

WEBEL TECHNOLOGY LIMITED

CORRIGENDUM – I

WTL/WBSDC/HPDC/23-24/051 dated 09.01.24

Sl. No.	Section	Clause No.	Page No.	Present Entry	Replaced with
1	A		3	Objective of the Project Establishment of High Performance Data Center Infrastructure at Monibhandar as DC and DR setup at Purulia is an important and necessity for ensure high availability of Database, Security of Database, Scalability of Database, Consolidation of Database and also ensure real time replication of Database between High Performance Data Center infrastructure from WBSDC-Monibhandar to High Performance Data Center Infrastructure at DR setup of Purulia with proper Thee-Data-Center Disaster Recovery and shrinking recovery point objective (RPO), to achieve zero data loss Near zero recovery time objective (RTO), for faster recovery of mission-critical applications like WBIFMS, Commercial Taxes in case of disaster. Proposed High Performance IT infrastructure capacity of Monibhandar and Purulia DR site is being considered as same capacity to ensure shrinking recovery point objective (RPO), to achieve zero data loss Near-zero recovery time objective (RTO), for faster recovery of Applications in case of disaster also 100% replication of Data between WBSDC-Kolkata to DR setup at Purulia.	Objective of the Project Establishment of High Performance Data Center Infrastructure at Monibhandar as DC and DR setup at Purulia is an important and necessity for ensure high availability of Database, Security of Database, Scalability of Database, Consolidation of Database and also ensure replication of Database between High Performance Data Center infrastructure from WBSDC-Monibhandar to High Performance Data Center Infrastructure at DR setup of Purulia with min RPO & RTO for faster recovery of mission-critical applications like WBIFMS, Commercial Taxes in case of disaster. Proposed High Performance IT infrastructure capacity of Monibhandar and Purulia DR site is being considered as same capacity to ensure shrinking recovery point objective (RPO) & recovery time objective (RTO), for faster recovery of Applications in case of disaster also 100% replication of Data between WBSDC-Kolkata to DR setup at Purulia.
2	A		4	Quick application deployment. Instant business insights.	Point to be deleted.
3	A		5	Database Cloud appliance for DB tier – Qty 2 for Monibhandar and Qty. 2 for DR site Purulia.	Database Cloud appliance for DB tier – Qty 1 for Monibhandar and Qty. 1 for DR site Purulia.
4	A		8	<u>Project Management</u> Provide a detailed strategy and work plan for their scope of work including migration to High-performance	<u>Project Management</u> Provide a detailed strategy and work plan for their scope of work including migration to High-performance Database

WEBEL TECHNOLOGY LIMITED

				Database existing Cloud Infrastructure	Cloud Infrastructure
5	A		8	Installation, integration & implementation will be governed by the stated guidelines and associated standards & in line with the scope of work defined in this document. Installation, integration & implementation of all IT hardware components, system software, required tuning of the computing infrastructure including hardware, network, system software, database, application servers and utilities for optimal performances, registration of components with OEM or developer for post installation warranty support are the sole responsibility of the Bidder.	Installation, integration & implementation will be governed by the stated guidelines and associated standards & in line with the scope of work defined in this document. Installation, integration & implementation of all IT hardware components, system software, required tuning of the computing infrastructure including hardware, network, system software, database, and utilities for optimal performances, registration of components with OEM or developer for post installation warranty support are the sole responsibility of the Bidder.
6	A		9	Data Migration: Bidder to implement migration (Data, Application and other related service, job & etc.) from existing On-prem Infrastructure to the new High-performance Database cloud infrastructure. Bidder to implement of replication of data from DC-DR for database replication would be implemented. Post implementation bidder should demonstrate failover & fail-back to proof successful replication implementation. Weekly report on (a) Data sync certification between DC-DR must be submitted on every Monday.	Data Migration: Bidder to implement migration (Data and other DB related service, job & etc.) from existing On-prem Infrastructure to the new High-performance Database cloud infrastructure. Bidder to implement of replication of data from DC-DR for database replication would be implemented. Post implementation bidder should demonstrate failover & fail-back to proof successful replication implementation. Weekly report on (a) Data sync certification between DC-DR must be submitted on every Monday. The bidder shall perform the following activities for around 10 DBs: Data migration. DB creation & partitioning. DB linking to application. DB upgrade. DB tuning & diagnostic. DB management.
7	A		9	Rack Space & other facility WBSDC authority will provide necessary Server Rack space, Cooling, Network Connectivity at WBSDC, Monibhandar (DC) and Purulia DR site for smooth implementation of High Performance Data Center Setup.	Rack Space & other facility WBSDC authority will provide necessary Server Rack space, Cooling, Network Connectivity at WBSDC, Monibhandar (DC) and Purulia DR site for smooth implementation of High Performance Data Center Setup. 2 Nos. 1Gbps P2P link from two different service providers has already been installed between Monibhandar (DC) & DR Purulia for replication of existing Cloud infra of WBSDC. SI

WEBEL TECHNOLOGY LIMITED

					will use the existing 2 Nos. 1Gbps P2P link for necessary replication of proposed infra between DC & DR. Monitoring and maintenance of existing 1Gbps P2P links is managed by the respective service provider and DCO of the DC & DR site
8	A		10	<p>OEM responsibility: Bidder to include confirmation from the respective OEMs for the products / solution proposed by them for the following:</p> <p>a) All product specific compliance information has been certified by the OEM</p> <p>b) OEM has not withheld any information about the product / solution that undermines the objectives of the proposed solution</p> <p>c) After final acceptance of successful installation, commissioning and integration bidder will submit warranty coverage for four years (warranty start date from the date of final acceptance).</p> <p>d) For any change in system part no. / Serial no. of any hardware / software from the time of submission of offer till completion of the contract (for reasons like model changes or replacement systems), bidder should notify the change to the purchaser in written with supporting justification letter from the respective OEM for the change. The Purchaser reserves the right to accept or reject such changes.</p>	<p>OEM responsibility: Bidder to include confirmation from the respective OEMs for the products / solution proposed by them for the following:</p> <p>a) All product specific compliance information has been certified by the OEM</p> <p>b) OEM has not withheld any information about the product / solution that undermines the objectives of the proposed solution</p> <p>c) After final acceptance of successful installation, commissioning and integration bidder will submit warranty coverage for four years (warranty start date from the date of final acceptance).</p> <p>d) For any change in system part no. / Serial no. of any hardware / software from the time of submission of offer till completion of the contract (for reasons like model changes or replacement systems), bidder should notify the change to the purchaser in written with supporting justification letter from the respective OEM for the change. The Purchaser reserves the right to accept or reject such changes.</p> <p>e) If the bidder is offering a subscription model the subscription shall be valid for 4 years & the warranty clauses will not be applicable.</p>
9	A		10	Patch Management: Bidder or Selected SI should conduct periodic patch management as per recommendation from respective OEM and consultation.	Patch Management: Bidder or Selected SI should conduct periodic patch management as per recommendation from respective OEM and consultation. No patch management tools / software's are to be quoted.

WEBEL TECHNOLOGY LIMITED

10	B	15	14	<p>DELIVERY & PROJECT COMPLETION SCHEDULE Within 12 weeks after receiving of final work order. If delivery of materials delayed due to current shortage of semiconductors, competent authority may take necessary permission for additional timeline after receiving of justification.</p> <p>Final Acceptance: After completion of successful installation of delivered materials / Services as per RFP. Stabilization Period: After Final Acceptance of installed materials / Services as per RFP, Installed system (Entire) shall be under stabilization period of minimum two months post Go Live. Go-Live: After two months of stabilization period system may declared Go-Live. 4 years warranty of the entire system will start from the date of Go-Live instead of Final Acceptance.</p>	<p>DELIVERY & PROJECT COMPLETION SCHEDULE Within 12 weeks after receiving of final work order. If delivery of materials delayed due to current shortage of semiconductors, competent authority may take necessary permission for additional timeline after receiving of justification.</p> <p>Final Acceptance: After completion of successful installation of delivered materials / Services as per RFP. Stabilization Period: After Final Acceptance of installed materials / Services as per RFP installed system (Entire) shall be under stabilization period of minimum two months post Go Live. Go-Live: After two months of stabilization period system may declared Go-Live. 4 years warranty of the entire system will start from the date of Final Acceptance.</p>
11	B		18	The SI would be required to provide training on various aspects to enable effective use of the new system to achieve the envisaged outcomes.	The SI would be required to provide training on various aspects to enable effective use of the new system to achieve the envisaged outcomes. 7 Days training (onsite/remote) on daily management of the proposed solution to be offered by the bidder.
12	B		19	The SI is responsible for the Comprehensive maintenance of all components of the project for the Contract period of 5 years from the date of Go-Live.	The SI is responsible for the Comprehensive maintenance of all components of the project for the Contract period of 4 years from the date of acceptance of the platform.
13	B	32	20	SI shall provide a comprehensive warranty and on-site free service warranty for 5 years from the date of Go Live for all equipments & project components.	SI shall provide a comprehensive warranty and on-site free service warranty for 4 years from the date of acceptance of the platform.
14	D	2.2.2	31	Table 2	Table 2- Remains AS-IS. The scope of the RFP is limited to the 2 DB consolidation platforms being asked for. The bidder to choose the relevant SLAs applicable from Table 2.
15	D	2.2.2	31	Individual Server and VM Availability (including the OS, database and web/app servers which are supplied / installed and maintained by SI for hosting the web portal)	Individual Server and VM Availability (including the OS, database and other related items which are supplied / installed and maintained by SI)

WEBEL TECHNOLOGY LIMITED

16	D	2.2.2	31	Connectivity between DC & DR	Connectivity between DC & DR 2 Nos. 1Gbps P2P link from two different service providers has already been installed between Monibhandar (DC) & DR Purulia for replication of existing Cloud infra of WBSDC. Selected SI will use the existing 2 Nos. 1Gbps P2P link for necessary replication of proposed infra between DC & DR. Monitoring and maintenance of existing 1Gbps P2P links is managed by the respective service provider and DCO of the DC & DR site. Selected SI will maintain replication of proposed Infra between DC & DR when existing 1Gbps link between DC & DR is working
17	D		31	Backup Device Availability	No separate Backup device is not required. Backup copy to be kept within the DB consolidation platform only.
18	D	2.2.2	32	LAN Availability (Active and passive Components of WBDC & DR)	LAN Availability (Active and passive Components of WBDC & DR) for proposed Infrastructure only.
19	J	10	44	The solution shall offer automatic built-in database backup facilities, with weekly full backups and daily incremental backups. Copy 1 shall be on the local disk & Copy 2 shall be in the Object Storage service in the public cloud of the same OEM. In-case the bidder plans to offer an On-prem backup solution then, 3 copies are required with a reputed backup software. Copy 1 shall be on Disk Appliance. Copy 2 & 3 shall be on FC based Tape Library. On a weekly basis the set of tapes for Copy 3 shall be vaulted in a secure location in a different seismic zone.	The solution shall offer automatic built-in database backup facilities, with full backup capabilities.
20	J	41	48	The solution shall be designed in a manner of deliver performance within the following ranges as it scales: DB Physical cores – Min 300 - 1000 SQL Read IOPS - Min 4 Mn - 20 Mn SQL Write IOPS - Min 2 Mn – 6 Mn	The solution shall be designed in a manner of deliver performance within the following ranges as it scales: DB Physical cores – Min 300 - 1000 SQL Read IOPS - Min 4 Mn - 20 Mn SQL Write IOPS - Min 2 Mn – 6 Mn

WEBEL TECHNOLOGY LIMITED

			<p>Usable disk space - Min 200TB – 600TB The bidder to offer the solution with the minimum values & ensure scalability to the maximum values.</p>	<p>Usable disk space - Min 200TB – 600TB The bidder to offer the solution with the minimum values & ensure scalability to the maximum values. Production DB size - 40TB Non-Production DB size - 10TB Backup only required for Production DB. Backup copy = 1 full backup to be done on the last Sunday of the month. Backup copy to be kept within the DB consolidation platform only. 1 Full backup copy to be available at any 1 point in time. 2 x 1Gbps ports shall be factored in the cloud of the same OEM for future connectivity.</p>
21	K	50	<p>We also confirm that the products quoted are on our current product list and are not likely to be discontinued within 5 years from the day of this letter. We assure availability of spares for the products for the next three years after four years warranty.</p>	<p>We also confirm that the products quoted are on our current product list and are not likely to be discontinued within 4 years from the day of this letter. We assure availability of spares for the products for the duration of the warranty.</p>