 6
130	Onboarding/ Page 62	Onboarding/Requirement of Manufacturer's Authorization Form (MAF)	Since it is difficult to obtain a Manufacturer's Authorization Form (MAF) for open-source tools, we request exemption from MAF requirement for open-source software components.	Please Refer Sr. No 27
131	Section B – Clause	Section B – Clause 5: Project Timelines/ “As provided by the bidder	Kindly clarify if there are any maximum or expected timelines predefined by the	Please refer RFP.

	5: Project Timelines/11	in Annexure-3(A)”	Bank for implementation of CBDC-R and CBDC-W modules.	
132	Section B – Clause 6: LD/11	Section B – Clause 6: LD/2% per week capped at 10%	Please confirm whether the 10% cap on LD includes all types of penalties (e.g., uptime SLA, resource absence) or is applicable per category.	No Change
133	Section B – Clause 6.k/13	Section B – Clause 6.k/ “Sum total of penalties will not exceed 10% of TCO.”	Please confirm if this limit includes all penalties under uptime SLA, resource unavailability, and performance breaches.	No Change
134	Section B – Clause 7: Payment Terms/14	Section B – Clause 7: Payment Terms/ “Payment within 30 days of submission of documents”	Please confirm whether this timeline begins from invoice submission or from Bank’s approval of deliverables.	No Change
135	Section C – Clause 1.1/18	Section C – Clause 1.1/ “Only one bid per OEM/product”	If a bidder proposes a solution integrating products from multiple OEMs, will this clause restrict their participation?	Please refer RFP
136	Section B – Clause 10: Right to Audit/15	Section B – Clause 10: Right to Audit/Annual audits by Bank-appointed auditors	Will these audits be conducted independently or jointly with the bidder’s compliance team?	Audits may be conducted independently by Bank-appointed auditors. Bidder coordination is required.
137	Annexure-2: Scope of Work	Annexure-2: Scope of Work/Not detailed in main RFP	Kindly clarify whether the Bank expects separate environments for CBDC Wholesale and Retail or a unified framework.	Separate environments are preferred for CBDC-R and CBDC-W. Final structure will be finalized during implementation.
138	Section B – Clause 12: Make in India/17	Section B – Clause 12: Make in India/ “Class I local supplier” with ≥50% local content	If licenses are procured from global OEMs but implemented by an Indian entity, can this count towards local content requirement?	Only the local value-added content is considered towards the 50% requirement. OEM licenses alone do not qualify.
139	Section B – Clause 4:	Section B – Clause 4: Scope of Work/Includes CBDC Retail and Wholesale	Includes CBDC Retail and Wholesale	Scope includes both Retail and Wholesale CBDC modules as detailed in the RFP.

	Scope of Work/10			
140	Annexure - 3(A)/67	Bidder's Capabilities, Past Experiences	While our company currently does not have a live or under-implementation CBDC solution within a bank, we possess a strong and demonstrable skillset directly relevant to the development and deployment of such systems. We are confident in our ability to deliver a robust and innovative CBDC solution for your bank and are eager to demonstrate our capabilities.	Kindly Refer RFP Clause "Eligibility Criteria - point No.3)"
141	Point 3, Section G: Eligibility Criteria	The bidder should have implemented the proposed or a similar solution in at least one Scheduled Commercial Bank, and the application should be live as on 31/12/2024	In lieu of experience specific to Central Bank Digital Currency (CBDC), implementation experience in UPI-based solutions of a similar scale and complexity can also be considered.	Kindly Refer RFP Clause "Eligibility Criteria - point No.3)"
142	Annexure-3(A) Bidder's Capabilities, Past Experiences	CBDC solution implemented/under implementation in Banks - (5 marks per bank for go live and 3 mark per bank for under implementation each - maximum 15)	Relax the requirement for CBDC - specific experience and allow evaluation marks to be awarded for experience in UPI and other banking switch implementations	Kindly Refer RFP Clause " Technical Evaluation parameters"

**Note:**

- Bidders are requested to consider the revised clauses and updated annexures while preparing their bids.
- All modifications/updates approved by competent authority and shall be deemed binding.