

# WEBEL TECHNOLOGY LIMITED

## Corrigendum - 1

**Tender no: WTL/SDC/CLOUD/20-21/022 Dated 19.02.2021**

Sl. No.	Page. No.	Section	Tender clause	Revised clause
1	6	Technical features & functionalities: Sr. No. 11	Should support & be provided with licenses for enterprise supported kubernetes <b><u>integrated with the hypervisor</u></b> , with unified visibility for VMs, Kubernetes clusters, containers from virtualization console for consistent view between Dev and Ops via Kubernetes constructs in virtualization platform. Virtualization platform should provide access to developers through kubernetes APIs to consume VMs, containers and DC infra resources like compute, storage, networking.	Should support & be provided with licenses for enterprise supported kubernetes integrated with the virtualisation, with unified visibility for VMs, Kubernetes clusters, containers from virtualization console for consistent view between Dev and Ops via Kubernetes constructs in virtualization platform. Virtualization platform should provide access to developers through kubernetes APIs to consume VMs, containers and DC infra resources like compute, storage, networking.
2	7	Technical features & functionalities Sr. No.19	The solution should be capable to <b><u>provide agentless</u></b> guest introspection services like Anti-Malware etc and Network introspection services like IPS/IDS , edge load balancing, multi site networking (Layer 2 extension) irrespective of underlying physical topology, container network and security for container to container L3 networking and microsegmentation for microservices etc	The solution should be capable to provide agentless or agent-based guest introspection services like Anti-Malware etc and Network introspection services like IPS/IDS , edge load balancing, multi site networking (Layer 2 extension) irrespective of underlying physical topology, container network and security for container to container L3 networking and microsegmentation for microservices etc
3	8	Technical features & functionalities Sr. No. 24	The solution should use <b><u>AI/ML engine</u></b> to provide right actions for every layer of the stack:- sizing:- how to right size the containers (CPU, Mem, N/W utilizations), Placement:- when to reschedule pods to which nodes, auto-scaling:- when to scale in & scale out.	The solution should use intelligent engine to provide right actions for every layer of the stack:- sizing:- how to right size the containers (CPU, Mem, N/W utilizations), Placement:- when to reschedule pods to which nodes, auto-scaling:- when to scale in & scale out

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4	8	Technical features & functionalities Sr. No. 26	The solution should support <b>multiple hypervisors (VMware, Hyper-V, RHEV etc.)</b> to access information about the managed VM's, Hosts, datastores and execute commands such as provisioning, resizing or reconfiguring entities in the environment.	The solution should support multiple hypervisors to access information about the managed VM's, Hosts, datastores and execute commands such as provisioning, resizing or reconfiguring entities in the environment
5	8	Cloud platform specs-- Sr. No.1: Bare metal solution	The <b>platform</b> shall be deployable using the same product on all types of deployment scenarios i.e. – bare-metal servers, virtualized servers, private cloud, public cloud & hybrid cloud.. Customer should be able to deploy same license / subscription to public cloud in addition to private cloud.	The Container platform shall be deployable using the same product on all types of deployment scenarios i.e. – bare-metal servers, virtualized servers, private cloud, public cloud & hybrid cloud. Customer should be able to deploy same license / subscription to public cloud in addition to private cloud
6	8	Cloud platform specs Sr. No. 3 Availability	Live Virtual Machine migration between different generations of CPUs in the same cluster with and without the need for shared storage option. Should support Live Virtual Machine migration long distances from one site to another (up to 150 milliseconds round trip time) with no disruption to users or loss of services, eliminating the need to schedule application downtime or business downtime.	Live Virtual Machine migration between different generations of CPUs in the same cluster with or without the need for shared storage option. Should support Live Virtual Machine migration long distances from one site to another.
7	9	Cloud platform specs Sr. No. 5	Zero downtime, Zero data loss and continuous availability for the applications running in virtual machines in the event of physical host failure, without the cost and complexity of traditional hardware or software clustering solutions.	Solution should have the capability to support Zero downtime, Zero data loss and continuous availability for the applications running in virtual machines in the event of physical host failure.
8	9	Cloud platform specs Sr. No. 6 Performance	Add CPU, Memory & devices to virtual machines on the fly when needed, without disruption or downtime of working VMs for both windows and Linux based VMs.	Resize VM's (Add CPU, Memory & devices) or auto scale number of VM's on the fly when needed, without disruption or downtime of working VM's for both windows and Linux based VMs.

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9	9	Cloud platform specs Sr. No. 6 Performance	Create a cluster out of multiple storage data stores and automate load balancing by using storage characteristics to determine the best place for a virtual machine's data to reside, both when it is created and when it is used over time.	Clause is removed
10	9	Cloud platform specs Sr. No. 7: Performance	Should support features like DRS which run every minute and provides workload balancing.	Clause is removed
11	11	Cloud platform specs Sr. No. 21	The platform shall provide integrated container native persistent storage capabilities PaaS Layer around xx TB Need to be offered. The platform should have CLI tools for copy, authenticate and sign images.	The platform shall provide integrated container native persistent storage capabilities PaaS Layer around capacity required. The platform should have CLI tools for copy, authenticate and sign images
12	12	Cloud platform spec's Sr. No. 29	Container platform should have been tested against following architecture: x86_64, s390x, ppc64le	Container platform should have been tested against following architecture: x86_64
13	15	02 specification for blade server Sr. No. 6	<b>I/O Adaptors</b> : Dual port 25Gbps Ethernet terminating into different chassis switches for redundancy. For converged network solution, the adapter should support FCoE protocol.	Each Server should be provisioned with 10/25Gbps Ethernet /FCoE ports bandwidth terminating into different chassis switches for redundancy. For converged network solution, the adapter should support FCoE protocol.
14	15	(01) Specifications for blade chassis: Sr. No. 05: IO Bays	Atleast two IO bays in redundant configuration supporting Ethernet, Fiber Channel & / or FCoE.	Atleast two IO bays in redundant configuration supporting Ethernet, SAS, Fiber Channel& / or FCoE
15	15	(01) Specifications for blade chassis: Sr. No. 6 Switch modules	Each chassis should be configured with atleast one pair of redundant switches with 25Gbps ports to connect to the compute blades within the chassis.	Each chassis should be configured with atleast one pair of redundant switches/IO Modules with 25Gbps ports to connect to the compute blades within the chassis.
16	15	(01) Specifications for blade chassis: Sr. No. 6 Switch modules	The switches should have <500ns latency.	The switches should have <1Milli-sec latency.

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17	15	(01) Specifications for blade chassis: Sr. No. 6 Switch modules	Should support the open source Open Network Install Environment (ONIE) for zero touch installation of alternate operating systems in future releases.	The clause is removed
18	15	(01) Specifications for blade chassis: Sr. No. 6 Switch modules	Two redundant, hot-plug fabric switches with multi-chassis fabric scaling capabilities to connect blade servers to external servers & networks.	The clause is removed
19	15	(01) Specifications for blade chassis: Sr. No. 6 Switch modules	Each switch should have minimum 8 x 32Gbps active external FC ports, 2 nos. 100Gbps, 8 x 10Gbps & 8 x 25Gbps ports using transceivers or DAC or breakout cables.	Each switch should have minimum 8 x 32Gbps active external FC ports, 2 nos. 100Gbps, 8 x 10Gbps or 8 x 25Gbps ports using transceivers or DAC or breakout cables.
20	16	(02) Specifications for blade Servers: Sr. No. 6 I/O Adapters	Dual port 25Gbps Ethernet terminating into different chassis switches for redundancy. For converged network solution, the adapter should support FCoE protocol	Dual port 25Gbps/50 Gbps or quad port 10Gbps Ethernet terminating into different chassis switches for redundancy. For converged network solution, the adapter should support FCoE protocol.
21	26	<b>Section – B</b> Eligibility Criteria Table 3: Sl No. 3	Bidder should have experience in setting up atleast one Openshift framework based Cloud Enabled Data centre for hosting of micro-service architecture based containerized application platform of similar nature for a period exceeding five years as on 31.03.2020.	Bidder / OEM should have experience in setting up atleast one Openshift framework based Cloud Enabled Data centre in India for hosting of microservice architecture based containertised application platform of similar nature for a period within last five years as on 28.02.2021.
22	26	<b>Section – B</b> Eligibility Criteria Table 3: Sl No. 4	Bidder should have experience in setting up & providing facility management support(FMS) at least 3 Private Cloud enabled set up on Open Stack framework (IAAS) based cloud platform including at least 1 Open shift framework (PAAS) based Cloud enabled platform in Data Centres of States, Central, various PSU in India for a period exceeding three years as on 31.03.2020.	Bidder / OEM should have experience in setting up & providing facility management support(FMS) at least one Private Cloud enabled set up on Open Stack framework (IAAS) based cloud platform including at least 1 Open shift framework (PAAS) based Cloud enabled platform in India in Data Centres of States, Central, various PSU, for a period within last three years as on 28.02.2021.

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Sl. No.	Page. No.	Section	Tender clause	Revised clause
23	26	Section – B Eligibility Criteria Table 3: Sl No. 5	Bidder should be in the business as IT System Integrator for more than 5 years as of 31.3.2020. SI Services should include “Application Development” along with any 3 of the following services through a single project with the same client: i) Application Support & Maintenance ii) Installation & commissioning of IT Compute Infrastructure(Data Centre Infrastructure) iii) Maintenance of IT Compute Infrastructure (Data Centre Infrastructure) iv) Help Desk Services	Bidder should be in the business as IT System Integrator for more than 5 years as of 28.2.2021. SI Services should include any 3 of the following services through a single project with the same client: i) System & Database Support ii) Installation & commissioning of IT Compute Infrastructure(Data Centre Infrastructure) iii) Maintenance of IT Compute Infrastructure (Data Centre Infrastructure) iv) Help Desk Services
24	27	Section – B Eligibility Criteria Table 3: Sl No. 6	Bidder should have IT system Integrator Turnkey project experience in India to any City/State Government/PSU with a minimum project value of Rs 2 Crores and the scope including at least any 3 of the following: i) Application Support & Maintenance ii) Installation & commissioning of IT Compute Infrastructure(Data Centre Infrastructure) iii) Maintenance of IT Compute Infrastructure (Data Centre Infrastructure) iv) Help Desk Services  All the projects should have been successfully implemented ( the solution implemented should be operational) in last 5 years as on 31.3.2020	Bidder should have IT system Integrator Turnkey project experience in India to any City/State Government/PSU with a minimum project value of Rs 1 Crores and the scope including at least any 2 of the following: i) System & Database Support ii) Installation & commissioning of IT Compute Infrastructure (Data Centre Infrastructure) iii) Maintenance of IT Compute Infrastructure (Data Centre Infrastructure) iv) Help Desk Services  All the projects should have been successfully implemented ( the solution implemented should be operational) in last 5 years as on 28.2.2021
25	27	Section – B Eligibility Criteria: Table 3: Sl No. 7	The bidder (Prime/ Consortium partner) should have a CMMi level 5 Certificate	The clause is removed.

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26	27	Section – B Eligibility Criteria Table 3: Sl No. 10	The bidder must have on its roll at least 100 technically qualified professionals in operation, management, maintenance support and facility management services of private cloud enabled platform as on 31-03-2020 for various data centres of State Government, Central Government, PSU etc.	The bidder must have on its roll at least 50 technically qualified professionals in operation, management, maintenance support and facility management services of private cloud enabled platform as on 28-02-2021 for various data centres of State Government, Central Government, PSU etc.
27	--	Cloud platform specs	New inclusion	The software should have the availability of upgrades to the latest minor & major version from OEM, without any additional cost. The proposed softwares should offer full features and functionality from day1 to avoid any future expenses. OEM must include highest/ latest enterprise variant of the software.
28	--	Cloud platform specs	New inclusion	The solution for cloud & container management should be provided with guest O/S licenses for RedHat Virtual Datacentre (Unlimited Guest) with premium support for all servers, as per Redhat licensing policy.