**RFP for Additional Cloud Virtualization Software (Existing Setup)
for
Odisha State Data Centre (OSDC) Bhubaneswar**

RFP Enquiry No.   : OCAC-NEGP-INFRA-0010-2022-22049

Date   : 29-Aug-2022

RFP SCHEDULE

Sl. No.	Items	Date & Time
01	Commencement of the bid	29 Aug 2022
02	Last date for receiving queries through E-mail: osdc@ocac.in, sk.bhol@nic.in	06 Sep 2022
03	Pre Bid Conference	08 Sep 2022 at 4:00 PM
04	Issue of Corrigendum (if required)	13 Sep 2022
05	Last date and time for Submission of Bid through GEM portal.	27 Sep 2022 by 02:00 PM
06	Opening of Pre-Qualification (PQ)	27 Sep 2022 by 05:00 PM
07	Opening of Commercial Bids (CB)	To be informed.

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1. Information & Background

Odisha Computer Application Centre (OCAC), the Designated Technical Directorate of Electronics & Information Technology Department, Government of Odisha, intends to expand the existing IT Infrastructure of State Data Centre (OSDC).

To scale-up the existing Compute Infrastructure below is list of devices to be procured through this RFP:-

      1. Cloud Virtualization Software   : 01 Set (As per BoQ)

2. Instructions to the Bidders

2.1. General

i. While every effort has been made to provide comprehensive and accurate background information, requirements, and specifications, Bidders must form their own conclusions about the requirements. Bidders and recipients of this RFP may wish to consult their own legal advisers in relation to this RFP.

ii. All information to be supplied by Bidders will be treated as contractually binding on the Bidders, on successful award of the assignment by OCAC on the basis of this RFP.

iii. No commitment of any kind, contractual or otherwise shall exist unless and until a formal written contract has been executed by or on behalf of OCAC with the bidder. OCAC may cancel this public procurement at any time prior to a formal written contract being executed by or on behalf of OCAC.

2.2. Compliant Tenders / Completeness of Response

i. Bidders are advised to study all instructions, forms, requirements, appendices and other information in the RFP documents carefully. Submission of the bid / proposal shall be deemed to have been done after careful study and examination of the RFP document with full understanding of its implications.

ii. Failure to comply with the requirements of this paragraph may render the Proposal non- compliant and the Proposal will be rejected. Bidders must:
    a. Comply with all requirements as set out within this RFP.
    b. Submit the forms as specified in this RFP and respond to each element in the order as set out in this RFP.
    c. Include all supporting documentations specified in this RFP.

2.3. Pre-Bid Meeting & Clarifications

2.3.1. Bidders Queries
    a. OCAC shall hold a pre-bid meeting with the prospective bidders on scheduled date at OCAC premises or through Video Web Conference.
    b. The Bidders will have to ensure that their queries for Pre-Bid meeting should reach in e-mail id – osdc@ocac.in, sk.bhol@nic.in. Queries submitted after the scheduled

date and time, shall not be accepted.

c. The queries should necessarily be submitted in the following format:

Sl. No.	RFP Document Reference(s) (Section & Page Number(s))	Content of RFP requiring Clarification(s)	Points of Clarification
1.			
2.			

d. OCAC shall not be responsible for ensuring that the bidder's queries have been received by them. Any requests for clarifications after the indicated date and time shall not be entertained by OCAC.

2.3.2. Responses to Pre-Bid Queries and Issue of Corrigendum

a. OCAC will endeavor to provide timely response to all valid queries. However, OCAC makes no representation or warranty as to the completeness or accuracy of any response made in good faith, nor does OCAC undertake to answer all the queries that have been posed by the bidders.

b. At any time prior to the last date for receipt of bids, OCAC may, for any reason, modify the RFP Document by a corrigendum.

c. The Corrigendum (if any) & clarifications to the queries from all bidders will be posted on the websites www.ocac.in, www.odisha.gov.in and at GEM Portal

d. Any such corrigendum shall be deemed to be incorporated into this RFP.

e. In order to provide prospective Bidders reasonable time for taking the corrigendum into account, OCAC may, at its discretion, extend the last date for the receipt of Proposals.

2.4. Key Requirements of the Bid

2.4.1. Right to Terminate the Process

i) OCAC may terminate the RFP process at any time and without assigning any reason. OCAC makes no commitments, express or implied, that this process will result in a business transaction with anyone.

ii) This RFP does not constitute an offer by OCAC. The bidder's participation in this process may result OCAC selecting the bidder to engage towards execution of the contract.

2.4.2. Right to alter Quantities

OCAC reserves the right to reduce the quantity or give repeat order to the **L1 bidder as per requirement**, within the tender validity period of **180 days** from the last date of submission of bid under same terms and conditions with same Specifications and Rate. Any decision of OCAC in this regard shall be final, conclusive and binding on the bidder. If OCAC does not purchase any of the tendered articles or purchases less than the quantity indicated in the bidding document, the bidder(s) shall not be entitled to claim any compensation.

2.4.3. Confidential Information

OCAC and Selected bidder shall keep confidential and not, without the written consent of the other party hereto, divulge to any third party any documents, data, or other information furnished directly or indirectly by the other party hereto in connection with the Contract, whether such information has been furnished prior to, during or following completion or termination of the Contract.

2.4.4. Bid Security

Bid Security Declaration needs to be submitted along with this bid as per the prescribed format attached in this RFP.

2.4.5. Performance Bank Guarantee (PBG)

i. OCAC will require the selected bidder to provide a Performance Bank Guarantee (PBG) within 15 days from the Notification of award, for a value equivalent to 3% of the total order value.

i. The Performance Bank Guarantee needs to be valid till Entire Project Period of 5 Years. The Performance Bank Guarantee shall contain a claim period of three months from the last date of validity. The selected bidder shall be responsible for extending the validity date and claim period of the Performance Guarantee as and when it is due on account of non-completion of the project and Warranty period.

ii. In case the selected bidder fails to submit performance Bank guarantee within the time stipulated, OCAC at its discretion may cancel the order placed on the selected bidder without giving any notice and barred the bidder in all the future procurement process as per the Bid Security Declaration.

iii. In that event OCAC may award the Contract, at (L1) rate, to the next best value bidder (L2), whose offer is valid and substantially responsive and determined by OCAC.

iv. OCAC shall invoke the performance Bank Guarantee in case the selected bidder fails to discharge their contractual obligations during the period or OCAC incurs any loss due to Vendor's negligence in carrying out the project implementation as per the agreed terms & conditions.

v. Performance Bank Guarantee shall be refunded within three months of the successful completion of the contract period i.e., expiry of "Warranty and Support Services" of individual package.

vi. No interest will be paid by OCAC on the amount of performance Bank Guarantee

2.4.6. Deadline for Submission of proposals

Proposals, in its complete form in all respects as specified in the RFP, must be submitted through online at the GEM portal on or before the due date as per the RFP.

2.4.7. Late Bids

i. Bids received after the due date and the specified time for any reason whatsoever, shall not be entertained and shall be returned unopened.

ii. The bids submitted by telex/telegram/ fax/e-mail etc. shall not be considered. No correspondence will be entertained on this matter.

iii. OCAC reserves the right to modify and amend any of the above-stipulated condition/criterion depending upon project priorities and need.

2.5. Offer Validity

Offers should be valid for minimum One hundred eighty (180) Days from the date of opening the Technical Bid. A bid, valid for a shorter period, is liable to be rejected. OCAC, Bhubaneswar may ask the bidders to extend the period of validity, if required.

2.6. Delivery

The delivery of infrastructure items to be completed within 12 (Twelve) Weeks from the date of issue of Purchase Order/ Work Order.
Delivery Location: **Odisha State Data Centre (OSDC), Bhubaneswar**

2.7. Product Specifications & Compliance Statement:

The bidder should quote the products strictly as per the tender specifications and only of technically reputed and globally acclaimed brands / makes. Complete technical details along with brand, specification, technical literature etc. highlighting the specifications must be supplied along with the technical bid. A Statement of Compliance shall be given against each item in the prescribed format given in Technical specifications. The compliance statements should be supported by authentic documents. Each page of the bid and cuttings / corrections shall be duly signed and stamped by the authorized signatory. Failure to comply with this requirement may result in the bid being rejected.

2.8. Price

The prices are to be quoted in INR in figure only. If there is a discrepancy between the unit price and the total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail and the total price shall be corrected.

2.9. Unsatisfactory Performance

The Parties herein agree that OCAC shall have the sole and discretionary right to assess the performance(s) of the Bidder components(s), either primary and or final, and OCAC, without any liability whatsoever, either direct or indirect, may reject the system(s) component(s) provided by the Bidder, in part or in its entirety, without any explanation to the Bidder, either during the pre and or post test period should the same be unsatisfactory and not to the acceptance of OCAC. The Bidder covenants to be bound by the decision of OCAC without any demur in such an eventuality.

2.10. Dispute Resolution

i. Any dispute or difference, whatsoever, arising between the parties to this agreement arising out of or in relation to this agreement shall be amicably resolved by the Parties through mutual consultation, in good faith and using their best endeavors. Parties, on mutual consent, may refer a dispute to a competent individual or body or institution or a committee of experts appointed By OCAC (Nodal Authority) for such purpose and abide by the decisions thereon.

ii. On non-settlement of the dispute, same shall be referred to the commissioner-cum-

secretary to Government, IT department, and Government of Odisha for his decision and the same shall be binding on all parties, unless either party makes a reference to arbitration proceedings, within sixty days of such decision.

iii.   Such arbitration shall be governed in all respects by the provision of the Arbitration and Conciliation Act, 1996 or later and the rules framed there under and any statutory modification or re-enactment thereof. The arbitration proceeding shall be held in Bhubaneswar, Odisha

2.11. Force Majeure

Force Majeure is herein defined as any cause, which is beyond the control of the selected bidder or OCAC as the case may be which they could not foresee or with a reasonable amount of diligence could not have foreseen and which substantially affect the performance of the contract, such as:

i.   Natural phenomenon, including but not limited to floods, droughts, earthquakes and epidemics.

ii.   Acts of any government, including but not limited to war, declared or undeclared priorities, quarantines and embargos.

iii.   Terrorist attack, public unrest in work area provided either party shall within 10 days from occurrence of such a cause, notifies the other in writing of such causes.

In case of a Force Majeure, all Parties will endeavor to agree on an alternate mode of performance in order to ensure the continuity of service and implementation of the obligations of a party under the Contract and to minimize any adverse consequences of Force Majeure

2.12. Disclaimer

This Tender / Request for Proposal (RFP) is not an offer by OCAC, but an invitation for bidder's response. No contractual obligation whatsoever shall arise from the RFP process.

2.13. IT Act

Besides the terms and conditions stated in this document, the contract shall also be governed by the overall acts and guidelines as mentioned in IT Act 2000 and subsequent amendments, and any other guideline issued by State from time to time.

2.14. Declaration

The bidder would be required to give a certificate as below in his commercial bid.

A) *"I/WE UNDERSTAND THAT THE QUANTITY PROVIDED ABOVE IS SUBJECT TO CHANGE. I/WE AGREE THAT IN CASE OF ANY CHANGE IN THE QUANTITIES REQUIRED, I/ WE WOULD BE SUPPLYING THE SAME AT THE RATES AS SPECIFIED IN THIS COMMERCIAL BID. I /WE AGREE TO ADHERE TO THE PRICES GIVEN IN THE FINANCIAL BID OF THIS RFP EVEN IF THE QUANTITIES UNDERGO A CHANGE. I/WE FURTHER UNDERTAKE THAT IN CASE OCAC REQUIRES, WE WILL DEMONSTRATE THE QUOTED PRODUCTS WITH 7 DAYS NOTICE FROM OCAC."*

B) *The OEM/ PRODUCT MANUFACTURED IN A COUNTRY SHARING A LAND BORDER WITH INDIA CANNOT PARTICIPATE IN THIS BID.*

3. Scope of Work

Supply, Installation, Configuration, upgardation of existing solution to latest running version & Comprehensive Warranty Support of the supplied cloud virtualization as per the detail solution and technical specification mentioned in the RFP. The provided solution should act as a single umbrella for management and operational.

3.1. Cloud Virtualization Functionality Requirement

1. Detailed design and implementation document should be provided before installation.
2. Installation of server hypervisor, SDN & cloud management platform on 10 no of hosts.
3. Integration with existing setup VMware Cloud Setup for operational and management.
4. IaaS, PaaS & all other setup of existing SDC cloud should be available for this new cluster.
5. Workload segregation.
6. Testing of Deployed solution.
7. Knowledge Transfer specific to VMware Deployment
8. 24 x7 support for 5 Years required from OEM as and when required for resolving all OS (Operating Systems) & Private Cloud solution related issues, including re-installation of OS or re-clustering or re-configuration and other required software procured in this RFP, during support period without any extra cost to the OCAC.
9. Bidder should upgrade the existing private cloud solution supplied under this RFP and other related software whenever there is new version released for such upgrade without any cost to the OCAC during the contract period including ATS etc.
10. Bidder should provide virtualization private cloud solution & its related other software licenses which will be as expansion of existing On-Premise Private Cloud setup with comprehensive support of 5 year without any extra cost.
11. Bidder has to carryout hardening of OS (Operating System), patch management activity and other configuration on OS, private cloud and its related software, etc., (which is provided under this RFP) as per the requirement of OSDC.
12. Technical and functional documentation of the entire project should be submitted to OSDC in Printed Book Format.
13. The bidder shall provide perpetual licenses for all software components proposed in the solution and should be in name of OSDC.
14. The bidder shall propose Support & Subscription services from the OEM with unlimited number of support requests, remote support, access to product updates/upgrades and 24x7 supports.
15. The bidder shall propose Plan & Design/ Architecture services from the OEM. The OEM shall conduct a health-check of the deployed solution and submit a report indicating compliance to reference architecture and best practices. The entire software supplied under this RFP must be installed and configured by OEM only. The bidder to make necessary arrangement for the same and OCAC will not pay any additional cost for implementation by OEM.
16. Detailed process documentation, SOP's and management of solution should be created and submitted before project signoff.

17. Design, deployment, implementation and validation has to be done by OEM professional services team.

3.2. Training

The Bidder will be responsible for training the OSDC Team in the areas of parameterization, implementation, migration, operations, management, error handling, system administration, upgrade etc. The training should at least cover the following areas and detailed each and every module installed as required for the solution to work efficiently and smoothly:

     i.   Functionality available in the solution
    ii.   New functionality customized (if any)
   iii.   Parameterization
   iv.   Impact Analysis
    v.   Generating various MIS/EIS reports from the solution provided
   vi.   System and Application administration
  vii.   Log analysis and monitoring

All the trainings would be held at the OCAC sites and the Bidder has to organize the trainer from OEM.

3.3. Technical Specification

VMware vCloud Suite Enterprise should have vSphere, vRealize & vROPS.

S.No	Technical Specification VMware vCloud Suite Enterprise	
	Specifications	**Compliance (Yes/No)**
1	Virtualization software shall provide a Virtualization layer that sits directly on the bare metal server hardware with no dependence on a general purpose OS for greater reliability and security	
2	Virtualization software shall allow heterogeneous support for guest Operating systems like Windows client, Windows Server, Linux (at least Red Hat, SUSE, Ubuntu, CentOS and Solaris x86)	
3	Virtualization software should be able to boot from iSCSI, FCoE, and Fibre Channel SAN	
4	Virtualization software shall integrate with NAS, FC, FCoE and iSCSI SAN and infrastructure from leading vendors leveraging high performance shared storage to centralize virtual machine file storage for greater manageability, flexibility and availability	
5	Virtualization software shall have the capability for creating virtual machine templates to provision new servers	
6	Virtualization software shall allow taking point-in-time snapshots of the virtual machines to be able to revert back to an older state if required	

	Technical Specification VMware vCloud Suite Enterprise	
S.No	**Specifications**	**Compliance (Yes/No)**
7	Virtualization software should have the ability to thin provision disks to avoid allocating all storage space upfront. Full monitoring capabilities and alerts to prevent from accidentally running out of physical storage space should be there.	
8	Virtualization software should support connecting smart card readers to multiple virtual machines, which can then be used for smart card authentication to virtual Machines.	
9	Virtualization software should support live Virtual Machine migration with enhanced CPU compatibility and without the need for shared storage option.	
10	Virtualization software should have the ability to live migrate VM files from one storage array to another without any VM downtime. Support this migration from one storage protocol to another (ex. FC, iSCSI, DAS)	
11	The solution should provide special integration with Storage API's providing integration with supported third-party data protection, multi-pathing and disk array solutions.	
12	Virtualization software shall have High Availability capabilities for the virtual machines in the sense if in case one server fails all the Virtual machines running on that server shall be able to migrate to another physical server running same virtualization software. The feature should be independent of Operating System Clustering and should work with FC/ iSCSI SAN and NAS shared storage. This high availability feature should also be extended to and aware of the applications running inside of the virtual machines.	
13	Virtualization software should have fault tolerance feature to provide 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. This option should be supported for upto 4 virtual CPU per virtual machine.	
14	The solution should manage anti-virus and anti-malware policies for virtualized environments with the same management interfaces used to secure physical infrastructure and should provide agentless integration with anti-virus and anti-malware solutions.	
15	Virtualization software should provide secure boot for protection for both the hypervisor and guest operating system by ensuring images have not been tampered with and preventing loading of unauthorized components	
16	Virtualization software should provide software FCoE adaptor that can work with a network adaptor that support partial FCoE offload capabilities.	
17	Virtualization software should allow configuring each virtual machine with one or more virtual NICs. Each of those network interfaces can have its own IP address and even its own MAC address, must support NIC teaming for load sharing and redundancy.	
18	Virtualization software shall allow creating virtual switches that connect virtual Machines	
19	Virtualization software shall support configurations of 802.1q VLANs which are compatible with standard VLAN implementations from other vendors	

	Technical Specification VMware vCloud Suite Enterprise	
S.No	Specifications	Compliance (Yes/No)
20	Virtualization software should allow dynamic adjustment of the teaming algorithm so that the load is always balanced across a team of physical network adapters	
21	Virtualization software shall allow RAM over-commitment that allows configuring virtual machine memory in such a way that safely exceeds physical server memory.	
22	Virtualization software should provide solution to automate and simplify the task of managing hypervisor installation, configuration and upgrade on multiple physical servers.	
23	The virtualization software should provide in-built Replication capability which will enable efficient array-agnostic replication of virtual machine data over the LAN or WAN. This Replication should simplify management enabling replication at the virtual machine level and enabling RPOs as low as 15 minutes.	
24	The virtualization software should have the in-built capability to be able to deliver a proven endpoint security solution to any workload with an approach that is simplified, efficient, and cloud-aware. This security solution should enable 3rd party endpoint security solutions to eliminate the agent footprint from the virtual machines, offload intelligence to a security virtual appliance, and run scans with minimal impact.	
25	It should provide the ability to set constraints that restrict placement of a virtual machine to a subset of hosts in a cluster and to keep virtual machines paired or separated.	
26	The solution should support enforcing security for virtual machines at the Ethernet layer. Disallow promiscuous mode, sniffing of network traffic, MAC address changes, and forged source MAC transmits.	
27	The solution should provide link aggregation feature in the virtual switch which will provide choice in hashing algorithms on which link aggregation in decided and this should also provide multiple link aggregation groups to be provided in a single host (64 groups per physical host)	
28	It should allow dynamic adjustment of the teaming algorithm so that the load is always balanced across a team of physical adapters on a Virtual Switch	
29	Hypervisor should have capability similar of Virtual Volumes which enables abstraction for external storage (SAN and NAS) devices making them Virtualization aware.	
30	Virtualization software shall continuously monitor utilization across virtual machines and should intelligently allocate available resources among virtual machines	
31	Virtualization software should provide enhanced visibility into storage throughput and latency of hosts and virtual machines that can help in troubleshooting storage performance issues.	
32	Virtualization software shall be able to dynamically allocate and balance computing capacity across collections of hardware resources aggregated into one unified resource pool with optional control over movement of virtual machines like restricting VMs to run on selected physical hosts.	

	Technical Specification VMware vCloud Suite Enterprise	
S.No	Specifications	Compliance (Yes/No)
33	Virtualization software should provide dynamic power management such that in case of during off peak hours not all servers are required to be powered on due to less load it should place few servers in G2/S5 (Soft Off) power state as per the Industry Standard Advanced Configuration and Power Interface (ACPI) specifications to save power in an automated or manual or scheduled manner.	
34	Virtualization software should provide proactive High availability capability that utilizes server health information and migrates VMs from degraded hosts before problem occurs	
35	Virtualization software should provide abilities to offload specific storage operations to compliant storage hardware thereby performing these operations faster and consuming less CPU, memory, and storage fabric bandwidth	
36	Virtualization software should provide VM-level encryption protects unauthorized data access both at-rest and in-motion	
37	Virtualization software should provide abilities to offload specific storage operations to compliant storage hardware thereby performing these operations faster and consuming less CPU, memory, and storage fabric bandwidth	
38	It should support hardware as well as non-hardware accelerated 3D graphics to run Basic 3D applications in virtual machines.	
39	The solution should provide in-built enhanced host-level packet capture tool which will provide functionalities like SPAN, RSPAN, and ERSPAN and will capture traffic at uplink, virtual switch port and virtual NIC level. It should also be able to capture dropped packets and trace the path of a packet with time stamp details	
40	The solution should provide a "Latency Sensitivity" setting in a VM that can be tuned to help reduce virtual machine latency. When the Latency sensitivity is set to high the hypervisor will try to reduce latency in the virtual machine by reserving memory, dedicating CPU cores and disabling network features that are prone to high latency.	
41	The solution should provide an option to easily deploy and manage big data solutions like Hadoop on the virtualization platform	
42	Virtualization software shall also natively have feature to enable live migration of virtual machines between servers in a cluster, across clusters as well as as long distances from one site to another (up to 100 milliseconds round trip time) with no disruption to users or loss of services, eliminating the need to schedule application downtime or business downtime.	
43	Hypervisor should have inbuilt Distributed Switch to centralize network provisioning, administration and monitoring using data center-wide network aggregation, should provide Network QoS to define priority access to network resources.	
44	Virtualization software should provide secure boot for protection for both the hypervisor and guest operating system by ensuring images have not been tampered with and preventing loading of unauthorized components	
45	Virtualization software should provide proactive High availability capability that utilizes server health information and migrates VMs from degraded hosts before problem occurs	

	Technical Specification VMware vCloud Suite Enterprise	
S.No	**Specifications**	**Compliance (Yes/No)**
46	Hypervisor solution should provide platform for supporting 4K Native storage high capacity drives	
47	Hypervisor solution must skips hardware initialization steps and dramatically reduces time required for patching and upgrades.	
48	Hypervisor must be capable of Skipping a host reboot step and dramatically reduce time required for major version upgrades.	
49	Hypervisor solution must have in built Supports TPM 2.0 hardware modules and adds a virtual TPM device to shield guest OS from Operator or in-guest attacks.	
50	In order to provide enhanced security hypervisor solution must be FIPS 140-2 Compliance & TLS 1.2 Support as Default	
51	Hypervisor solution must have in built Supports TPM 2.0 hardware modules and adds a virtual TPM device to shield guest OS from Operator or in-guest attacks.	
52	Hypervisor solution must allow seamless migration across different CPUs across the hybrid cloud by persisting the EVC mode per-VM during migrations across clusters and during power cycles.	
53	Hypervisor solution must intelligently learns the environment behavior; based on usage patterns, preemptively rebalances workloads before demand spikes.	
54	The proposed hypervisor and management solution must support existing OCAC VMware vCenter Server and vSphere Hypervisor	

	vRealize suite Enterprise is a part of vCloud Suite Enterprise	
S.No	**Specifications**	**Compliance (Yes/No)**
1	The Monitoring Solution should be based on scale-out architecture to provide the scalability and resiliency with capabilities for automated failover and replication to support highly complex Datacenter environments	
2	The solution should be able to understand availability, performance, utilization, events, logs, and changes across every layer of your virtualized and physical infrastructure—from hypervisor to guest operating systems, middleware and applications.	
3	The solution should provide capacity analytics which can identify over- provisioned resources so they can be right-sized for most efficient use of virtualized resources.	
4	The solution capacity analytics should provide "What If" scenarios to eliminate the need for spreadsheets, scripts and rules of thumb.	
5	The solution should simplify problem remediation and enforcement of configuration standards to reduce operational effort and cost. It should provide out of the-box actions that can be triggered in the context of an alert or at any time.	

	vRealize suite Enterprise is a part of vCloud Suite Enterprise	
S.No	**Specifications**	**Compliance (Yes/No)**
6	The solution should provide flexible group policies which would let admin to define specific health, risk and capacity thresholds, alert types and notifications, business hours and many other configuration settings at a group level to prioritize operational activities for business critical applications, production workloads or business units	
7	The solution should be able to provide role based access control to give authorization based on personas , controlling access to objects, features, actions and reports at the individual level.	
8	The Solution should be able to create custom views and reports for single pane of glass access to the data required for informed, intelligent operational decisions and capacity management.	
9	The solution should provide advanced capacity analytics by automatically right sizing VMs to reclaim idle resources to allow administrators to optimize VM density and identify capacity shortfalls before they affect end users.	
10	The solution should provide real-time, integrated dashboards of performance and capacity to enable a proactive management approach and help ensure SLAs are met.	
11	The solution should provide out of the box templates to ensure Hypervisor hardening	
12	The solutions should provide Monitoring of OS level resources (CPU, disk, memory, network) for Windows and Linux OS and physical hardware resources of Hypervisors	
13	The solution should be able to map services running in virtual environment, examine the application discovery status, view and analyze the dependency.	
14	The solution should be able to add structure to all types of unstructured log data, enabling administrators to troubleshoot quickly, without needing to know the data beforehand	
15	The cloud management solution provide automated self-service with unified service catalog and API functions	
16	The Cloud Management solution must be multi-vendor hypervisor, physical endpoint and public cloud support	
17	The private cloud management solution shall provide Frictionless governance and compliance policies	
18	The cloud management solution is built on top of resource life cycle management including resource right-sizing and reclamation techniques	
19	The Cloud management platform leverages its own extensibility options for ecosystem partner tools integration	
20	The Cloud management solution should support marketplace of vendor and partner provided blueprints, plug-ins and other contents for day to day operations.	
21	The cloud management should provide automatic service catalog pricing	

	vRealize suite Enterprise is a part of vCloud Suite Enterprise	
S.No	**Specifications**	**Compliance (Yes/No)**
22	The cloud management solution must provide Infrastructure as a Service (IaaS) and Anything as a Service (Axis) ,Application stack provisioning and management, Out-of- the-box integration with Configuration Management tools and also Container management	
23	The Proposed Cloud Management solution must support existing OCAC VMware Cloud Management solution	

	Technical Specification of VMware NSX-T Advanced	
S.No	**Specifications**	**Compliance (Yes/No)**
1	The solution should enable scaling and moving of virtual workloads without physical network or security constraints or the need for specialized appliances	
2	The solution should provide stateful inspection firewall that can be applied either at the perimeter of the virtual datacenter or at the virtual network interface card level directly in front of specific workloads.	
3	The distributed firewall should be embedded in-kernel and should provide line rate performance.	
4	The solution should provide a virtual load balancer to scale application delivery without the need for dedicated hardware. The load balancer should support Web, SSL and TCP-based scale-out for high-volume applications.	
5	The solution should enable technology for network virtualization, providing network abstraction, elasticity and scale across the datacenter. It should provide technology to scale applications across clusters and pods without any physical network reconfiguration.	
6	The solution should provide distributed and dynamic routing (OSPF, BGP) capabilities.	
7	The solution should provide Integration management with virtualization and cloud management layers providing separation of duties with role based access control (RBAC) while providing a central point of configuration and control of network and security services.	
8	The solution should be able to span across multiple datacenters.	
9	The solution should provide L2 gateway for seamless connection to physical workloads	
10	The solution should provide software defined logical VPN by providing Site- to-Site & Remote Access VPN in software	
11	The proposed Network Virtualization solution must support existing OCAC VMware Network Virtualization solution	

S.No	Specifications	Compliance (Y/N)
	Technical Specification of VMware vRealize Network Insight Advanced	
1	The solution should help in planning zero-trust security and accelerate deployment with firewall rules recommendations.	
2	The solution should scale across multiple NSX Managers with powerful visualizations for topology and health.	
3	The solution should assist in avoiding configuration issues through an in- product best practices checklist.	
4	The solution should unify troubleshooting experience across the virtual and physical infrastructure.	
5	The solution should optimize network performance by identifying topology bottlenecks such as hair pining.	

Note: - 1. *The products quoted are not "end of life or end of sale products" as on Bid Submission date. If in case the support for the product quoted has been stopped/ withdrawn till the time of delivery of equipment, the same will be changed with the superior product at no extra cost.*

2. *Bidder has to submit an undertaking mentioning that, the support including spares, patches, and upgrades for the quoted products shall be available for the period of 5 years from the date of acceptance.*

4. Eligibility Criteria

Following table mentions the pre-qualification criteria. A bidder participating in the procurement process shall possess the following minimum pre-qualification/ eligibility criteria. Any bid failing to meet the stated criteria shall be summarily rejected and will not be considered for Commercial Evaluation.

4.1. Pre-qualification Criteria

Sl. No.	Clause	Documents Required
1.	The bids should be submitted by only Prime Bidder, no consortium is allowed in this bid.	Declaration in this regard needs to be submitted.
2.	The Bidder should have positive net worth during last three financial years, ending 31.03.2021.	A certified document by the Chartered accountant stating the net worth and average annual turnover of the bidder
3.	The Bidder's average annual turnover should be more than (INR) 20 cores in last three financial years and profitable during each of the previous three financial years ending on 31.03.2021. Note: The turnover refers to the Bidder's firm and not the composite turnover of its subsidiaries/sister concerns etc.	Copy of audited profit and loss account/balance sheet/annual report of the last three financial years.
4.	(a) The bidder must be registered under the Companies Act 1956 or a Partnership firm registered under LLP Act, 2008 and must have in operation for a period of at least 5 (Five) years as of March 31, 2022. (b) The company must be registered with appropriate authorities for all applicable statutory duties/taxes	(a) Valid documentary proof for :- ✓ Certificate of incorporation (b) Valid documentary proof for: ✓ GST Identification number (GSTIN) ✓ Income Tax registration/PAN number ✓ Up to date GST Return ✓ Income Tax returns for last three financial years.
5.	Bidder should have experience of Supply, Installation and Warranty/ Annual maintenance services for IT Infrastructure projects and should have been in the business for a period of five years as on 31.03.2022.	1. Work Orders confirming year and area of activity 2. Memorandum and Articles of Associations 3. Relevant legal documentation confirming the acquisition/merger, if any
6.	The bidder must have successfully undertaken at least the following numbers of systems implementation engagement(s) of value specified herein during the last Five Financial Years : ➢ One project of similar nature not less than the amount Rs. 200 Lakh. OR	Work order, Completion Certificate or phase completion certificate for ongoing project from the client

Sl. No.	Clause	Documents Required
	➢ Two projects of similar nature each of which not less than the amount Rs. 180 Lakh. OR ➢ Three projects of similar nature each of which is not less than the amount Rs. 160 Lakh. 'Similar Nature' is defined as:- Supply & Installation of Network, Server, Storage, Virtualization and their associated maintenance support services for any Government/ Public Sector Enterprises/ BFSI in India.	
7.	The Bidder shall not be under a Declaration of Ineligibility for corrupt or fraudulent practices or blacklisted with any of the Government.	Declaration in this regard by the authorized signatory of the Bidder
8.	I. The Bidder must have a registered Branch office in Odisha or if not having office in Odisha should submit an undertaking to open office within one month after getting the Purchase Order. II. The Bidder must have 5 IT Service Engineer/ Professionals available in Bhubaneswar (Odisha).	Office Address or Undertaking A self-certified letter by an authorized signatory mentioning the list of IT service engineer/professionals.
9.	The bidder should submit the valid letter from the OEMs confirming the followings: • Authorization from OEM for the quoted product. • Confirm that the products quoted are neither declared End of Sale and End of Support or End of Life at the time of Bid Submission and during the completion of procurement phase. • Confirm that the products would be covered under comprehensive warranty for the contract period. • Undertake that the support including spares, patches for the quoted products shall be available for entire contract period.	a) MAF b) Undertaking from OEM
10.	Quality Certification	Valid ISO 9001of the bidder
11.	Bid Security	Bid Security Declaration

4.2. Bid Evaluation

4.2.1. Pre-Qualification

i.   Bidder shall comply the Pre-Qualification Criteria mentioned in respective packages.

ii. Bidders only Qualified in the Pre-Qualification Criteria are eligible for Technical bid Evaluation.

4.2.2. Technical Bid Evaluation

The Technical Evaluation will be based on the following broad parameters:

i.   Compliance to Technical Specifications as specified in the RFP.

ii.   Review of written reply, if any, submitted in response to the clarification sought by OCAC/ OSDC, if any.

iii.   The Compliance Statement by the bidder to the technical specifications of respective package along with relevant product brochure, technical documents etc. Bids without proper Compliance Statement will be rejected.

iv.   To assist in the examination, evaluation and comparison of bids, OCAC may, at its discretion, ask any or all the Bidders for clarification and response shall be in writing and no change in the price or substance of the bid shall be sought, offered or permitted.

v.   OCAC may interact with the Customer references submitted by bidder, if required.

vi.   OCAC reserves the right to shortlist bidders based on technical evaluation criteria.

vii.   The onsite warranty services must be provided at OSDC, Bhubaneswar. The bidder must provide the plan / arrangement in escalation matrix, for warranty services to be provided at OSDC, Bhubaneswar

viii.   Acceptance to the terms and conditions laid down in the tender document. A scanned copy of the bid document duly signed by the bidder's authorized representative is to be submitted in token of acceptance of the same. Any deviation in the general terms and condition may lead to the rejection of the bid.

4.2.3. Commercial Bid

i.   Commercial Bid should be submitted online as per the given format.

ii.   The PRICE PART shall contain only schedule of rates duly filled in. NO stipulation, deviation, terms & conditions, presumptions etc. is permissible in price part of the bid. OCAC shall not take any cognizance of any such conditions and may at its discretion reject such commercial bid.

iii.   Prices should be given in INR in figures only.

iv.   Bidders are advised strictly not to alter or change the BOQ format /contents. Bidders are also advised not to paste any image file with BOQ

v.   Price offered by the bidder shall not appear anywhere in any manner in the technical bid.

4.2.4. Commercial Bid Evaluation

i. The financial bids of bidders who qualify in Pre-Qualification and Technical evaluation shall be opened at the notified time, date and place by OCAC in the presence of the bidders or their representatives who choose to be present.

ii. The process of opening of financial bids/ covers shall be similar to that of Pre-Qualification – cum – Technical bids

iii. The names of the firms, the rates given by them shall be read out and recorded in tender opening register.

To evaluate a financial bid, the tendering authority shall consider the following: -

- The bid price as quoted in accordance with bidding document.

- Price adjustment for correction of arithmetic errors in accordance with bidding document.

iv. The evaluation shall include all costs and all taxes and duties applicable to the bidder as per law of the Central/ State Government/ Local Authorities. Treatment of GST etc.

v. The evaluation shall be made adding all schedules to arrive lowest quoted bid.

vi. All rates quoted must be FOR destination/on site and should include all taxes, levies and duties. In case of local supplies the rates should include all taxes, etc., and no cartage or transportation charges will be paid by the Government. And the delivery of the goods/services shall be given at the premises/onsite.

4.2.5. Correction of Arithmetic Errors

Provided that the bid is substantially responsive, the competent Purchase Committee shall correct arithmetical errors on the following basis: -

i. if there is a discrepancy between the unit price and the total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail and the total price shall be corrected.

ii. if there is an error in a total corresponding to the addition or subtraction of subtotals, the subtotals shall prevail and the total shall be corrected; and if there is a discrepancy between words and figures, the amount in words shall prevail.

4.3. Other Terms & Conditions of RFP
4.3.1. Bid Submission

i. Bidder should log into the website well in advance for the submission of the bid so that it gets uploaded well in time i.e. on or before the bid submission time. Bidder will be responsible for any delay due to other issues.

ii. The bidder has to digitally sign and upload the required bid documents one by one as indicated in the tender document as a token of acceptance of the terms and conditions laid down by Department.

iii.   Bidder has to select the payment option as per the tender.

iv.   Bidders are requested to note that they should necessarily submit their financial bids in the format provided and no other format is acceptable. If the price bid has been given as a standard BOQ format with the tender document, then the same is to be downloaded and to be filled by all the bidders. Bidders are required to download the BOQ file, open it and complete cells with their respective financial quotes and other details (such as name of the bidder). No other cells should be changed. Once the details have been completed, the bidder should save it and submit it online, without changing the filename. If the BOQ file is found to be modified by the bidder, the bid will be rejected.

4.3.2. Authentication of Bids

A Proposal should be accompanied by a power-of-attorney/ authorization in the name of the signatory of the Proposal.

4.4. Special Conditions of Contract
4.4.1. Price Basis
Price basis should be for OCAC, Bhubaneswar in INR only. Price quoted should be in the prescribed format as per BOQ. The quoted price will be considered firm and no price escalation will be permitted

4.4.2. Billing
Billing is to be done in the name of Odisha Computer Application Centre, Plot No.-N1/ 7D, Acharya Vihar Square, RRL Post Office, Bhubaneswar -751013. The payment would be on the basis of the actual bill of material supplied, duly certified by our authorized representative at OSDC, Bhubaneswar.

4.5. Payment
100% of the invoice value will be paid to the successful bidder, after delivery of OEM Warranty Support Certificate & Final Acceptance Test (FAT), with submission of Performance Bank Guarantee issued from a nationalized / scheduled bank, equivalent to 3% of the amount of the Contract Value. This Bank Guarantee should remain valid for a period of 60 days beyond the warranty period, commencing from the date of satisfactory completion of entire job.

4.6. Penalty
Penalty for Delayed Services: Penalty will be charged @ 0.5% of the contract value per week subject to maximum of 10% of total order value, in case of delayed in supply of stipulated time period.

4.7. Warranty
All the items covered in the schedule of the requirements /Bill of Material (BOM), shall carry 24 x 7 Comprehensive Onsite Warranty support from OEM. All the items quoted should include 5 years of OEM Support and Subscription warranty.

5. Appendix I: Bid Templates

5.1. Bid Security Declaration

<div align="center">(In Original Letter Head)</div>

<div align="right">< Location, Date ></div>

To
General Manager (Admin.)
Odisha Computer Application Centre
OCAC Building, Plot No. N-1/7-D
Acharya Vihar Square, RRL Post Office
Bhubaneswar - 751013

Reference: (1) Enquiry No. _____.
                    (2) Our Bid No. _____ date _____.

I/ We, _____ irrevocably declare as under:

I/ We understand that, as per Clause _____of Tender/ bid conditions, bids must be supported by a Bid Security Declaration in lieu of Earnest Money Deposit.

I/ We hereby accept that I/ We may be disqualified from bidding for any contract with you for a period of **Three Years** from the date of disqualification as may be notified by you (without prejudice to OCAC's rights to claim damages or any other legal recourse) if,

1) I am /We are in a breach of any of the obligations under the bid conditions,
2) I /We have withdrawn or unilaterally modified/ amended/ revised, my/our Bid during the bid validity period specified in the form of Bid or extended period, if any.
3) On acceptance of our bid by OCAC, I /we failed to deposit the prescribed Performance Bank Guarantee (PBG) or fails to execute the agreement or fails to commence the execution of the work in accordance with the terms and conditions and within the specified time.

Signature:

Name & designation of the authorized person signing the Bid-Securing Declaration Form:

Duly authorized to sign the bid for and on behalf of: _____ (complete name of Bidder)

Dated on _____ day of _____ month, _____ year.

(Note: In case of a Joint Venture, the Bid Security Declaration must be in the name of all partners to the Joint Venture that submits the bid).

5.2. Manufacturers /Producers Authorization Form (MAF)

(To be submitted Original on the OEM Letter Head)

Letter No._____   Date:_____

To

The General Manager (Admin)
Odisha Computer Application Centre
Bhubaneswar

Sub : OEM Authorization Letter

Dear Sir:

Ref: Your RFP Reference No: XXXXX

We, who are established and reputable manufacturers / producers of _____ having factories / development facilities at (*address of factory / facility)* do hereby authorize M/s _____ *(Name and address of Agent)* to submit a Bid, and sign the contract with you against the above Bid Invitation.

We hereby extend our full guarantee and warranty for the Solution, Products and services offered by the above firm against this Bid Invitation.

We also undertake to provide any or all of the following materials, notifications, and information pertaining to the Products manufactured or distributed by the Supplier :

a. Such Products as OCAC may opt to purchase from the Supplier, provided, that this option shall not relieve the Supplier of any warranty obligations under the Contract; and

b. in the event of termination of production of such Products:

   i. Advance notification to OCAC of the pending termination, in sufficient time to permit to procure needed requirements; and

   ii. Following such termination, furnishing at no cost to OCAC, the blueprints, design documents, operations manuals, standards, source codes and specifications of the Products, if requested.

We duly authorize the said firm to act on our behalf in fulfilling all installations, Technical support and maintenance obligations required by the contract.

Yours faithfully,

(Name)
(Name of Producers)

Note - 1: This letter of authority should be on the letterhead of the manufacturer and should be signed by a person competent and having the power of attorney to bind the manufacturer. The Bidder in its Bid should include it.

5.3. Declaration and Undertaking from Original Equipment Manufacturer (OEM)
(To be submitted Original on the OEM Letter Head)

Date: _____

To
The General Manager (Admin)
Odisha Computer Application Centre
Plot No. - N-1/7-D, Acharya Vihar
P.O. - RRL, Bhubaneswar - 751013
EPBX: 0674-2567280/2567064/2567295
Fax: +91-0674-2567842

Sub: Undertaking by Original Equipment Manufacturer against tender No. _____ dated _____ for RFP for IT Equipment's Upgrade of Odisha State Data Centre (OSDC) Bhubaneswar.

Dear Sir/ Madam,

I/We, M/s _____(Name of the OEM) having registered office at _____(address of the manufacturer) by virtue of being original equipment manufacturer for the _____ (Name of the product/s).

We hereby confirm the following points.
1. Parts supplied by us are certified and compatible with the offered solution.
2. Parts supplied and available are not declared as End-Of-Life/ EOS for next Seven Years from the date of acceptance. After installation, if such parts are found End-Of-Life, then it will be our responsibility to replace with newer and higher compatible parts along with implementation at no cost to the OCAC.

The undersigned is authorised to issue such authorisation on behalf of M/s _____ (Name of the manufacturer).

For M/s _____(Name of the manufacturer)
Signature & company seal

Name
Designation
Email
Mobile No.

Note: Separate undertakings are essential from each OEM, interconnects and software.

5.4. Financial Proposal

RFP Reference No: XXX-XXX-XXX

COMMERCIAL BID FORMAT

Sl. No.	Item	Bill of Quantity (A)	Unit Price (B)	GST Per Unit (C)	Total Unit Cost (D) (D=B+C)	Total (A x D)
1.	VMware vCloud Suite Enterprise	68				
2.	VMware NSX-T Advanced	68				
3.	VMware vRealize Network Insight Advanced	68				
4.	One time implementation cost	-				
	Grand Total Including GST					
Total Cost In Words						

Seal of the Company   Authorised Signatory

"I/WE UNDERSTAND THAT THE QUANTITY PROVIDED ABOVE IS SUBJECT TO CHANGE. I/WE AGREE THAT IN CASE OF ANY CHANGE IN THE QUANTITIES REQUIRED, I/ WE WOULD BE SUPPLYING THE SAME AT THE RATES AS SPECIFIED IN THIS COMMERCIAL BID. I /WE AGREE TO ADHERE TO THE PRICES GIVEN ABOVE EVEN IF THE QUANTITIES UNDERGO A CHANGE".

5.5. Performance Bank Guarantee (PBG)

To

The General Manager (Admin)
Odisha Computer Application Centre
Plot No. - N-1/7-D, Acharya Vihar
P.O.- RRL, Bhubaneswar - 751013
EPBX: 0674-2567280/2567064/2567295
Fax: +91-0674-2567842

Whereas, < < name of the supplier and address > > (hereinafter called "the Bidder") has undertaken, in pursuance of contract no. < < insert contract no. > > dated. < < insert date > > to provide Implementation services for < < name of the assignment > > to OCAC (hereinafter called "the beneficiary")

And whereas it has been stipulated by in the said contract that the Bidder shall furnish you with a bank guarantee by a recognized bank for the sum specified therein as security for compliance with its obligations in accordance with the contract;

And whereas we, < < name of the bank > > a banking company incorporated and having its head /registered office at < < address of the registered office > > and having one of its office at < < address of the local office > > have agreed to give the supplier such a bank guarantee.

Now, therefore, we hereby affirm that we are guarantors and responsible to you, on behalf of the supplier, upto a total of Rs.< < insert value > > (Rupees < < insert value in words > > only) and we undertake to pay you, upon your first written demand declaring the supplier to be in default under the contract and without cavil or argument, any sum or sums within the limits of Rs .< < insert value > > (Rupees < < insert value in words > > only) as aforesaid, without your needing to prove or to show grounds or reasons for your demand or the sum specified therein.

We hereby waive the necessity of your demanding the said debt from the Bidder before presenting us with the demand.

We further agree that no change or addition to or other modification of the terms of the contract to be performed there under or of any of the contract documents which may be made between you and the Bidder shall in any way release us from any liability under this guarantee and we hereby waive notice of any such change, addition or modification.

This Guarantee shall be valid until < < *Insert Date* > >)

Notwithstanding anything contained herein:

   I.   Our liability under this bank guarantee shall not exceed Rs < < insert value > > (rupees < < insert value in words > > only).

II.   This bank guarantee shall be valid up to *< < insert expiry date > >*)

III.   It is condition of our liability for payment of the guaranteed amount or any part thereof arising under this bank guarantee that we receive a valid written claim or demand for payment under this bank guarantee on or before *< < insert expiry date > >*) failing which our liability under the guarantee will automatically cease.

(Authorized Signatory of the Bank)
Seal:
Date: