Corrigendum-2 dated 22.12.2023 for RFP Ref: SBI/GITC/NW&C/2023-24/1065 dated 22.11.2023 for Procurement, Installation, Commissioning and Maintenance of Software Defined Wide Area Network (SDWAN) Solution with associated accessories at 4 DC's and around 7000 domestic branches.

Sl No.	Page No	Clause No	Existing Clause	Revised Clause
1.	20	19. AWARD CRITERIA AND AWARD OF CONTRACT I – (a) and (b)	(a) Among all qualified bids, the lowest bid (as quoted in reverse auction) will be termed as L1. If L1 is 'Class-I local supplier', the contract for full quantity will be awarded to L1. (b) If L1 bid is not a 'Class-I local supplier', 50% of the order quantity shall be awarded to L1. Thereafter, the lowest bidder among the 'Class-I local supplier', will be invited to match the L1 price for the remaining 50% quantity subject to the Class-I local supplier's quoted price falling within the margin of purchase preference, and contract for that quantity shall be awarded to such 'Class-I local supplier' subject to matching the L1 price. In case such lowest eligible 'Class-I local supplier' fails to match the L1 price or accepts less than the offered quantity, the next higher 'Class-I local supplier' within the margin of purchase preference shall be invited to match the L1 price for remaining quantity and so on, and contract shall be awarded accordingly. In case some quantity is still left uncovered on Class-I local suppliers, then such balance quantity may also be ordered on the L1 bidder.	(a) Among all qualified bids, the lowest bid (as quoted in reverse auction) will be termed as L1. If L1 is 'Class-I local supplier', the contract will be awarded to L1. (b) If L1 is not from a 'Class-I local supplier', the lowest bidder among the 'Class-I local supplier' will be invited to match the L1 price subject to Class-I local supplier's quoted price falling within the margin of purchase preference, and the contract shall be awarded to such 'Class-I local supplier' subject to matching the L1 price. (c) In case such lowest eligible 'Class-I local supplier' fails to match the L1 price, the 'Class-I local supplier' with the next higher bid within the margin of purchase preference shall be invited to match the L1 price and so on and contract shall be awarded accordingly. In case none of the 'Class-I local supplier' within the margin of purchase preference matches the L1 price, then the contract will be awarded to the L1 bidder.

2.	119	3 Delivery of DC hardware, Sl. No -1	All the devices to be deployed in 4 Data Centers of the Bank must be delivered to the respective Data Centers within a period of 8 weeks from the date of placing PO /LOI.	All the devices to be deployed in 4 Data Centers of the Bank must be delivered to the respective Data Centers within a period of 10 weeks from the date of placing PO /LOI.
3.	122	7. Delivery of branch hardware, Sl. No-1	Devices to be deployed at Branches of the Bank must be delivered to the respective Branch/designated locations within a period of 8 weeks from the date of placing PO /LOI. The address details of all such branches/locations shall be provided to the Bidder along with PO / LOI.	Devices to be deployed at Branches of the Bank must be delivered to the respective Branch/designated locations within a period of 10 weeks from the date of placing PO /LOI. The address details of all such branches/locations shall be provided to the Bidder along with PO / LOI.
4.	131	14 PAYMENT SCHEDULE, Sl.No-1	Delivery of hardware and software/licences: 8 weeks from the date of acceptance of PO	Delivery of hardware and software/licences: 10 weeks from the date of acceptance of PO
5.	154	Point No.10 Penalties	Devices to be deployed at Branches and DC of the Bank must be delivered to the respective Branch/designated locations within a period of 8 weeks from the date of placing PO /LOI. Beyond 8 weeks a penalty of 1% of the device cost quoted in RFP per every week or part thereof.	Devices to be deployed at Branches and DC of the Bank must be delivered to the respective Branch/designated locations within a period of 10 weeks from the date of placing PO /LOI. Beyond 10 weeks a penalty of 1% of the device cost quoted in RFP per every week or part thereof.
6.	55	3. Document to be submitted	Copy of the audited financial statement for required financial years. (Certificate from statutory auditor for preceding/current year may be submitted.)	Copy of the audited financial statement for last three years along with profit and loss statement for corresponding years.
7.	142	Format for Self-Certification of Local Content	Format for Self-Certification of Local Content	Format for Self-Certification of Local Content – Deleted.
8.	64	17	All devices deployed as part of SDWAN solution (including Data Centre and branch devices) should have hardware and software parameters utilization under 60% with all feature set enabled, as stated in this RFP, for following parameters throughout the contract period.	All devices deployed as part of SDWAN solution (including Data Centre and branch devices) should have hardware and software parameters utilization under 60% with all feature set enabled, as stated in this RFP, for following parameters throughout the contract period.

			a. CPU b. SSD c. Memory d. Any other measurable parameters e.g., swap space, ASIC processor utilization, GPU utilization, threads, throughput consumption etc. If the performance of the deployed device degrades, in terms of any of the above-mentioned parameters, upon addition of a certain number of branches, the capacity limits of such device will be considered as the number before the degradation.	a. CPU b. SSD c. Memory d. Any other measurable parameters e.g., swap space, ASIC processor utilization, GPU utilization, throughput consumption etc. If the performance of the deployed device degrades, in terms of any of the above-mentioned parameters, upon addition of a certain number of branches, the capacity limits of such device will be considered as the number before the degradation.
9.	75	1.7.1	The device should support industry standard IP QoS mechanisms including (Traffic Class, IP Precedence and DSCP - Differentiated Services Code Point).	The device should support industry standard IP QoS mechanisms including (Traffic Class, IP Precedence/ DSCP - Differentiated Services Code Point).
10.	85	2.4.2	k) Details of system/files accessed of the SDWAN device. l) Use of privileges. (i.e., Privilege escalation)	Since deleted
11.	90	3.2.3	Proposed Orchestrator should have the capability to synchronize automatically as well as manually with geographically redundant devices. Automatic synchronization should be done in near real-time (within 60 seconds) without any manual intervention. In case a branch loses the connectivity with primary/ master Orchestrator, then the branch should fetch the configuration from any of the next available Orchestrators deployed in other Data Centres automatically without any manual intervention.	Proposed Orchestrator should have the capability to synchronize automatically as well as manually with geographically redundant devices. Automatic synchronization should be done in near real-time (within 10 minutes) without any manual intervention. In case a branch loses the connectivity with primary/ master Orchestrator, then the branch should fetch the configuration from any of the next available Orchestrators deployed in other Data Centres automatically without any manual intervention.
12.	92	3.2.10	Proposed Orchestrator should push/ pull and rollback Templates to all branches managed by	Proposed Orchestrator should push/ pull and rollback Templates to all branches managed by

			individual Central Manager/ Orchestrator within 5 minutes.	individual Central Manager/ Orchestrator within 20 minutes. (please also refer clause 9 of page no.91)
13.	99	5.2.7	6. IP Preference and DSCP	6. IP Precedence / DSCP
14.	100	5.2.11	e. IPv6 to IPv4 and vice versa natting	e. IPv6 to IPv4 natting
15.	105	6.3.8	For all the dashboards mentioned in this RFP, below should be the response time- □ For the purpose of near real-time device and end-user monitoring, the proposed SDWAN analytics solution should be able to populate the data inputs within 60 seconds for selected Branch End devices for duration upto 15 days on to the selected dashboard. □ For the purpose of reporting, monitoring (for archived data older than 15 days), the dashboards must populate and report should be generated within 5 minutes. For dashboards/ reporting, the necessary capacity planning like disk IOPS, SSD, RAM, etc. shall be done by the bidder. Any performance enhancement required to achieve the above-mentioned requirements shall be provided by the bidder at no additional cost to the Bank during the whole contract period.	The dashboards mentioned in this RFP, below should be the response time- For the purpose of near real-time device and end-user monitoring, the proposed SDWAN analytics solution should be able to populate the data inputs within 60 seconds for selected Branch End devices for duration up to 15 days on to the selected dashboard. The dashboards data must populate within 5 minutes. For dashboards, the necessary capacity planning like disk IOPS, SSD, and RAM etc. shall be done by the bidder. Any performance enhancement required to achieve the above-mentioned requirements shall be provided by the bidder at no additional cost to the Bank during the whole contract period.
16.	108	6.4.8	The dashboards mentioned in this RFP, below should be the response time- □ For the purpose of near real-time device and end-user monitoring, the proposed SDWAN analytics solution should be able to populate the data inputs within 60 seconds for selected Branch End devices for duration upto 15 days on to the selected dashboard.	The dashboards mentioned in this RFP, below should be the response time- For the purpose of near real-time device and end-user monitoring, the proposed SDWAN analytics solution should be able to populate the data inputs within 60 seconds for selected Branch End devices for duration up to 15 days on to the selected dashboard.

			For all other data, the dashboards must populate and report should be generated within 5 minutes. For dashboards / reporting, the necessary capacity planning like disk IOPS, SSD, and RAM etc. shall be done by the bidder. Any performance enhancement required to achieve the above-mentioned requirements shall be provided by the bidder at no additional cost to the Bank during the whole contract period.	The dashboards data must populate within 5 minutes. For dashboards, the necessary capacity planning like disk IOPS, SSD, and RAM etc. shall be done by the bidder. Any performance enhancement required to achieve the above-mentioned requirements shall be provided by the bidder at no additional cost to the Bank during the whole contract period.
17.	66	18	Such session log archival server shall be deployed across two datacentres in active-active mode. All the branch-end devices shall send the session logs to the primary server (in DC) only, and the same should be replicated to server placed at DR site within 5 minutes duration.	Such session log archival server shall be deployed across two data centres in active-active mode. All the branch-end devices shall send the session logs to the primary server (in DC) only, and the same should be replicated to server placed at DR site within 10 minutes duration.
18.	78	1.8 - 6-d	As requestor of the API calls, solution should be capable of communicating with third party tools like ticketing and alerting tools.	As requester or responder as the case may be of the API calls, solution should be capable of communicating with third party tools like ticketing and alerting tools.
19.	88	3.2.2	Any changes made in the Master controller should be automatically synced to HA pair, DR devices and all the slave controllers, within a duration of maximum 60 seconds.	Any changes made in the Master controller should be automatically synced to HA pair, DR devices and all the slave controllers, within a duration of maximum 10 minutes.
20.	95	4.1.1	In the Proposed SDWAN Solution, the provisioned headend/ device should have eight 40 G (with backward compatibility for 10G) fiber port with Multimode SFP+ in a single device without stacking. All ports should be configurable as WAN and LAN as per the Bank requirement. All ports should be fully populated from day one.	In the Proposed SDWAN Solution, the provisioned headend/ device should have minimum 4 X 100G and minimum 10 X 10G fiber port. All Transceivers should be Multimode in a single device without stacking. All ports should be configurable as WAN and LAN as per the Bank requirement. Headend device throughput: of 40 Gbps with all features mentioned

<table>
<tr><td></td><td></td><td></td><td></td><td>in this RFP for each device.

The above requirement is considering 5000 branches. If the number of branches on a single headend device exceed 5000, throughput should be proportionally increased.

For example, if a single headend device is able to cater 7500 branches, the throughput of the single device should be 60 Gbps. But in case device doesn't support up to 60Gbps throughput, then for 2500 branches, another headend device should be provided with minimum 40Gbps throughput as specified above.</td></tr>
<tr><td>21.</td><td>96</td><td>4.2.3</td><td>Headend device should automatically learn per-branch configured bandwidth and the applied QoS associated with it. Headend device should apply QoS or bandwidth limitation per branch (considering multiple IPsec tunnels/ paths initiated from the branch due to multiple links at branch and dual handoff at data center basis).
The applied QoS should not cross the branch links’ actual bandwidth per data center.</td><td>Clause removed.</td></tr>
<tr><td>22.</td><td>61</td><td>1.3</td><td>All components of proposed solution should be in the form of hardware appliance and must be rack mountable.

<table><tr><td>Component</td><td>OEM</td></tr><tr><td>Branch End Device</td><td>Proposed OEM physical appliance only</td></tr><tr><td>Headend device</td><td>Proposed OEM physical appliance only</td></tr><tr><td>Controller</td><td>Proposed OEM physical appliance only</td></tr></table></td><td>All components of proposed solution should be in the form of hardware appliance and must be rack mountable.

For the branch end device, it should be mounted in rack provided in the branch.

<table><tr><td>Component</td><td>OEM</td></tr><tr><td>Branch End Device</td><td>Proposed OEM physical appliance only</td></tr><tr><td>Headend device</td><td>Proposed OEM physical appliance only</td></tr></table></td></tr>
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			<table><tr><td>Reporting and log server</td><td>Any device recommended by the bidder</td></tr></table>	<table><tr><td>Controller /Orchestrator</td><td>Proposed OEM physical appliance or server based deployment including VM</td></tr><tr><td>Reporting and log server</td><td>Any device recommended by the bidder including server based deployment in VM</td></tr></table> For Controller/Orchestrator, all underlying infrastructure required like hypervisor, server has to be included as part of the technical solution from Day-1. Associated licenses and devices should of enterprise grade and must be compliant with the data centre component criteria of this RFP. All licenses are applicable for the entire contract period.
23.	85	2.4.3	Logging level on the devices should be configurable as per requirement of the Bank. Enabling the highest level logging should not degrade the performance of the device.	Logging level on the devices should be configurable as per requirement of the Bank. Enabling the highest-level logging (except debug) should not degrade the performance of the device.
24.	93	3.2.17	In the event of failure during upgradation, the device should have graceful rollback mechanism automatically to previous running version without any manual intervention.	In the event of failure during upgradation, the device should have graceful rollback mechanism automatically (preferably) or with manual intervention to previous running version.
25.	106	6.3.10	The Proposed SDWAN Solution should provide the Digital user experience Monitoring dashboard (GUI) in a single pane for each individual branch. Further, drilling down the branch based dashboard, it should be capable of displaying issues due to applications/links/local systems. The information should include but not limited to a) Number of connection initiated. b) Number of connection aborted. c) Number of re-transmissions.	The Proposed SDWAN Solution should provide the Digital user experience Monitoring dashboard (GUI) in a single pane for each individual branch. Further, drilling down the branch-based dashboard, it should be capable of displaying issues due to applications/links/local systems with regards to network / TCP statistics. The information should include but not limited to a) Number of connections initiated.

			d) Application performance wise rating. e) Network Response Time. f) Application Name (Well known and custom) g) Source IP h) Destination IP i) Number of session j) User experience	b) Number of connection aborted. c) Number of re-transmissions. d) Application performance wise rating. e) Network Response Time. f) Application Name (Well-known and custom) g) Source IP h) Destination IP i) Number of sessions
26.	79	2.1.1	Branch and Headend devices should have separate Control Plane, Management Plane and Data Plane communication. All communication should be encrypted.	Branch and Headend devices should have separate Control Plane and/or as the case may be Management Plane and Data Plane communication. All communication should be encrypted.
27.	102	6.2.1	Edge device in the proposed solution should be able to send path parameters data, session details, etc. to the central reporting device at interval of every 5-minute maximum.	Edge device in the proposed solution should be able to send path parameters data, session details, etc. to the central reporting device at interval of every 5 to 10 minute maximum.
28.	22	19.2	**Appendix-G**	**Appendix-I**
29.	134	Appendix-F (Indicative Price Bid)	Note: • "X" is basic cost of the branch device which is referenced in above table • The coefficient factors mentioned in point no 2, 3 ,4, 5 is the maximum amount they quote for the respective items	Note: • "X" is basic cost of the branch device which is referenced in above table. • The coefficient factors mentioned in point no 2, 3 ,4, 5 is the maximum amount they quote for the respective items. • In case the Bank proposes to install and commission over and above 340 branches, per branch cost will be paid as per the discovered rate under the Sr.no-6 in the above table.