CORRIGENDUM - 2

In reference to the Request for Proposal (RFP) bearing Bid Number: GEM/2026/B/7203650 for RFP for Design, Supply, Implementation & Maintenance of Data Lakehouse and AI/ Gen AI Platform for "**Data Transformation and AI Banking**" all interested Bidders are hereby informed that the Changes/Revisions/Addendum as per Corrigendum-2 are to be taken into account for bid submission. Bidders are requested to note and comply accordingly.

Sr No#	Addition / Deletion / Modification	RFP Clause No. / Annexure No. & Page No.	Existing Requirement / Condition / Annexure	Revised Requirement / Condition / Annexure
1	Modification	#6.5.4 57 & 58	**Hardware Specifications:** • SI shall provision either Blade Server/Rack server to meet the requirements mentioned in RFP. • SI shall ensure proposed form factor (Blade or Rack) shall be consistent across DC and DRC for operational uniformity • SI shall propose GPU/on-chip AI accelerator in Rack/Blade server-based platform meeting the requirement stated in RFP. • Server should have latest Generation processors. • The servers must be rack-mounted and equipped with minimum dual 32-core Intel Xeon Platinum CPUs (2.7 GHz or better) or equivalent CPU that support the latest computational and graphics accelerators. • High density servers with in-built cooling should be available to support current and future demands.	**Hardware Specifications:** The below specifications for the hardware are suggestions by the Bank, however, the bidder may choose to quote server including any other architecture as long as the said infrastructure meets all the performance and availability criteria mentioned in RFP clause# SLA, Performance, Volumetrics, etc. The Bidder to ensure that the supplied hardware has support roadmap for at least 7 years from the date of GoLive. Bidder shall size the solution to meet the defined SLAs. Sustained CPU utilization should be designed to remain ≤80%, with short-duration peaks permitted without any adverse impact, including but not limited to financial,

			• GPU specifications: Each GPU card should have a memory capacity of 141 GB or more to handle large and complex AI models. Any model of the GPU from the OEM should be in use in any Bank in India. The memory type must be HBM3e with a memory bandwidth of up to 4.8 TB/s or higher to support demanding tasks. GPU slicing with minimal performance overhead should be available. SI/Bidder must ensure that all GPUs are supplied with the appropriate interface and power connections required for their type and form factor. It should offer seamless interconnectivity options to enable the formation of powerful GPU clusters and support high-speed interconnect technologies (NVLink, NVSwitch) with a bi-directional bandwidth of approximately 900 GB/s. Additionally, it must be compatible with PCIe Gen5 X 16 (128 GB/s) interconnects and deliver performance metrics of FP64 equivalent to or exceeding 30-34 TeraFLOPs and FP32 equivalent to or exceeding 60-67 TeraFLOPs. SI to ensure GPUs are supplied with all the required specific proprietary software stack including but not limited to LLMs, Tool kit, drivers, control panel, etc. • Each server must include a minimum of 512 GB DDR5 5600 MHz RAM (using minimum 64GB DIMMs), scalable to minimum 4 TB in a fully populated	performance, operational, or reputational impact. In case of any such adverse impact, bidder should supply the required hardware, software licenses and related application licenses at no additional cost. <u>Data Nodes Server Specification:</u> • Each Data Node Server should have latest Generation processors. The servers must be rack-mounted and equipped with minimum dual 32-core X86 based CPUs (2.9 GHz or better) or equivalent CPU that support the latest computational and graphics accelerators. The servers must support minimum 24 DDR5 DIMM slots (RDIMMs/LRDIMMs) with speeds of 5200 MT/s or higher and provide advanced memory protection features, including ECC with multi-bit error protection, online spare, mirrored memory, and fast fault tolerance. • Each server must include from day-1, a minimum of 512GB DDR5 5200 MHz RAM using minimum 64GB or more DIMMs and from day-1 it should be scalable upto 1.5 TB without replacement of the memory. Memory has to be supplied and certified with the proposed Server OEM. The servers must be capable of identifying and reporting whether genuine OEM memory is installed to ensure system reliability. • Server shall support minimum 2 NVMe Drives of minimum 900 GB for Operating System in RAID 1. Server

			configuration. The servers must be capable of identifying and reporting whether genuine OEM memory is installed to ensure system reliability. • The servers must support minimum 32 DDR5 DIMM slots (RDIMMs/LRDIMMs) with speeds of 5600 MT/s or higher and provide advanced memory protection features, including ECC with multi-bit error protection, online spare, mirrored memory, and fast fault tolerance. • Server shall be Controller Embedded / PCIe based or connected over the Fiber Channel via FCP to support RAID controller supporting RAID,1, 5, 6, 10, 50, 60. • Server should support Operating Systems and Virtualization Software proposed as part of solution. All kind of software licenses should be provided by the bidders. • The servers must support a minimum of 12 x 2.5" SSD/NVMe drives and include a RAID controller with 12GB NV Cache, supporting RAID levels 1, 5, 6, 10, 50, 60. The storage controller must support secure encryption/data-at-rest encryption and hardware RAID for NVMe disks. • NVMe drives intended for hot-tier workloads shall be directly connected and not bottlenecked by shared controllers. • NVMe drives (with min. IOPS-5000) should be provided for Hot Tier & Production workloads, which should be directly connected and not bottle necked by shared	should support Operating Systems and Virtualization Software proposed as part of solution. All kind of software licenses should be provided by the bidders. • NVMe drives (with min. IOPS-5000) should be provided for Hot Tier & Production workloads, which should be directly connected and not bottle necked by shared controllers. However, to meet SLA SI/Bidder to provide NVMe drives in Warm/Cold Tier as well as UAT, Dev, Sandbox wherever required. • Server should provide minimum 6 X 10/25G with SFP and also maintain card level redundancy. • Storage performance testing aligned to expected workloads shall be included as part of acceptance testing • Storage performance figures shall be validated during acceptance testing under representative workloads. • Throughput to be assessed by the Storage size, data transformation window etc. Apart from above mentioned GPU node and Data node configuration, bidder needs to factor in the management layer (e.g. Master Node, Management Node, Monitoring server, Hardware Management, etc) as per the Proposed architecture separately for all the environments i.e. Production at DC & DR, Development, UAT, Sandbox.

			controllers. However, to meet SLA SI/Bidder to provide NVMe drives in Warm/Cold Tier as well as UAT, Dev, Sandbox wherever required. • Storage performance testing aligned to expected workloads shall be included as part of acceptance testing • Storage performance figures shall be validated during acceptance testing under representative workloads. • Throughput to be assessed by the Storage size, data transformation window etc	Bidder needs to provide out of band management network switches separately. Dedicated management port with 1× 1GbE for BMC • SI may provision either Blade Server/Rack server to meet the requirements mentioned in RFP. SI shall ensure proposed form factor (Blade or Rack) shall be consistent across DC and DRC for operational uniformity • SI may propose GPU/on-chip AI accelerator in Rack/Blade server-based platform meeting the requirement stated in RFP. The servers should support and be certified for the operating system proposed to be installed and must integrate with leading server management software. **<u>GPU specifications:</u>** Each GPU card should have a memory capacity of 141 GB or more to handle large and complex AI models. Any model of the GPU from the OEM should be in use in any Bank in India. The memory type must be with a memory bandwidth of up to 4.8 TB/s or higher to support demanding tasks. GPU slicing with minimal performance overhead should be available. SI/Bidder must ensure that all GPUs are supplied with the appropriate interface and power connections required for their type and form factor. It should offer seamless interconnectivity options to enable the formation

				of powerful GPU clusters and support high-speed interconnect technologies. It should scale upto 8 GPU/4 GPU within single node**.** Additionally, it must be compatible with PCIe Gen5 X 16 (128 GB/s) interconnects and deliver performance metrics of FP64/FP32 equivalent to or exceeding 34-60 TeraFLOPs. SI to ensure GPUs are supplied with all the required specific proprietary software stack including but not limited to LLMs, Tool kit, drivers, control panel, etc. GPU clusters must be created with Server OEM certified reference architecture. • Each GPU Server should have latest Generation processors. The servers must be rack-mounted and equipped with minimum dual 48-core X86 based CPUs (2.7 GHz or better) or equivalent CPU that support the latest computational and graphics accelerators. • Each GPU server must include from day-1, a minimum of 1.5 TB DDR5 5200 MHz RAM using minimum 64GB or more DIMMs and from day-1 it should be scalable upto 3 TB **without replacement of the memory**. Memory has to be supplied and certified with the proposed Server OEM. The servers must be capable of identifying and reporting whether genuine OEM memory is installed to ensure system reliability. • The servers must support minimum 24 DDR5 DIMM slots (RDIMMs/LRDIMMs) with speeds of 5200 MT/s or higher and provide advanced memory protection features,

				including ECC with multi-bit error protection, online spare, mirrored memory, and fast fault tolerance. • GPU cluster must be connected with high speed InfiniBand or RoCE Ethernet, backend network must support 400Gig for multi-GPU communication if required and Front end network for Storage and Management network with 100G/200G. • Server shall support minimum 2 NVMe Drives of minimum 900 GB for Operating System in RAID 1. Server should support Operating Systems and Virtualization Software proposed as part of solution. All kind of software licenses should be provided by the bidders. • Server shall support minimum of 12 x 2.5", Form Factor SSD/NVMe drives. • OEM should supply the server with Drive retention support to ensure Data retention and Privacy and protection. Also, the data within the drive should be in encrypted format. • NVMe drives intended for hot-tier workloads shall be directly connected and not bottlenecked by shared controllers. • The Solution should be provided with an end-to-end software platform for developing, deploying and managing

				AI applications from the same GPU vendor with Enterprise grade 24X7 support. • AI/ML application platform should also provide GPU-optimized models, container images, microservices, pre-trained models, SDKs from a single catalogue provided by the GPU vendor • The solution should support various AI frameworks (for e.g.Pytorch, TensorFlow, Keras, ONNX, etc.), microservices, and SDKs. • The GPU vendor should provide secure GPU drives, Kubernetes operators and cluster management tools. • The solution should be provided with APIs, services and Software Developments Kits (SDKs) that will help build generative AI enabled tools, applications and services all from the same GPU vendor. • The solution should be provided with an enterprise grade software suite, that provides production ready AI frameworks optimized microservices, secure drives, long term lifecycle support and commercial deployment rights. The servers should support and be certified for the operating system proposed to be installed and must integrate with leading server management software.

2	Deletion	#6.5.4 58	**NVLink Switch Specification** • High Bandwidth Interconnect: The NVLink switch should provide a minimum bandwidth of 900 GB/s per GPU pair, ensuring fast communication between GPUs to handle heavy AI and analytics workloads effectively. • Scalability: It must support scaling up to at least 16 GPUs per cluster, delivering low latency and high throughput to enable efficient parallel processing across multiple GPUs. • Compatibility: The switch should be compatible with common enterprise grade GPUs (such as NVIDIA H200) widely used in AI and analytics solutions. • Reliability and Redundancy: Features like failover support and error correction are necessary to maintain uninterrupted data flow and high availability. • The bidder/SI shall submit indicative rack-level and cluster-level GPU interconnect layouts.	Stands deleted

3	Deletion	#6.5.4.1 58 & 59	Connectivity and Expansion • User and application traffic: o at least 2 dual-port 25 Gb Base-SFP+ network interface cards (NICs) and transceivers. • Management: o Dedicated management port with 1× 1GbE for BMC and 10 GbE for OS Management • Storage Network: o 2× 200 Gb Ethernet o Support for RoCE v2, Jumbo Frames, NVMe-oF (wherever applicable) • GPU/ AI Network: o 2× 200 Gb or higher NICs per GPU server o GPUDirect RDMA o InfiniBand or RoCE Ethernet • Intra-Node GPU Connectivity: o NVlink Switch 900 Gb/s per GPU pair • Minimum of 12 PCIe Gen5 slots or more for upgrades (SmartNIC, additional GPU, DPU, or accelerator card). SI to ensure CPU and GPU clusters connectivity to meet the SLA. • The servers must include a minimum of 1 VGA/video port, 2 x USB 2.0/USB 3.0 ports, dedicated management ports, and support for serial, MicroSD, and USB 3.0 interfaces. • The servers should support and be certified for the operating system proposed to be installed and must integrate with leading server management software.	Stands deleted

4	Addition	6.5.4.2 59 & 60	Power and Monitoring:	The Server should support Power Policy Management for Servers, BIOS and OS, Dynamic power Rebalancing
5	Deletion & Modification	6.5.4.3	Cooling: • The platform needs cooling infrastructure that can reliably handle the heat generated by high-density compute and storage racks used by AI and advanced analytics workloads. Cooling systems should be scalable, energy-efficient and support current and future demands based on RFP use cases. • Cooling design should follow recognized industry standards for temperature, humidity and airflow to ensure hardware operates safely and efficiently. • The solution must include detailed thermal output (BTU/hr) and power draw (Wattage) characteristics per unit. • Hardware should come with inbuilt direct to chip Liquid cooling capability. Liquid cooling system must be vendor-certified, include all necessary pumps, connectors, and leak protection • Utilize chilled water systems if water availability is ensured, with environmental sustainability and water conservation measures in line with regulations.	Cooling: • The platform needs cooling infrastructure that can reliably handle the heat generated by high-density compute and storage racks used by AI and advanced analytics workloads. Cooling systems should be scalable, energy-efficient and support current and future demands based on RFP use cases. • Cooling design should follow recognized industry standards for temperature, humidity and airflow to ensure hardware operates safely and efficiently. • The solution must include detailed thermal output (BTU/hr) and power draw (Wattage) characteristics per unit. • Cooling systems must maintain room temperatures around 22-26°C with relative humidity between 45-60% • N+1 redundancy in cooling equipment is mandatory to ensure uninterrupted operation despite potential failures or maintenance • MIG/Virtual GPU Partitioning must not interfere with thermal thresholds • All equipment must have CE, RoHS, and BIS certification. • GPU thermal components must be rated for 24x7x365 enterprise operation. • Temperature sensors and automated fan speed control

			• Cooling systems must maintain room temperatures around 22-26°C with relative humidity between 45-60% • N+1 redundancy in cooling equipment is mandatory to ensure uninterrupted operation despite potential failures or maintenance • Provision for backup cooling (e.g., additional CRAH units or chilled water redundancy) to manage extreme heat days. • MIG/Virtual GPU Partitioning Must not interfere with thermal thresholds • All equipment must have CE, RoHS, and BIS certification. • GPU thermal components must be rated for 24x7x365 enterprise operation. • Temperature sensors and automated fan speed control • Smart PSU monitoring and alerts • Liquid-cooling support with leak detection (for high-density deployments) • Equipment must operate reliably at ambient temperature range of 10°C to 35°C • Humidity Tolerance 20%–80% RH (non-condensing) • Front-to-back airflow preferred for rack deployments • SI/Bidder must specify delta impact on CRAC/air conditioning load in tons or kW	• Smart PSU monitoring and alerts • Equipment must operate reliably at ambient temperature range of 10°C to 35°C • Humidity Tolerance 20%–80% RH (non-condensing) • Front-to-back airflow preferred for rack deployments • SI/Bidder must specify delta impact on CRAC/air conditioning load in tons or kW • Deploy environmental sensors for temperature, humidity, airflow, and integrate with centralized control systems for dynamic cooling adjustments. • Monitoring Support Systems must provide real time data on temperature, airflow, fan speed, water flow, leak detection. They should support common protocols like SNMP, Modbus TCP, Redfish for integration with Data Center management. • In case of Liquid Cooling, Safety Features like Leak detection, drip trays, condensation controls (e.g dew point management) should be supported for critical/sensitive equipment. • Maintenance – Fans, controllers, power supplies should be hot-swappable, allowing servicing without downtime • Cooling equipment should be compatible with existing building management and data centre infrastructure management systems • Cooling infrastructure must be designed with modularity to accommodate expansion in rack density and power without major overhauls.

			• Deploy environmental sensors for temperature, humidity, airflow, and integrate with centralized control systems for dynamic cooling adjustments • Monitoring Support Systems must provide real time data on temperature, airflow, fan speed, water flow, leak detection. They should support common protocols like SNMP, Modbus TCP, Redfish for integration with Data Center management. • Safety Features – Leak detection, drip trays, condensation controls (e.g dew point management) are critical for protecting sensitive equipment. • Maintenance – Fans, controllers, power supplies should be hot-swappable, allowing servicing without downtime • Cooling equipment should be compatible with existing building management and data centre infrastructure management systems • Cooling infrastructure must be designed with modularity to accommodate expansion in rack density and power without major overhauls. • The solution should fit within the planned power and cooling infrastructure, ensuring smooth integration into the data centre environment.	• The solution should fit within the planned power and cooling infrastructure, ensuring smooth integration into the data centre environment.

6	Addition	61 6.5.4.6	Security Features: • The servers must include the following security features: o Secure default passwords o Persistent event logging, including user activity o Secure alerting mechanisms o Automatic BIOS recovery o Rapid OS recovery o System erase functionality o Cryptographically signed firmware o System lockdown capabilities o Secure boot, firmware integrity checks, and system recovery features	Security Features: • The servers must include the following security features: o Secure default passwords o Persistent event logging, including user activity o Secure alerting mechanisms o Automatic BIOS recovery o Rapid OS recovery o System erase functionality o Cryptographically signed firmware o System lockdown capabilities o Secure boot, firmware integrity checks, and system recovery features o The Server Should Support Image Scanning a two-step process for creating a unique digital signature for a given block of code. First, a hashing algorithm, similar to a checksum, is used to compute a hash value of the block of code, Help ensure that the firmware, Basic Input Output System (BIOS), and other software are authentic and un-modified, provided a critical check so only genuine, unmodified, software can boot on a Server

7	Modification	6.5.4.8 61 & 62	Storage and Redundancy: • SAN-based storage facilities must be provisioned for all environments. • The proposed solution should ensure high-speed and low-latency storage networking. • The SAN fabric shall be dual-fabric with multipathing, lossless, NVMe-oF capable, and fully redundant, providing line-rate performance, zero packet loss, and microsecond end-to-end latency to meet enterprise Lakehouse and GenAI SLAs, which will be validated during acceptance testing. • There should not be any oversubscription for storage paths. Automatic path failover without I/O interruption. • The SAN and network switches must be designed to accommodate port-level redundancy, path level redundancy, etc ensuring high availability and fault tolerance for critical operations. • All critical hardware components, including but not limited to Switch, Link, Optics, Power Supply, Control Plane, Hard disks, PCI cards, fans, etc. shall not possess any single point of failure and must be hot-swappable to ensure zero downtime.	Storage and Redundancy: • SAN-based/Scale-out storage facilities must be provisioned for all environments. Bidder to ensure that provided storage solution is optimized Enterprise grade and Storage OEM certified. • The proposed solution should ensure high-speed and low-latency storage networking. • The Storage solution shall support lossless, NVMe-oF/GPU Direct/NFS over RDMA capable, and fully redundant, providing line-rate performance, zero packet loss, and microsecond end-to-end latency to meet enterprise Lakehouse and GenAI SLAs, which will be validated during acceptance testing. • Storage should support NFS, S3, Object protocols to run GenAI workloads. • The storage solution and network switches must be designed to accommodate port-level redundancy, path level redundancy, etc ensuring high availability and fault tolerance for critical operations. • All critical hardware components, including but not limited to Switch, Link, Optics, Power Supply, Control Plane, Hard disks, PCI cards, fans, etc. shall not possess any single point of failure and must be hot-swappable to ensure zero downtime.

			• Software & Control Plane capabilities like Non-disruptive upgrades (ISSU), stateful failover, Fast convergence (< 1s) shall be available.	• Software & Control Plane capabilities like Non-disruptive upgrades (ISSU), stateful failover, Fast convergence (< 1s) shall be available. •Bidder to provide all the necessary softwares / licenses required for the Proposed Storage Solution with respect to DC/ DR replication should be included from day-1. • Bidder to provide redundant SAN switches with 64Gbps speed as per the proposed solution architecture. Necessary SFPs & Licenses to be provided as per the proposed solution from Day-1. Bidder to ensure at least 30% free active ports are available within the switch considering future growth. SAN switch should provide real time analytics and telemetry from Day-1.
8	Addition	Clause# 6 Page# 23	Scope of Work for the SI	For end to end integration and successful implementation of project additional hardware along with software and licences should be provided by the bidder without affecting the performance of solution
9	Modification	Non-FR#357 to Non-FR#367	Annexure-12 Non-FR Requirements	Based on the modifications done above in RFP Clause# 6.5.4, 6.5.4.1, 6.5.4.2, 6.5.4.3, 6.5.4.6, 6.5.4.8 stands modified. The specifications for the hardware are suggestions by the Bank, however, the bidder may choose to quote server including any other architecture as long as the said

				infrastructure meets all the performance and availability criteria mentioned in RFP clause# SLA, Performance, Volumetrics, etc. The Bidder to ensure that the supplied hardware has support roadmap for at least 7 years from the date of GoLive. Bidder shall size the solution to meet the defined SLAs. Sustained CPU utilization should be designed to remain ≤80%, with short-duration peaks permitted without any adverse impact, including but not limited to financial, performance, operational, or reputational impact. In case of any such adverse impact, bidder should supply the required hardware, software licenses and related application licenses at no additional cost.
10	Addition	Clause#6.11.17 Page# 107	Data Backup and Recovery The SI must implement a dual-backup solution, comprising both disk-to disk (D2D) and disk-to-tape (D2T) backup mechanisms, to ensure comprehensive data redundancy and recovery flexibility for the solution. The specific data elements, tiers, or zones requiring backup, the corresponding backup solution (D2D) or (D2T) to be utilized for each, and the required backup frequency, shall be finalized and agreed upon	Data Backup and Recovery The SI must implement a dual-backup solution, comprising disk-to disk (D2D) backup mechanisms, to ensure comprehensive data redundancy and recovery flexibility for the solution. The specific data elements, tiers, or zones requiring backup, the corresponding backup solution to be utilized for each, and the required backup frequency, shall be finalized and agreed upon with the Bank during the detailed design phase of the project. Backup Solution should be available for 10 years.

			with the Bank during the detailed design phase of the project.	The Backup solution must offer encrypted backup and restoration capabilities to guarantee both data availability and data security during disaster recovery or routine operational needs.
11	Addition	Clause#6.4.3.5 Page 34	The Data Lakehouse Capability	**<u>Integrated Data Lakehouse Platform</u>** – Unified architecture, Maintainability, Associated/ Support components integration, Enterprise grade operations and scaling, OEM certified components The Bank envisages implementation of a unified Data Lakehouse platform architecture that integrates the capabilities of both Data Lake and Data Warehouse within a cohesive framework. The core Data Lakehouse platform should provide unified architectural capabilities to support enterprise-scale workloads, including data engineering, advanced analytics, and data management etc. and should enable the Bank to build and operate AI, Analytics, GenAI, and Agentic AI capabilities on top of the platform. The unified architecture should also enable simplified platform operations, support, and lifecycle management, including consistent administration, monitoring, governance, and security controls across the Data Lakehouse environment. The proposed architecture

				should avoid operational complexity arising from multiple independent platforms, disparate software stacks, or fragmented management interfaces, thereby ensuring ease of maintenance, operational efficiency, and long-term sustainability for the Bank. Associated ecosystem components such as data ingestion/sourcing tools, data management and governance components, visualization/BI tools, orchestration, monitoring, and other supporting capabilities may be proposed as integrated modules within the platform or as external enterprise-grade components. Where external components are proposed, they should integrate seamlessly with the Data Lakehouse platform and meet the Bank's requirements for performance, scalability, security, and enterprise class support aligned with defined SLAs and volumetric requirements. All components proposed as part of the solution, including the core platform and associated ecosystem components, must be enterprise-grade, OEM-certified products, and bidders shall provide relevant OEM documentation and certifications as specified in the RFP to substantiate compliance with the Bank's requirements.

12	Addition	Clause#6.4.3 Page 31	Storage and Processing Landing Zone, Raw Zone, Curated Zone (Master, Reference Data)	Please refer Table #1 - For Log Retention
13	Modification	Clause#20 178	SLA – overall 70% compute, memory	SLA Bidder shall size the solution to meet the defined SLAs. Sustained CPU utilization should be designed to remain ≤80%, with short-duration peaks permitted without any adverse impact, including but not limited to financial, performance, operational, or reputational impact. In case of any such adverse impact, bidder should supply the required hardware, software licenses and related application licenses at no additional cost.
14	Modification	Clause# 20 176	Section 20, Service Level Agreement	Please refer below additional tables for corresponding SLAs in addition to the RFP Table 2.a - Query Performance SLA Table 2.b - GenAI SLAs
15	Modification	Clause# 8 119	Section 8 (Project Timelines)	It is hereby clarified that the entire activity related to procurement, delivery, installation, configuration, and commissioning of the on premises hardware infrastructure and associated software components for all environments (Development, Testing, Production, and Disaster Recovery) shall be completed within a maximum period of 26 weeks from the Acceptance of PO.

				The bidder/System Integrator shall ensure that procurement, delivery, installation, and commissioning of the hardware infrastructure are planned and executed in a phased and staggered manner (if required, but entire delivery should be within 26 weeks), enabling progressive availability of environments required for platform setup, development activities, and migration preparation while building the new data Lakehouse platform for the Bank. In order to facilitate timely execution of platform configuration and migration readiness activities, the bidder/System Integrator may adopt a staggered infrastructure deployment approach, wherein: • The Development environment may be provisioned and made operational within approximately sixteen (16) weeks from the Acceptance of PO, enabling e.g., initiation of technology stack installation, development of ingestion pipelines, configuration of processing frameworks, validation frameworks etc. • The Testing environment e.g., SIT, UAT etc. may be provisioned subsequently, within approximately twenty to twenty-two (20–22) weeks from the Acceptance of PO, to support integration testing, performance validation, migration rehearsals, and workload certification etc. • The Production and Disaster Recovery environments may thereafter be provisioned and fully commissioned, ensuring completion of the overall hardware and software

				infrastructure setup within the stipulated 26 weeks period. This staggered deployment approach shall enable parallel execution of platform configuration, development, testing, and migration preparation activities. Further, considering the revised infrastructure readiness timelines, the overall timeline for completion of migration activities from the existing data platforms to the proposed Data Lakehouse platform shall stand revised from thirty-six (36) weeks to forty four (44) weeks from the Acceptance of PO. Further, it is clarified that any service level obligations, delays, or penalty provisions associated with hardware delivery, installation, infrastructure readiness, or platform commissioning that are dependent on the availability of on-premises hardware infrastructure shall become applicable only after completion of the stipulated 26 weeks period from the Acceptance of PO. Please refer to Table 3 for Revised Timelines
16	Modification	Clause# 17	Evaluation Process	Please refer to Table 4.a, 4.b & 4.c

17	Deletion	Clause#19 167	Payment Terms	Please refer to Table 5.a & 5.b
18	Addition	6.16.1 & 6.16.2 Pg No# 113	Training and knowledge transfer • Training shall be completed within Six months of platform Go-live and should cover all the technical aspects to ensure staff proficiency of the Data Lakehouse platform and tools. • Develop training materials and conduct training sessions (in-person, within Bank's premises) for bank staff on using the Platform • Provide training sessions for users and administrators on using the new platform • Develop documentation including user guides, FAQs, and troubleshooting tips • Provide ongoing support and guidance to ensure staff proficiency • Provide technical, functional, operational, and user-level training to Bank staff at the Bank's premises, as and when required by the Bank, during the contract period. • Deliver user manuals, system requirement documents, system procedure manuals, business requirement documents, implementation methodology, architecture documentation, UAT scenarios, test cases, and sign-off documentation during the contract period.	6.16.1 Training • Training shall cover all the technical aspects to ensure staff proficiency of the Data Lakehouse platform and tools. • Develop training materials and conduct training sessions with Bank agreed premises and modes i.e. in-person, hybrid for bank staff. • Develop documentation including user guides, FAQs, and troubleshooting tips • Provide ongoing support and guidance to ensure staff proficiency • Provide technical, functional, operational, and user-level training to Bank staff, as and when required by the Bank, during the contract period. • Deliver user manuals, system requirement documents, system procedure manuals, business requirement documents, implementation methodology, architecture documentation, UAT scenarios, test cases, and sign-off documentation during the contract period. • Training shall include hands-on, role-based, classroom-style with labs, assignments, sandbox access, and practical exercises. Minimum 40 hours of hands-on technical training per role (Data Engineer, MLOps, AI Engineer, Admin, BI Developer, etc.).

			• Training shall include hands-on, role-based, classroom-style with labs, assignments, sandbox access, and practical exercises. Minimum 40 hours of hands-on technical training per role (Data Engineer, MLOps, AI Engineer, Admin, BI Developer, etc.).	• Training and knowledge transfer shall cover Admin, Developer and Business user tracks related to all the products quoted to meet the scope of the RFP to the identified users by the Bank. • Participant counts, batch size and training topics will be finalized by Bank during project kickoff in consultation with the SI/Bidder. • SI/Bidders should propose a scalable training plan. ~50 resources depending upon bank needs training assisted by OEM, driven by SI.
19	Addition	6.4.2.3 Page No. 30	Change Data Capture	The Bank currently holds perpetual CDC licenses configured for the Core Banking System and the Bank's existing Data Warehouse platform. These licenses are not available for Mobile Banking, UPI applications, or any additional source systems that may be required to be onboarded to the proposed Data Lakehouse platform. If the bidder proposes to leverage the Bank's existing CDC licenses, the bidder shall assume full responsibility for managing and maintaining the associated Annual Technical Support (ATS) / Annual Maintenance Contract (AMC) from Day 0 of the contract until decommissioning of legacy DWH, or contract end, whichever earlier. All costs associated with ATS/AMC for such licenses shall be borne by the bidder and must be factored into the commercial bid.

				The bidder shall also procure, provision, configure, and maintain any additional CDC licenses required for onboarding Mobile Banking, UPI, or any other source systems as part of the proposed solution, including the applicable ATS/AMC for the entire contract period. No additional cost shall be claimed from the Bank for these licenses beyond what has been quoted in the bidder's commercial proposal and Bill of Materials (BoM). Since the existing CDC setup is currently integrated with the Core Banking System and the Bank's existing Data Warehouse, bidders must account for a coexistence period during the migration and transition phase. During this period, both the existing data platform and the proposed Data Lakehouse platform may operate simultaneously until complete migration and formal decommissioning of the existing platform. The bidder shall ensure that any additional CDC licenses required to support the new platform during this transition period are provisioned and managed by the bidder at no additional cost to the Bank, irrespective of the duration of the transition within the project timeline. For future scalability, if additional CDC licenses are required during the contract period, the Bank reserves the right to procure up to Fifty percent (50%) additional licenses at the same unit one-time cost and recurring cost (including ATS/AMC) quoted by the bidder in the BoM on

<table>
<tr><td></td><td></td><td></td><td></td><td>a year-on-year basis. The bidder shall not revise or increase these commercial rates for procurement.

For procurement of additional licenses beyond the 50% threshold, the pricing shall be mutually agreed between the Bank and the bidder at the time of procurement, provided that such pricing shall not exceed the prevailing market rates or the bidder's standard commercial pricing offered for similar deployments.

The bidder shall ensure that the CDC solution proposed is fully compatible with the Bank's existing platforms, the proposed Data Lakehouse platform, and all required source systems, and shall be responsible for seamless integration, configuration, migration support, and operational continuity throughout the project lifecycle.</td></tr>
<tr><td>20</td><td>Modification</td><td>Project timelines
Page No# 127</td><td>Staggered Hardware Delivery:

Further, the supplied Chassis to be scalable upto 8 GPUs.

<table><tr><td>Year-wise Breakup</td><td>DC</td><td>DR</td><td>Sandbox</td><td>Total</td></tr><tr><td>Year-1</td><td>0</td><td>0</td><td>2</td><td>2</td></tr><tr><td>Year-2</td><td>3</td><td>3</td><td>0</td><td>6</td></tr></table></td><td>Staggered Hardware Delivery:

Bidder may supply the chassis accordingly.

<table><tr><td>Year-wise Breakup</td><td>DC</td><td>DR</td><td>Sandbox</td><td>Total</td></tr><tr><td>Year - 1</td><td>4</td><td>4</td><td>2</td><td>10</td></tr><tr><td>Year -2</td><td>0</td><td>0</td><td>2</td><td>2</td></tr></table>
The Bidder to supply the necessary licenses required for additional GPUs upto fully populated chasis at the same</td></tr>
</table>

				price, for the entire contract period.
21	Modification	6.5.2. Leverage Bank's existing resources	The Bank's available resources, as outlined in the table below, may be utilized by SI to meet the functional and non-functional requirements of the Platform. Oracle Suite of Products Oracle Database Enterprise Edition Oracle Real Application Clusters Oracle Partitioning Oracle Diagnostics Pack Oracle Tuning Pack Oracle Web Logic Suite Oracle Advanced Security Oracle Data Masking and Sub setting Pack Oracle Advance Data Guard	Bidders are required to include the commercial quotation for the Oracle licenses (ULA) referenced under Section 6.5.2 – "Leverage Bank's Existing Resources" as part of their Commercial Bid, covering both one-time and recurring costs. Additionally, bidders must provide the corresponding component details within the Software Bill of Materials (SBOM). The Bank reserves the right, at its discretion, to provision these Oracle licenses through its existing ULA at a later stage. In such a scenario, the Total Cost of Ownership (TCO) will be suitably adjusted based on the commercial values quoted by the bidder for the respective licenses. • This applies to hardware, software/licenses/ subscriptions, and associated implementation/installation activities that are explicitly linked to those items. If the Bank decides not to procure any hardware from the SI (e.g., hardware procured directly by the Bank or provided otherwise), the SI's TCO shall be reduced by the hardware and hardware-linked charges, and the SI shall remain responsible for integration, certification, and

				implementation as per the scope, subject to a mutually agreed delivery plan and dependencies.
22	Addition	RFP Clause# 6.14.1 Page No# 110	Compliance with Data Protection Regulations	The Data Lakehouse Platform should be able to integrate with the Bank's Consent Management Solution.
23	Addition	Annexure 32 Page#363	Projected Volumetric	Please refer to the additional categories of Projected Volumetric in Table No#6.
24	Modification	RFP Clause#10 Page No# 131	Liquidated Damage: A. Delay Penalty for Migration Completion Initial Rate: The penalty shall commence 0.1% of the Sub Total (Item J in Section 19) for each full week of delay during the first four (4) weeks following the agreed completion date. B. Penalty for Delay in Production Deployment and Use Case Sign-Off for Each Wave Initial Rate: The penalty shall commence 0.1% of the Sub Total (Item J in Section 19) for each full week of delay during the first four (4) weeks following the agreed completion date.	Liquidated Damage: A. Delay Penalty for Migration Completion Initial Rate: The penalty shall commence 0.1% of the TCO for each full week of delay during the first four (4) weeks following the agreed completion date. B. Penalty for Delay in Production Deployment and Use Case Sign-Off for Each Wave Initial Rate: The penalty shall commence 0.1% of the TCO for each full week of delay during the first four (4) weeks following the agreed completion date.
25	Modification	RFP Clause# 6.5.5 Page No#62	Infrastructure Sizing and Design Storage Solutions: Primary Storage (SSD, HDD), Data Lakehouse Storage, Backup and Recovery, Archival Storage, Data Tiering	Please refer to Corrigendum-2 – Serial No#1

26	Modification	Annexure-9 Page No# 257	Integrity Pact – Section 11 –Fall Clause The BIDDER/SELLER/CONTRACTOR/SERVICE PROVIDER undertakes that it has supplied/is not supplying same/exact product/systems or subsystems/services (i.e. same scope, deliverables, timelines, SLAs & pricing terms) at a price lower than that offered in the present bid to any other Bank or PSU or Government Department or to any other organization/entity whether or not constituted under any law and if it is found at any stage that similar product/systems or sub systems/services was supplied by the BIDDER/SELLER/CONTRACTOR/SERVICE PROVIDER to any other Bank or PSU or Government Department or to any other organization/entity whether or not constituted under any law, at a lower price, then that very price, with due allowance for elapsed time, will be applicable to the present case and the difference in the cost would be refunded by the BIDDER/SELLER/CONTRACTOR/SERVICE PROVIDER to the BUYER, if the contract has already been concluded	Integrity Pact – Section 11 –Fall Clause The BIDDER/SELLER/CONTRACTOR/SERVICE PROVIDER undertakes that it has supplied/is not supplying same/exact product/systems or subsystems/services (i.e. similar scope, deliverables, timelines, SLAs & pricing terms) at a price lower than that offered in the present bid to any other Bank or PSU or Government Department or to any other organization/entity whether or not constituted under any law and if it is found at any stage that same/exact product/systems or sub systems/services was supplied by the BIDDER/SELLER/CONTRACTOR/SERVICE PROVIDER to any other Bank or PSU or Government Department or to any other organization/entity whether or not constituted under any law, at a lower price, then that very price, with due allowance for elapsed time, will be applicable to the present case and the difference in the cost would be refunded by the BIDDER/ SELLER/ CONTRACTOR/ SERVICE PROVIDER to the BUYER, if the contract has already been concluded

27	Addition	RFP Clause# 6.5.5 Page No# 63 & Non-FR# 368 Page No# 306	Infrastructure Sizing and Design: Environment-wise sizing guidance: • Data Centre (DC): 100% of production capacity • Disaster Recovery Centre (DRC): 100% of production capacity • User Acceptance Testing (UAT): minimum 30% of production capacity • Development (Dev): minimum 10% of production capacity • o Sandbox: minimum 10% of production capacity	Infrastructure Sizing and Design: Environment-wise sizing guidance: • Data Centre (DC): 100% of production capacity • Disaster Recovery Centre (DRC): 100% of production capacity • User Acceptance Testing (UAT): minimum 30% of production capacity • Development (Dev): minimum 10% of production capacity • Sandbox: minimum 10% of production capacity • The solution shall provision three distinct environments: (i) Production, (ii) Sandbox, and (iii) Non-Production (DEV, SIT, UAT, Performance, Regression Testing). • Production environment shall be physically isolated from both Sandbox and Non-Production environments, including separate compute, storage, and network security zones. • Sandbox environment shall be physically and network-segregated from Production and shall not share compute or storage infrastructure with the Production environment. • Non-Production environments (DEV, SIT, UAT, Performance, Regression Testing) may be hosted on shared physical infrastructure; however, they must be

				logically segregated using virtualization/container isolation, network segmentation, and strict role-based access controls. • No direct connectivity shall exist between Production, Sandbox, and Non-Production environments except through controlled, firewall-governed, and auditable access mechanisms. • Data movement between environments shall be governed by approved change management processes and must comply with masking/encryption/anonymization requirements wherever production data is used outside Production. • Administrative access, identity domains, monitoring systems, and backup mechanisms for Production shall be segregated from Sandbox and Non-Production environments.
28	Modification	6.4.6.7.10 Page No# 47	No-code Agentic AI Platform o A No-Code Agentic AI Platform shall be provided to design and deploy agentic workflows without coding. o The platform must include a drag-and-drop visual builder to connect LLMs, APIs, databases, and tools. o Support creation of multi-agent workflows, reusable templates, and role- based execution.	No-code / low-code Agentic AI Platform o A No-Code/ Low-code Agentic AI Platform shall be provided to design and deploy agentic workflows without coding/minimal coding. o The platform must include a drag-and-drop visual builder to connect LLMs, APIs, databases, and tools. o Support creation of multi-agent workflows, reusable templates, and role- based execution. o Enable prompt and RAG (retrieval-augmented generation) design visually.

			o Enable prompt and RAG (retrieval-augmented generation) design visually. Even though this capability is required in the Data /Gen AI Platform, the SI / Bidder has to develop each of the related Use cases independently using Best Practices.	o No Code/ Low-code extensibility/customization is permitted (APIs/scripts/plugins) as per business needs; bidder may propose an equivalent tool. All components must be enterprise supported. Even though this capability is required in the Data /Gen AI Platform, the SI / Bidder has to develop each of the related Use cases independently using Best Practices.
29	Modification	RFP Clause# 8 Page No# 121	Acceptance Test and UAT sign off on implementation of Gen AI capabilities 1.UAT Sign-off (AI/GenAI): Formal approval by the Bank confirming successful completion of all UAT for the implemented AI/GenAI use cases	Acceptance Test and UAT sign off on implementation of Gen AI capabilities 1.UAT Sign-off (AI/GenAI): Formal approval by the Bank confirming successful completion of all UAT for the implemented AI/GenAI capabilities
30	Modification	6.5.10 Page No# 64	Additional Requirements Ensure that all goods supplied under the contract are fully insured against loss or damage during transportation, storage and assembly.	Additional Requirements Ensure that all goods supplied under the contract are fully insured against loss or damage during transportation till the date of Acceptance by the Bank Insurance will be done by the bank, starting from the date of acceptance post installation of the equipment within the aligned timelines and premises decided by the bank

31	Modification	Annexure 12 Non -FR#4 Page No# 272	Data Source Provide connectors to enable seamless integration with multiple data sources such as APIs, relational and non -relational databases, file - based systems, IoT devices, APIs, files, CDC, ETL, Kafka, SFTP/MFT, Message Brokers and	Data Source Provide connectors to enable seamless integration with multiple data sources such as APIs, relational and non - relational databases, file - based systems, IoT devices, APIs, files, CDC, ETL, Kafka, SFTP/MFT, Message Brokers, etc
32	Modification	Annexure 23 Page No#341	Software Bill of Material (SBOM) Format	For Modified Software Bill of Material (SBOM) Format, please refer to the Table No# 7
33	Addition	Clause No# 1 Page No# 15	Eligibility Criteria	All supporting documents and credentials submitted by the bidder for qualification/eligibility should be valid before/ as on the Bid Submission Date.
34	Addition	Clause No# 17 Page No#141	Evaluation Process	All supporting documents and credentials submitted by the bidder for qualification/eligibility should be valid before/ as on the Bid Submission Date.
35	Addition	Clause No#19 Page No# 163	Payment Terms	Please refer Table No#8 for updated Payment Terms
36	Modification	Clause No# 6.8 Page No# 88	Implementation of use cases Key Performance Indicators (KPIs) will be defined for all use cases; however, adherence to the KPIs for 11 of these use cases will be linked to payment milestones.	Implementation of use cases Payment milestones linked with KPIs implementation of use cases stands deleted. However, at the time of implementation Bank will detail out the Use cases, Means and Methods to achieve Measurable Business impact for each use case, e.g.

				Productivity, Revenue Growth, Customer Experience, etc. in consultation with the successful bidder.
37	Modification	Clause No#3 Page No# 19	Performance Bank Guarantee (PBG) As mentioned above, the Successful SI/Bidder will furnish an unconditional and irrevocable Performance Bank Guarantee (PBG) from scheduled commercial Bank other than Central Bank of India, in the format given by the Bank in for Performance Bank Guarantee, for 5 % of the total project cost valid for 66 months, (5 years for total project period plus 6 months for claim period) validity of PBG starting from its date of issuance. The PBG shall be submitted within 21 days of the PO acceptance by the SI/Bidder.	Performance Bank Guarantee (PBG) As mentioned above, the Successful SI/Bidder will furnish an unconditional and irrevocable Performance Bank Guarantee (PBG) from scheduled commercial Bank other than Central Bank of India, in the format given by the Bank in for Performance Bank Guarantee, for 5 % of the total project cost valid for 75 months, (5 years & 9 months for total project period plus 6 months for claim period) validity of PBG starting from its date of issuance. The PBG shall be submitted within 21 days of the PO acceptance by the SI/Bidder.
38	Modification		SPSS Application Used to perform statistical analyses and build models without extensive coding Developed using IBM SPSS. SI to conduct a situation assessment to determine whether the application needs to be migrated or sunset in the target end state. Regardless, all Operational Analytics models must be re-developed or migrated to the target-state analytics platform and operationalized with equal or improved performance.	SPSS Application Bidder to migrate the model developed in SPSS to the Target platform. SPSS will not be continued by bank

39	Modification	Annexure -2 Page No# 216	Commercial Bill of Material	Only changes in the Bill of Material (BOM) are mentioned below in the Table 9.a, 9.b & 9.c of the corrigendum-2. Remaining all sheets of BOM remain the same and Bidder to fill all the remaining sheets along with the 3 changes tables as given in the excel form BoM in GeM portal.	
				Table 9.a	Revised **Table A - Cost of Summary**
				Table 9.b	Revised **Table B - SOFTWARE COST (DC, DR, Dev, UAT, Sandbox)**
				Table 9.c	**Table K - Sub-Total of KPI adherence for Early Migration & Use cases – Stands deleted**

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Table 1 : Retention Period

#	Data layer	Examples of data types	Data size	Hot tier (NVMe)	Non-Hot (Object Storage)	Total Retention
1	Landing stage	Inbound raw extracts / uploaded files (incl. docs, mp3 files)	High/Varies	3 months	0	3 months

2	Source layer	Records / Documents (KYC evidence, agreements, signed docs, statements if applicable)	High	1 year	9 years	10 years
3	Source layer	Event tables/ AI decision/ Prompt logs	Highest	2 years	5 years	7 years
4	Source layer	Master + reference (customer/account/product/reference) with historised snapshots + Transactions + Ledger	High	3 years	7 years	10 years
5	Source layer	System (APM) + security logs (platform, app, access, job logs)	Medium/High	1 year	1 year	2 years
6	Curated layer	Curated reporting tables (cleaned, conformed)	Medium	5 years	2 years	7 years
7	Usage Optimized/ Consumption layer	BI/analytics marts + feature tables with PII	Medium	3 years	2 years	5 years
8	Usage Optimized/ Consumption layer	Aggregated / anonymised datasets (no direct identifiers)	Low/Medium	5 years	5 years	10 years
9	Streaming Platform	-	Medium	15 days	0	15 days
Backup will be kept tentatively for e.g., decision logs, metadata, master data, configuration files. Final list will be aligned with successful vendor post on-boarding during implementation. Final retention aligned to Bank policy.						

Table 2.a - Query Performance SLA				**Original**	**Revised** Query Definition on **Usage optimized and Curated Layer**
Query Category	**Query Complexity**	**Data Volume (Base → Result)**	**Result Size Range**	**Performance SLA**	**Performance SLA**
Simple Query-1	2–3 table joins with Primary Index	1 crore → 25,000 records	10 MB – 10 GB	≤ 10 seconds (2000 concurrent connections)	≤ **20 seconds** (550 concurrent users -50 adhoc query users+ 500 concurrent BI users, Apart from ETL workload)
Simple Query-2	2–3 table joins with Primary Index	30 crores → 10 crores records	10 MB – 100 GB	≤ 30 seconds (2000 concurrent connections)	≤ **40 seconds** (550 concurrent users -50 adhoc query users+ 500 concurrent BI users, Apart from ETL workload)
Moderate Query-1	3–4 table joins with interim spool (10–50 crores), sort & group by	50 crores → 10 crores records	100 GB – 500 GB	≤ 48 seconds (2000 concurrent connections)	≤ **48 seconds** (550 concurrent users -50 adhoc query users+ 500 concurrent BI users, Apart from ETL workload)
Complex Query-1	4–5 table joins with/without spool (≥50 crores), sort & group by	≥50 crores → 10 crores records	100 GB – 500 GB	≤ 2.5 minutes (2000 concurrent connections)	≤ **2.5 minutes** (550 concurrent users -50 adhoc query users+ 500 concurrent BI users, Apart from ETL workload)

Complex Query-2	>5 table joins with spool (≥50 crores), includes 1 table of 3650 crores	≥50 crores → 30 crores records	500 GB – 5 TB	≤ 10 minutes (2000 concurrent connections)	≤ **10 minutes** (550 concurrent users -50 adhoc query users+ 500 concurrent BI users, Apart from ETL workload)
Complex Query-3	>5 table joins with spool (≥50 crores)	≥50 crores → 50 crores records	100 GB – 5 TB	≤ 30 minutes (2000 concurrent connections)	≤ **30 minutes** (550 concurrent users -50 adhoc query users+ 500 concurrent BI users, Apart from ETL workload)

Table No# 2.b GenAI SLAs	
Parameter	**Target values**
TTFT P95	1-1.5 sec
TTFT P99	1.8-2.5 sec

Table 3: Project Timelines Original Vs Revised:

	Original	**Revised**

Milestone	Timeline (Weeks from Date of Acceptance of PO)	Timeline (Weeks from Date of Acceptance of PO)
Project Planning and Kickoff	2	2
Low-Level Design (LLD) – Lakehouse Platform	8	8
Low-Level Design (LLD) – AI / Gen AI Capabilities	8	8
Delivery of On-Prem Hardware	8	26
Delivery of Software	8	
Installation of On-Prem Hardware	12	
Completion of Hardware and Software Installation and Commissioning for All Environments	16	
Acceptance Test and UAT Sign-off for Lakehouse Platform Implementation	24	30
Acceptance Test and UAT Sign-off for AI/Gen AI Capabilities Implementation	28	32
Completion of Compliance to IS Audit / VAPT for the Solution	32	33
Production Deployment and Sign-off for Lakehouse Platform	34	34
Production Deployment and Sign-off for AI/Gen AI Capabilities	36	36
Facility Management Support (FMS) Commencement	Within 2 Weeks from Confirmation by the Bank	No Change
Migration		
Design and Define Migration Strategy from Existing DWH to Target Lakehouse Platform	10	10

Acceptance Test and UAT Sign-off for Migration from Existing DWH Infrastructure	36	40
Production Deployment and Sign-off for Migration from Existing DWH Infrastructure	38	44
Use Case		
Low-Level Design for Wave 1 Use Cases	32	32
Low-Level Design for Wave 2 Use Cases	42	42
Acceptance Test and UAT Sign-off for Wave 1 Use Cases	48	48
Production Deployment Sign-off for Wave 1 Use Cases	50	50
Low-Level Design for Wave 3 Use Cases	52	52
Acceptance Test and UAT Sign-off for Wave 2 Use Cases	58	58
Production Deployment Sign-off for Wave 2 Use Cases	60	60
Low-Level Design for Wave 4 Use Cases	60	60
Acceptance Test and UAT Sign-off for Wave 3 Use Cases	70	70
Production Deployment Sign-off for Wave 3 Use Cases	72	72
Acceptance Test and UAT Sign-off for Wave 4 Use Cases	78	78
Production Deployment Sign-off for Wave 4 Use Cases	80	80
Important Note: *The deliverables against each milestone remains as is, as mentioned in the RFP. Use case development shall start earlier than Week 50 and shall not be deferred until production readiness. The Bidder shall begin analysis and design immediately upon mobilization and shall begin build activities upon availability of the lower environments (DEV/SIT/UAT, as applicable)*		

Table 4.a of Corrigendum				
Table 1.1.1.10	**Original**		**Revised**	
S.No	**Criteria**	**Marks**	**Criteria**	**Marks**
2.e.1	Walkthrough (Detailed Case Study) of at least **two** references for implementation or under Implementation for atleast 1 year of similar nature (Data Lakehouse/ Data Warehouse) and size (minimum 1PB) in BFSI sector, RBI, NSE, BSE, Central Government organization like CBDT, GST, Income Tax etc in India, hosted *preferably* on premises, highlighting the technology architecture, methodology, team structure, timelines and KPIs delivered.	25 marks per Implementation	Walkthrough (Detailed Case Study) of at least two references for implementation or under Implementation for atleast 1 year of similar nature (Data Lakehouse/ Data Warehouse) in BFSI sector, RBI, NSE, BSE, Central Government organization like CBDT, GST, Income Tax etc in India, hosted preferably on premises, highlighting the technology architecture, methodology, team structure, timelines and KPIs delivered. The walkthrough will be assessed on various aspects e.g., architecture maturity, deployment scale, implementation methodology, scale and complexity of implementation, team structure and governance, adherence to implementation timelines, cross system integration, inter-operability, future readiness, operational success etc.	Maximum 25 marks per implementation

Table 4.a of Corrigendum				
Table 1.1.1.10	**Original**		**Revised**	
S.No	**Criteria**	**Marks**	**Criteria**	**Marks**
	Total Marks	**50**	**Total Marks**	**50**

Table 4.b of Corrigendum						
Table 1.1.1.1	**Original**			**Revised**		
#	Criteria	Marks		Criteria	Marks	
	Criteria	**Implementation or Under Implementation in BFSI sector, RBI, NSE, BSE, Central Government organisation like CBDT, GST, Income Tax etc in India**			**Implementation or Under Implementation in BFSI sector, RBI, NSE, BSE, Central Government organisation like CBDT, GST, Income Tax etc in India**	
		Count of Implementations / Credentials	**Total Score**		**Count of Implementations / Credentials**	**Total Score**
1.a.i	**Platform Setup for Data**					

Table 4.b of Corrigendum						
Table 1.1.1.1	**Original**			**Revised**		
#	Criteria	Marks		Criteria	Marks	
	Criteria	**Implementation or Under Implementation in BFSI sector, RBI, NSE, BSE, Central Government organisation like CBDT, GST, Income Tax etc in India**			**Implementation or Under Implementation in BFSI sector, RBI, NSE, BSE, Central Government organisation like CBDT, GST, Income Tax etc in India**	
		Count of Implementations / Credentials	**Total Score**		**Count of Implementations / Credentials**	**Total Score**
1	**<u>On-Premises Data Lakehouse Platform Implementation</u>** Successful completion OR under implementation for more than one year of an **on-premises Data Lakehouse / Data Lake implementation (minimum size 100 TB)** encompassing end-to-end infrastructure setup and other activities like implementation of tools, design and		30 marks per implementation Subject to Max 60 marks	No Change in Criteria	Maximum 2 credentials total for this section	Size >= 100 TB 30 marks per implementation Size <100TB && >=25TB 15 marks per implementation

Table 4.b of Corrigendum						
Table 1.1.1.1	**Original**			**Revised**		
#	Criteria	Marks		Criteria	Marks	
	Criteria	**Implementation or Under Implementation in BFSI sector, RBI, NSE, BSE, Central Government organisation like CBDT, GST, Income Tax etc in India**			**Implementation or Under Implementation in BFSI sector, RBI, NSE, BSE, Central Government organisation like CBDT, GST, Income Tax etc in India**	
		Count of Implementations / Credentials	**Total Score**		**Count of Implementations / Credentials**	**Total Score**
	implementation of data ingestion and processing pipelines, execution of ETL/ELT processes, establishment of data governance frameworks, implementation of security measures, integration of data access mechanisms, and development of interactive data visualization and reporting solutions					Subject to Max 60 marks for this section

Table 4.b of Corrigendum						
Table 1.1.1.1	**Original**			**Revised**		
#	Criteria	Marks		Criteria	Marks	
	Criteria	**Implementation or Under Implementation in BFSI sector, RBI, NSE, BSE, Central Government organisation like CBDT, GST, Income Tax etc in India**			**Implementation or Under Implementation in BFSI sector, RBI, NSE, BSE, Central Government organisation like CBDT, GST, Income Tax etc in India**	
		Count of Implementations / Credentials	**Total Score**		**Count of Implementations / Credentials**	**Total Score**
2	**<u>On Prem Data Warehouse Platform Implementation</u>** Successful completion OR under implementation for more than one year of a **On premise Data warehouse implementation (minimum size 500 TB)**, encompassing end-to-end infrastructure setup, implementation of tools, design and implementation of data ingestion and processing pipelines, execution of		20 marks per implementation Subject to Max 40 marks	No Change in Criteria	Maximum 2 credentials total for this section	Size >= 500 TB 20 marks per implementation Size <500TB && >=50TB 10 marks per implementation

Table 4.b of Corrigendum						
Table 1.1.1.1	**Original**			**Revised**		
#	Criteria	Marks		Criteria	Marks	
	Criteria	**Implementation or Under Implementation in BFSI sector, RBI, NSE, BSE, Central Government organisation like CBDT, GST, Income Tax etc in India**			**Implementation or Under Implementation in BFSI sector, RBI, NSE, BSE, Central Government organisation like CBDT, GST, Income Tax etc in India**	
		Count of Implementations / Credentials	**Total Score**		**Count of Implementations / Credentials**	**Total Score**
	ETL/ELT processes, establishment of data governance frameworks, implementation of security measures, integration of data access mechanisms, and development of interactive data visualization and reporting solutions					Subject to Max 40 marks for this section
1.a.ii.	**Platform Setup for Analytics and AI/GenAI**					

Table 4.b of Corrigendum						
Table 1.1.1.1	**Original**			**Revised**		
#	Criteria	Marks		Criteria	Marks	
	Criteria	**Implementation or Under Implementation in BFSI sector, RBI, NSE, BSE, Central Government organisation like CBDT, GST, Income Tax etc in India**			**Implementation or Under Implementation in BFSI sector, RBI, NSE, BSE, Central Government organisation like CBDT, GST, Income Tax etc in India**	
		Count of Implementations / Credentials	**Total Score**		**Count of Implementations / Credentials**	**Total Score**
1	**<u>On-Prem Platform Setup for Analytics</u>** Successful implementation OR under implementation for more than one year of an **on-premises** hosted **Enterprise Platform**, incorporating **Advanced Analytics** capabilities along with **ML Model**, designed to deliver high-performance data processing, intelligent decision-making, and seamless		10 marks per implementation Subject to Max 20 marks	**<u>On-Prem Platform Setup for AI/ Analytics</u>** Successful implementation OR under implementation for more than one year of an on-premises hosted Enterprise Platform, incorporating Advanced Analytics capabilities along with ML Model, designed to deliver high-performance data processing, intelligent decision-making, and	Maximum 2 credentials for this section	10 marks per implementation Subject to Max 20 marks

Table 4.b of Corrigendum						
Table 1.1.1.1	**Original**			**Revised**		
#	Criteria	Marks		Criteria	Marks	
	Criteria	**Implementation or Under Implementation in BFSI sector, RBI, NSE, BSE, Central Government organisation like CBDT, GST, Income Tax etc in India**			**Implementation or Under Implementation in BFSI sector, RBI, NSE, BSE, Central Government organisation like CBDT, GST, Income Tax etc in India**	
		Count of Implementations / Credentials	**Total Score**		**Count of Implementations / Credentials**	**Total Score**
	integration with existing enterprise systems.			seamless integration with existing enterprise systems.		
2	**<u>On prem/cloud Platform Setup for AI/Gen AI / Agentic AI</u>** Successful implementation OR under implementation for more than one year of an **on – premises/cloud based**		a) 10 marks per implementation Subject to Max 20 marks b)5 marks per implementation	**<u>On prem/cloud Platform Setup for Gen AI / Agentic AI</u>** Successful implementation OR under implementation for more than one year of an on – premises/cloud-	Maximum 2 credentials total for this section	a) 15 marks per Successful implementation

Table 4.b of Corrigendum

Table 1.1.1.1	**Original**			**Revised**		
#	Criteria	Marks		Criteria	Marks	
	Criteria	**Implementation or Under Implementation in BFSI sector, RBI, NSE, BSE, Central Government organisation like CBDT, GST, Income Tax etc in India**			**Implementation or Under Implementation in BFSI sector, RBI, NSE, BSE, Central Government organisation like CBDT, GST, Income Tax etc in India**	
		Count of Implementations / Credentials	**Total Score**		**Count of Implementations / Credentials**	**Total Score**
	enterprise platform, **for AI/Generative AI (GenAI) / Agentic AI functionalities**, designed to deliver high-performance data processing, intelligent decision-making, and seamless integration with existing enterprise systems. a) Successful Implementation of the Platform setup b) Under Implementation of the Platform setup		Subject to Max 10 marks	based enterprise platform for Generative AI (GenAI) / Agentic AI functionalities, designed to deliver high-performance data processing, intelligent decision making, and seamless integration with existing enterprise systems. a) Successful Implementation of the Platform setup		b) 5 marks per Under Implementation Subject to Max 30 marks

Table 4.b of Corrigendum						
Table 1.1.1.1	**Original**			**Revised**		
#	Criteria	Marks		Criteria	Marks	
	Criteria	**Implementation or Under Implementation in BFSI sector, RBI, NSE, BSE, Central Government organisation like CBDT, GST, Income Tax etc in India**			**Implementation or Under Implementation in BFSI sector, RBI, NSE, BSE, Central Government organisation like CBDT, GST, Income Tax etc in India**	
		Count of Implementations / Credentials	**Total Score**		**Count of Implementations / Credentials**	**Total Score**
				b) Under Implementation of the Platform setup References may be on-prem or cloud; the proposed solution for the Bank shall be deployed on-prem		
1.a.iv	**<u>Migration</u>** Successful completion of a comprehensive **migration activities like** seamless transition of **data assets**, **ETL**		10 marks per implementation Subject to Max 40 marks	**<u>Migration</u>** Successful completion of comprehensive migration activities from an existing data platform to a modern,	Maximum 2 credentials for this section	20 marks per implementation Subject to Max 40 marks

Table 4.b of Corrigendum						
Table 1.1.1.1	**Original**			**Revised**		
#	Criteria	Marks		Criteria	Marks	
	Criteria	**Implementation or Under Implementation in BFSI sector, RBI, NSE, BSE, Central Government organisation like CBDT, GST, Income Tax etc in India**			**Implementation or Under Implementation in BFSI sector, RBI, NSE, BSE, Central Government organisation like CBDT, GST, Income Tax etc in India**	
		Count of Implementations / Credentials	**Total Score**		**Count of Implementations / Credentials**	**Total Score**
	Jobs, analytical models, associated workflows etc. from an existing data platform to a modern, on-premises Data Lakehouse or Data Warehouse platform of at least 100 TB implementation size			on-premises Data Lakehouse or Data Warehouse platform. The migration scope includes, for e.g., seamless transition of data assets, ETL/ELT jobs, reporting assets and Datamart's, associated workflows, data pipelines, governance artefacts, and downstream analytics or reporting workloads etc.		

Table 4.c of Corrigendum						
Table 1.1.1.2	**Original**			**Revised**		
#	Criteria	Marks				
	Criteria	**Implementation in BFSI sector, RBI, NSE, BSE, Central Government organisation like CBDT, GST, Income Tax etc in India**		**Criteria**	**Implementation in BFSI sector, RBI, NSE, BSE, Central Government organisation like CBDT, GST, Income Tax etc in India**	
		Count of Implementations / Credentials	**Max Score**		**Count of Implementations / Credentials**	**Max Score**
1.a.vii	**Experience of Implementing the proposed Data Lakehouse Platform** Successful implementation OR under implementation (for more than one year) of the **proposed**	15	30	Experience of Implementing the proposed Data Lakehouse Platform The Bidder shall submit evidence of prior implementation experience with a Data Lakehouse platform that offers features comparable to those proposed in this bid. The Bank will evaluate this experience across the following dimensions:	Maximum 2 credentials for this section	15 marks per implementation Subject to Max 30 marks

Table 4.c of Corrigendum						
Table 1.1.1.2	**Original**			**Revised**		
#	Criteria	Marks				
	Criteria	**Implementation in BFSI sector, RBI, NSE, BSE, Central Government organisation like CBDT, GST, Income Tax etc in India**		**Criteria**	**Implementation in BFSI sector, RBI, NSE, BSE, Central Government organisation like CBDT, GST, Income Tax etc in India**	
		Count of Implementations / Credentials	**Max Score**		**Count of Implementations / Credentials**	**Max Score**
	Lakehouse Platform* in the current bid submitted by the SI/Bidder			1. Deployment scale (used capacity, #data sources, #pipelines, concurrency/throughput) 2. Implementation scope (batch/streaming/CDC ingestion, transformation/curation layers, consumption/BI/API enablement) 3. Integration & migration complexity (legacy ETL/BI migration, ecosystem integrations, IAM/security integration) 4. Governance & compliance (catalogue/metadata, lineage, data quality		

Table 4.c of Corrigendum						
Table 1.1.1.2	**Original**			**Revised**		
#	Criteria	Marks				
	Criteria	**Implementation in BFSI sector, RBI, NSE, BSE, Central Government organisation like CBDT, GST, Income Tax etc in India**		**Criteria**	**Implementation in BFSI sector, RBI, NSE, BSE, Central Government organisation like CBDT, GST, Income Tax etc in India**	
		Count of Implementations / Credentials	**Max Score**		**Count of Implementations / Credentials**	**Max Score**
				controls, RBAC/rows-column security, audit/logging) 5. Operations & resilience outcomes (HA/DR approach, monitoring/observability, stability and SLA achievement in production) Evidence requirements (SI-led):		

Table 4.c of Corrigendum						
Table 1.1.1.2	**Original**			**Revised**		
#	Criteria	Marks				
	Criteria	**Implementation in BFSI sector, RBI, NSE, BSE, Central Government organisation like CBDT, GST, Income Tax etc in India**		**Criteria**	**Implementation in BFSI sector, RBI, NSE, BSE, Central Government organisation like CBDT, GST, Income Tax etc in India**	
		Count of Implementations / Credentials	**Max Score**		**Count of Implementations / Credentials**	**Max Score**
				The Bidder shall submit any one of the below mentioned verifiable proof of SI delivery for the reference implementation(s), such as: • Customer reference letter / Go-Live / Completion / Acceptance certificate confirming SI's role and scope (redacted copies acceptable) • Extract of PO/SOW/contract (redacted) clearly evidencing SI responsibilities (implementation + management/operations, if applicable)		

Table 4.c of Corrigendum						
Table 1.1.1.2	**Original**			**Revised**		
#	Criteria	Marks				
	Criteria	**Implementation in BFSI sector, RBI, NSE, BSE, Central Government organisation like CBDT, GST, Income Tax etc in India**		**Criteria**	**Implementation in BFSI sector, RBI, NSE, BSE, Central Government organisation like CBDT, GST, Income Tax etc in India**	
		Count of Implementations / Credentials	**Max Score**		**Count of Implementations / Credentials**	**Max Score**
				• A structured case study / walkthrough on SI/Bidder's Company Letter Head stamped and signed by Authorised Signatory covering the five dimensions above, including architecture overview, scope delivered, timelines, and measurable outcomes • Customer reference contact details for verification/reference check (Bank reserves the right to validate references) Marks shall be awarded based on the completeness and strength of evidence across these dimensions,		

Table 4.c of Corrigendum						
Table 1.1.1.2	**Original**			**Revised**		
#	Criteria	Marks				
	Criteria	**Implementation in BFSI sector, RBI, NSE, BSE, Central Government organisation like CBDT, GST, Income Tax etc in India**		**Criteria**	**Implementation in BFSI sector, RBI, NSE, BSE, Central Government organisation like CBDT, GST, Income Tax etc in India**	
		Count of Implementations / Credentials	**Max Score**		**Count of Implementations / Credentials**	**Max Score**
				subject to the maximum marks defined for this criterion.		

Table 5.a : Payment Terms Serial No# K				
Original				**Revised**
	Category		in INR	
K	***Sub Total**	**Sub Total for the entire duration of the contract** Hardware Cost + Software Cost+ Implementation of Lakehouse platform + Implementation of AI/GenAI capabilities + Migration Cost + Implementation Cost		Stands Deleted

		of Use Cases + ATS for Software and AMC for Hardware + Facility Management Services + Training and Knowledge Transfer + Change Request		

Table 5.b : Payment Terms Serial No# K				
Original				**Revised**
	Category	**Milestone**	**% of 'Sub Total'**	
K	**KPI adherence for early Migration**	Paid on achieving Migration milestone at least 1 month prior to the stipulated timelines	2.5 %	Stands Deleted
	KPI adherence for Use cases	Sign-off on Demonstrated KPI[2] adherence[3] (applicable for 2[1] out of 5 use cases), following sign off on the Production Go-Live of Wave 1 use cases (5 in total), by the Bank.	0.5% [4]	
		Demonstrated KPI[2] adherence[3], following Production Go-Live of Wave 2 use cases (5 in nos), and sign-off by the Bank (for 2[1] out of 5 use cases)	0.5% [4]	
		Demonstrated KPI[2] adherence[3], following Production Go-Live of Wave 3 use cases (5 in nos), and sign-off by the Bank (for 2[1] out of 5 use cases)	0.5% [4]	
		Demonstrated KPI[2] adherence[3], following Production Go-Live of Wave 4 use cases (6 in nos), and sign-off by the Bank (for 4[1] out of 6 use cases)	1% [5]	
		1. The SI will have the option to select use cases from the list of use cases for a particular wave, to which KPI measurement will apply, before the start of the wave's implementation. 2. The KPI for the use case, focused on quantifiable business results, will be jointly defined by the Bank and the SI before the start of the wave's implementation. The SI will be responsible for developing a mechanism to automatically measure and visualize KPI adherence before the production		

		go-live of the use case. 3. **KPI measurement**: a. KPI measurement will commence from the start of the Calendar month, following the sign off on Production deployment of the use case by the Bank. 4. **Conditional, based on KPI adherence** a. 0.5% - Sign-off by the Bank on demonstrated KPI adherence (applicable to use cases with defined KPIs) within the first 3 calendar months, as per the 'KPI measurement' mechanism outlined above c. 0% - For non-adherence to KPIs beyond 3 calendar months, for use cases with defined KPIs, as per the 'KPI measurement' mechanism outlined above. 5. **Conditional, based on KPI adherence** a. 1% - Sign-off by the Bank on demonstrated KPI adherence (applicable to use cases with defined KPIs) within the first 3 calendar months, as per the 'KPI measurement' mechanism outlined above c. 0% - For non-adherence to KPIs beyond 3 calendar months, for use cases with defined KPIs, as per the 'KPI measurement' mechanism outlined above.	

Table 6: Projected Volumetric			
Sr No#	**Category**	**Current State**	**Projected State**
1	Transaction per second (TPS)	~2867	~7109
2	Events per second (EPS)	~7000-8000	~35000-41000

Table – 7 Software Bill of Material (SBOM) Format

Original									Modified								
S N	**Application Name**	**Software Packages**	**Type of Software (App/Web/DB/ Middleware)**	**Installed Version/ Installed Date**	**Latest Version**	**License Type (Perpetual / Subscription)**	**No. of Licenses/AMC validity**	**OEM /AMC Vendor**	**Application Name**	**Software Packages**	**Type of Software (App/Web/DB/Middleware)**	**Installed Version/ Installed Date**	**Latest Version**	**License Type (Perpetual/ Subscription)**	**No. of Licenses**	**AMC validity**	**OEM/ AMC Vendor**
1																	
2																	
3																	

4																	

Table No# 8 Payment Terms

Original				Modified			
Sr No#	**Category**	**Milestone**	**% of Total AI/GenAI capabilities**	**Sr No#**	**Category**	**Milestone**	**% of Total AI/GenAI capabilities**
		Sign-off on the low-level design document for AI and GenAI frameworks, detailing infrastructure setup, GPU -enabled training environments, model deployment architecture, data pipelines, networking, and Lakehouse integration for efficient AI operations.	5%	**D**	**Implementation of AI/GenAI capabilities (DC, DR, Dev, UAT, Sandbox)**	Sign-off on the low-level design document for AI and GenAI frameworks, detailing infrastructure setup, GPU -enabled training environments, model deployment architecture, data pipelines, networking, and Lakehouse integration for efficient AI operations.	5%
		Sign-off on UAT completion of the AI/GenAI capabilities implementation including operationalized data pipelines, data processing, data governance, data quality, security frameworks, training environments, model	30%			Sign-off on UAT completion of the AI/GenAI capabilities implementation including operationalized data pipelines, data processing, data governance, data quality, security frameworks, training	30%

Table No# 8 Payment Terms

Original				Modified			
Sr No#	**Category**	**Milestone**	**% of Total AI/GenAI capabilities**	**Sr No#**	**Category**	**Milestone**	**% of Total AI/GenAI capabilities**
		deployment architecture, data pipelines, networking, and Lakehouse integration for efficient AI operations				environments, model deployment architecture, data pipelines, networking, and Lakehouse integration for efficient AI operations	
		Sign-off on Production Go Live of the AI/GenAI (including operationalized data pipelines, data processing, data governance, data quality and security frameworks), training environments, model deployment architecture, data pipelines, networking, and Lakehouse integration for efficient AI operations by the Bank	40%			Sign-off on Production Go Live of the AI/GenAI (including operationalized data pipelines, data processing, data governance, data quality and security frameworks), training environments, model deployment architecture, data pipelines, networking, and Lakehouse integration for efficient AI operations by the Bank	40%
		3 months post Sign-off on Production Go-Live of AI/GenAI capabilities implementation and Successful Testing of Switchover	25%			3 months post Sign-off on Production Go-Live of AI/GenAI capabilities implementation and Successful Testing of	25%

Table No# 8 Payment Terms							
Original				Modified			
Sr No#	Category	Milestone	% of Total AI/GenAI capabilities	Sr No#	Category	Milestone	% of Total AI/GenAI capabilities
		from DC to DR and DR to DC by the Bank.				Switchover from DC to DR and DR to DC by the Bank.	

Revised Bill of Material

Table 9.a – Cost Summary									
Sr. No#	Category	Year 1	Year 2	Year 3	Year 4	Year 5	Total Cost	GST	Total Cost w

									ith GST
1	Table A: Hardware Cost	XX	XX				XX	XX	XX
2	Table B: Software Cost (One Time & ATS)	XX	XX	XX	XX	XX	XX	XX	XX
3	Table C: Implementation of Lakehouse Platform (DC, DR, Dev, UAT, Sandbox)	XX					XX	XX	XX
4	Table D: Implementation of AI/GenAI capabilities (DC, DR, Dev, UAT, Sandbox)	XX	XX				XX	XX	XX
5	Table E: Data Migration Cost	XX					XX	XX	XX
6	Table F: Implementation Cost of Use Cases	XX	XX				XX	XX	XX
7	Table G: AMC Cost				XX	XX	XX	XX	XX
8	Table H: Facility Management Services Cost	XX	XX	XX	XX	XX	XX	XX	XX
9	Table I: Training and Knowledge Transfer	XX					XX	XX	XX
10	Table J: Change Request Cost	XX	XX	XX	XX	XX	XX	XX	XX
	Total Yearly Cost	XX	XX	XX	XX	XX	XX	XX	XX

	Total Cost to Ownership TCO		XX
	TCO in words	XXXXXXXXXXXXXXXXX	

*Bidder is expected to quote the cost for each component.
All cost should flow from the respective tabs of this sheet
The Bidder is expected to ensure compliance with the stated guidance.

S.No	Guidelines
	Cost Summary
1	The bidder is expected to quote the costs for all items required for fully complying with the requirements of the RFP and the corrigendum in the respective sections of the price bid. The prices for the respective sections would be deemed to include all components required to successfully utilise the solution.
2	Important notification for the bidders - The Bank requires that the costs associated with the "Implementation Cost of Use Cases" should not be less than 15% of the "Total cost of Ownership". If in case this cost is quoted less than 15% of TCO, then Bank reserves the right to carve out the difference amount from the product cost of Hardware and Software, which will be paid post Successful Implementation of Use Cases
3	Bank will not be responsible for any arithmetic errors in the commercial bid details sheet committed by the bidders. All formulas & arithmetical calculations will be Vendor's responsibility.
4	The bidder is expected to specify the type of licences along with the details with respect to quantity, rate, etc., wherever applicable.
5	In case the bidder includes/combines any line item as part of any other line item in the commercial bid, then this has to be clearly mentioned in the description indicating the line item which contains the combination
6	The bidder has to quote for each line item. If any line item is part of the solution proposed in the RFP response, it has to be referenced. If it is not applicable, then the Bidder has to mention Not Applicable (NA).

7	The Bidder may insert additional line items as applicable based on the solution offered in the respective tabs
8	The Bidders should quote as per the format of Bill of Material ONLY and a masked replica of the Bill of Material should be enclosed in the technical bid.
9	Bidder is required to cover component by component licensing details for each of the software components proposed to CBI
10	The **masked** Bill of Materials which would be submitted as part of the Technical Bill of Material should contain "XX" for ALL the corresponding commercial values that will be present in the unmasked Bill of Material that will be part of the Commercial submission.
11	All amounts in the Bill of Material should be in INR
12	The Bidder should to the extent possible stick to the same structure of the Bill of Material. Hence, the bidder is not expected to delete necessary rows.
13	Any additional items (software, hardware) and services to be procured by the Bank in the future shall be priced on a pro-rata basis, based on the rates specified in the Bill of Material, unless otherwise determined by the Bank at its sole discretion. The Bidder is required to comply with this provision.
14	If the Bidder has not provided a specific quote for any line item listed in the Bill of Material, it shall be deemed that the Bidder has included the cost for such an item within the overall pricing provided in the Bill of Material. No additional charges beyond those specified in the Bill of Material will be payable by the Bank.
15	Bidder is required to submit the commercials during the bid submission and is required to provide the line item wise detailed breakup in the commercial bid.
Table A, B	Hardware & Software
1	The bidder has to quote for each line item. If any line item is part of the solution proposed in the RFP response, it has to be referenced. If it is not applicable, then the Bidder has to mention Not Applicable (NA).
2	The Bidder can insert additional line items as applicable based on the solution offered in the various tabs

3	The hardware type & software type, model, part number, and detailed configuration has to be clearly described in the Description column
4	The Bidder shall provide the maintenance (Warranty & ATS) for entire contract period **and shall be provisioned to extend as mentioned in RFP terms & conditions**
4	The Bidder is required to supply implement and provide warranty & AMC/ATS of the hardware & associated software required for the solution for the tenure of the contract
Table A, B, C, D, E, F	Installation, Implementation & Migration
1	Bidder shall comply to the Installation & commissioning, implementation and Migration scope provided in the RFP
2	Bidder should quote for end-to-end Installation & commissioning, implementation and Migration scope as mentioned in the RFP
3	Activities and functions to be undertaken for installation and implementation of the licensed software should be as per the RFP.
Table G	AMC & ATS
1	Bidder is expected to provide a detailed break up of all products and services that are under the scope as part of the technical bid, in the technical bill of materials i.e. the above format is expected to be replicated for each item to be covered under the scope of facilities management.
2	The AMC, ATS costs for Production DC & DR have to be quoted separately
3	If required, the Bidder has to create additional line items in this section.
4	AMC cost should be quoted minimum 8% of the Hardware Cost and ATS (if any) should be quoted minimum 15% of Software Cost. If applicable AMC/ATS cost is not quoted by the bidder, then bidder will have to re-adjust the equivalent amount from the product cost of Hardware and Software to the AMC/ATS cost without changing the TCO.

Table J	Change Request Cost
1	Bidder is expected to quote for each calendar year
2	For any additional person-days above the 100 person-days, the rate quoted for that year will be considered. i.e. For any additional requirement of person-days and bidder should not make any additions/increase to the yearly rate/charges of the person-days.
3	Bidder to carry forward the unutilized person-days (with same quoted cost) to the subsequent years. No additional cost to be charged to Bank

Table 9.b - Revised Table B

Table B: SOFTWARE COST (DC, DR, Dev, UAT, Sandbox)						**Year 1 Supplied Items**			**Year 2 Supplied Items**			-	-	-	-	-	-	-
S. No	**Make /Model**	**Application Version**	**OEM of the Solution / Software**	**Part Code**	**License Type (Perpetual/ Subscription)**	**License Qty (a1)**	**Unit Cost of License with one year Warranty/ Subscription in Rs. (b1)**	**Total Cost of License with one year Warranty/ Subscription in [c1 = (a1 X b1)]**	**License Qty (a2)**	**Unit Cost of License with one year Warranty/ Subscription in Rs. (b2)**	**Total Cost of License with one year Warranty/ Subscription in [c2 = (a2 X b2)]**	**ATS/ Subscription Cost for 2nd Year in Rs. (d)**	**ATS/Subscription Cost for 3rd Year in Rs. (e)**	**ATS/ Subscription Cost for 4th Ye**	**ATS/ Subscription Cost for 5th Year in Rs. (g)**	**Total Cost for 5 Years in Rs. (c1+c2 +d+e+f +g)**	**GST in Rs**	**Total Cost with GST in Rs.**

														ar in Rs. (f)				
	DATACENTRE																	
1	Data Acquisition - Near Real Time data ingestion (CDC)	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX
2	Data Acquisition - Batch data ingestion	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX
3	Data Acquisition - Stream data	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX

	ingestion																	
4	Data Quality Tool Management Tool	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX
5	Meta Data Management Tool	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX
6	Data Governance Tool	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX
7	Audit Based Control	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX
8	DevOps / MLOps	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX
9	Analytics Tool	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX
10	Analytics Sandbox	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX
11	Reporting & Visualization Tool	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX

12	Customer Data Platform (CDP)	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX
13	ETL tool and it's all components	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX
14	SSL Certificate	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX
15	Zero Trust Tool	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX
	Add more rows for Any other items (Please specify)	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX
	Total - A	**XX**	**XX**	**XX**	**XX**	**XX**	**XX**	**XX**	**XX**	**XX**	**XX**	**XX**	**XX**	**XX**	**XX**	**XX**	**XX**	**XX**
	Disaster Recovery																	

	Centre (DRC)																	
1	Data Acquisition - Near Real Time data ingestion (CDC)	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX
2	Data Acquisition - Batch data ingestion	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX
3	Data Acquisition - Stream data ingestion	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX
4	Data Quality Tool Management Tool	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX
5	Meta Data Manage	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX

	ment Tool																	
6	Data Governance Tool	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX
7	Audit Based Control	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX
8	DevOps / MLOps	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX
9	Analytics Tool	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX
10	Analytics Sandbox	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX
11	Reporting & Visualization Tool	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX
12	Customer Data Platform (CDP)	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX
13	ETL tool and it's all components	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX
14	SSL Certificate	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX

15	Zero Trust Tool	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX
	Add more rows for Any other items (Please specify)	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX
	Total - B	**XX**	**XX**	**XX**	**XX**	**XX**	**XX**	**XX**	**XX**	**XX**	**XX**	**XX**	**XX**	**XX**	**XX**	**XX**	**XX**
	Total A + B	**XX**	**XX**	**XX**	**XX**	**XX**	**XX**	**XX**	**XX**	**XX**	**XX**	**XX**	**XX**	**XX**	**XX**	**XX**	**XX**

SOFTWARE INSTALLATION COST (DC, DR, Dev, UAT, Sandbox)

	Software Cost	Year 1			Year 2 – GenAI Only			Total Installation Cost A + B	GST	TOTAL COST with GST
S. No	Make /Model	Qty (X)	Rate (Y)	Total Cost [A= (X x Y)]	Qty (X)	Rate (Y)	Total Cost [B= (X x Y)]			
	Data Centre (DC)									
1	Data Acquisition - Near Real Time data ingestion (CDC)	XX	XX	XX	XX	XX	XX	XX	XX	XX
2	Data Acquisition - Batch data ingestion	XX	XX	XX	XX	XX	XX	XX	XX	XX
3	Data Acquisition - Stream data ingestion	XX	XX	XX	XX	XX	XX	XX	XX	XX
4	Data Platform including all components	XX	XX	XX	XX	XX	XX	XX	XX	XX
5	Data Quality Tool Management Tool	XX	XX	XX	XX	XX	XX	XX	XX	XX
6	Meta Data Management Tool	XX	XX	XX	XX	XX	XX	XX	XX	XX
7	Data Governance Tool	XX	XX	XX	XX	XX	XX	XX	XX	XX
8	Audit Based Control	XX	XX	XX	XX	XX	XX	XX	XX	XX
9	DevOps/ MLOps/LLMOps	XX	XX	XX	XX	XX	XX	XX	XX	XX
10	Analytics Tool	XX	XX	XX	XX	XX	XX	XX	XX	XX
11	Analytics Sandbox	XX	XX	XX	XX	XX	XX	XX	XX	XX
12	Reporting & Visualization Tool	XX	XX	XX	XX	XX	XX	XX	XX	XX
13	ETL tool and it's all components	XX	XX	XX	XX	XX	XX	XX	XX	XX
14	SSL Certificate	XX	XX	XX	XX	XX	XX	XX	XX	XX
15	Zero Trust Tool	XX	XX	XX	XX	XX	XX	XX	XX	XX

	Any other items (Please specify)	XX	XX	XX	XX	XX	XX	XX	XX	XX
	Total - A			**XX**			**XX**	**XX**	**XX**	**XX**
	Disaster Recovery Centre (DRC)									
1	Data Acquisition - Near Real Time data ingestion (CDC)	XX	XX	XX	XX	XX	XX	XX	XX	XX
2	Data Acquisition - Batch data ingestion	XX	XX	XX	XX	XX	XX	XX	XX	XX
3	Data Acquisition - Stream data ingestion	XX	XX	XX	XX	XX	XX	XX	XX	XX
4	Data Platform including all components	XX	XX	XX	XX	XX	XX	XX	XX	XX
5	Data Quality Tool Management Tool	XX	XX	XX	XX	XX	XX	XX	XX	XX
6	Meta Data Management Tool	XX	XX	XX	XX	XX	XX	XX	XX	XX
7	Data Governance Tool	XX	XX	XX	XX	XX	XX	XX	XX	XX
8	Audit Based Control	XX	XX	XX	XX	XX	XX	XX	XX	XX
9	DevOps/ MLOps/LLMOps	XX	XX	XX	XX	XX	XX	XX	XX	XX
10	Analytics Tool	XX	XX	XX	XX	XX	XX	XX	XX	XX
11	Analytics Sandbox	XX	XX	XX	XX	XX	XX	XX	XX	XX
12	Reporting & Visualization Tool	XX	XX	XX	XX	XX	XX	XX	XX	XX
13	ETL tool and it's all components	XX	XX	XX	XX	XX	XX	XX	XX	XX
14	SSL Certificate	XX	XX	XX	XX	XX	XX	XX	XX	XX
15	Zero Trust Tool	XX	XX	XX	XX	XX	XX	XX	XX	XX
16	Any other items (Please specify)	XX	XX	XX	XX	XX	XX	XX	XX	XX
	Total - B			**XX**			**XX**	**XX**	**XX**	**XX**
	Total- A+B			**XX**			**XX**	**XX**	**XX**	**XX**

- **All amounts in the Bill of Material should be in INR**
- **Software / Application License details (Enterprise-wide Perpetual /Subscription License) of all the Software Applications in the entire solution as per the scope of the RFP**
- **Start date of the subscription license would be from the Go-live of Platform**

Table 9.c

Original					**Revised**
Table K: Sub-Total of KPI adherence for Early Migration & Use cases					Stands Deleted
Sr No#	Description	Total Cost	GST	Total Cost with GST	
1	KPI adherence for Early Migration (2.5% of Sub-Total)	**xx**	**xx**	**xx**	
2	KPI adherence for Use cases (2.5% of Sub-Total)	**xx**	**xx**	**xx**	
3		**xx**	**xx**	**xx**	
4		**xx**	**xx**	**xx**	
	Total	**XX**	**XX**	**XX**	
	Bidder is expected to quote 5% of TCO against the Sub-Total cost				
	All amounts in the Bill of Material should be in INR				

**********End of Document**********