**RFP for IT Infrastructure Equipments (Switches and Servers)
for
Odisha State Data Centre (OSDC) Bhubaneswar**

RFP Enquiry No.   : OCAC-NEGP-INFRA-0005-2021-22027

Date   : 19 April 2022

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	19 April 2022
02	Last date for receiving queries through E-mail: osdc@ocac.in, sk.bhol@nic.in and https://enivida.odisha.gov.in/	26 April 2022 by 04:00 PM
03	Pre Bid Conference	28 April 2022 by 04:00 PM
04	Issue of Corrigendum (if required)	02 May 2022
05	Last date and time for Submission of Bid through e-Nivida portal.	17 May 2022 by 02:00 PM
06	Opening of Pre-Qualification (PQ)	17 May 2022 by 04:00 PM
07	Opening of Commercial Bids (CB)	To be Informed.

Table of Contents

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 IT Infrastructure Equipments (Switches and Servers) for Odisha State Data Centre (OSDC) Bhubaneswar.
Method of Selection	Least Cost Based Selection (L1) method shall be used to select the bidder. The bidder has to apply the bid in two cover system i.e. General (Pre-qualification) and Technical in one cover, and Commercial bid in other cover. Commercial bid of those bidders who qualify in General (Pre-qualification) and 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	RFP Document can be downloaded from **http://www.ocac.in,** or **http://www.odisha.gov.in** or **https://enivida.odisha.gov.in/**. The bidders are required to submit the RFP document fee of ₹11,200/- (inclusive of 12% GST) in the form of a demand draft in favour of **"Odisha Computer Application Centre"**, payable at **Bhubaneswar** from any of the Scheduled Commercial Bank along with the Proposal.
Earnest Money Deposit (EMD)	EMD should be in shape of Account payee Demand Draft or Bank Guarantee, from any Nationalized Bank or Scheduled Commercial Bank, in favor of Odisha Computer Application Centre payable at Bhubaneswar.
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:	The Proposal shall be submitted in online mode only using e-NIVIDA system available at https://enivida.odisha.gov.in/. The bidder should register himself in e-Nivida portal.

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. 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. Background

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

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

    1. Network Switch (Type – 1) : 04 Nos.
    2. Network Switch (Type – 2) : 01 No.
    3. Rack Server (Type – 1 & 2) : 12 Nos
    4. Windows Server 2019   : As per the details mentioned in this RFP
    5. Patch Cords   : As per the details mentioned in this RFP

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

a. OCAC shall hold a pre-bid meeting with the prospective bidders on scheduled date at OCAC premises or through Video Web Conference.

b. The Bidders will have to ensure that their queries for Pre-Bid meeting should reach in e-mail id – osdc@ocac.in , sk.bhol@nic.in and https://enivida.odisha.gov.in/ only on or before the scheduled timeline. Queries submitted after the scheduled date and time, shall not be accepted.

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

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

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

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

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

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

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

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

e. In order to provide prospective Bidders reasonable time for taking the

corrigendum into account, OCAC may, at its discretion, extend the last date for the receipt of Proposals.

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 & https://enivida.odisha.gov.in/.The bidders are required to submit the RFP document Fee in form of Demand Draft in favour of "Odisha Computer Application Centre" and payable at Bhubaneswar from any of the Scheduled Commercial 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 EMD in form of a Demand Draft OR Bank Guarantee (in the format specified in Clause 8.1.3) issued by any Nationalized Bank or Scheduled Commercial 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 Clause 9.

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

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. Deadline for Submission of proposals
Proposals, in its complete form in all respects as specified in the RFP, must be submitted through online in https://enivida.odisha.gov.in/ potal.

Last Date & Time of Submission	17 May 2022 by 02:00 PM

4.4.8. Late Bids

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

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

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

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 of infrastructure items to be completed within 12 (Tweleve) Weeks from the date of issue of Purchase Order.

Delivery Location: **Odisha State Data Centre (OSDC)**

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. Price

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

4.9. Unsatisfactory Performance

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

4.10. Dispute Resolution

i. Any dispute or difference, whatsoever, arising between the parties to this agreement arising out of or in relation to this agreement shall be amicably resolved by the Parties through mutual consultation, in good faith and using their best 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

4.11. Force Majeure

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

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

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

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

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

4.12. Disclaimer

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

4.13. IT Act

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

4.14. Declaration

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

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

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

5. Scope of Work

Supply, Installation, Configuration & Comprehensive Onsite Warranty support of supplied IT Hardwares and Operating Systems as per the technical specification.

5.1. Network Switch (Type – 1)
5.1.1. Total Quantity = 04 Nos (48 Ports)
5.1.2. Technical Specification (Make and Model)

Sl. No.	Specifications	Compliance (Yes/No)
	OEM Eligibility Criteria	
1	Switch OEM shall be in the leader's quadrant as per latest published Gartner's MQ report for Data Centre Network Infrastructure." Or "The Network OEM should be in Top-5 OEM of IDC report published for Asia Pacific region for last three consecutive quarter.	
	Solution Requirement	
2	The Switch should support non-blocking Layer 2 switching and Layer 3 routing	
3	There switch should not have any single point of failure like power supplies and fans etc should have 1:1/N+1 level of redundancy	
4	Switch support in-line hot insertion and removal of different parts like modules/power supplies/fan tray etc should not require switch reboot and disrupt the functionality of the system	
5	IPV6 Compliant: • Solution should be IPV6 ready from day1. No extra cost will be borne for IPV6 implementation • Switch should support the complete STACK of IP V4 and IP V6 services	
6	The Switch and different modules used should function in line rate and should not have any port with oversubscription ratio applied	
7	Switch port should well-matched and linked with firewall, IPS, Blade and Rack servers 10Gb/40Gb ports of OEM like HP, IBM, DELL etc.	
8	At least 8Nos of Switch port should downgrade to 1Gb copper RJ45 Ethernet ports and required transceivers to be supplied.	
9	Switch should supplied with Indian standard compatible IEC C13/C14 3pin power cord suitable for PDU.	
10	Switch should be supplied with necessary pathcord for HA	
11	Proposed solution should not declared with eol, eos or end of support by OEM. in the day of production.	
	Hardware and Interface Requirement	
12	Switch should have the following interfaces: i. 48 x 10G Fibre ports with SR modules Loaded ii. 6 x 40/100 GbE ports 40G/ 100G operations with patch cord.	
13	Switch should be rack mountable and support side rails if required	

14	Switch should have adequate power supply for the complete system usage with all slots populated and used and provide N+1 redundant hot swappable.	
15	Switch should have hardware health monitoring capabilities and should provide different parameters through SNMP	
16	Switch should support VLAN tagging (IEEE 802.1q)	
17	Switch should support IEEE Link Aggregation and Ethernet Bonding functionality to group multiple ports for redundancy	
18	Switch should support Configuration roll-back and check point	
19	Switch should support for different logical interface types like loopback, VLAN, SVI/RVI, Port Channel, multi chassis port channel/LAG etc	
20	Switch should have console port	
Performance Requirement		
21	The switch should support 12,000 IPv4 and IPv6 routes entries in the routing table including multicast routes	
22	Switch should support Graceful Restart for OSPF, BGP etc.	
23	Switch should support minimum 500 VRF/VNI instances	
24	The switch should support uninterrupted forwarding operation for OSPF, BGP etc. routing protocol to ensure high-availability.	
25	The switch should support hardware based loadbalancing at wire speed using LACP and multi chassis etherchannel/LAG	
26	Switch should support minimum 1.4 Tbps of switching capacity (or as per specifications of the switch if quantity of switches are more, but should be non blocking capacity) including the services: a. Switching b. IP Routing (Static/Dynamic) c. IP Forwarding d. Policy Based Routing e. QoS f. ACL and Other IP Services g. IP V.6 host and IP V.6 routing	
Advance Features		
27	Switch should support Data Center Bridging	
28	Switch should support common configuration like mirroring, trunking, port violation, port restriction, inter VLAN routing, STP, BPDU, etc.	
29	Switch should support multi OEM hypervisor environment and should support features for programmable configuration change	
Layer2 Features		
30	Spanning Tree Protocol (IEEE 8201.D, 802.1W, 802.1S)	
31	Switch should support VLAN Trunking (802.1q) and should support 3900 VLAN	
32	Switch should support basic Multicast IGMP v1, v2, v3	
33	Switch should support minimum 90,000 no. of MAC addresses	
34	Switch should support 8 Nos. of link or more per port channel (using LACP).	
35	Switch should support Industry Standard Port/Link Aggregation for All Ports across any module or any port.	

36	Switch should support multi chassis Link Aggregation for All Ports across any module or any port of the switch and Link aggregation should support 802.3ad LACP protocol for communication with downlink/uplink any third party switch or server	
37	Switch should support Jumbo Frames up to 9K Bytes on Ports	
38	Support for broadcast, multicast and unknown unicast storm control to prevent degradation of switch performance from storm due to network attacks and vulnerabilities	
39	Switch should support Link Layer Discovery Protocol as per IEEE 802.1AB for finding media level failures	
Layer3 Features		
40	Switch should support all physical ports to use either in Layer2 or Layer 3 mode and also should support layer 3 VLAN Interface and Loopback port Interface	
41	Switch should support basic routing feature i.e. IP Classless, default routing and Inter VLAN routing	
42	Switch should support static and dynamic routing using: a. Static routing b. OSPF V.2 using MD5 Authentication c. IS-IS using MD5 authentication or equivalent policy based routing d. BGP V.4 using MD5 Authentication e. Should support route redistribution between these protocols f. Should be compliant to RFC 4760 Multiprotocol Extensions for BGP-4 (Desirable)	
43	Switch should re-converge all dynamic routing protocol at the time of routing update changes i.e. Non-Stop forwarding for fast re-convergence of routing protocols	
44	Switch should be capable to work as DHCP server and relay	
Availability		
46	Switch should have provisioning for connecting to 1:1/N+1 power supply for usage and redundancy	
47	Switch should provide gateway level of redundancy in IpV4 and IPV6 using HSRP/VRRP	
48	Switch should support for BFD For Fast Failure Detection as per RFC 5880	
Quality of Service		
49	Switch system should support 802.1P classification and marking of packet using: a. CoS (Class of Service) b. DSCP (Differentiated Services Code Point) c. Source physical interfaces d. Source/destination IP subnet e. Protocol types (IP/TCP/UDP) f. Source/destination TCP/UDP ports	
50	Switch should support methods for identifying different types of traffic for better management and resilience	

51	Switch should support for different type of QoS features for ream time traffic differential treatment using a. Weighted Random Early Detection. b. Strict Priority Queuing.	
52	Switch should support to trust the QoS marking/priority settings of the end points as per the defined policy	
53	Switch should support Flow control of Ethernet ports to control traffic rates during congestion by allowing congested nodes to pause link operation at the other end for receiving traffic as per IEEE 802.3x	
Security		
54	Switch should support for deploying different security for each logicaland physical interface using Port Based access control lists of Layer-2 to Layer-4 in IP V.4 and IP V.6 and logging for fault finding and audit trail	
55	Switch should support control plane i.e. processor and memory Protection from unnecessary or DoS traffic by control plane protection policy	
56	Time based ACL/Equivalent.	
57	Switch should support for external database for AAA using: a. TACACS+ b. RADIUS	
58	Switch should support MAC Address Notification on host join into the network for Audit trails and logging	
59	Switch should support to restrict end hosts in the network. Secures the access to an access or trunk port based on MAC address. It limits the number of learned MAC addresses to deny MAC address flooding	
60	Switch should support DHCP Snooping	
61	Switch should support Dynamic ARP Inspection to ensure host integrity by preventing malicious users from exploiting the insecure nature of the ARP protocol	
62	Switch should support IP Source Guard to prevents a malicious hosts from spoofing or taking over another host's IP address by creating a binding table between the client's IP and MAC address, port, and VLAN	
63	Switch should support for Role Based access control (RBAC) for restricting host level network access as per policy defined	
64	Switch should support Spanning tree BPDU protection	
65	Switch should support unicast and/or multicast blocking on a switch port to suppress the flooding of frames destined for an unknown unicast or multicast MAC address out of that port	
66	Switch should support Spanning tree BPDU protection	
67	Switch should support for MOTD banner displayed on all connected terminals at login and security discrimination messages can be flashed as per banks ISD rules	
Manageability		
68	Switch should support for embedded RMON/RMON-II for central NMS management and monitoring	

69	Switch should support for sending logs to multiple centralised syslog server for monitoring and audit trail	
70	Switch should provide remote login for administration using: a. Telnet b. SSH V.2	
71	Switch should support for capturing packets for identifying application performance using local and remote port mirroring for packet captures	
72	Switch should support for management and monitoring status using different type of Industry standard NMS using: a. SNMP V1 and V.2 b. SNMP V.3 with encryption c. Filtration of SNMP using Access list d. SNMP MIB support for QoS	
73	Switch should support for basic administrative tools like: a. Ping b. Tracerout	
74	Switch should support central time server synchronization using Network Time Protocol NTPv4/SNTPv4.	
75	Switch should support for providing granular MIB support for different statistics of the physical and logical interfaces	
76	Switch should support scripting/API for device manage for automatic and scheduled system status update formonitoring and management	
77	Switch should provide different privilege for login in to the system for monitoring and management	
78	Switch should support Real time Packet Capture using Wireshark in real time for traffic analysis and fault finding	
IPv6 features		
79	Switch should support for IP V.6 connectivity and routing required for network reachability using different routing protocols such a. OSPF V.3 b. BGP with IP V.6 c. IP V.6 Policy based routing d. IP V.6 Dual Stack etc e. IP V.6 Static Route f. IP V.6 Default route	
80	Should support route redistribution between these protocols	
81	Switch should support multicast routing in IP V.6 network using PIMv2 Sparse Mode	
82	Switch should support for QoS in IP V.6 network connectivity	
83	Switch should support for monitoring and management using different versions of SNMP in IP V.6 environment such as: a. SNMPv1, SNMPv2c, SNMPv3 b. SNMP over IP V.6 with encryption support for SNMP Version 3	
84	Switch should support syslog for sending system log messages to centralized log server in IP V.6 environment	
85	Switch should support NTP/SNTP to provide an accurate and consistent timestamp over IPv6 to synchronize log collection and events	
88	Switch should support for IP V.6 different types of tools for	

	administration and management such as: a. Ping b. Traceroute c. VTY d. SSH e. TFTP f. DNS lookup	

5.2. Network Switch (Type – 2)
5.2.1. Quantity = 01 No (48 Ports)
5.2.2. Technical Specification (Make and Model)

Sl.No.	Tecnical Specification	Compliance (Yes/No)
OEM Eligibility Criteria		
1	Switch OEM shall be in the leader's quadrant as per latest published Gartner's MQ report for Data Centre Network Infrastructure." Or "The Network OEM should be in Top-5 OEM of IDC report published for Asia Pacific region for last three consecutive.	
Architecture		
2	19" rack mountable configuration. Rack mounting kit must be provided.	
3	Shall have routing/switching capacity minimum of 560 Gbps of forwarding performance	
4	Shall be based on modular operating system to support enhanced serviceability along with independent process monitoring.	
5	Shall deliver a maximum of 6micro second latency with consistent performance across a broad range of applications with typical mixed loads of real-time, multicast and storage traffic.	
6	32K MAC entries or more	
Resiliency		
7	Shall have the capability to extend the control plane across multiple active switches making it a virtual switching fabric, enabling interconnected switches to aggregate the links	
8	Shall have redundant hot swap power supplies (1+1) from Day 1.	
9	Switch should supplied with compatible IEC C13/C14 3pin power cord suitable for PDU.	
10	IEEE 802.1D Spanning Tree Protocol, IEEE 802.1w Rapid Spanning Tree Protocol and IEEE 802.1s Multiple Spanning Tree Protocol	
11	IEEE 802.3ad Link Aggregation Control Protocol (LACP)	
Layer 2 Features		
12	Shall support up to 3950 port or IEEE 802.1Q-based VLANs	
13	Shall support Jumbo frames of 9K bytes	
14	Internet Group Management Protocol (IGMP)	

Sl.No.	Tecnical Specification	Compliance (Yes/No)
15	Multicast Listener Discovery (MLD) or IGMP snooping	
16	IEEE 802.1AB Link Layer Discovery Protocol (LLDP)	
17	IEEE 802.3ad Link Aggregation Control Protocol (LACP)	
Layer 3 Features (any additional licenses required shall be included)		
18	Static Routing for IPv4 and IPv6	
19	Dynamic Host Configuration Protocol (DHCP) Client/ Relay or Server.	
QoS and Security Features		
20	Access Control Lists for both IPv4 and IPv6 for filtering traffic to prevent unauthorized users from accessing the network	
21	Port-based rate limiting and access control list (ACL) based rate limiting	
22	Shall create traffic classes based on access control lists (ACLs), IEEE 802.1p precedence, IP, and DSCP or Type of Service (ToS) precedence	
23	Shall support Strict Priority Queuing (SP)/Weighted Fair Queuing (WFQ)/Weighted Deficit Round Robin (WDRR)configurable buffers and Explicit Congestion Notification (ECN)	
24	Shall support Weighted Random Early Detection (RED) /Random Early Detection (RED) for congestion avoidance	
25	DHCP protection/snooping to block DHCP packets from unauthorized DHCP servers	
26	ARP attack protection to protect against attacks that use a large number of ARP requests	
27	Port security to allow access only to specified MAC addresses	
28	Shall support Packet storm protection to protect against unknown broadcast, unknown multicast, or unicast storms with user-defined thresholds	
Management Features		
29	Configuration through the CLI, console, Telnet, and SSH	
30	SNMPv1, v2, and v3 and Remote monitoring (RMON) support	
31	NetFlow/sFlow or equivalent for traffic analysis	
32	Port mirroring to duplicate port traffic (ingress and egress) to a local or remote monitoring port.	
33	RADIUS/TACACS+ for switch security access administration	
34	Network Time Protocol (NTP) or equivalent support	
Required Interfaces		
35	48 ports of 1G/10G BaseT and 4 ports of 40G QSFP+	
36	Transceiver modules shall be suitable for MMF cabling inside the DC (preferably with LC interface). All the transceivers should be from the same OEM as the switch.	

5.3. Rack Server
5.3.1. Quantity = (i) Type – 1 = 02 Nos & (ii) Type – 2 = 10 Nos.
5.3.2. Technical Specification (Make and Model)

Sl.No.	Minimum Requirement Specification	
1	Processor	The server should have 2 nos. of Intel Xeon/AMD EPYC latest Generation Processor: Server Type 1: - 02 servers with 2 x 16 cores, minimum 2.9 GHz clock rate. Server Type 2: - 10 servers with 2 x 32 cores, minimum 2.2 GHz clock rate. 64-bit x86 processor fully binary compatible to 64/32-bit applications. Number of cores on a single die/socket will be treated as a single processor.
2	Memory	Minimum 1 TB latest DDR memory using 64 GB DIMMs or higher. Advanced ECC with multi-bit error protection. The memory should have native capability of identifying and reporting the genuiness of the memory installed in the server. OR The server should be integrated in the factory, tested, certified, chassis intrusion switch enabled.
3	HDD Controller	12 Gbps SAS RAID Controller supporting RAID 0, 1, 5 and 6 with 2GB battery backed up Cache
4	HDD	Type 1 & 2 - 4 x 600 GB SAS (15Krpm) / SSD Hot Swap HDD or Higher
5	Video Controller	Integrated Graphics Controller
6	Network Controller	Server Type 1 & 2:- Minimum 2 x 1 Gbps ports and 4 No's (2 x 2 on each network adapter card) of 10/25 Gbps SFP ports with 10 Gbps transreciever.
7	Fiber Channel HBA	Two no's Dual FC Port 32 Gbps with fibre transceiver.
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 to be provided.
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	• 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), REST/XML API,

Sl.No.	Minimum Requirement Specification	
		dynamic/group management of power, licenses including firmware or self-updating firmware system, Configuration backup, zero touch repository manager, Syslog (local / remote). • Management software should support integration with popular virtualization platform management software like VCentre, SCVMM, Redhat OpenStack and Red Hat RHEV. • Offered Server platform must be ready for container workload deployment
16	Serviceability	• 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 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 or should have recommendation engine for IT operations management. 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 3 as per IDC report for any one of the previous four quarter in India for server.
19	Warranty	Five years on-site comprehensive OEM Warranty Support with 24X7 coverage and access to OEM TAC/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.
21	Power Cord	Server should supplied with compatible IEC C13/C14 3pin power cord suitable for PDU.

5.4. Microsoft windows server standard edition 2019 - Paper License (Vol Lic)
5.4.1. Technical Specification Microsoft windows server standard edition 2019

Sl. No.	Parameter	Functionality
1	Windows Server OS	Microsoft windows server standard edition 2019 (16 Core) Paper License (Vol Lic) – (Qty – 12 Nos.)

5.5. Patch Cord Details (Make - AMP/ Rosenberg/ CommScope/ Molex)
5.5.1. UTP Patch Cord (Copper - CAT 6A)
(i)   Quantity (05 Mtrs.) = 20
(ii)   Quantity (15 Mtrs.) = 20

(iii)   Quantity (25 Mtrs.) = 30

5.5.2. Fibre Patch Cord (Fibre - OM4/ OM5 or latest)

(i)   Quantity (02 Mtrs. LC-LC) = 40
(ii)   Quantity (15 Mtrs. LC-LC) = 40

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

2. *Bidder has to submit a undertaking mentioning 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.*

5.6.   Eligibility Criteria

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

5.6.1. Pre-qualification Criteria

Sl. No.	Clause	Documents Required
1.	The bids should be submitted by only Prime Bidder, no consortium is allowed in this bid.	Declaration in this regard needs to be submitted.
2.	The Bidder should have positive net worth during last three financial years, ending 31.03.2021.	A certified document by the Chartered accountant stating the net worth and average annual turnover of the bidder
3.	The Bidder's average annual turnover should be more than (INR) 20 cores in last three financial years and profitable during each of the previous three financial years ending on 31.03.2021. Note: The turnover refers to the Bidder's firm and not the composite turnover of its subsidiaries/sister concerns etc.	Copy of audited profit and loss account/balance sheet/annual report of the last three financial years.
4.	(a) The bidder must be registered under the Companies Act 1956 or a Partnership firm registered under LLP Act, 2008 and must have in operation for a period of at least 5 (Five) years as of March 31, 2021. (b) The company must be registered with appropriate authorities for all applicable statutory duties/taxes	(a) Valid documentary proof for :- ✓ Certificate of incorporation (b) Valid documentary proof for: ✓ GST Identification number (GSTIN) ✓ Income Tax registration/PAN number ✓ Up to date GST Return ✓ Income Tax returns for last three financial years.

Sl. No.	Clause	Documents Required
5.	Bidder should have experience of Supply, Installation and Warranty/Annual maintenance services for IT Infrastructure projects and should have been in the business for a period exceeding five years as on 31.03.2021.	1. Work Orders confirming year and area of activity 2. Memorandum and Articles of Associations 3. Relevant legal documentation confirming the acquisition/merger, if any
6.	The bidder must have successfully undertaken at least the following numbers of systems implementation engagement(s) of value specified herein during the last Five Financial Years : ➢ One project of similar nature not less than the amount Rs. 320 Lakh. OR ➢ Two projects of similar nature each of which not less than the amount Rs. 240 Lakh. OR ➢ Three projects of similar nature each of which is not less than the amount Rs. 160 Lakh. 'Similar Nature' is defined as:- Supply & Installation of Network, Server, Storage and their associated maintenance support services for any Government/Public Sector Enterprises/BFSI in India.	Work order, Completion Certificate or phase completion certificate for ongoing project from the client
7.	The Bidder shall not be under a Declaration of Ineligibility for corrupt or fraudulent practices or blacklisted with any of the Government.	Declaration in this regard by the authorized signatory of the Bidder
8.	I. The Bidder must have a registered Branch office in Odisha or if not having office in Odisha should submit an undertaking to open office within one month after getting the Purchase Order. II. The Bidder must have 5 IT Service Engineer/ Professionals available in Bhubaneswar (Odisha).	Office Address or Undertaking A self certified letter by an authorized signatory mentioning the list of IT service engineer/professionals.
9.	The bidder should submit the valid letter from the OEMs confirming the followings: • Authorization from OEM for the quoted product. • Confirm that the products quoted are	a) MAF b) Undertaking from OEM

Sl. No.	Clause	Documents Required
	neither declared End of Sale and End of Support or End of Life at the time of Bid Submission and during the completion of procurement phase. • Confirm that the products would be covered under comprehensive warranty for the contract period. • Undertake that the support including spares, patches for the quoted products shall be available for entire contract period.	
10.	Quality Certification	Valid ISO 9001of the bidder Valid ISO 14000 of the OEM
11.	EMD Rs. 8,00,000/-	
12.	RFP document fee of Rs. 11,200/- (inclusive of 12% GST)	

6. Bid Evaluation

6.1. Pre-Qualification

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

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

6.2. Technical Bid Evaluation

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

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

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

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

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

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

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

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

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

6.3. Commercial Bid

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

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.

6.4. Commercial Bid Evaluation

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

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

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

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

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

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

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

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

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

6.5. 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.

7. Other Terms & Conditions of RFP
7.1. Bid Submission

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

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

iii. Bidder has to select the payment option as per the tender document to pay the tender fee / Tender Processing fee & EMD as applicable and enter details of the instrument.

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

v.   The server time (which is displayed on the bidders' dashboard) will be considered as the standard time for referencing the deadlines for submission of the bids by the bidders, opening of bids etc. The bidders should follow this time during bid submission.

vi. The uploaded bid documents become readable only after the tender opening by the authorized bid openers.

vii. Upon the successful and timely submission of bid click "Complete" (i.e. after Clicking "Submit" in the portal), the portal will give a successful Tender submission acknowledgement & a bid summary will be displayed with the unique id and date & time of submission of the bid with all other relevant details.

viii.   The tender summary has to be printed and kept as an acknowledgement of the submission of the tender. This acknowledgement may be used as an entry pass for any bid opening meetings.

7.2. Authentication of Bids

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

7.3. Special Conditions of Contract

7.3.1. 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

7.3.2. Billing

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

7.4. Payment

100% of the invoice value will be paid to the successful bidder, after delivery of OEM Warranty Support Certificate & Final Acceptance Test (FAT), with submission of Performance Bank Guarantee issued from a nationalized / scheduled bank, equivalent to 10% of the amount of Respective Package Contract Value. This Bank Guarantee should remain valid for a period of 60 days beyond the warranty period, commencing from the date of satisfactory completion of entire job.

7.5. Warranty

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

7.6. Clarifications on using e-Nivida Portal

i.   Any queries relating to the tender document and the terms and conditions should be addressed to the Tender Inviting Authority for a tender or the relevant contact person indicated in the tender.

ii.   Any queries relating to the process of online bid submission or queries relating to e-tender Portal in general may be directed to the Helpdesk Support. Please feel free to contact e-Nivida Helpdesk (as given below) for any query related to e-tendering.

Phone No.: **011-49606060**
Mail id: **odishaenivida@gmail.com**

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

8.1. General

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

Pre-Qualification Bid 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: BG for EMD (or in shape of DD)

Form 4: Manufacturers /Producers Authorization Form

Form 5: Self Declaration against the rule 144 (xi) in GFRs 2017

Forms to be used in Technical Proposal

Form 6: Letter of Proposal

- Compliance Sheet for Technical Proposal

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

8.1.1. 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)

Sl. 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 **Form 3**	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 4**	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	Valid ISO 9001of the bidder. 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	
13	Declaration	Self Declaration against the rule 144 (xi) in GFRs 2017 **Form 5**	Yes/ No	

8.1.2. Form 2: Particulars of the Bidders

Sl. 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	

8.1.3. 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.

NOTHWITHSTANDING 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:

8.1.4. Form 4: Manufacturers /Producers Authorization Form (MAF)

Letter No._____   Date:_____

To

The General Manager(Admin)
Odisha Computer Application Centre
Bhubaneswar

Sub : OEM Authorization Letter

Dear Sir:

Ref: Your RFP Reference No: OCAC-NEGP-INFRA-0005-2021-22027

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

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

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

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

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

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

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

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

Yours faithfully,

(Name)
(Name of Producers)

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

8.1.5. Form 5: Self Declaration against the rule 144 (xi) in GFRs 2017

<To be in Company Letter Head>

< 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: RFP for IT Infrastructure Equipments (Switches and Servers) for Odisha State Data Centre (OSDC) Bhubaneswar

RFP Reference No: OCAC-NEGP-INFRA-0005-2021-22027

Dear Sir/Madam,

I/ We, represent that company is not a subsidiary/ affiliate/ attached office of any Border Companies as may be banned by Government of India for doing business in India as per revision of GFR rule 2020 or if from such a country, has been statutorily registered with the competent authority as per the procedure laid down in reference to Government Orders in this regards.

I/ We, hereby agree to provide copy of and/ or produced original of all such documents as may be necessarily required to be submitted evidence in this regard.

I/ We, hereby certified that this bidder fulfills all requirements in this regard and is eligible to be considered.

Yours sincerely,

Authorized Signature:

Name and Title of Signatory:

Name of Firm:

Address:

8.2. 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 7: Covering Letter

Form 8: Commercial Proposal

8.2.1. Form 7: 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: RFP for IT Infrastructure Equipments (Switches and Servers) for Odisha State Data Centre (OSDC) Bhubaneswar.

RFP Reference No: OCAC-NEGP-INFRA-0005-2021-22027

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. 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:

8.2.2. Form 8: Financial Proposal

RFP Reference No: OCAC-NEGP-INFRA-0005-2021-22027

<u>COMMERCIAL BID FORMAT</u>

Sl. No.	Item	Bill of Quantity (A)	Unit Price (B)	GST Per Unit (C)	Total Unit Cost (D) (D=B+C)	Total (A x D)
1.	Network Switch (Type – 1)	4				
2.	Network Switch (Type – 2)	1				
3.	Rack Server (Type – 1)	2				
4.	Rack Server (Type – 2)	10				
5.	Microsoft Windows Servr OS (16 Core)	12				
6.	Copper - CAT 6A, Patch Cord 5 Meter	20				
7.	Copper - CAT 6A, Patch Cord 15 Meter	20				
8.	Copper - CAT 6A, Patch Cord 25 Meter	30				
9.	Fibre - OM4/ OM5 or Latest Patch Cord 2 Meter LC-LC	40				
10.	Fibre - OM4/ OM5 or Latest Patch Cord 15 Meter LC-LC	40				
	Grand Total Incuding GST					
Total Cost In Words						

Seal of the Company   Authorised Signatory

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

9. 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: