



**RFP for Supply, Installation & Warranty support of
IT Infrastructure
for
Odisha State Data Centre(OSDC), Bhubaneswar**

RFP Enquiry No. : OCAC-NeGP-INFRA-0024-2018-19012

Date : 08-03-2019

DISCLAIMER

The information contained in this Tender document or subsequently provided to **Bidder(s)**, whether verbally or in documentary or any other form by Odisha Computer Application Centre (OCAC) or any of their employees is provided to Bidder(s) on the terms and conditions set out in this Tender Document and such other terms and conditions subject to which such information is provided.

This Tender is not an agreement and is neither an offer nor invitation by the OCAC to the Bidders or any other person. The purpose of this Tender is to provide interested parties with information that may be useful to them in making their technical and financial offers pursuant to this Tender (the "**Bid**"). This Tender includes statements, which reflect various assumptions and assessments arrived at by the OCAC in relation to the Project. Such assumptions, assessments and statements do not purport to contain all the information that each Bidder may require. This Tender may not be appropriate for all persons, and it is not possible for the OCAC, to consider the technical capabilities, investment objectives, financial situation and particular needs of each party who reads or uses this Tender. The assumptions, assessments, statements and information contained in this Tender, may not be complete, accurate, adequate or correct. Each Bidder should, therefore, conduct its own investigations, studies and analysis and should check the accuracy, adequacy, correctness, reliability and completeness of the assumptions, assessments, statements and information contained in this Tender and obtain independent advice from appropriate sources.

Information provided in this Tender to the Bidder(s) is on a wide range of matters, some of which depends upon interpretation of law. The information given is not an exhaustive account of statutory requirements and should not be regarded as a complete or authoritative statement of law. OCAC accepts no responsibility for the accuracy or otherwise for any interpretation or opinion on law expressed herein.

OCAC, makes no representation or warranty and shall have no liability to any person, including any Bidder under any law, statute, rules or regulations or tort, principles of restitution or unjust enrichment or otherwise for any loss, damages, cost or expense which may arise from or be incurred or suffered on account of anything contained in this Tender or otherwise, including the accuracy, adequacy, correctness, completeness or reliability of the Tender and any assessment, assumption, statement or information contained therein or deemed to form part of this Tender or arising in any way in this Bid Stage. OCAC also accepts no liability of any nature whether resulting from negligence or otherwise howsoever caused arising from reliance of any Bidder upon the statements contained in this Tender.

OCAC may in its absolute discretion, but without being under any obligation to do so, update, amend or supplement the information, assessment or assumptions contained in this Tender. The issue of this Tender does not imply that OCAC is bound to select a Bidder or to appoint the Preferred Bidder, as the case may be, for the Project and OCAC reserves the right to reject all or any of the Bidders or Bids without assigning any reason whatsoever.

OCAC reserves all the rights to cancel, terminate, change or modify this selection process and/or requirements of bidding stated in the Tender, at any time without assigning any reason or providing any notice and without accepting any liability for the same.

The Bidder shall bear all its costs associated with or relating to the preparation and submission of its Bid including but not limited to preparation, copying, postage, delivery fees, expenses associated with any demonstrations or presentations which may be required by OCAC or any other costs incurred in connection with or relating to its Bid. All such costs and expenses will remain with the Bidder and OCAC shall not be liable in any manner whatsoever for the same or for any other costs or other expenses incurred by a Bidder in preparation or submission of the Bid, regardless of the conduct or outcome of the Bidding Process.

RFP SCHEDULE

Sl. No.	Items	Date & Time	
01	Commencement of the bid	08.03.2019	
02	Last date for receiving queries through E-mail: osdc@ocac.in & sk.bhol@nic.in	5:00 PM, 18.03.2019	
03	Pre Bid Conference	4:00 PM, 20.03.2019	
04	Issue of Corrigendum (if required)	To be Informed.	
05	Last date and time for Submission of Bid	2:00 PM, 08.04.2019	
06	Opening of Pre-Qualification Bids (PQ)	Package I	3:30 PM, 08.04.2019
		Package II	4:00 PM, 08.04.2019
		Package III	4:30 PM, 08.04.2019
		Package IV	5:00 PM, 08.04.2019
07	Opening of Technical Bids (TB)	To be Informed.	
08	Opening of Commercial Bids (CB)	To be Informed.	

1. Fact Sheet:

This Fact Sheet comprising important factual data of the tender is for quick reference of the bidder.

Clause Reference	Topic										
The Proposal	Odisha Computer Application Centre (OCAC) invites bid for Supply, Installation & Warranty support of different package of IT infrastructure for Odisha State Data Centre (OSDC).										
	<table border="1"> <thead> <tr> <th>Package List</th> <th>Items</th> </tr> </thead> <tbody> <tr> <td>Package I</td> <td>Server & OS</td> </tr> <tr> <td>Package II</td> <td>D2D and backup software</td> </tr> <tr> <td>Package III</td> <td>Video Wall & 49" LED TV</td> </tr> <tr> <td>Package IV</td> <td>VMware</td> </tr> </tbody> </table>	Package List	Items	Package I	Server & OS	Package II	D2D and backup software	Package III	Video Wall & 49" LED TV	Package IV	VMware
	Package List	Items									
	Package I	Server & OS									
	Package II	D2D and backup software									
	Package III	Video Wall & 49" LED TV									
Package IV	VMware										
Note: Bidder can bid for any package/all package/combination of package											
Method of Selection	Cost Based Selection method (Least cost method) shall be used to select the Bidder to Supply, Installation & Warranty support of IT infrastructure of SDC. The bidder has to apply the bid for each package in three envelop system, General (Pre-qualification), Technical & Commercial bid. Technical bid of those bidders who qualify in General Bid shall be opened. Commercial bid of those bidders who qualify in Technical Bid shall be opened. The least value Bid (i.e. the bidder quoting minimum amount) will be given preference in the order of selection.										
	RFP Document can be downloaded from http://www.ocac.in or http://www.odisha.gov.in . The bidders are required to submit the RFP document Fee of Rs. 5,000/- (Rupees Five thousand only) in the form of a demand draft in favour of “Odisha Computer Application Centre” , payable at Bhubaneswar from any of the Scheduled Bank along with the Proposal (The bidder can produce the document fee once if applying for different package).										
Earnest Money Deposit (EMD)	Earnest Money Deposit (EMD) should be in shape of Account payee Demand Draft or Bank Guarantee, from any Scheduled Bank, in favor of Odisha Computer Application Centre payable at Bhubaneswar.										
	<table border="1"> <thead> <tr> <th>Package List</th> <th>EMD Value</th> </tr> </thead> <tbody> <tr> <td>Package I</td> <td>Rs. 4,00,000/-</td> </tr> <tr> <td>Package II</td> <td>Rs. 4,00,000/-</td> </tr> </tbody> </table>	Package List	EMD Value	Package I	Rs. 4,00,000/-	Package II	Rs. 4,00,000/-				
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IT Infrastructure Procurement RFP for OSDC

Clause Reference	Topic				
	<table border="1"> <tr> <td data-bbox="489 255 699 309">Package III</td> <td data-bbox="699 255 1388 309">Rs. 2,00,000/-</td> </tr> <tr> <td data-bbox="489 309 699 362">Package IV</td> <td data-bbox="699 309 1388 362">Rs. 8,00,000/-</td> </tr> </table>	Package III	Rs. 2,00,000/-	Package IV	Rs. 8,00,000/-
Package III	Rs. 2,00,000/-				
Package IV	Rs. 8,00,000/-				
Scope of Work	Selected agency is expected to deliver the services listed in Scope of Work as mentioned in this RFP.				
Language	Bid must be prepared by the Bidder in English language only				
Currency	The bidder should quote in Indian Rupees only. The Total Price inclusive of taxes and duties will be considered for evaluation. So, the bidder must mention the base price and the tax component separately.				
Validity Period	Proposals/bid must remain valid minimum for 180 days from the last date of bid submission.				
Bid to be submitted on or before last date of submission at:	<p>The proposal must be submitted to:</p> <p>The General Manager (Admn.) Odisha Computer Application Centre (OCAC) OCAC Building, Plot No.-N-1/7-D, Acharya Vihar Square, RRL Post Office, Bhubaneswar-751013 (INDIA)</p> <p>For each package the bidder must submit, all the three sealed separate envelopes (PQ,TB & CB) shall be put in another separate envelope with superscription as</p> <p>“ RFP for Supply, Installation & Warranty support of IT Infrastructure for Odisha State Data Centre(OSDC), Bhubaneswar- Package No.__ [I/II/III/IV]” and RFP Enquiry No. OCAC-NeGP-INFRA-0024-2018/19012, Date 08/03/2019</p>				

2. Information

- i. Odisha Computer Application Centre (OCAC) invites responses (“Tenders”) to this Request for Proposals (“RFP”) from OEMs /authorized Partners (“Bidders”) for the provision of items as described in this RFP RFP for Supply, Installation & Warranty support of IT Infrastructure for Odisha State Data Centre(OSDC). OCAC is the Nodal Agency for this Government procurement.
- ii. Proposals must be received not later than time, date and venue mentioned in the Fact Sheet. Proposals that are received after the dateline WILL NOT be considered in this procurement process.

3. About OCAC

Odisha Computer Application Centre (OCAC), the Designated Technical Directorate of Electronics & Information Technology Department, Government of Odisha, has evolved through years as a center of excellence in IT solutions and e-Governance. It has contributed significantly to the steady growth of IT in the state. So it helps IT to reach the common citizen so as to narrow down the Digital Divide and widespread applications of IT is establishing a system where the citizens are receiving good governance ensuring speed of decisions from a transparent Government through an effective e-Governance System.

4. Instructions to the Bidders

4.1. 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.
- iv. This RFP supersedes and replaces any previous public documentation & communications in

this regard and Bidders should place no reliance on such communications.

4.2. 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

4.3. Pre-Bid Meeting & Clarifications

4.3.1. Bidders Queries

- i. OCAC shall hold a pre-bid meeting with the prospective bidders on **20/03/2019 at 4:00 PM** at OCAC premises.
- ii. 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 only on or before **18/03/2019 by 5:00 PM**. Queries submitted after the scheduled date and time, shall not be accepted.
- iii. 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.			

- iv. 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.

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

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

- iii. The Corrigendum (if any) & clarifications to the queries from all bidders will be posted on the websites www.ocac.in, www.odisha.gov.in.
- iv. Any such corrigendum shall be deemed to be incorporated into this RFP.
- v. 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.

4.4. Key Requirements of the Bid

4.4.1. 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.

4.4.2. 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.

4.4.3. 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.

4.4.4. RFP Document Fees

RFP document can be downloaded from the website www.ocac.in, www.odisha.gov.in. The bidders are required to submit the RFP document Fee of **Rs. 5,000/- (Rupees Five Thousand Only)** by Demand Draft in favour of "Odisha Computer Application Centre" and payable at Bhubaneswar from any of the Scheduled Bank along with the Proposal. Proposals received without or with inadequate RFP Document fees shall be rejected.

4.4.5. Earnest Money Deposit (EMD)

- i. Bidders shall submit, along with their Bids, EMD of **Rs. 4 Lakhs (Rupees Four Lakh Only) for Package – I, Rs. 4 Lakhs (Rupees Four Lakh Only) for Package – II, 2 Lakhs (Rupees Two Lakh Only) for Package – III & Rs. 8 Lakhs (Rupees Eight Lakh Only) for Package – IV**, in form of a Demand Draft OR Bank Guarantee (in the format specified in **Clause 11.4**) issued by any Scheduled Bank in favour of "Odisha Computer Application Centre", payable at **Bhubaneswar**, and should be valid for **180 days** from the last date of submission of the RFP.
- ii. EMD of all unsuccessful bidders would be refunded by OCAC within **90 days** of the bidder being notified as being unsuccessful. The EMD, for the amount mentioned above, of successful bidder

would be returned upon submission of Performance Bank Guarantee as per the format provided in **Appendix III**.

- iii. The EMD amount is interest free and will be refundable to the unsuccessful bidders without any accrued interest on it.
- iv. The bid / proposal submitted without EMD, mentioned above, will be summarily rejected.
- v. The EMD may be forfeited:
 - If a bidder withdraws its bid during the period of bid validity.
 - In case of a successful bidder, if the bidder fails to sign the contract in accordance with this RFP.

4.4.6. Performance Bank Guarantee (PBG)

- i. OCAC will require the selected bidder to provide a Performance Bank Guarantee (PBG) for respective Package, within **15 days** from the Notification of award, for a value equivalent to **10%** of the total order value.
- ii. The Performance Bank Guarantee needs to be valid till **Entire Project Period of Respective Package and 60 Days** from the date of completion of delivery of all materials. 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.
- iii. 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 forfeit the EMD.
- iv. 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.
- v. OCAC shall invoke the performance Bank Guarantee in case the selected Vendor 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.
- vi. 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.
- vii. No interest will be paid by OCAC on the amount of performance Bank Guarantee

4.4.7. Venue & Deadline for Submission of proposals

Proposals, in its complete form in all respects as specified in the RFP, must be submitted to OCAC at the address specified below:

Addressed To	General Manager (Admn)
Name	Odisha Computer Application Centre (OCAC)
Address	Plot No.- N- 1/7-D,PO-RRL,Acharya Vihar, Bhubaneswar-751013
Telephone	0674-2567280,2567064,2567295
Fax Nos.	0674-2567842
Last Date & Time of	08.04.2019, 2 :00 PM

Submission	
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4.4.7.1. 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 shall not be responsible for any postal delay or non-receipt/ non-delivery of the documents. No further correspondence on the subject will be entertained.
 - iv. OCAC reserves the right to modify and amend any of the above-stipulated condition/criterion depending upon project priorities and need.
- 4.5. **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.
- 4.6. **Delivery:** The delivery to be done at OSDC, Bhubaneswar and should be completed within 8 (Eight) Weeks from the date of issue of Purchase Order
- 4.7. **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.
- 4.8. 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.
- 4.9. The PB Queries of only those bidders/ OEMs shall be entertained and responded to who have purchased the Tender Document i.e.; deposited the prescribed tender fee.
- 4.10. Materials must be properly packed against any damage and insured up to the destination. The material should directly be supplied to **OSDC, Bhubaneswar**. All the expenses involved in shipping the equipment to OSDC, shall be borne by the Bidder. All aspects of safe delivery shall be the exclusive responsibility of the Bidder. **OCAC**, will have the right to reject the component / equipments supplied, if it does not comply with the specifications at any point of installation / inspection.
- 4.11. Earnest Money is liable to be forfeited and bid is liable to be rejected, if the bidder withdraw or amends, impairs or derogates from the tender in any respect within the validity period of the tender.
- 4.12. The Earnest Money of all unsuccessful bidders shall be returned as early as possible. No interest will be payable by OCAC on the Earnest Money Deposit. The Earnest Money of successful bidder shall be returned after successful completion of entire

work and submission of Performance Bank Guarantee (PBG) towards 10% of order value.

- 4.13. If any equipment or part thereof is lost or rendered defective during transit, the supplier shall immediately arrange for the supply of the equipment or part thereof, as the case may be, at no extra cost.
- 4.14. The rates should be quoted in **Indian Rupees**, for the entire work to be done at site, IN FIGURES only.
- 4.15. Govt. Levies like GST shall be paid at actual rates applicable on the date of submission of Bid. Rates should be quoted accordingly giving the basic price and GST.
- 4.16. OCAC reserves the right to accept / reject the offers or cancel the whole tender proceedings without assigning any reason whatsoever. Late / Delayed offers shall not be accepted under any circumstances. Incomplete offers will be rejected.
- 4.17. OCAC shall not be responsible for delayed submission or non- submission of bid due to any reason whatsoever. The bidders are requested to submit the bid much before date & time of submission, failing which OCAC shall not be responsible for any such delay.
- 4.18. Any attempt of direct or indirect negotiations on the part of the bidder with the authority to whom the bid has been submitted or authority who is competent to finally accept / reject the same after the tender has been submitted or any endeavor to secure any interest for an actual or prospective bidder or to influence by any means the acceptance of a particular tender will render the tender liable to be rejected.
- 4.19. **Unsatisfactory Performance:** The Parties herein agree that OCAC shall have the sole and discretionary right to assess the performance(s) of the Bidder component(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.

4.20. 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 endeavours. 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

4.21. 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

4.22. 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.

4.23. 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

4.24. Declaration:

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

"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".

Package-1

5. Scope of Work (Package-I)

5.1. Rack server

Supply, Installation, Configuration & Warranty support of 12 No. of Rack Server as per technical specification at Odisha State Data Centre, OCAC.

5.2. Technical Specification

i. Rack Server (Quantity - 12 Nos.)

Make & Model

S. No.	Parameter	Functionality	Compliance
1.	Processor	The server should have 2 nos. of Intel Xeon Processor latest family of 28 cores or higher (64-bit x86 processor fully binary compatible to 32-bit applications) @minimum 2.1 GHz clockrate. Number of cores on a single die/socket will be treated as a single processor	
2.	Memory	512GB latest DDR memory using 32 GB DIMM's upgradable to 768 GB. The proposed expandability should be met by adding more memory modules of same capacity. Advanced ECC with multi-bit error protection	
3.	HDD Controller	12 Gbps SAS RAID Controller supporting RAID 0, 1, 5 and 6 with 2GB battery backed up Cache	
4.	HDD	4x600 GB SAS Hot swap HDD (15Krpm or higher)	
5.	Video Controller	Integrated Graphics Controller	
6.	Network Controller	Minimum 2 x 1 Gbps ports & Two nos Dual 10/25 Gbps SFP28 (10G-SR populated) ports	
7.	Fiber Channel HBA	Two nos Dual FC Port 16 Gbps with two nos of 5mtr LC-LC Cable	
8.	Slots	Minimum one free PCI/PCI-x/PCI-Express	
9.	Ports	2* USB; 1* Keyboard Port & 1*Mouse Port (on board/dongle), One dedicated Ethernet Port for OS independent out-of-band hardware management.	
10.	Bays	Minimum 8 Hot Swap drive bays	
11.	Optical Drive	DVD ROM Internal/External	
12.	System Chassis	Rack Mount, 2U (max), Redundant Hot Swappable Power Supply with platinum efficiency	
13.	OS Certification	Certification for latest Server version of Windows and minimum two Linux flavours	
14.	Drive / Software Utilities	All required device drivers for OS installation, System Configuration and Server Management	
15.	System Management	<ul style="list-style-type: none"> Monitoring ongoing management, service alerting, reporting and remote management with embedded dedicated Gigabit out of band management port. Remote Management of Server over LAN & WAN with SSL encryption, Virtual Media and virtual folder with required advanced license, Remote KVM, Server Health logging, Directory Services compliance (AD or LDAP), Multi- 	

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		<p>factor authentication, REST/XML API, group management of power, configuration, licenses including firmware, Configuration backup, Syslog (local & remote)</p> <ul style="list-style-type: none"> • Management software should support integration with popular virtualization platform management software like VCenter, SCVMM and Red Hat RHEV. • Offered Server platform must be ready for container workload deployment. 	
16.	Serviceability	<ul style="list-style-type: none"> ▪ System should support embedded remote support to transmit hardware events directly to OEM or an authorized partner for automated phone support. The server should support monitoring and recording changes in the server hardware and system configuration. It assists in diagnosing problems and delivering rapid resolution when system failures occur. Should provide remote firmware update functionality. ▪ Should help provide proactive notification of actual or impending component failure alerts on critical components like CPU, Memory and HDD. Solution should help simplify the infrastructure management plan. ▪ Solution should be provided for monitoring & analysis feature to predict, prevent and auto-resolve problems and by providing automating case creation and log file submission for the problems that can't be auto-resolved. Solution shall help simplify the infrastructure management plan. Should provide silicon based hardware root of trust, automatic secure BIOS recovery, cryptographically signed firmware updates. 	
17.	Virtualization	Should support Industry Standard Virtualization Software	
18.	IDC Ranking	OEM should be ranked within Top 5 as per IDC report for Server in India for any quarter of 2018, Letter/Report from IDC should be attached along with the bid	
19.	Warranty	Five years on-site comprehensive OEM Warranty Support	
20.	IPv6 Support	All devices should be IPv6 implementation ready from day 1. No extra cost will be borne by OCAC for IPv6 implementation.	

ii. Microsoft windows server standard edition 2016- Paper license (Quantity - 50 Nos.)

5.3. 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 Technical Evaluation.

5.3.1. Pre-qualification Criteria

S. No.	Clause	Documents required
1.	The Bids should be submitted by only the 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 31.03.2018.	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) 10 crores in last three financial years and profitable during each of the previous	Copy of audited profit and loss account/balance sheet/annual report of the last three financial years.

S. No.	Clause	Documents required
	<p>three financial years ending on 31.03.2018</p> <p>Note: The turnover refers to the Bidder's firm and not the composite turnover of its subsidiaries/sister concerns etc.</p>	
4.	<p>(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, 2018.</p> <p>(b) The company must be registered with appropriate authorities for all applicable statutory duties/taxes</p>	<p>(a) Valid documentary proof of:</p> <ul style="list-style-type: none"> • Certificate of incorporation <p>(b) Valid documentary proof of:</p> <ul style="list-style-type: none"> • GST Identification number(GSTIN) • Income Tax registration/PAN number • Up to date GST Return • Income Tax returns for last three Financial years.
5.	<p>Bidder should have experience of supply, installation and annual maintenance services for IT Infrastructure projects and should have been in the business for a period exceeding three years as on 31.03.2018</p>	<ol style="list-style-type: none"> 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.	<ul style="list-style-type: none"> • The bidder must possess a valid ISO 9001. • The OEM of the products quoted by the bidder should have valid ISO 14000 certification 	<p>Copy of valid certificate at the time of bidding</p>
7.	<p>The bidder must have successfully undertaken at least the following numbers of systems implementation engagement(s) of value specified herein during the last three financial years i.e. 2015-16, 2016-17 & 2017-18 :</p> <ul style="list-style-type: none"> ➤ One project of similar nature not less than the amount Rs. 1.6 Crore; OR ➤ Two projects of similar nature each of which not less than the amount Rs. 1.2 Crore ; OR ➤ Three projects of similar nature each of which 	<p>Work order, Completion Certificate or phase completion certificate for ongoing project from the client</p>

S. No.	Clause	Documents required
	<p>is not less than the amount Rs. 0.8 Crore.</p> <p>'Similar Nature' is defined as ,</p> <p>Supply of Server Hardware, Storage solution, Tape Library, KVM Switch and Application software like Database, operating system, Virtualisation, etc. and their associated maintenance services for any government / public sector enterprises in India for</p>	
8.	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
9.	<p>The Bidder should submit valid letter from all the OEMs confirming the following:</p> <ul style="list-style-type: none"> • Authorization for Bidder • Confirm that 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 • Undertake that the support including spares, patches, upgrades for the quoted products shall be available for the period of 5 years from the date of acceptance. 	<p>Relevant documentary evidences like Authorization letters</p> <p>(MAF (Manufacturers authorization Form) from all OEMs whose products are being quoted by the Bidder need to be attached in the proposal)</p>
10	<p>I. The Bidder must have a registered office in Odisha.</p> <p>II. The Bidder must have service/maintenance professionals available in Odisha.</p>	A Self Certified letter by an authorized signatory mentioning the list of service/maintenance professionals.
11	<p>The bidder must have submitted Rs. 5000/- (Rupees Five thousand only) towards the cost of the Tender Document.</p> <p>The Bidder should furnish, as part of its Bid, an Earnest Money Deposit (EMD) of Rs. 4,00,000/-</p>	In shape of DD from a schedule bank

5.4. Bid Evaluation

5.4.1. Pre-Qualification

- (i) Bidder shall have to comply all the Pre-Qualification Criteria mentioned in Clause 5.3.1.
- (ii) Bidders only Qualified in the Pre-Qualification Criteria are eligible for Technical bid Evaluation.

5.4.2. Technical Bid

- (iii) Technical bid with full details including description of make & model of items / components for technical assessment of the proposal. The bidder must quote only for branded parts.
- (iv) An Undertaking as mentioned under Eligibility Criteria.
- (v) All the documentary proof of applicable standards and bench marks should be submitted along with the technical bids.
- (vi) 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
- (vii) 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.**
- (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.

Important Note:

- a) **If the bid is incomplete and / or non-responsive it will be rejected during technical evaluation. The bidder may not be approached for clarifications during the technical evaluation. So bidders are requested to ensure that they provide all necessarily details in the submitted bids.**
- b) **If any price details are found in the Technical Bid, the offer will be summarily rejected.**

5.4.3. Commercial Bid

- i. ***Commercial BID SHOULD be submitted in a sealed envelope as per the format specified in Financial Proposal of respective package.***
- 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.

5.4.4. Commercial Bid Evaluation

- i. The financial bids/ cover of bidders who qualify in 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.

5.4.5. 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.

Package-II

6. Scope of Work (Package-II)**6.1. BACKUP SOFTWARE & D2D BACKUP**

Supply, Installation, Configuration & Warranty support of Backup and D2D Software as per technical specification mention. On site training by certified trainer and proper knowledge transfer, technical documents, connectivity diagrams of both the modules to OSDC Team.

6.2. Technical Specification**i. Backup Software****Make & Model-****TECHNICAL SPECIFICATION FOR BACKUP SOFTWARE**

#	Component	Description	Complied (Yes/No)	Remarks
1	Management Software / Performance Management/ Quality of Service	Backup Software must support GUI with centralized management / Single interface for management of all backup activities across the entire storage capacity supplied. The backup software must have firewall support.		
2	Functionalities	Backup Software Must support de-duplication and based on policy backup software should be able to move data to a disk target and subsequently move it to a tape library automatically or manually(D2D2T). Restoration of data should happen directly to the production server, without any intermediate destination.		
		Backup software must include the feature for image backup of servers.		
		Backup software should be able to replicate Backup data to another site for compliance / Disaster Recovery purposes, with or without the need of external replication tools on Backup array. All necessary hardware and licenses for achieving consistent replication of backup data should be quoted.		
3	Licensing	Backup software licenses should be quoted on storage capacity basis. The offered license should cover the atleast 100 TB usable capacity, irrespective of No. of backup clients, configuration of backup clients, Tape drives, Tape libraries, etc. and should be able to perform SAN based / LAN Based backups.		
4	Software Support	Backup software should be able to protect the following without using third party agents enabling granular restores. Major DBs like Oracle, MS SQL, MySQL, Maria DB, Postgress, EDB etc. and Applications likes SAP, Oracle-Web logic, Oracle-UCM etc. across wide range of popular Windows / Linux and Unix flavors. Software licenses should be independent of number of servers / CPUs, configuration of the servers.		

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		Backup software should have the ability to integrate with array management software to initiate snaps / clones as valid backup copies and also perform Zero impact restores on production servers. Irrespective of the location of backup data, seamless and automated restores should be possible from the backup copy across snap /clone / external Disk or Tape targets.		
5	Backup & Restoration	Backup software should be able to schedule backup and restoration operations on the same host or any other host.		
6	High Availability	It should be possible to failover the backup server to an alternate server in case of failure of primary node by configuring the backup server in HA mode. All necessary hardware / software should be supplied.		
7	Fast Restoration	For Faster recovery, backup data should be preferably kept in usable format eliminating the need for restoring large amounts of data and simply mapping the production servers to the backup target array.		
8	Backup Server	The backup server (Catalog server) has to be sized based on the best practice of the solution The Data movers (Media servers) has to be sized based on the SLA defined.		
9	Encryption	The Backup software must support Blowfish 128 bits algorithm during data transfer (on the wire) and for data at rest (in the appliance) without the need for any additional licenses.		
10	Virtual machine support	The Backup software must offer flexible backup options including guest or image level backup for Virtualization environments with the option of recovering single files or entire virtual machine images. Backup Software is able to restore individual files and/or the entire virtual machine directly from a single backup. 100% of individual file or VM data is indexed and instantly restorable. Backup Software supports instant single file restores or entire VM restores from any block level incremental backup. The solution should support atleast VMware, Microsoft, KVM, XEN, RHEL etc virtual environments.		
11	Warranty	Comprehensive Onsite OEM Warranty for 5 Years. Solution should be quoted with 5 years direct OEM TAC support and Next Business Day hardware shipment from the date of installation without any extra cost.		

ii. D2D BACKUP**Make & Model-****TECHNICAL SPECIFICATION FOR D2D BACKUP**

#	Component	Description	Complied (Yes/No)	Remarks
1	OEM Eligibility Metric	The Backup software and the backup appliance should be from the same OEM. The OEM should also have offices in India.		
2	High Availability	The proposed disk based backup solution should support high availability. The solution will be addressed keeping in mind the D2D2T as per the policies required by the client		
3	Interfaces	Proposed disk based backup should support both FC and Ethernet connectivity		
4	Efficiency Features	Proposed disk backup solution should support data deduplication and/ or compression. Offered appliance shall have both client side (Server side) as well device side (D2D Appliance) de-duplication engine		
5	Cache	The proposed storage Array should have 128 GB Cache across dual controller's minimum or more.		
6	Capacity	Proposed D2D solution shall be quoted with at-least 100TB of usable capacity.		
7	Scalability	Proposed D2D solution shall be scalable to at-least 4 times of offered usable capacity in native mode		
8	RAID	Proposed disk based backup should be configured with RAID 5/6 option for Data disk and the OS disk should be on RAID 1. If required during the time of implementation, different RAID rroups- 5, 10 should be supported.		
9	Full Back up and restoration	Proposed solution should support full backup to disk or restoration of primary data.		
10	Replication	Proposed storage solution should support storage based replication. Any additional hardware or software required for the same should be provided on day one for full scalable capacity.		
11	Snapshots and Clones	Proposed storage solution should support thin provisioning and space efficient snapshots and clones, all required licenses to be quoted on day one for full scalable capacity. License for orchestrating snapshots, clones, replication should also be included as part of the BOM.		
12	Storage Performance Management	Proposed storage solution should support both current as well as historical performance monitoring for upto 12 months minimum or best. Any additional license required for the same should be included in the solution.		
13	D2D interface D2D Emuation	Offered D2D shall be offered with minimum of 4 x 16Gbps fiber channel ports and 4 x 10Gbps Ethernet ports.		
14	General feature	The solution must be capable to act as a centralized server		
		Management of the backup software and D2D backup solution must be from the same console.		
		The solution should provide Single patch upgrade for backup software, backup appliance, file system and security updates		

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		The solution should integrate with a variety of different disk array and software-based snapshot methods, including off-host backup and instant recovery, without the need for proxy servers or additional storage.		
		The solution should support disaster recovery features such as replication of deduplicated data, Catalog replication, and bare metal recovery.		
		The solution should be able to do selective/granular restore directly from the deduplicated backup without the need to duplicate or copy the backup to disk storage before restore.		
		The solution should support transfer of data either through the backup servers to the appliance or directly from the client to the appliance. Customer should be able to choose easily between two options with no more than single setting change		
		The solution should be able to take incremental merger of Oracle DB using snapshots.		
15	Reporting	The Solution should have a separate or integrated reporting module which should have following capabilities-		
		It should provides operational reporting and administration capabilities for up to 100 separate backup domains.		
		It should provides comprehensive long term reporting for trend analysis and compliance purposes. This option provides a 'business views' capability that gives administrator to obtain reports on the success rates of backups and data volumes specific to the departments.		
16	Warranty	Comprehensive Onsite OEM Warranty for 5 Years. Solution should be quoted with 5 years direct OEM TAC support and Next Business Day hardware shipment from the date of installation without any extra cost		

6.3. 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 Technical Evaluation.

6.3.1. Pre-qualification Criteria

S. No.	Clause	Documents required
1.	The Bids should be submitted by only the 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 31.03.2018.	A certified document by the Chartered Accountant stating the net worth and average annual turnover of the Bidder

S. No.	Clause	Documents required
3.	<p>The Bidder's average annual turnover should be more than (INR) 10 crores in last three financial years and profitable during each of the previous three financial years ending on 31.03.2018</p> <p>Note: The turnover refers to the Bidder's firm and not the composite turnover of its subsidiaries/sister concerns etc.</p>	Copy of audited profit and loss account/balance sheet/annual report of the last three financial years.
4.	<p>(c) 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, 2018.</p> <p>(d) The company must be registered with appropriate authorities for all applicable statutory duties/taxes</p>	<p>(c) Valid documentary proof of:</p> <ul style="list-style-type: none"> • Certificate of incorporation <p>(d) Valid documentary proof of:</p> <ul style="list-style-type: none"> • 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 annual maintenance services for IT Infrastructure projects and should have been in the business for a period exceeding three years as on 31.03.2018	<p>4. Work Orders confirming year and area of activity</p> <p>5. Memorandum and Articles of Associations</p> <p>6. Relevant legal documentation confirming the acquisition/merger, if any</p>
6.	<ul style="list-style-type: none"> • The bidder must possess a valid ISO 9001. • The OEM of the products quoted by the bidder should have valid ISO 14000 certification 	Copy of valid certificate at the time of bidding
7.	<p>The bidder must have successfully undertaken at least the following numbers of systems implementation engagement(s) of value specified herein during the last three financial years i.e. 2015-16, 2016-17 & 2017-18 :</p> <ul style="list-style-type: none"> ➤ One project of similar nature not less than the amount Rs. 1.6 Crore; OR ➤ Two projects of similar nature each of which 	Work order, Completion Certificate or phase completion certificate for ongoing project from the client

S. No.	Clause	Documents required
	<p>not less than the amount Rs. 1.2 Crore ; OR</p> <p>➤ Three projects of similar nature each of which is not less than the amount Rs. 80 Lakhs.</p> <p>'Similar Nature' is defined as ,</p> <p>Supply of Server Hardware, Storage solution, Tape Library, KVM Switch and Application software like Database, operating system, Virtualisation, etc. and their associated maintenance services for any government / public sector enterprises in India for</p>	
8.	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
9.	<p>The Bidder should submit valid letter from all the OEMs confirming the following:</p> <ul style="list-style-type: none"> • Authorization for Bidder • Confirm that 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 • Undertake that the support including spares, patches, upgrades for the quoted products shall be available for the period of 5 years from the date of acceptance. 	<p>Relevant documentary evidences like Authorization letters</p> <p>(MAF (Manufacturers authorization Form) from all OEMs whose products are being quoted by the Bidder need to be attached in the proposal)</p>
10	<p>I. The Bidder must have a registered office in Odisha.</p> <p>II. The Bidder must have service/maintenance professionals available in Odisha.</p>	A Self Certified letter by an authorized signatory mentioning the list of service/maintenance professionals.
11	The bidder must have submitted Rs. 5000/- (Rupees Five thousand only) towards the cost of the Tender	In shape of DD from a schedule bank

S. No.	Clause	Documents required
	Document. The Bidder should furnish, as part of its Bid, an Earnest Money Deposit (EMD) of Rs. 4,00,000/-	

6.4. Bid Evaluation

6.4.1. Pre-Qualification

- (ix) Bidder shall have to comply all the Pre-Qualification Criteria mentioned in Clause 6.3.1.
- (x) Bidders only Qualified in the Pre-Qualification Criteria are eligible for Technical bid Evaluation.

6.4.2. Technical Bid

- (xi) Technical bid with full details including description of make & model of items / components for technical assessment of the proposal. The bidder must quote only for branded parts.
- (xii) An Undertaking as mentioned under Eligibility Criteria.
- (xiii) All the documentary proof of applicable standards and bench marks should be submitted along with the technical bids.
- (xiv) 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
- (xv) 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.**
- (xvi) 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.

Important Note:

- c) **If the bid is incomplete and / or non-responsive it will be rejected during technical evaluation. The bidder may not be approached for clarifications during the technical evaluation. So bidders are requested to ensure that they provide all necessarily details in the submitted bids.**
- d) **If any price details are found in the Technical Bid, the offer will be summarily rejected.**

6.4.3. Commercial Bid

- vi. ***Commercial BID SHOULD be submitted in a sealed envelope as per the format specified in Financial Proposal of respective package.***
- vii. 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.
- viii. Prices should be given in INR in figures Only.
- ix. 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
- x. Price offered by the bidder shall not appear anywhere in any manner in the technical bid.

6.4.4. Commercial Bid Evaluation

- vii. The financial bids/ cover of bidders who qualify in 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.
- viii. The process of opening of financial bids/ covers shall be similar to that of Pre-Qualification – cum – Technical bids.
- ix. 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.
- x. 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.
- xi. The evaluation shall be made adding all schedules to arrive lowest quoted bid.
- xii. 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.

6.4.5. Correction of Arithmetic Errors

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

- iii. 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.
- iv. 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.
- v.

Package-III

7. Scope of Work (Package-III)

7.1. Video Wall

The detailed scope of work for state data centre at OCAC, Bhubaneswar is as follows:-

- i. Supply, installation, integration & maintenance of Video Wall Display Systems & LED TV complying with the technical specifications given in **Clause 7.3**.
- ii. The video wall solution should includes (2x2) matrix video displays to be fit an area of with 8 feet (L) and 4.5 feet (H) approximate for Video Wall Display System for **Composite Room**, (2x2) matrix video wall to be fit an area of 9 feet (L) and 4.5 feet (H) approximate for **Helpdesk Room**. The entire solution should includes the necessary display mounting kit for Video Wall Display System, a controller to manage the video wall display, video wall management software and sound system including the warranty/maintenance support for 5 years.
- iii. Supply and fixing of suitable wall mountable frame structure as per requirement at site for the installation of (2x2) matrixes Video Wall and fix it properly on the wall inside the composite room.
- iv. Supply and fixing of suitable wall/floor mountable frame structure as per requirement at site for the installation of (2x2) matrix video wall and fix it properly on the wall/floor inside Helpdesk Room.
- v. Supply & Fixing of suitable wall mountable frame structure, as per the requirement at site for the installation of (2x2) matrix video wall and fix it properly on the wall inside Staging Room.
- vi. Properly routing of cables (data, controller & power) and terminate it as per the requirement at all the three rooms.
- vii. Necessary color brightness & bezel alignment and calibration to be done across the complete wall at the above mentioned three rooms.
- viii. Installation of sound bar for all the rooms as per the required specification with proper cable routing arrangement. The sound bar for the above three rooms should install at bottom of the video wall or at appropriate location as suggested by the user.
- ix. Installation, commission and integration of video wall controller as per the specification given for each location and integrate with the video wall system with color brightness & bezel calibration.
- x. The solution will be interoperable and should integrate the output as per the requirement of the end user. For connecting non-HDMI base machine having VGA/DVI/DP interface with the video controller, required necessary converters should be supplied.
- xi. Required data switch to be supplied & configured with multiple number of Data/ AV sources, so as to achieve the desired output to displays at all the three locations.

- xii. All the data cables (Network) should be properly laid down as described from the required connectivity area and terminated properly. Extra Connectors required, being provided to complete the cabling work.
- xiii. Preparation of Standard Operating Procedure (SOP) documents for final acceptance of the systems by the bidder. The document will contain network diagram with hardware details, configuration details and common troubleshooting details etc.
- xiv. Onsite user level training for operating the system.
- xv. The proposed video wall system should have local support & service center at Bhubaneswar.
- xvi. The proposed video wall solution should Energy Star 6.0 or 14001 Certified.
- xvii. The bidder should supply the necessary passive components i.e. cables, connectors, electrical wiring etc. as per requirement at site to complete the installation and make it operational.

Note : - Bidder has to supply all HDMI, VGA Cables & Connectors / Adaptors of reputed brand with required quantity to complete the project as per scope of work mentioned at all three rooms of the State Data Centre.

7.1.1. Required Civil & Interior scope of work at all the three locations:-

- i. Installation of suitable wooden shelf below the video wall at all three rooms covering full width of the video wall for keeping all electronic gadgets, controller and other auxiliary items to give for a sturdy look. Proposed sound bar to be installed between wall and the shelf.
- ii. Complete removing / reworking of the existing opening or making a new opening, fixing of laminated boards with all required accessories, plastering & repainting etc., to be done at all three rooms.
- iii. Supply of required numbers of 16A power source, having independent control switch & feed should be sourced from nearest available power feeder (Raw/UPS), all complete irrespective of cable length & area to be covered in consultation with Project Manager State Data Centre.
- iv. Any damage to wall finish has to be redone, so as to give a finished look.

7.2. 49" LED TV

- i. The bidder should install LED TV's as per the Technical Specification. The LED TV's should be mounted on metal stand.
- ii. LED TV's must have HDMI port and should have the feature to automatically start in HDMI mode whenever it is powered ON.
- iii. Electrical wiring is to be carried on single cable running to all TV's with main control at starting end i.e electrical supply to all TV's can be put On/OFF from single control.
- iv. Network I/O mount box(1 No) and electrical 5amp sockets/switch(2 Nos) should be mounted for all TV's and Display Controller. HDMI cables to connect TV with Display

Controller and patch cords to connect Display Controller with I/O mount box required to be provided.

7.3. Technical Specification

7.3.1. Video Wall

Technical Specification for LED Full HD Display Video Wall System in (2x2) Matrix Format

SI No	Section	Item Description	Required Specification	Complied (Yes/No)
1	OEM Eligibility	<ol style="list-style-type: none"> 1. Tender specific OEM Authorization Certificate to be submitted. 2. Tender Specific Authorization Certificate from Odisha service in charge to be submitted. 3. Address of service centre at Odisha running more than 3 years of the OEM to be submitted. 		
2	Panel	Monitor Type	LED	
		Panel Technology	IPS	
		Monitor Size	49" diagonally	
		Aspect Ratio	(16:9)	
		Native Resolution	1,920 x 1,080 (Full HD) or Higher	
		Brightness	500 cd/m2 or higher	
		Contrast Ratio	1,200 : 1 or Better	
		Dynamic CR	500,000 : 1 or higher	
		Viewing Angle (H x V)	178 x 178 degree	
		Surface treatment	Hard coating , Anti-glare treatment of the front polarizer	
		Life Time	60000 Hours or Better	
		Guaranteed Operating Hour	24 Hours	
		Orientation	Portrait & Landscape both	
3	Connectivity	Inputs	HDMI, DVI-D, DP , OPS, Audio, RGB, USB 2.0 & USB 3.0	
		Outputs	DP, Audio	
		External Control	RS232C, RJ45, IR Receiver	
4	Physical Specification	Bezel Width	Less than 2 mm even (L/T/R/B) or better	
5	Environment Conditions	Operation Temperature	0 °C to 40 °C	
		Operation Humidity	10 % to 90 %	
6	Power	Power Supply	100-240V~, 50/60Hz	
		Power Consumption	160W or less	
		Smart Energy Saving	80W or more	
7	Industrial Grade Standard/Certification	Safety	UL / cUL / CB / TUV / KC	
		EMC	FCC Class "A" / CE / KCC	
		Energy Star	Energy Star 6.0	
8	Features	<ol style="list-style-type: none"> 1. Up to 15x15 tile mode, USB Playback, Smart Energy Saving, Temp Sensor, Internal Memory, WiFi Dongle Ready. 2. Video panel should be accessible from front side for any required maintenance. Video wall should be corrosion and dust proof. 		
SI.	Technical Specification for support stand for the above Video Wall			Complied

IT Infrastructure Procurement RFP for OSDC

No.		(Yes/No)
1	It should be the same OEM of Video Wall or Better	
2	It Should be made of Epoxy Powder Coated Mild steel.	
3	Should be fixed on wall with collapsible push/pull mount.	
4	Supporting Structure should take the load of video wall reliably	
Sl. No	Technical Specification (8x8) HDMI Matrix Switch with Scalar & Video Controller	Complied (Yes/No)
1	It should connect any of 8 HDMI sources to any of 8 HDMI displays	
2	It should have built-in Video Wall Feature which can provides up to 16 connection profiles that you can customize into layouts using the web GUI	
3	It should have Seamless Switch feature which provides continuous video streams, real-time switching and stable signal transmission	
4	It should feature a built in high-performance scalar function for best image quality	
5	It should easily switch between multiple sources and multiple displays	
6	It should have Built-in EDID wizard which provides an easy way to customized EDID settings	
7	Front Panel Configuration should have front panel LCD display and pushbuttons and IR remote control	
8	System should be able to operate using Serial controller, Browser Graphical User Interface (GUI) and Telnet	
9	It should have Built-in bi-directional RS-232 serial port for high-end system control	
10	It should support superior video quality - HDTV resolution of 480p, 720p, 1080i and 1080p (1920x1080)	
11	It should support Dolby True HD and DTS HD Master audio	
12	It should support Consumer Electronics Control (CEC)	
13	It should have Power On Detection feature in which if an HDMI source is powered off device should automatically switch to the next powered on source	
14	It should support IR signals for remote control	
15	It should be Firmware Upgradeable	
16	It should be Rack Mountable	
17	It should have all metal casing	
18	It should support long distance transmission up to 15 m (24 AWG)	
19	It should support HDMI (3D, Deep color) and should be HDCP compatible	
20	HDMI In: 8 x HDMI Type A Female	
21	HDMI Out: 8 x HDMI Type A Female	
22	Ethernet: 1 x RJ-45 Female	
23	RS-232: 1 x DB-9 Female	

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24	IR Input Port: 1 x Mini Stereo Jack Female	
25	Power: 1 x 3-prong AC Socket	
26	LCD: 1 x LCD Module	
27	In / Out: 8x8 buttons	
28	Cancel: 1 x Pushbutton	
29	Menu: 1 x Pushbutton	
30	Profile: 1 x Pushbutton	
31	Enter: 1 x Pushbutton	
32	I/P Rating Power: 100-240V ; 50-60Hz ; I.OA	
33	Power Consumption: 120V/60W; 230V/62W	
34	Operating Temp.: 0 - 50°C	
35	Storage Temp.: -20 - 60°C	
36	Humidity: 0-80% RH, Non-condensing	

Technical Specification of Sound Bar

Sl. No.	Section	Required Specification	Complied (Yes/No)
1	Convenience	Automatic Power on/off (TV linked)	
		Woofer Level Volume	
		Mute	
		Optical	
2	Highlight	Channel-2.1 Ch	
3	Power Out put	Front-25w x 2	
		Subwoofer-70w x 2	
		Total-320 W	
4	Power Input	Power Consumption-21 w	
5	Audio Format	Dolby Digital	
		DTS 2.0	
		LPCM	
6	Connectivity	Portable In	
		Optical	
		Bluetooth	
7	Audio Sound mode	Standard (By pass)	
		CINEMA (Movie)	
		MUSIC (Natural)	
		Loudness	
		Dynamic Range Control	
		Auto Volume Leveler	

Technical Specification Data Processor Hardware

Sl. No.	Item Description	Required Specification	Complied (Yes/No)
1	Operating System	Window 10 Home 64	

IT Infrastructure Procurement RFP for OSDC

2	Chipset	Intel H110	
3	Processor	Intel @ Core™ i5-6400T with Intel @HD Graphics 530 (2.2 GHz, up to 2.8 GHz,6 MB cache,4 cores	
4	Memory	8 GB DDR3L-1600 (1X8 GB)	
5	Hard drive description	1 TB 7200 rpm SATA	
6	Graphics	AMD Radeon R7 A360 (2 GB DDR3 dedicated)	
7	Optical drive	Ultra Slim-tray Super Multi DVD burner	
8	Display	23" diagonal touch-enabled WLED-BACKLIT (1920X1080)	
9	Wireless	802.11b/g/n (1x1) and Bluetooth@4.0 combo	
10	Network interface	Integrated 10/100/1000 Gigabit Ethernet LAN	
11	Ports	4 USB 2.0; 2 USB 3.0;1 headphone/ microphone combo	
12	Webcam	Integrated webcam with microphone	
13	Pointing device	Wireless optical mouse	
14	Keyboard	Wireless keyboard	
15	Audio features	B&O Play	
16	Power supply type	150W AC power adapter	

Note : - Onsite warrenty support for all the items in 7.3.1 must be for 5 Years from OEM

7.3.2. LED TV

Make & Model

Sl. No.	Item Description	Required Specification	Complied (Yes/No)
1.	Form Factor	LED TV	
2.	Active area	49"	
3.	Display	Full HD	
4.	Resolution	1920x1080 or higher	
5.	Interface	VGA, Audio-Input, USB – Min. 2 Nos., HDMI – Min. 2 Nos.	
6.	Audio	Inbuilt / Integrated speakers of same make (min. 2X10W)	
7.	Accessories	Cables and connectors as required with full function remote.	
8.	HDMI Cable	Two numbers of good quality HDMI cable (Male to Male) (1 Cable – 10mtr and 1 Cable – 15mtr)	
9.	Mounting	Wall Mount kit (VESA compatible)	
10.	Warranty	Onsite OEM warrenty for 5 Years	

7.4. 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 Technical Evaluation.

7.4.1. Pre-qualification Criteria

S. No.	Clause	Documents required
1.	The Bids should be submitted by only the 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 31.03.2018.	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)5 crores in the last three financial years and profitable during each of the previous three financial years ending on 31.03.2018 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.	(e) 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, 2018. (f) The company must be registered with appropriate authorities for all applicable statutory duties/taxes	(e) Valid documentary proof of: • Certificate of incorporation (f) Valid documentary proof of: • 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 annual maintenance services for Vedio Wall projects and should have been in the business for a period exceeding three years as on 31.01.2019	7. Work Orders confirming year and area of activity 8. Memorandum and Articles of Associations 9. Relevant legal documentation confirming the acquisition/merger, if any
6.	<ul style="list-style-type: none"> The bidder must possess a valid ISO 9001. The OEM of the products quoted by the bidder 	Copy of valid certificate at the time of bidding

S. No.	Clause	Documents required
	should have valid ISO 14000 certification	
7.	<p>The bidder must have successfully undertaken at least the following numbers of systems implementation engagement(s) of value specified herein during the last three financial years i.e. 2015-16, 2016-17 & 2017-18:</p> <ul style="list-style-type: none"> ➤ One project of similar nature not less than the amount Rs. 80 Lakh ; OR ➤ Two projects of similar nature each of which not less than the amount Rs. 60 Lakh ; OR ➤ Three projects of similar nature each of which not less than the amount Rs. 40 Lakhs. <p>'Similar Nature' is defined as ,</p> <p>Supply & installation of videowall and their associated maintenance services for any government / public sector enterprises in India</p>	Work order, Completion Certificate or phase completion certificate for ongoing project from the client
8.	The Bidder shall not be under a Declaration of Ineligibility for corrupt or fraudulent practices or blacklisted with any of the Government agencies.	Declaration in this regard by the authorized signatory of the Bidder

S. No.	Clause	Documents required
9.	<p>The Bidder should submit valid letter from all the OEMs confirming the following:</p> <ul style="list-style-type: none"> • Authorization for Bidder • Confirm that 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 • Undertake that the support including spares, patches, upgrades for the quoted products shall be available for the period of 5 years from the date of acceptance. 	<p>Relevant documentary evidences like Authorization letters (MAF (Manufacturers authorization Form) from all OEMs whose products are being quoted by the Bidder need to be attached in the proposal)</p>
10	<p>I. The Bidder must have a registered office in Odisha. II. The Bidder must have service/maintenance professionals available in Odisha.</p>	<p>A Self Certified letter by an authorized signatory mentioning the list of service/maintenance professionals.</p>
11	<p>The bidder must have submitted Rs. 5000/- (Rupees Five thousand only) towards the cost of the Tender Document. The Bidder should furnish, as part of its Bid, an Earnest Money Deposit (EMD) of Rs. 2,00,000/-</p>	<p>In shape of DD from a schedule bank</p>

7.5. Bid Evaluation

7.5.1. Pre-Qualification

- (xvii) Bidder shall have to comply all the Pre-Qualification Criteria metioned in Clause 7.3.1.
(xviii) Bidders only Qualified in the Pre-Qualification Criteria are eligible for Technical bid Evaluation.

7.5.2. Technical Bid

- (xix) Technical bid with full details including description of make & model of items / components for technical assessment of the proposal. The bidder must quote only for branded parts.
(xx) An Undertaking as mentioned under Eligibility Criteria.
(xxi) All the documentary proof of applicable standards and bench marks should be submitted along with the technical bids.
(xxii) 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
- (xxiii) 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.**
- (xxiv) 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.

Important Note:

- a) **If the bid is incomplete and / or non-responsive it will be rejected during technical evaluation. The bidder may not be approached for clarifications during the technical evaluation. So bidders are requested to ensure that they provide all necessarily details in the submitted bids.**
- b) **If any price details are found in the Technical Bid, the offer will be summarily rejected.**

7.5.3. Commercial Bid

- xi. Commercial BID SHOULD be submitted in a sealed envelope as per the format specified in Financial Proposal of respective package.*
- xii. 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.
- xiii. Prices should be given in INR in figures Only.
- xiv. 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
- xv. Price offered by the bidder shall not appear anywhere in any manner in the technical bid.

7.5.4. Commercial Bid Evaluation

- xiii. The financial bids/ cover of bidders who qualify in 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.
- xiv. The process of opening of financial bids/ covers shall be similar to that of Pre-Qualification – cum – Technical bids.
- xv. 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.

- xvi. 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.
- xvii. The evaluation shall be made adding all schedules to arrive lowest quoted bid.
- xviii. 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.

7.5.5. 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.

Package-IV

8. Scope of Work (VMWARE)

1. The scope of the work is to supply, install, configuration and integration of various software procured under this RFP like VMware vsphere, vRealize, NSX, network realize etc. for VMware Cloud suite with existing VMware private cloud infrastructure hosted at OSDC. The OEM "VMware" will provide support and maintenance of the software during the support period of 5 years with maximum response time of 2 hour and resolution time of 4 hours.
2. The OEM has to ensure that following cloud services has to be implemented,
 - I. Platform as a Service (PaaS),
 - II. Infrastructure as a Service (IaaS),
 - III. Software as a Service (SaaS),
 - IV. Storage as a Service (STaaS),
 - V. Backup as a Service (BaaS),
 - VI. Container as a Service (CaaS)
3. The OEM has to integrate and implement with the existing private cloud setup and solution at OSDC. If there is any issue occurred during the integration activity, bidder will take the responsibility for resolving the issue/performance of the existing private cloud infrastructure.
4. The OEM has to ensure on-site support 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.
5. Bidder should upgrade the 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.
6. Bidder should provide VMware Private Cloud suites & 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.
7. 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.
8. Technical and functional documentation of the entire project should be submitted to OSDC in Printed Book Format.
9. The bidder shall provide perpetual licenses for all software components proposed in the solution and should be in name of OSDC. The Software licenses proposed for all the components – vsphere, vRealize, NSX, network realize should be independent of hardware.
10. 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.
11. 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.

12. Detailed process documentation, SOP"s and management of solution should be created and submitted before project signoff.

8.1. Training

The Bidder will be responsible for training the OSDC Team in the areas of parameterization, implementation, migration, operations, management, error handling, system administration, etc. The training should at least cover the following areas:

- 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.

8.2. Technical Specification (VMWARE)

VMware vCloud suite enterprise should have vSphere, vRealize & vROPS.

Technical Specification VMware vSphere 6 Enterprise Plus is a part of vCloud Suite Enterprise		
S.No	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 be in Leaders Quadrant of 2015 Gartner Magic Quadrant for x86 Server Virtualization Infrastructure for continuous last 5 years	
3	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)	
4	Virtualization software should be able to boot from iSCSI, FCoE, and Fibre Channel SAN	
5	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	
6	Virtualization software shall have the capability for creating virtual machine templates to provision new servers	

IT Infrastructure Procurement RFP for OSDC

7	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	
8	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.	
9	Virtualization software should support connecting smart card readers to multiple virtual machines, which can then be used for smart card authentication to virtual Machines.	
10	Virtualization software should support live Virtual Machine migration with enhanced CPU compatibility and without the need for shared storage option.	
11	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)	
12	The solution should provide special integration with Storage API's providing integration with supported third-party data protection, multi-pathing and disk array solutions.	
13	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.	
14	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.	
15	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 intergration with anti-virus and anti malware solutions.	
16	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	
17	Virtualization software should provide software FCoE adaptor that can work with a network adaptor that support partial FCoE offload capabilities.	
18	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.	
19	Virtualization software shall allow creating virtual switches that connect virtual Machines	
20	Virtualization software shall support configurations of 802.1q VLANs which are compatible with standard VLAN implementations from other vendors	

IT Infrastructure Procurement RFP for OSDC

21	Virtualization software should allow dynamic adjustment of the teaming algorithm so that the load is always balanced across a team of physical network adapters	
22	Virtualization software shall allow RAM over-commitment that allows configuring virtual machine memory in such a way that safely exceeds physical server memory.	
23	Virtualization software should provide solution to automate and simplify the task of managing hypervisor installation, configuration and upgrade on multiple physical servers.	
24	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.	
25	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.	
26	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.	
27	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.	
28	The solution should provide link aggregation feature in the virtual switch which will provide choice in hashing algorithms on which link aggregation is decided and this should also provide multiple link aggregation groups to be provided in a single host (64 groups per physical host)	
29	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	
30	Hypervisor should have capability similar of Virtual Volumes which enables abstraction for external storage (SAN and NAS) devices making them Virtualization aware.	
31	Virtualization software shall continuously monitor utilization across virtual machines and should intelligently allocate available resources among virtual machines	
32	Virtualization software should provide enhanced visibility into storage throughput and latency of hosts and virtual machines that can help in troubleshooting storage performance issues.	
33	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.	
34	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.	

IT Infrastructure Procurement RFP for OSDC

35	Virtualization software should provide proactive High availability capability that utilizes server health information and migrates VMs from degraded hosts before problem occurs	
36	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	
37	Virtualization software should provide VM-level encryption protects unauthorized data access both at-rest and in-motion	
38	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	
39	It should support hardware as well as non-hardware accelerated 3D graphics to run Basic 3D applications in virtual machines.	
40	The solution should provide in-built enhanced host-level packet capture tool which will provide functionalities like SPAN, RSPAN, 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	
41	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.	
42	The solution should provide an option to easily deploy and manage big data solutions like Hadoop on the virtualization platform	
43	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.	
44	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.	
45	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	
46	Virtualization software should provide proactive High availability capability that utilizes server health information and migrates VMs from degraded hosts before problem occurs	
47	Hypervisor solution should provide platform for supporting 4K Native storage high capacity drives	
48	Hypervisor solution must skip hardware initialization steps and dramatically reduces time required for patching and upgrades.	
49	Hypervisor must be capable of Skipping a host reboot step and dramatically reduce time required for major version upgrades.	
50	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.	

IT Infrastructure Procurement RFP for OSDC

51	In order to provide enhanced security hypervisor solution must be FIPS 140-2 Compliance & TLS 1.2 Support as Default	
52	Hypervisor solution must have in builtSupports TPM 2.0 hardware modules and adds a virtual TPM device to shield guest OS from Operator or in-guest attacks.	
53	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.	
54	Hypervisor solution must intellegently learns the environment behavior; based on usage patterns, preemptively rebalances workloads before demand spikes.	
55	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 (Y/N)
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.	
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.	

IT Infrastructure Procurement RFP for OSDC

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	
22	The cloud management solution must provide Infrastructure as a Service (IaaS) and Anything as a Service (XaaS) ,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 NSX Advanced

S.No	Specifications	Compliance (Y/N)
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	Th proposed Network Virtualization solution must support existing OCAC VMware Network Virtualization solution	

Technical Specification of vRealize Network Insight Advance

S.No	Specifications	Compliance (Y/N)
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 pinning.	

8.3. 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 Technical Evaluation.

8.3.1. Pre-qualification Criteria

S. No.	Clause	Documents required
1.	The Bids should be submitted by only the 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 31.03.2018.	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 crores in the last three financial years and profitable during each of the previous three financial years ending on 31.03.2018 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.	(g) 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, 2018. (h) The company must be registered with appropriate authorities for all applicable statutory duties/taxes	(g) Valid documentary proof of: • Certificate of incorporation (h) Valid documentary proof of: • 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 annual maintenance services for IT Infrastructure projects and should have been in the business for a period exceeding three years as on 31.03.2018	10. Work Orders confirming year and area of activity 11. Memorandum and Articles of Associations 12. Relevant legal documentation confirming the acquisition/merger, if any
6.	• The bidder must possess a valid ISO 9001, ISO 20000 & 27000 Certification	Copy of valid certificate at the time of bidding

S. No.	Clause	Documents required
	<ul style="list-style-type: none"> The OEM of the products quoted by the bidder should have valid ISO 14000 certification 	
7.	<p>The bidder must have successfully undertaken at least the following numbers of systems implementation engagement(s) of value specified herein during the last three financial years i.e. 2015-16, 2016-17 & 2017-18:</p> <ul style="list-style-type: none"> ➤ One project of similar nature not less than the amount Rs. 3.2 Crore ; OR ➤ Two projects of similar nature each of which not less than the amount Rs. 2.4 Crore ; OR ➤ Three projects of similar nature each of which not less than the amount Rs. 1.6 Crore. <p>'Similar Nature' is defined as ,</p> <p>Supply of Server Hardware, Storage solution, Tape Library, KVM Switch and Application software like Database, operating system, Virtualisation, etc. and their associated maintenance services for any government / public sector enterprises in India.</p>	Work order, Completion Certificate or phase completion certificate for ongoing project from the client
8.	The Bidder shall not be under a Declaration of Ineligibility for corrupt or fraudulent practices or blacklisted with any of the Government agencies.	Declaration in this regard by the authorized signatory of the Bidder

S. No.	Clause	Documents required
9.	<p>The Bidder should submit valid letter from all the OEMs confirming the following:</p> <ul style="list-style-type: none"> • Authorization for Bidder • Confirm that 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 • Undertake that the support including spares, patches, upgrades for the quoted products shall be available for the period of 5 years from the date of acceptance. 	<p>Relevant documentary evidences like Authorization letters (MAF (Manufacturers authorization Form) from all OEMs whose products are being quoted by the Bidder need to be attached in the proposal)</p>
10.	<p>I. The Bidder must have a registered office in Odisha. II. The Bidder must have service/maintenance professionals available in Odisha.</p>	<p>A Self Certified letter by an authorized signatory mentioning the list of service/maintenance professionals.</p>
11.	<p>The bidder must have submitted Rs. 5000/- (Rupees Five thousand only) towards the cost of the Tender Document. The Bidder should furnish, as part of its Bid, an Earnest Money Deposit (EMD) of Rs. 8,00,000/-</p>	<p>In shape of DD from a schedule bank</p>

8.4. Bid Evaluation

8.4.1. Pre-Qualification

(xxv) Bidder shall have to comply all the Pre-Qualification Criteria metioned in Clause 8.3.1.

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

8.4.2. Technical Bid Evaluation

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

- a) Compliance to Technical Specifications as specified in the RFP.
- b) Review of written reply, if any, submitted in response to the clarification sought by OCAC/OSDC, if any.

- c) 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.**
- d) 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.
- e) OCAC may interact with the Customer references submitted by bidder, if required.
- f) OCAC reserves the right to shortlist bidders based on technical evaluation criteria.
- g) 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
- h) 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.

8.4.3. Commercial Bid

xvi. Commercial BID SHOULD be submitted in a sealed envelope as per the format specified in Financial Proposal of respective package.

- xvii. 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.
- xviii. Prices should be given in INR in figures Only.
- xix. 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
- xx. Price offered by the bidder shall not appear anywhere in any manner in the technical bid.

8.4.3.1. Commercial Bid Evaluation

- xix. The financial bids/ cover of bidders who qualify in 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.
- xx. The process of opening of financial bids/ covers shall be similar to that of Pre-Qualification – cum – Technical bids.
- xxi. 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.

- xxii. 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.
- xxiii. The evaluation shall be made adding all schedules to arrive lowest quoted bid.
- xxiv. 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.

8.4.3.2. 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.

Other Terms & Conditions of RFP

9. Bid Submission

The bid must be submitted in three separate envelopes as

- i. Pre-qualification Bid(As mentioned in eligibility conditions format)
- ii. Technical Bid
- iii. Commercial Bid

10. Section III: Special Conditions of Contract

10.1. **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

10.2. **Billing** is to be done in the name of Odisha Computer Application Centre, Plot No.-N-1/7-D, 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.

10.3. **Payment:**

10.3.1. Package-I, II, III & IV

90% of invoice value after satisfactory delivery of Respective Package, along with testing acknowledgement of confirmed delivery report, satisfactory test report, Installation and submission of invoice duly signed by OSDC's authorized representative at site. Balance 10% would be made after submission of Performance Bank Guarantee issued from a nationalized / scheduled bank of equivalent amount of Respective Package. 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.

10.4. **Warranty:** All the items covered in the schedule of the requirements /Bill of Material (BOM), shall carry **24 x 7 Comprehensive Onsite Response Warranty support from OEM** .

10.5. Escalation matrix should also be provided along with the technical bid.

10.6. All items should be configured onsite at OSDC premises by the certified OEM professionals.

11. Appendix I: Pre-Qualification & Technical Bid Templates

11.1. General

The bidders are expected to respond to the RFP using the forms given in this section and all documents supporting Pre-Qualification / Technical Evaluation Criteria.

Pre-Qualification Bid & Technical Proposal shall comprise of following forms :

Forms to be used in Pre-Qualification Proposal

Form 1: Compliance Sheet for Pre-qualification Proposal

Form 2: Particulars of the Bidders

Form 3: Manufacturers /Producers Authorization Form

Forms to be used in Technical Proposal

Form 4: Compliance Sheet for Technical Proposal

Form 5: Letter of Proposal

11.2. Form 1: Compliance Sheet for Pre-qualification Proposal

(The pre-qualification proposal should comprise of the following basic requirements. The documents mentioned in this compliance sheet along with this form, needs to be a part of the Pre-Qualification proposal)

S. No.	Basic Requirement	Documents Required	Provided	Reference & Page Number
1.	Document Fee	Demand Draft	Yes / No	
2	Power of Attorney	Copy of Power of Attorney in the name of the Authorized signatory	Yes / No	
3	Particulars of the Bidders	As per Form 2	Yes / No	
4	Earnest Money Deposit	Demand Draft /Bank Guarantee	Yes / No	
5	Average Sales Turnover in Hardware & Maintenance services	Extracts from the audited Balance sheet and Profit & Loss; OR Certificate from the statutory auditor	Yes / No	
6	Letter of authorization from OEM	Letter of authorization; as per template provided (Form 3)	Yes / No	
8	Technical Capability	Copy of work order	Yes / No	
9	Local Service Centres	A Self Certified letter by an authorized signatory	Yes / No	
10	Quality Certifications	ISO 9001, 20000 & 27000 Certification. ISO 14000 certification of the OEM	Yes / No	
11	Legal Entity	Copy of Certificate of Incorporation; GST, PAN, IT return, Up to Date GST Return	Yes / No	
12	Blacklisting & Performance	A self certified letter	Yes / No	

11.3. Form 2: Particulars of the Bidders

S No.	Information Sought	Details to be Furnished
a	Name ,address and URL of the bidding Company	
b	Incorporation status of the firm (public limited / private limited, etc.)	
c	Year of Establishment	
d	Date of registration	
e	RoC Reference No.	
f	Details of company registration	
g	Name, Address, e-mail ID, Phone nos. and Mobile Number of Contact Person	

11.4. Form 3: Bank Guarantee for Earnest Money Deposit (EMD)

< Location, Date >

To,

The General Manager (Admn)
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 bidder >> (hereinafter called the Bidder) has submitted the bid for Submission of RFP # << RFP Number >> dated << insert date >> for << name of the assignment >>(hereinafter called "the Bid") to Odisha Computer Application Centre

Know all Men by these presents that we <<>> having our office at << Address >> (hereinafter called "the Bank") are bound unto the << Nodal Agency >> (hereinafter called "the Purchaser") in the sum of Rs. << Amount in figures >> (Rupees << Amount in words >> only) for which payment well and truly to be made to the said Purchaser, the Bank binds itself, its successors and assigns by these presents. Sealed with the Common Seal of the said Bank this << insert date >>

The conditions of this obligation are:

1. If the Bidder having its bid withdrawn during the period of bid validity specified by the Bidder on the Bid Form; or
2. If the Bidder, having been notified of the acceptance of its bid by the Purchaser during the period of validity of bid
 - a. Withdraws his participation from the bid during the period of validity of bid document; or
 - b. Fails or refuses to participate for failure to respond in the subsequent Tender process after having been short listed;

We undertake to pay to the Purchaser up to the above amount upon receipt of its first written demand, without the Purchaser having to substantiate its demand, provided that in its demand the Purchaser will note that the amount claimed by it is due to it owing to the occurrence of one or both of the two conditions, specifying the occurred condition or conditions.

This guarantee will remain in force up to << insert date >> and including << extra time over and above mandated in the RFP >> from the last date of submission and any demand in respect thereof should reach the Bank not later than the above date.

NOTWITHSTANDING ANYTHING CONTAINED HEREIN:

- I. Our liability under this Bank Guarantee shall not exceed Rs. << Amount in figures >> (Rupees << Amount in words >> only)
- II. This Bank Guarantee shall be valid upto << *insert 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 date* >>) failing which our liability under the guarantee will automatically cease.

(Authorized Signatory of the Bank)

Seal:

Date:

11.5. Form 4: Manufacturers /Producers Authorization Form

Letter No. _____

Date: _____

To

The General Manager(Admn)
Odisha Computer Application Centre
Bhubaneswar

Sub : OEM Authorization Letter

Dear Sir:

Ref: Your RFP Ref: OCAC-NeGP-INFRA-0024-2018-19012

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: 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.

11.6. Form 5: Letter of Proposal

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

Subject: Submission of the Technical bid for Supply, Installation & Warranty support of IT Infrastructure at Odisha State Data Center, OCAC.

Dear Sir/Madam,

We, the undersigned, offer to provide Supply, Installation & Warranty support of IT Infrastructure for Odisha State Data Center, OCAC on with your RFP Ref No : _____ and our Proposal. We are hereby submitting our Proposal, which includes this Technical bid and the Financial Bid sealed in a separate envelope.

We hereby declare that all the information and statements made in this Technical bid are true and accept that any misinterpretation contained in it may lead to our disqualification.

We undertake, if our Proposal is accepted, to initiate the Implementation services related to the assignment not later than the date indicated in Fact Sheet.

We agree to abide by all the terms and conditions of the RFP document. We would hold the terms of our bid valid for 180 days as stipulated in the RFP document.

We understand you are not bound to accept any Proposal you receive.

Yours sincerely,

Authorized Signature [*In full and initials*]: _____

Name and Title of Signatory: _____

Name of Firm: _____

Address: _____

Location: _____

Date: _____

11.7. Appendix II : Commercial Proposal Templates

The bidders are expected to respond to the RFP using the forms given in this section for Commercial Proposal.

Form 6: Covering Letter

Form 7: Commercial Proposal - Package I

Form 8: Commercial Proposal - Package II

Form 9: Commercial Proposal - Package III

Form 10: Commercial Proposal - Package IV

11.8. Form 6: Covering Letter

< Location, 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

Subject: Submission of the Technical bid for Supply, Installation & Warranty support of IT Infrastructure at Odisha State Data Center, OCAC.

RFP Reference No : OCAC-NeGP-INFRA-0024-2018-19012

Dear Sir/Madam,

We, the undersigned, offer to provide the Implementation services for IT infrastructure supply & related services in accordance with your Request for Proposal cited above and our Proposal (Technical and Financial Proposals). Our attached Financial Proposal is for the sum of [*Amount in words and figures*]. This amount is exclusive of the local taxes.

Our Financial Proposal shall be binding upon us, up to expiration of the validity period of the Proposal, i.e., [*Date*].

We understand you are not bound to accept any Proposal you receive.

We remain,

Yours sincerely,

Authorized Signature:

Name and Title of Signatory:

Name of Firm:

Address:

11.9. Form 7: Financial ProposalRFP REFERENCE NO : **OCAC-NeGP-INFRA-0024-2018-19012****Package I****COMMERCIAL BID FORMAT**

Sl. No.	Item	Quantity (A)	Unit Price (B)	Taxes per Unit (C)	Total Unit Cost (d) (d=b+c)	Total a x d
1.	Rack Server	12				
2.	Microsoft windows server standard edition 2016	50				
3.	Other Cost (If any)					
Grand Total						
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”.

11.10. Form 8: Financial ProposalRFP REFERENCE NO : **OCAC-NeGP-INFRA-0024-2018-19012****Package II****COMMERCIAL BID FORMAT**

Sl. No.	Item	Quantity (A)	Unit Price (B)	Taxes per Unit (C)	Total Unit Cost (d) (d=b+c)	Total a x d
1.	Backup Software					
2.	D2D Backup					
3.	Other Cost (If any)					
Grand Total						
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”.

11.11. Form 9: Financial ProposalRFP REFERENCE NO : **OCAC-NeGP-INFRA-0024-2018-19012****COMMERCIAL BID FORMAT****Package III**

Sl. No.	Description	Make & Model Name	[A] Qty	UOM	[B] Unit Price for the Equipment (INR)	[C] Taxes as Applicable Per Unit (INR)	[D = A x (B+C)] Total Cost (INR)
1.	49" LED TV with all Accessories		3	No			
2.	49" (2X2) Video Wall Matrix		2	Set			
3.	Support Stand for Video Wall		2	Set			
4.	8x8 Matrix Switch with Scalar & Video Controller		2	Set			
5.	Data Processor Hardware		2	Set			
6.	Sound Bar		2	No			
7.	HDMI, VGA Cables & Connectors/Adaptors for Integration of Video Wall		LS	Lot			
8.	One time Complete Civil, Interiors & Electrical/Data Works etc., as per the site requirement		LS	Lot			
9.	One time Installation, Commissioning & Integration charges		LS	Job			
Total fixed price for LED TV & video wall solutions system including (Installation, Integration, warranty & support for a period of 5 years) at all the three rooms at State Data Centre							

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”.

11.12. Form 10: Financial ProposalRFP REFERENCE NO : **OCAC-NeGP-INFRA-0024-2018-19012****COMMERCIAL BID FORMAT****Package IV**

Sl. No.	Item	Quantity (A)	Unit Price (B)	Taxes per Unit (C)	Total Unit Cost (d) (d=b+c)	Total a x d
1.	VMware vcloud suite enterprise (vSphere, VRealize suite with vROPS)	24				
2.	VMware NSX (Advanced)	36				
3.	VMware vRealize Network Insight Advanced	40				
4.	Implementation cost (if any)					
Grand Total						
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”.

12. Appendix III: Templates

12.1. 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: