

Draft Request for Proposal (RFP)

For

Comprehensive Maintenance with Facility Management Services for Networking and related infrastructure installed under SecLAN project at Odisha Secretariat campus, Rajib Bhawan, Heads of Department Building & other Government offices in Bhubaneswar

RFP-ENQUIRY NO.-OCAC-MNT-0001/2018(P2)/ENQ/21045

Mode of Bid Submission	Manual Submission at Odisha Computer Application Centre, N-1/7D, Nayapalli, Near Pathani Samanta Planetarium, Bhubaneswar, Odisha, 571013
Tendering Authority/ Purchaser	General Manager (Admin), Odisha Computer Application Centre, N-1/7D, Nayapalli, Near Pathani Samanta Planetarium, Bhubaneswar, Odisha, 571013
Date & Time of Submission of queries	05-11-2021, 4:00 P.M.
Date & Time of Pre-bid meeting	06-11-2021, 4:00 P.M.
Last Date & Time of Submission of Bid	30-11-2021 at 2.00 PM
Date & Time of Opening of PQ/Technical Bid	30-11-2021 at 4.00 PM

Cost of Tender Document : **Rs. 1000/-** (Rupees One Thousand Only)

Name of the Bidding Company/ Firm : _____

Contact Person (Authorized Bid Signatory) : _____

Correspondence Address : _____

City : _____

State : _____

Pin : _____

Telephone : _____ **Mobile** : _____ **FAX** : _____

Website Address : **http://www.**_____

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.

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1. ABBREVIATIONS & DEFINITIONS

Abbreviation	Definition
Authorized Signatory	The bidder's representative/ officer vested (explicitly, implicitly, or through conduct) with the powers to commit the authorizing organization to a binding agreement. Also called signing officer/ authority having the Power of Attorney (PoA) from the competent authority of the respective Bidding firm.
Bidder	"Bidder" means any firm/ agency/ company/ contractor/ supplier/ vendor responding to Invitation for Bids and which is participating in the Bid and also called Offer.
CMC	Contract Monitoring Committee
Contract	"The Contract" means a legally enforceable agreement entered into between OCAC and the selected bidder(s) with mutual obligations.
Contract/ Project Period	Three years from the date of issue of Work order.
Day	"Day" means a calendar day as per GoO/ GoI.
DeitY	Department of electronics and information technology, GoI
DIT	Department of Information Technology, GoO
OCAC	Odisha Computer Application Centre
FOR/ FOB	Free on Board or Freight on Board
GoI/ GoO	Govt. of India/ Govt. of Odisha
Goods	"Goods" means a tangible physical product that can be contrasted with a service which is intangible i.e. all the products which the bidder is required to supply to Purchaser under the Contract.
ICT	Information and Communication Technology.
INR	Indian Rupee
ISI	Indian Standards Institution
ISO	International Organisation for Standardisation
IT	Information Technology
ITB	Instructions to Bidder
LD	Liquidated Damage
LoI	Letter of Intent
Nic-Net	National Network established by National Informatic Centre (NIC).
NeGP	National e-Governance Plan of Government of India, Department of Electronics and Information Technology (DeitY), Ministry of Communications and Information Technology (MCIT), New Delhi.
NIT	Notice Inviting Tender
NKN	National Knowledge Network
OEM	Original Equipment Manufacturer

PAN	Permanent Account Number
TC	Tender Committee
PQ	Pre-Qualification
Project Site	“The Project Site”, wherever applicable, means the designated place or places.
Performance Security Deposit/ Security Deposit	Performance Security Deposit/ Security Deposit
Purchaser/ Tendering Authority	Person or entity that is a recipient of a good or service provided by a seller (bidder) under a purchase order or contract of sale. Also called buyer. OCAC in this RFP document.
RFP	Request for Proposal (Bidding document), an early stage in procurement process, issuing an invitation for suppliers, through a bidding process, to submit a proposal on a specific commodity or service.
OSWAN	State Wide Area Network
Services	“Services” means the services to be delivered by the successful bidder and as required to run the project successfully as per the Contract. A service is the intangible equivalent of an economic good.
PDC	Portal Data Centre located at IT Centre, Secretariat
SecLAN	Secretariat Local Area Network
SLA	Service Level Agreement is a negotiated agreement between two parties wherein one is the customer and the other is the service provider. It is a service contract where the level of service is formally defined. In practice, the term SLA is sometimes used to refer to the contracted delivery time (of the service) or performance.
State Government	Government of Odisha
STQC	Standardization Testing and Quality Certification, Govt. of India
TIN	Tax Identification Number
TSP	Total Service Provider
TPA	Third Party Auditors
GST	GST
WO/PO	Work Order/ Purchase Order

2. INVITATION FOR BIDS (IFB) & NOTICE INVITING TENDER (NIT)

1. OCAC invites bid proposals from reputed, competent and professional Information Technology (IT) Firms, who meet the minimum eligibility criteria as specified in this bidding document for **Comprehensive Maintenance with Facility Management Services for Networking and related infrastructure installed under SecLAN Secretariat campus & other government offices in Bhubaneswar for three years** as detailed in the section titled "scope of work" of this RFP document.
2. The complete bidding document has been published on the websites www.odisha.gov.in and www.ocac.in for the purpose of downloading.
3. A single-stage two envelope selection procedure shall be adopted.
4. Bidder (authorized signatory) shall submit their offer both for technical and financial proposal, DD for Tender Document Fees physically at the office of Tendering Authority as prescribed in NIT. The Tender Document Fee must be submitted before the Pre-Bid Conference at OCAC failing which the bidder will neither be allowed to attend the pre-bid conference nor will their queries be entertained by OCAC. The processing fee and EMD may be submitted along with the Bid.
5. OCAC will not be responsible for delay in submission due to any reason.
6. Please note that a pre-bid meeting of prospective bidders, who have purchased the tender/ bidding document, is scheduled as per the details specified in Notice Inviting Tender (NIT) below. The objective of this meeting is to address the queries of the prospective bidders related to the Project/ Bidding document.
7. No contractual obligation whatsoever shall arise from the RFP/ bidding process unless and until a formal contract is signed and executed between the tendering authority and the successful bidder(s).
8. OCAC disclaims any factual/ or other errors in this document (the onus is purely on the individual bidders to verify such information) and the information provided herein are intended only to help the bidders to prepare a logical bid-proposal.

3. NOTICE INVITING TENDER-NIT

NIT No.

Dated:

Odisha Computer Application Centre (OCAC) invites bids/ proposals from the eligible bidders to award contract for Comprehensive Maintenance & Facility Management Services. The details are as under:

Project	Comprehensive maintenance & Facility Management Services for Networking Equipments & infrastructure installed under SecLAN, Secretariat campus & other government offices in Bhubaneswar for three years.
Cost of Tender Document (Non Refundable)	Rs.1000/- (Rupees One Thousand only) must be submitted before pre-bid meeting
Processing fee (Non Refundable)	Rs.1000/- (Rupees One Thousand only)) may be submitted along with the Bid Document
Earnest Money Deposit (EMD)	Rs. 1,00,000/- (Rupees One Lakh Only) may be submitted along with the Bid Document
Availability of RFP for Download : (Start Date and Time)	30-10-2021 11:00 AM
Date & Time of Submission of queries	05-11-2021, 4:00 P.M.
Date & Time of Pre-bid meeting	06-11-2021, 4:00 P.M.
Bid submission End Date/ Time	30-11-2021 by 2:00 PM
Technical Bid Opening Date/ Time	30-11-2021 by 04:00 PM
Financial Bid Opening Date/ Time	Intimate later
Bid & EMD Validity	180 days from last date of submission of the RFP
Web URL	www.odisha.gov.in (All Tenders link) www.ocac.in (Tenders link)
e-mail address for correspondence	gm_ocac@ocac.in copy to contact@ocac.in

Note: In case, any of the bidders fails to physically submit the Banker's Cheque/ Demand Draft for Tender Fee, EMD, and OCAC Processing Fee as per schedule, its Bid shall not be accepted. For OCAC processing fees, Tender Fee & EMD Banker's Cheque/ Demand Draft should be drawn in favour of "Odisha Computer Application Centre" payable at **Bhubaneswar** from any *Scheduled Bank*.

4. Chapter -1 : PROJECT PROFILE

As part of the overall initiatives of e-Governance, Government of Odisha through OCAC has created the network infrastructure at Secretariat Campus and associated Government Offices for data, Voice, Video communication and Internet access. Besides there is a Portal Data Centre that houses various e-Governance applications and provides hosting services to various Government Departments/Offices.

SecLAN :

The SecLAN connects not only all the buildings within the secretariat premises over a high-speed ten gigabit Ethernet backbone but also connect important 4 Government buildings outside the Secretariat through fiber optic thereby providing 24x7 Internet facility through Internet leased lines of 500 Mbps from BSNL and 180 Mbps from STPI. Besides wired connectivity, the network has also wireless connectivity to the offices.

Major components of SecLAN:

- a. SecLAN connectivity to 4 Government Buildings including the buildings in Secretariat (**Annexure-A**) with gigabit back bone
- b. Point to Point Lease connectivity through ISP (BSNL) between Secretariat to 8 Government offices located far from Secretariat.
- c. Complete networking (active & passive components) in the Secretariat and other government buildings with 12000+ nodes.
- d. 24x7 Internet facility through Internet leased lines taken from BSNL/STPI (2x1 Gbps & 180 Mbps), which is likely to be increased and redundant connectivity from another Service Provider may be obtained in future.
- e. Active SecLAN users : 12000+ (both wired and wireless)
- f. Active Internet users : 12000+ (both wired and wireless)

The SecLAN provides the basic Networking infrastructure for usage of e-governance applications/project of GoO to the Departments Heads of Department offices . It is required to ensure that the SecLAN should be functional on 24 x 7 bases. Various kind of networking equipments are installed in SecLAN to provide 24 x 7 basis connectivity. These equipments are the most important as they are being used to access various central applications.

Criticality: It can easily be understood form the scenario as portrayed above that Networking equipment are very critical and need to function without flaw all 24 hours a day round the year. It is very difficult to afford down time of any of such equipment.

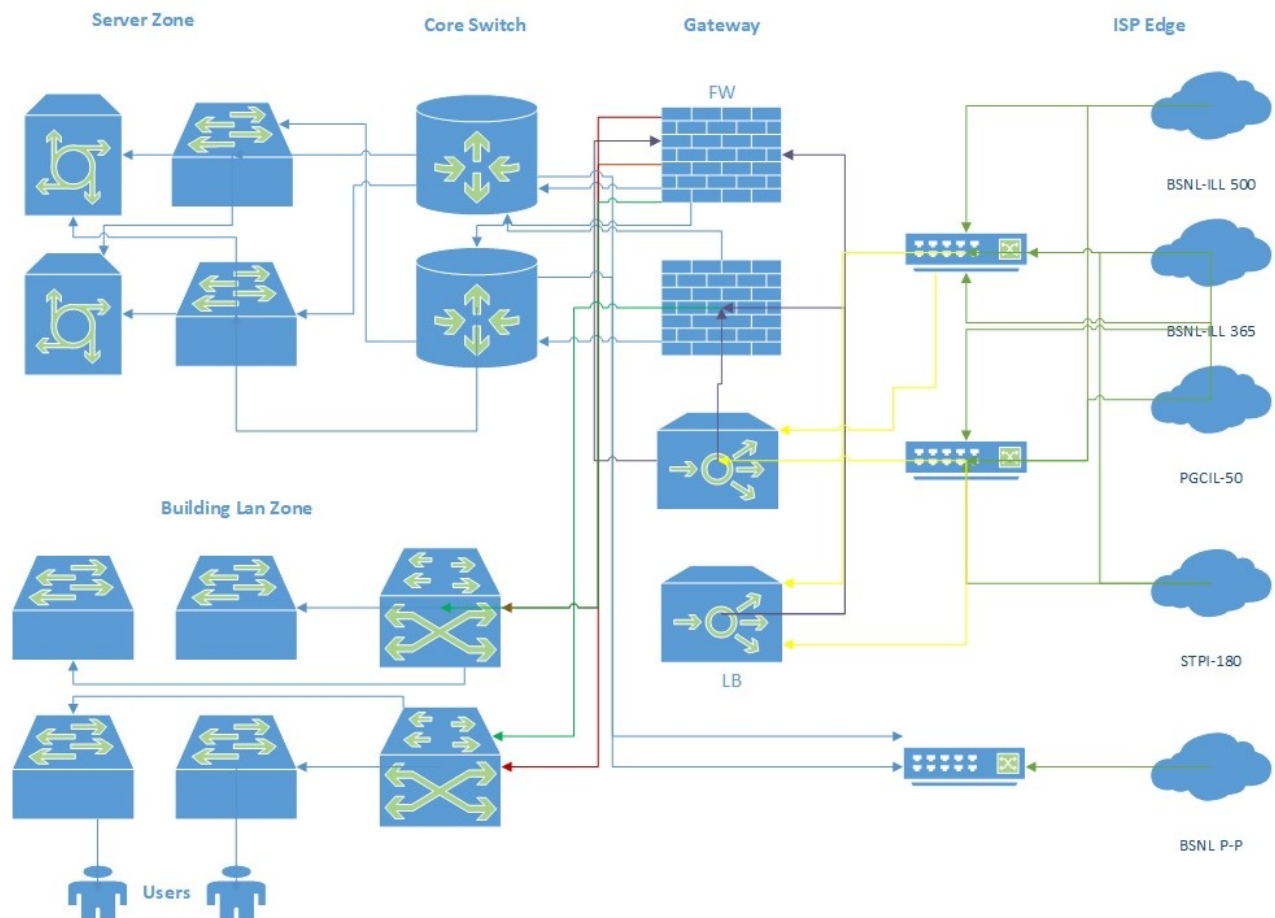
Need of Maintenance: Any equipment may have any kind of fault at any moment of time. The fault can be major or minor and may cause a break down in whole or partial system. Although, the actual down time can be managed by setting up redundancy in most of the critical equipment / parts, still there is an indispensable requirement of regular maintenance of the equipment / parts so as to ensure flawless function of the equipment or to minimize the breakdown of the system / part. The maintenance may be a regular preventive maintenance to ensure that all the environmental issues are taken care of and may be a corrective maintenance to correct the fault to keep the system / part up and running.

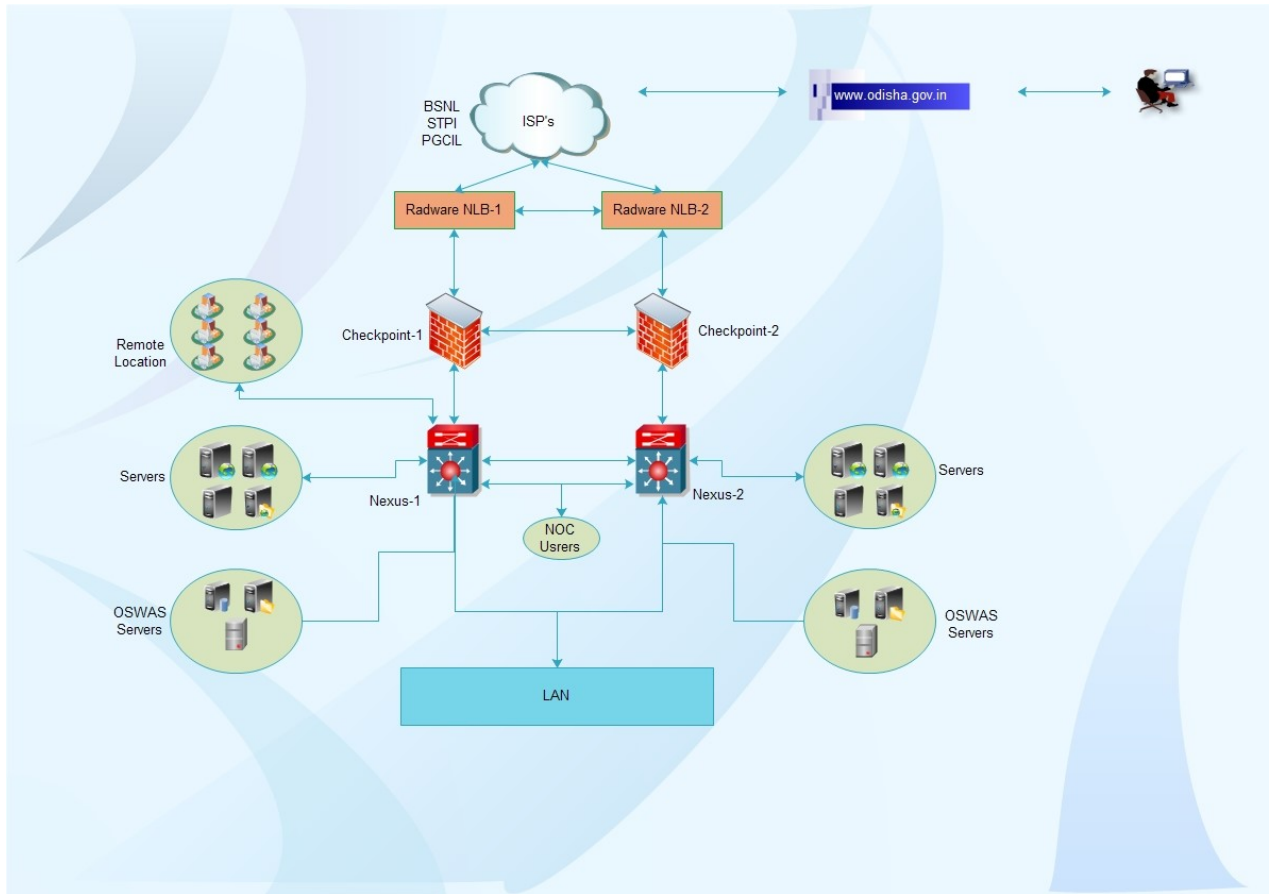
Portal Data Center:

OCAC has also established a Portal Data Centre consisting of web servers, application servers, data servers on cluster mode, firewall, storage, DNS Server, proxy servers, Routers, Modems etc. to provide hosting facilities to Government Departments/Offices. The list of equipment installed under SecLAN is annexed at **Annexure-A**. Following services are being provided from Portal Data Center –

- a. Managed hosting services for web sites/web applications.
- b. E-mail services (to be provided shortly)
- c. Internet gateway
- d. DNS services
- e. SAN Storage Services
- f. Backup and restore services

The pictorial representation of SecLAN Network is as under –





5. Chapter -2: ELIGIBILITY CRITERIA

Sl	Basic Requirement	Specification requirement	Documents required
1	Legal Entity	The bidder should be a company registered under Indian Companies Act, 1956 and operating since last 5 years in India from the date of publication of RFP.	Certificates of incorporation / Registration Certificate and
2	Turnover as on 31 st Mar 2020	Average Annual Turnover of the bidder in last three financial years, i.e. 2017-18, 2018-19, 2019-20 (as per the last published audited balance sheets), should be at least 50 (Fifty) crores	CA Audited P&L Statement and Balance Sheet with CA's Registration Number/ Seal
3	Net Worth	The net worth of the bidder in the last financial year, i.e. 2019-20. should be Positive	Certificates by CA with CA's Registration Number/ Seal
4	Technical Capability	The bidders must executed at least networking infrastructure project in any government / PSU/central government unit in last 5 years of amount not less than 2.5 crore: 1) Operation & Maintenance of LAN/WAN having 5000 Nodes. 2) Operation & Maintenance of Data Centre/ Server Firm (IT & Non-IT) Equipment. Having minimum one order value of Rs. 60.00 Lacs per annum. OR Two work order Rs. 30.00 Lacs per annum.	Satisfactory Work Completion Certificates from the client for the last work executed/ongoing projects + Copy of Work Order ; OR Copy of Work Order + Satisfactory Phase Completion Certificate from the client for ongoing projects.
5	Tax Registration Certificate	The bidder should have registered under GST where his business is located. Following Certificate to be submitted: a) Income Tax / PAN number. b) GST Registration Certificate	Copies of relevant certificates.
6	Certification	The bidder must possess:	Copies of valid certificates.

		<p>i) a valid ISO 9001:2008 and 20000, 27000, 14000 Certification.</p> <p>ii) CMMI Level 3 Certificate for SVC</p>	
	Black listing	<p>The Bidder :-</p> <p>Should not currently have been blacklisted by any Government.</p>	<p>Undertaking on a Non-judicial stamp paper of Rs. 10/- as per Annexure-7</p>
7	Manpower Strength	<p>The bidder should have support office at Bhubaneswar.</p> <p>Minimum 50 qualified support engineers preferably BE/B.Tech Degree or Diploma with CCNA or Graduate with CCNA, CCNP, CCSA certificate should be on company payroll. The list of such employees along with their PF number and CV is to be enclosed in the prescribed format.</p>	<p>In prescribed format as per Annexure-13</p> <p>CERTIFICATE FROM HR HEAD FOR NUMBER OF TECHNICALLY QUALIFIED PROFESSIONALS EMPLOYED BY THE COMPANY.</p>
8	OEM Authorization	<p>The bidder must attach Manufactures Authorization certificate & Back-to-back support letter from OEMs for providing Comprehensive Maintenance support and services of the OEM equipment covered under the RFP except AC and DG Set.</p> <p>Undertaking to be given to provide Service Support for Air Conditioners and DG Set through Authorized Service partner only.</p>	<p>As per Annexure-9</p> <p>The detail is at Annexure-B</p>

6. Chapter -3: SCOPE OF WORK

Details of work

The IT infrastructure covered within the scope of work are mentioned at **Annexure-A** and including various servers having different operating systems, Relational Data Base Management System, Networking Devices, Leased Lines, OFC Cables, LAN Cables, IOs, racks, UPS, assemblies and other active and passive components constituting the IT assets of the purchaser under SecLAN project. The network backbone and associated equipments installed at Secretariat (All Departments) and other Office buildings including Directorates of the Government of Odisha in Bhubaneswar who needs to access the IT services from Portal Data Center located at Secretariat using the SecLAN are all included in the scope of work.

To maintain such large infrastructure effectively without any interruptions to IT services (24 x 7 availability of IT infrastructure) to users, Total Service Provider (TSP) is required to provide following Services for entire contract period:

1. Comprehensive Onsite Maintenance with spare parts for all equipment/items mentioned in **Annexure-1**.
2. Facility Management Services for ITC & Networking equipment/items and related services mentioned in **Annexure-2** along with **Annexure-A**.

A. Comprehensive On-site Maintenance with spare parts for equipment.

TSP is required to provide the Comprehensive On-site Maintenance with spare parts for all equipment as mentioned in the **Annexure-1** and to maintain the required SLA. The details of the work to be undertaken are as follows:

- a. Repairing of defective parts/components.
- b. Replacement of parts/components beyond repair with parts/components of same or better specifications ensuring compatibility.
- c. Providing suitable standby for parts/components with same or better specifications till the time the original part/component is repaired or replaced so that daily business is not affected.
- d. The Maintenance support for equipment shall include all passive components including screws, clamp, fasteners, ties anchors, supports, ground strips, wires, fiber connectorisation kits, gears, spares, power-cables and Network cables.
- e. The AMC support certificate from respective OEM in the name of OCAC for the respective Networking/ Server/Storage/UPS and other accessories as per the detail list of AMC equipment which are not declared EoS/EoL. In case the equipment are declared EoS/EoL by the respective OEM's, it should be repaired/replaced with new/equivalent equipment without any extra cost to the purchaser.
- f. Maintenance support services pertaining to Cabling and OFC shall include:
 - i. Laying, Splicing, digging, repairing & testing of OFC.
 - ii. Fixing/re-fixing/shifting of cables/OFC when ever switches and racks are shifted or otherwise.

- iii. Removing and lying of UTP cable and I/Os with casing/PVC pipe, etc in case renovation activity is undertaken in any building covered under the project.
- iv. Replacement/repair of OFC/UTP/Power cables & connectors/ ports/ equipment on entire laying route.
- g. The bidder has to provide the support services from OEM of the respective equipment.
- h. In case the OEM support for the respective equipment is not available, the bidder should repair/replace with new / equivalent equipment without any extra cost to the purchaser.

Note: The selected firm will have provide all the passive network components and other items like casing /PVC pipe etc. to provide connection at the user level as per the approved cost (Financial Schedule-E). However the active network components like switches etc. will be provided by the purchaser wherever required.

B. Facility Management Services for equipment/Items.

The TSP shall provide Facility Management Services (FMS) including day-to-day operations of SecLAN/PDC Items/services mentioned at **Annexure-2** for entire project period. TSP shall ensure uptime of all the equipments, services and network including links to external networks like OSWAN, BSNL etc. as per the SLA requirements as mentioned in this tender document.

I. Preventive Maintenance Services

The TSP shall provide preventive maintenance services for all the equipments at least once in every quarter. The preventive maintenance shall include -

- i. Check for any loose contacts in the cables & connections.
- ii. Cleaning, removal of dust and dirt from the interior and exterior of the equipment.

II. Corrective Maintenance Services

The TSP shall provide corrective maintenance services for all the equipment as and when required during entire project period to meet the SLA requirements. The corrective maintenance shall cover -

- i. Troubleshooting of problems related to the equipment like Desktop/Laptop/ Server/ Printer/Network and rectification of the same.
- ii. Documentation of problems, isolation, cause and rectification procedures for building knowledge base for the known problems.

III. Asset Management Services

The TSP shall be required to create and maintain database of all IT assets.

- i. The database should have information like configuration details, serial numbers, licensing agreements, warranty and AMC details, place of installation etc. of each equipment.
- ii. The TSP shall be required to create Software inventory with information such as Licenses, Version Numbers and Registration Details
- iii. The TSP shall be required to record installation and removal of any equipment and inform OCAC even if it is temporary.

- iv. The TSP shall be required to register all software (in case not registered) with respective OEMs
- v. The TSP shall be required to perform software license management and notify OCAC on licensing contract renewal.

IV. Configuration and reconfiguration of equipment/network/services

- i. The TSP shall be responsible for configuration/re-configuration of all the equipment/services as and when required.
- ii. The TSP shall maintain a record of hardware and software configurations of all equipment including the details of different policies implemented on the devices such as VLAN configurations, access control lists, routing filters, clustering details etc.
- iii. TSP shall keep regular backups of soft copies of the configurations of each of the devices mentioned above.
- iv. TSP shall define change management procedures to ensure that no unwarranted changes are carried out on the devices. All the changes must be formally approved by the TSP designated team leaders and recorded.
- v. TSP shall do proper version management of these configurations as the configurations may be changed from time to time. This is required to ascertain changes made to these configurations at different stages as well as have functional configurations.
- vi. TSP shall ensure that these configurations are not accessible in general and must be kept confidential with the Purchaser and project manager.

V. Vendor Management Services

TSP shall coordinate with external vendors for upkeep of equipments to meet the SLA and shall liaison with respective vendors/OEMS for repairs/replacement of items. To perform this activity, the TSP shall

- i. Maintain equipment/service wise database of the various vendors and service providers with details like contact person, telephone numbers, escalation matrix, response time and resolution time commitments etc.
- ii. Log and escalate the calls with respective vendors/OEM/service providers and coordinate with them to get the equipment repaired/problems resolved.

VI. Network and VPN Management Services

The scope of work under network management services would include -

- i. Configuration/Reconfiguration and Management of various policies like Security policies, Access policy, IP Policy, routing policy, firewall policies etc.
- ii. Performance tuning to ensure resilient performance, reliability and high availability of the equipment/network/services.
- iii. Opening/closing of specific ports on network devices.
- iv. Daily monitoring of LAN, manual testing, troubleshooting and reporting including the following:

- v. Monitor the availability of links and their utilization to various departments and buildings and take corrective action where required.
- vi. Monitor the critical errors in switches and routers and do necessary fault isolation.
- vii. Collect the data flow on basis of time, interface, IP address, application wise for traffic analysis.
- viii. Sending alerts to concerned people regarding critical errors.
- ix. Configuration of VPN, VPN user management, Active Directory Management
- x. Integration and management of New LAN Segments with SecLAN Network when ever any new network segment is established by GoO under SecLAN project.
- xi. All necessary NMS software/tools require for reporting & monitoring of devices as mentioned at **Annexure-1** shall be provided, deployed & managed by the TSP without any additional cost to purchaser. Bidder may use the available NMS tool for the reporting and monitoring of devices or use new tools for NMS.
- xii. Establishment of network connection to new nodes through wire and wireless as per the requirement.

VII. Virus Management and Content Filtering Services

- i. SecLAN has an Enterprise level Antivirus and Content Filtering solution from Eset in operation that is to be used by TSP to provide an effective control mechanism for virus control and content filtering on the network, desktops and server. TSP shall establish proper procedures to contain a virus outbreak and shall enforce the same on every such instance. On virus out-break, TSP team shall provide proper guidance to the users and shall take corrective measure to resolve such virus problems.
- ii. Any up-gradation of software such as antivirus signatures etc. in SecLAN shall be the responsibility of the TSP during the entire period of FMS. TSP shall enforce proper update/upgrade management e.g., for desktops/Laptops as per available license, there should be no manual distribution of update signatures, updates should be managed from a central virus management server.
- iii. The TSP has to ensure that all the equipment remain virus/worm free. The servers and desktops shall be protected and safe guarded against viruses/worms, unauthorized access, spamming etc. The TSP shall maintain, at all times, an updated anti-virus signature database.
- iv. TSP will be responsible to change the existing policy or enforce new policy for content filtering as per requirement from time to time.
- v. The selected AMC and FMS service provider has to intimate OCAC in advance regarding renewal and additional requirement of license. OCAC shall renew licenses accordingly or purchase a new license and bidder to manage the same.

VIII. End User Support Services

- i. TSP shall be responsible for providing network related operational, up-gradation as

well as corrective services to the users of SecLAN.

- ii. The TSP shall resolve Network and service related problems of all the equipment installed at the user end.
- iii. TSP shall remove viruses from the user desktops in the event of virus outbreak and ensure that virus signatures are automatically updated on the desktop.
- iv. TSP shall be required to provide network connectivity as and when required for new or existing users either through wire or wireless as per requirement.
- v. TSP shall be required to provide day to day maintenance services of the equipment like Desktop, Laptop, Printer, MFP, UPS etc. installed in all the Departments promptly after getting the service calls.

IX. Server Management Services

- i. TSP shall manage the servers and desktops used for SecLAN management on end-to-end basis including server administration, performance tuning, hardware and software support and upkeep of the server. The TSP shall also undertake installation/re-installation of all those servers in terms of operating system, databases, clusters, latest Software updates/upgrades, patches etc.
- ii. TSP shall implement operating system security/hardening and application level security for those servers.
- iii. TSP shall deploy and upload/configure and manage application software and databases on those servers as per requirement of SecLAN.
- iv. TSP shall assign rights on servers to different users w.r.t. FTP, Telnet etc.
- v. TSP shall also be responsible for DNS entry and management..

X. Help Desk Support (SPOC)

The TSP shall provide 24 x 7 help desk support from IT Centre to all SecLAN Users. For this purpose the TSP shall deploy ITIL Compliant helpdesk tools at IT Centre at no extra cost. TSP shall log of all calls with respect to type of problem, its resolution time etc. The TSP shall provide various services to different users on demand basis as and when required as mentioned in RFP. The request would be made on help desk by the user and TSP shall get approval from the officer in charge of SecLAN project as designated by the purchaser. The resolution time for such services would be mutually decided by the designated Officer In charge of SecLAN project and TSP. The log of all such requests with date and time of request and its resolution time shall be maintained by TSP. **The indicative list of such services are as under –**

- i. Change Request for opening/closing of a Port on device
- ii. Request for FTP rights
- iii. Request for Internet Access
- iv. Request for DNS Entry
- v. Request for new connections or repairing of existing connection
- vi. Change request for Routing Policies
- vii. Change Request for Firewall Policy

viii. Request for assigning rights on devices

XI. Management of Internet Leased Lines and Point to Point Leased Lines

The TSP shall be responsible for

- i. Management of existing Internet Bandwidth /point to point leased lines with respect to configuration/reconfiguration, integration.
- ii. Co-ordination with bandwidth service providers for maintaining the uptime of the internet and point to point leased links.
- iii. Responsible for configuration/reconfiguration, integration and management of additional Internet Bandwidth procured by the purchaser during entire contract period.
- iv. Responsible to allow/deny internet access to network users.
- v. Managing internet bandwidth on Proxy Services by routing http request of a particular IP pool to a specific Proxy Server.

XII. Management of external Links with OSWAN networks

- i. The existing SecLAN Network is integrated with Odisha SWAN.
- ii. The TSP shall be responsible for configuration/re-configuration of the SecLAN links connecting OSWAN as per the policy guidelines time to time issued by the purchaser.
- iii. The TSP shall also be responsible to co-ordinate with OSWAN Operator for seam less integration of SecLAN with above network while configuration/.reconfiguration of SecLAN network. TSP shall make necessary changes in the routing/access policies on the request.

DELIVERABLES

- a) The TSP shall have to submit certain key deliverables which are mentioned hereunder at given frequency.
- b) The formats for all the reports shall be prepared by the TSP and submitted to the purchaser for approval. The reports submitted by the TSP should strictly be in the approved format only which, if required, may be revised from time to time.
- c) The quarterly payment shall be made only after receipt of deliverables which have to be submitted on quarterly basis.

Sl	Activity	Deliverable	Frequency	Time Frame
1.	Asset Management Services	Details of Hardware Equipment as mentioned in annexure-A with Make & Model, serial no., configuration details, Policies implemented	Once	Within 1 month of issue of Work Order
2.	Software Inventory	Details of software license with renewal due date for those servers used for Network Management	Once	Within 1 months of issue of Work Order
3.	Install, Move, Add, Change Report (IMAC)	Details of Hardware Equipments	Quarterly	--
4.	Preventive Maintenance Reports	Equipment wise and date wise list of hardware for which preventive maintenance Was undertaken during quarter	Quarterly	--
5.	Vendor Management Report	Date wise details of calls logged with external vendor and their resolution time	Quarterly	--
6.	Network Management Report	Network up time report of all network devices	Quarterly	--
7.	Server Management Report	Server up time report	Quarterly	--
8.	SLA Compliance Report		Quarterly	--
9.	User Support	Log reports of help desk, List of stand by equipment, User complaint redressal time etc.	Daily Quarterly Quarterly	
10.	Onsite Comprehensive Maintenance Services	Details of Parts/equipment repair/replacement report (Quarterly)	Quarterly	
11.	SLA Manpower Report	Daily Attendance statement of Manpower deployed under the project.	Quarterly	--
12.	Virus outbreak	Report of Virus attack on Servers	Quarterly	--
13.	Content Filtering	Report on filtering policy changes made	Quarterly	
14.	Firewall	Report on Firewall	Quarterly	
15.	Equipment Uptime Report	Equipment Up-time Report with Penalty Calculation and applicable penalty	Quarterly	

7. Chapter -4: BIDDING PROCESS

I. Sale of Tender/ Bidding Document

- i. The complete bidding document would be available on the websites for the period as specified in the NIT. The prospective bidders are permitted to download the bidding document from any of the specified websites but must pay the cost of tender/ bidding document while submitting the Bids.
- ii. Tender/ Bidding document shall be given at 75% of the prescribed cost to the NSIC units on production of an attested copy of Registration along with relevant Certificate issued by the competent authority.
- iii. Any bid received other than the prescribed form shall not be entertained.

II. Clarifications to the Bidding/ Bid Document

- i. If the prospective bidder has any doubts as to the meaning of any portion of the bidding document, then he is allowed to refer the same to the tendering authority and get clarifications. He may do so by contacting the tendering authority in writing at the tendering authority's address indicated in the NIT.
- ii. The Tendering authority will respond in writing to any request for clarification, provided that such request is received after the Pre-bid Meeting. All the prospective bidders must submit the prescribed Tender Document Fee before submitting any such requests to the Tendering authority.
- iii. The Tendering authority shall forward copies of its response to all Bidders who have purchased the Bidding Document directly from it and shall also place it on the website, including a description of the inquiry but without identifying its source.
- iv. Should the Tendering authority deem it necessary to amend the Bidding Document as a result of a clarification or otherwise, it shall do so by issuing a revised bidding document and/ or Addendum/ Corrigendum. If need be, the deadline for submission of Bids may also be extended in order to give reasonable time to the prospective Bidders to take into account the amendment.

Post-bid clarifications, if any, will be sought only once. Hence, bidders are advised to prepare and submit the bid accordingly and ensure that all the required documents are in place. Also, clarifications shall be sought only for the bid/ documents submitted and no new documents shall be accepted.

III. Pre-bid Conference/ Meeting

- i. The bidder or its official representative (not more than two representatives per bidder) is invited to attend the pre-bid meeting as per the details specified in NIT. The objective of this meeting is to address the generic queries of the prospective bidders related to the Project/ bidding document. The queries by the applicants will be provided in the specified format (Annex-3)
- ii. Only the bidders / firms, who have deposited the prescribed document fee in shape of DD/Pay Order in favour of **"Odisha Computer Application Centre"** payable at **"Bhubaneswar"** are

allowed to attend the pre-bid conference/ meeting and submit their pre-bid queries in the specified format. Such bidders/firms can download the tender/RFP document from the specified website and submit the queries as per the format given in the document. Bidders who have deposited the document charges are welcome to attend the pre-bid meeting, even if they do not have any specific queries. Tendering authority shall respond to the queries of only those bidders who have deposited document fee till the day of pre-bid meeting.

- iii. As a result of discussions in the pre-bid conference, if modifications in the bidding document, specifications of services and/ or goods are considered necessary, they may be done by issuing a addendum/ corrigendum and its copies shall be sent through Email/ post to all the bidders having purchased the bidding document. The corrigendum/ addendum and the Final bidding document will be placed on the websites as specified in the NIT.
- iv. The tendering authority reserves the right not to respond to any/ all queries raised or clarifications sought if, in their opinion and at their sole discretion, they consider that it would be inappropriate to do so or do not find any merit in it.

IV. Amendment of Bidding Document and extensions last date for bid submission

- i. At any time prior to the deadline for submission of the Bids, the tendering authority may amend the Bidding document by issuing Corrigendum/ Addendum.
- ii. Any Corrigendum/ Addendum issued shall be a part of the Bidding document and shall be communicated by publishing on the websites specified in NIT.
- iii. To give prospective Bidders reasonable time in which to take a Corrigendum/ Addendum into account in preparing their Bids, the tendering authority may, at its discretion, extend the deadline for the submission of the Bids.
- iv. Any change in date of submission and opening of bids would be published in appropriate manner including the websites mentioned in the NIT.

V. Documents comprising the Bid

- i. A Single stage-Two envelope/ cover system shall be followed for the Bid –
 - Technical bid (including the pre-qualification & technical documents)
 - Commercial bid
- ii. The technical bid shall include the following documents –

S. No.	Documents Type	Document Format
1.	Covering Letter – Technical Bid	On bidder’s letter head duly signed by authorized signatory
Fee Details		
2.	Tender Document Fee	Scanned copy of Fee Receipt
3.	EMD	Scanned copy of Fee Receipt /DD/ Banker’s Cheque

Pre-Qualification Documents		
1.	Tender Form	As per Annexure-5
2.	Bidder's Authorization Certificate	As per Annexure-6
3.	Self-Declaration – No Blacklisting	As per Annexure-7
4.	All the documents mentioned in the “Eligibility Criteria”, in support of the eligibility	As per the format mentioned against the respective eligibility criteria clause
Technical Documents		
1.	Certificate of Conformity/ No-Deviation	As per Annexure-8
2.	Manufacturer's Authorisation Form (MAF)	As per Annexure-9
3.	Declaration by Bidders	As per Annexure-12

iii. Commercial bid shall include the following documents: -

S. No.	Documents Type	Document Format
1.	Covering Letter – Financial Bid	On bidder's letter head duly signed by authorized signatory
2.	Price Bid	As per BoQ

iv. The bidder should ensure that all the required documents, as mentioned in this bidding document, are submitted along with the bid and in the prescribed format only. Non-submission of the required documents or submission of the documents in a different format/ contents may lead to the rejections of the bid proposal submitted by the bidder.

VI. Cost & Language of Bidding

- i. The Bidder shall bear all costs associated with the preparation and submission of its Bid, and the tendering authority shall not be responsible or liable for those costs, regardless of the conduct or outcome of the bidding process.
- ii. The Bid, as well as all correspondence and documents relating to the Bid exchanged by the Bidder and the tendering authority, shall be written only in English Language. Supporting documents and printed literature that are part of the Bid may be in another language provided they are accompanied by an accurate translation of the relevant passages in English language, in which case, for purposes of interpretation of the Bid, such translation shall govern.

VII. Alternative Bids

- i. Alternative bids shall not be considered at all.

VIII. Bid Prices

- i. Prices quoted in the bid must be firm and final and shall not be subject to any modifications, on any account whatsoever. Revision in GST shall be on account of the tendering authority, if it has been asked for separately in the financial bid and is not taken into account for the purpose of comparison of bids. If, however, they have not been asked for separately, any benefit or additional cost will be on account of the bidder. Revision of any other tax or duty shall be on account of the bidder.
- ii. All the prices should be quoted only in Indian Rupees (INR) Currency.
- iii. Prices/ Rates shall be written both in figures and words, as applicable.
- iv. All rates quoted must be FOR destination/ site where the IT/ Computer systems and allied items are to be installed, and should include all incidental charges except GST, which should be shown separately in the Financial/ Commercial bid format only.
- v. The prices quoted by the Bidder in the Financial/ Commercial bid shall conform to the requirements specified therein.
- vi. All the required items must be listed and priced separately in the financial bid. If a financial bid shows items listed but not priced, their prices shall be assumed to be included in the prices of other items. Items not listed in the financial bid shall be assumed not to be included in the bid, and provided that the bid is substantially responsive, the corresponding adjustment shall be applied in accordance with the provisions of bidding document.
- vii. The price to be quoted in the financial bid shall be the total price of the bid. Discount, if any, should be included in the quoted price.
- viii. The disaggregation of price components is required solely for the purpose of facilitating the comparison of bids by the tendering authority. This shall not in any way limit the tendering authority's right to contract on any of the terms offered: -
 - For Goods offered from within/ outside the country.
 - For Related Services whenever such Related Services are specified in the bidding document.
- ix. The bidder should quote for all items of all schedules mandatorily. The evaluation shall be made adding all schedules and on QCBS method. Criteria for QCBS evaluation detailed as at **Annexure-23**.
- x. Validity of price quoted for Active and Passive Network Components for the entire contract period. Repeat order can be placed as and when needed for the project.

IX. Period of Validity of Bids

- i. Bids shall remain valid for the period of **180** days, as specified in NIT, after the bid submission deadline date prescribed by the tendering authority. A bid valid for a shorter period shall be rejected by the tendering authority as non-responsive bid.
- ii. In exceptional circumstances, prior to the expiration of the bid validity period, the tendering authority may request bidders to extend the period of validity of their Bids. The request and the responses shall be made in writing. The EMD shall also be extended for a corresponding period. A bidder may refuse the request without forfeiting its bid security i.e. EMD. A bidder granting the

request shall not be required or permitted to modify its bid.

X. Earnest Money Deposit (EMD)

- i. Every bidder, if not exempted, participating in the bidding process must furnish the required EMD, as specified in the Notice Inviting Tender (NIT), without which tenders/ bids will not be considered. The amount should be deposited in either of the following forms in favour of “**Odisha Computer Application Centre**” payable at “**Bhubaneswar**”. Bank Drafts/ Bankers Cheque of the scheduled Bank.
- ii. Refund of earnest money: The earnest money of unsuccessful bidder shall be refunded soon after final acceptance of tender/ bid.
- iii. The earnest money/ security deposit lying with the department/office in respect of other tenders/ bids awaiting approval or rejected or on account of contracts being completed will not be adjusted towards earnest money/ security money for the fresh tenders/ bids. The earnest money may however, be taken into consideration in case tenders/ bids are re-invited.
- iv. Forfeiture of earnest money: The earnest money will be forfeited in the following cases: -
 - When bidder withdraws or modified the officer after opening of tender/ bid but before acceptance of tender/ bid.
 - When bidder does not execute the agreement if any, prescribed within the specified time.
 - When the bidder does not deposit the security money within stipulated time after the supply order is given.
 - When bidder fails to commence the supply of the items as per supply order within the time prescribed.

XI. Deadline for the submission of Bids

- i. Bids must be submitted by the bidders at the address and no later than the date and time indicated in the NIT.
- ii. Normally, the date of submission and opening of bids would not be extended. However, in exceptional circumstances or when the bidding document is required to be substantially modified as a result of discussions in pre-bid conference and the time with the prospective bidders for preparation of bids appears insufficient, the date may be extended by OCAC and due publicity to such change in date of opening of bids would be given. In such cases, it would be ensured that after issue of corrigendum, reasonable time is available to the bidders to prepare and submit their bids. Any change in date of submission and opening of bids would also be placed on the respective websites immediately. However, if the modifications in bidding document, specifications of goods and service are substantial, fresh publication of original bid inquiry may also be issued.
- iii. The tendering authority may, at its discretion, extend the deadline for the submission of bids by amending the bidding document, in which case all rights and obligations of the tendering authority and bidders previously subject to the deadline shall thereafter would be subject to the deadline as extended.

XII. Withdrawal and Re-submission (Substitution) of Bids

- i. Bids withdrawn shall not be opened and processes further.

XIII. Bid Opening/ Opening of Tenders

- i. Tenders/ Bids shall be opened on the date and time mentioned in the NIT in the presence of bidders or their authorized representative who may choose to attend.
- ii. All the documents comprising of technical bid/ cover shall be opened .
- iii. All the technical bid covers, except the Commercial/ Financial cover, shall be opened one at a time, and the following read out and recorded: the name of the bidder; the presence of the processing fee, tender fee, EMD and any other details as the tendering authority may consider appropriate.
- iv. The Tendering authority shall prepare a record of the bid opening that shall include, at a minimum: the name of the bidder and the presence or absence of processing fee, Tender fee, and EMD. The bidder's representatives who are present shall be required to sign the attendance sheet.
- v. The Commercial/ Financial cover shall be kept unopened and shall be opened later on the date and time intimated to the bidders who qualify in the evaluation of technical bids.

XIV. Evaluation/ Selection method

- i. The selection method is Quality and Cost Based Selection (QCBS).

XV. Guiding Principle for Evaluation of Bids

- i. The tendering authority shall strictly apply only and all of the evaluation and qualification criteria specified in the bidding document.
- ii. The determination shall be based upon an examination of the documentary evidence of the bidder's qualifications and proposed solution submitted by the bidder.

XVI. Determination of eligibility and responsiveness

- i. A bidder shall be considered to be eligible if it meets the eligibility criteria mentioned in the RFP
- ii. A responsive bid would be the one that meets the requirements of the bidding document without material deviation, reservation, or omission where: -
 - **“Deviation”** is a departure from the requirements specified in the bidding document;
 - **“Reservation”** is the setting of limiting conditions or withholding from complete acceptance of the requirements specified in the bidding document; and
 - **“Omission”** is the failure to submit part or all of the information or documentation required in the bidding document.
- iii. A material deviation, reservation, or omission is one that,
 - if accepted, would: -
 - affect in any substantial way the scope, quality, or performance of the Goods and Related Services specified in the bidding document; or
 - limits in any substantial way, inconsistent with the bidding document, the tendering authority's rights or the bidder's obligations under the proposed Contract; or

- If rectified, would unfairly affect the competitive position of other bidders presenting responsive bids.
- iv. The tendering authority shall examine the technical bid including the pre-qualification documents. Provided that a bid is substantially responsive, the tendering authority -
- May waive any nonconformity in the bid that does not constitute a material deviation, reservation or omission.
 - May request that the bidder submit the necessary information or documentation, within a reasonable period of time, to rectify nonmaterial nonconformities or omissions in the bid related to documentation requirements. Requesting information or documentation on such nonconformities shall not be related to any aspect of the price of the bid. Failure of the bidder to Comply with the request may result in the rejection of its bid.
 - Shall rectify nonmaterial nonconformities or omissions. To this effect, the bid price shall be adjusted, for comparison purposes only, to reflect the price of the missing or non-conforming item or component. The adjustment shall be made using the method indicated in pre-qualification and Evaluation Criteria of this bidding document.
- v. The eligible bidders whose bid is determined to be substantially responsive shall be considered to be qualified in the technical evaluation, unless disqualified pursuant to **clause XVII or XVIII**, and shall be informed in writing about the date, time and place of opening of their financial bids.
- vi. The firms which could not qualify in technical evaluation will be informed about this fact. Their financial bid will be returned unopened and EMD refunded after completion of the bid process i.e. award of the contract to the best/ successful bidder.

XVII. Conflict of Interest

- i. OCAC considers a conflict of interest to be a situation in which a party has interests that could improperly influence that party's performance of official duties or responsibilities, contractual obligations, or compliance with applicable laws and regulations. In pursuance of OCAC's Procurement Ethics requirement that bidders, suppliers, and contractors under contracts, observe the highest standard of ethics, OCAC will take appropriate actions against the bidder, if it determines that a conflict of interest has flawed the integrity of any procurement process. Consequently all bidders found to have a conflict of interest shall be disqualified.
- ii. A bidder may be considered to be in a conflict of interest if the bidder or any of its affiliates participated as a consultant in the preparation of the solicitation documents/RFP for the procurement of the goods and services that are the subject matter of the bid.
- iii. It may be considered to be in a conflict of interest with one or more parties in the bidding process if
- they have controlling shareholders in common; or
 - it receives or have received any direct or indirect subsidy from any of them; or
 - they have the same legal representative for purposes of the Bid; or
 - they have a relationship with each other, directly or through common third parties, that puts them in a position to have access to information about or influence on the Bid of another

Bidder, or influence the decisions of the tendering authority regarding this bidding process.

XVIII. Confidentiality

- i. Information relating to the examination, evaluation, comparison, and post qualification of bids, and recommendation of contract award, shall not be disclosed to bidders or any other persons not officially concerned with such process until publication of the Contract award.
- ii. Any attempt by a bidder to influence the tendering authority or other officials in the examination, evaluation, comparison, and post qualification of the bids or Contract award decisions may result in the rejection of his bid.
- iii. From the time of bid opening to the time of Contract award, if any bidder wishes to contact the tendering authority on any matter related to the bidding process, he is allowed to do so in writing.

XIX. Clarification of Bids

- i. To assist in the examination, evaluation, comparison and post qualification of the Bids, the tendering authority may, at its discretion, ask any bidder for a clarification of his bid. The tendering authority's request for clarification and the response shall be in writing.
- ii. Any clarification submitted by a bidder with regard to his bid that is not in response to a request by the tendering authority shall not be considered i.e. No new documents shall be accepted.
- iii. No change in the prices or substance of the bid shall be sought, offered, or permitted, except to confirm the correction of arithmetic errors discovered by the tendering authority in the evaluation of the Commercial/ Financial Bids.

XX. Disqualification

Tendering authority may at its sole discretion and at any time during the processing of bids, disqualify any bidder/ bid from the bid process if the bidder: -

- i. Has not submitted the bid in accordance with the bidding document.
- ii. Has submitted bid without submitting the prescribed Tender Fee, OCAC Processing Fee, EMD or the Bidder's authorization certificate/ Power of Attorney.
- iii. Has imposed conditions in his bid.
- iv. During validity of the bid or its extended period, if any, increases his quoted prices.
- v. Has made misleading or false representations in the forms, statements and attachments submitted in proof of the eligibility requirements.
- vi. Has failed to provide clarifications related thereto, when sought.
- vii. Has submitted more than one bid. This will cause disqualification of all bids submitted by such bidders.
- viii. Is found to canvass, influence or attempt to influence in any manner for the qualification or selection process, including without limitation, by offering bribes or other illegal gratification.

XXI. Evaluation of Financial Bids

- 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 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.
 - v. The evaluation shall be made adding all schedules.
 - vi. All rates quoted must be FOR destination/on site and should include all taxes, levies and duties applicable excluding GST which should be shown separately. 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/on-site.

XXII. 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, unless in the opinion of the tendering authority there is an obvious misplacement of the decimal point in the unit price, in which case the total price as quoted shall govern and the unit 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
- iii. if there is a discrepancy between words and figures, the amount in words shall prevail, unless the amount expressed in words is related to an arithmetic error, in which case the amount in figures shall prevail subject to (i) and (ii) above.

XXIII. Price Preference

No margin of preference/ price preference shall be given to the goods produced or manufactured by Industries of Odisha over goods produced or manufactured by Industries outside Odisha.

XXIV. Price Negotiations

No price negotiation shall be held by the purchaser with a bidder with respect to a bid submitted by him.

XXV. Approval of Authority

The tendering authority after due consideration of tenders/ bids, their conditions, financial implications, seeing samples and test reports if any, discussions with the bidders about the important features of their articles, etc., may approve bid.

XXVI. Approval of other than lowest offer

- i. Where it is not possible to accept the lowest offer for reasons such as quality of stores/ equipment, past performance of lowest bidder, unusual terms of payment or other similar reasons, purchases may be made from other than lowest bidder by the Purchase Committee with the approval of administrative Department. Reasons shall be recorded.
- ii. In case of single tender/ bid received in response to N.I.T., the next higher authority may decide to sanction or re-invite after recording reasons.
- iii. It would not be necessary to re-tender if the number of tenders/ bids received is less than three even after wide publicity and OCAC is satisfied that the rates received are fair and reasonable.
- iv. The tenders/ bids once cancelled shall not be considered at any level because the offers once cancelled become invalid.
- v. The tender/ bid shall remain open for consideration of the committee/appropriate authority from the date of opening of financial bid up to the period given below:-
 - At the level of Purchase Committee: Up to 30 days.
 - At the level of Administrative Department: Up to 60 days.
- vi. In case, the tender/ bid is not considered within the prescribed period; then it may be cancelled
- vii. 'Single Tender/ Bid' means only one evaluated responsive/ eligible bid in an open tender/ bid, whether one or more bids were received in response to the NIT.

XXVII. Acceptance of tenders/ bids and issue of supply orders

- i. As soon as a bid is accepted, intimation to this effect shall be promptly conveyed. In cases, where a specific stipulation has been made by a bidder that he should be informed of the acceptance by a particular date and in a particular manner, the same should be strictly followed and acceptance conveyed.
- ii. The acceptance is complete as soon as it is posted where the post the medium of communication between the parties. Proper care shall be taken to address the letter or telegram correctly.
- iii. In cases, however, where due to unavoidable circumstances the dispatch or the acceptance is likely to be delayed, the bidder shall be requested to extend validity as in absence of such extension, the contract will not be a valid one.
- iv. The bidder shall be asked to execute agreement bond on a non-judicial stamp paper of prescribed value at his cost.
- v. The agreement shall include all important conditions, counter conditions accepted and all correspondence exchanged with the firm.
- vi. The unsuccessful bidder shall be informed simultaneously and asked to collect their samples (if

any) and EMD.

XXVIII. Right to Vary Quantities

- i. At the time the Contract is awarded, the quantity of Goods and Related Services originally specified in the bidding document may be increased or decreased and without any change in the unit prices or other terms and conditions of the bid and the bidding document.
- ii. If the tendering authority does not purchase any of the tendered articles or purchases less than the quantity indicated in the tender form, the bidder shall not be entitled to claim any compensation.
- iii. Notwithstanding anything to the contrary mentioned in this bidding document, the quantities of the items shall be on actual. Their quantities, mentioned in this bidding document, are estimates and are to be used only for the purpose of evaluation and comparison of bids.

XXIX. Re-invitation of tender/ bid

Re-invitation of tenders/ bids shall be resorted to sparingly as the purchaser is put to loss due to higher rates. However, there may be cases where tenders/ bids are required to be re-invited on account of expiry of validity period, considerable change in specification after the receipt and opening of tenders/ bids, or offers being insufficient or offers having unusual terms and conditions or any other reasons.

XXX. Reservation of Rights

To take care of unexpected circumstances, OCAC shall reserve the rights for the following: -

- i. Extend the closing date for submission of the bid proposals.
- ii. Amend the bidding requirements at any time prior to the closing date, with the amendment being notified to prospective bidders and on the respective websites.
- iii. Allow a bidder to change its technical proposal if the same opportunity is given to all bidders but before the opening of financial bids.
- iv. Terminate or abandon the bidding procedure or the entire project whether before or after the receipt of bid proposals.
- v. Seek the advice of external consultants to assist OCAC in the evaluation or review of proposals.
- vi. Make enquiries of any person, company or organization to ascertain information regarding the bidder and its proposal.
- vii. Reproduce for the purposes of the procedure the whole or any portion of the proposal despite any copyright or other intellectual property right that may subsist in the proposal.

XXXI. Monitoring of Contract

- i. An officer or a committee of officers named Contract Monitoring Committee (CMC) may be nominated by tendering authority to monitor the progress of the contract during its delivery period.
- ii. During the delivery period, the CMC shall keep a watch on the progress of the contract and shall ensure that quantity of goods and service delivery is in proportion to the total delivery period given, if it is a severable contract, in which the delivery of the goods and service is to be obtained

continuously or is batched. If the entire quantity of goods and service is to be delivered in the form of completed work or entire contract like fabrication work, the process of completion of work may be watched and inspections of the selected bidder's premises where the work is being completed may be inspected.

- iii. If delay in delivery of goods and service is observed a performance notice would be given to the selected bidder to speed up the delivery.
- iv. Any change in the constitution of the firm, etc. shall be notified forth with by the contractor in writing to the tendering authority and such change shall not relieve any former member of the firm, etc., from any liability under the contract.
- v. No new partner/ partners shall be accepted in the firm by the selected bidder in respect of the contract unless he/ they agree to abide by all its terms, conditions and deposits with the tendering authority through a written agreement to this effect. The bidder's receipt for acknowledgement or that of any partners subsequently accepted as above shall bind all of them and will be sufficient discharge for any of the purpose of the contract.
- vi. The selected bidder shall not assign or sub-let his contract or any substantial part thereof to any other agency without the permission of tendering authority.

XXXII. Extension of Contract

- i) The AMC and FMS Services rendered by the selected bidder for the entire contract period shall be evaluated by the Tender Committee and if found satisfactory, the Committee may recommend to extend the contract for a maximum period of two years as per the same Terms & Conditions and price accepted previously by the bidder.
- ii) The bidder must agree to undertake the extension order as per the previous approved contract price.

8. Chapter -5: TERMS AND CONDITIONS, SERVICE LEVEL STANDARD, PAYMENT TERMS

Bidders should read these conditions carefully and comply strictly while sending their bids.

Definitions

For the purpose of clarity, the following words and expressions shall have the meanings hereby assigned to them: -

- i. "Contract" means the Agreement entered into between the Purchaser and the successful/ selected bidder, together with the Contract Documents referred to therein, including all attachments, appendices, and all documents incorporated by reference therein.
- ii. "Contract Documents" means the documents listed in the Agreement, including any amendments thereto.
- iii. "Contract Price" means the price payable to the successful/ selected bidder as specified in the Agreement, subject to such additions and adjustments thereto or deductions there from, as may be made pursuant to the Contract.
- iv. "Day" means a calendar day.
- v. "Delivery" means the transfer of the Goods from the successful/ selected bidder to the Purchaser in accordance with the terms and conditions set forth in the Contract.
- vi. "Completion" means the fulfillment of the related services by the successful/ selected bidder in accordance with the terms and conditions set forth in the Contract.
- vii. "Goods" means all of the commodities, raw material, machinery and equipment, and/or other materials that the successful/ selected bidder is required to supply to the Purchaser under the Contract.
- viii. "Purchaser" means the entity purchasing the Goods and related services, as specified in the bidding document.
- ix. "Related Services" means the services incidental to the supply of the goods, such as insurance, installation, training and initial maintenance and other similar obligations of the successful/ selected bidder under the Contract.
- x. "Subcontractor" means any natural person, private or government entity, or a combination of the above, including its legal successors or permitted assigns, to whom any part of the Goods to be supplied or execution of any part of the related services is subcontracted by the successful/ selected bidder.
- xi. "Supplier/ Successful or Selected bidder" means the natural person, private or government entity, or a combination of the above, whose bid to perform the Contract has been accepted by the Purchaser and is named as such in the Agreement, and includes the legal successors or permitted assigns of the successful/ selected bidder.

xii. "The Site," where applicable, means the place named in the bidding document.

A) General Terms & Conditions

i. The bidder shall be deemed to have carefully examined the conditions, specifications, size, make and drawings, etc., of the goods to be supplied. If he has any doubts as to the meaning of any portion of these conditions or of the specification, drawing, etc., he shall, before signing the contract, refer the same to the Purchase Officer and get clarifications.

ii. Income Tax and GST Registration Certificate

No Dealer who does not hold a valid Permanent Account Number (PAN)/ Tax Identification Number (TIN) from Income Tax department, GoI and who is not registered under the Sales Tax Act prevalent in the State where his business is located shall bid. The GST Registration Number shall be submitted without which the bid is liable for rejection. Up to date GST return certificate to be submitted.

iii. Contract Documents

Subject to the order of precedence set forth in the Agreement, all documents forming the Contract (and all parts thereof) are intended to be correlative, complementary, and mutually explanatory.

iv. Interpretation

a) If the context so requires it, singular means plural and vice versa.

b) **Commercial Terms:** The meaning of any trade term and the rights and obligations of parties there under shall be as prescribed by commercial terms. All the terms shall be governed by the rules prescribed in the current edition of commercial terms, published by the Indian Chamber of Commerce at the date of the Invitation for Bids or as specified in the bidding document.

c) **Entire Agreement:** The Contract constitutes the entire agreement between the Purchaser and the Supplier and supersedes all communications, negotiations and agreements (whether written or oral) of parties with respect thereto made prior to the date of Contract.

d) **Amendment:** No amendment or other variation of the Contract shall be valid unless it is in writing, is dated, expressly refers to the Contract, and is signed by a duly authorized representative of each party thereto.

e) **Non-waiver:** Subject to the condition (f) below, no relaxation, forbearance, delay, or indulgence by either party in enforcing any of the terms and conditions of the Contract or the granting of time by either party to the other shall prejudice, affect, or restrict the rights of that party under the Contract, neither shall any waiver by either party of any breach of Contract operate as waiver of any subsequent or continuing breach of Contract.

f) Any waiver of a party's rights, powers, or remedies under the Contract must be in writing, dated, and signed by an authorized representative of the party granting such waiver, and must specify the right and the extent to which it is being waived.

g) **Severability:** If any provision or condition of the Contract is prohibited or rendered invalid or unenforceable, such prohibition, invalidity or unenforceability shall not affect the validity or enforceability of any other provisions and conditions of the Contract.

Language

- a) The Contract as well as all correspondence and documents relating to the Contract exchanged by the successful/ selected bidder and the Purchaser, shall be written in English language only or as specified in the special conditions of the contract. Supporting documents and printed literature that are part of the Contract may be in another language provided they are accompanied by an accurate translation of the relevant passages in the language specified in the special conditions of the contract, in which case, for purposes of interpretation of the Contract, this translation shall govern.
- b) The successful/ selected bidder shall bear all costs of translation to the governing language and all risks of the accuracy of such translation.

v. Notices

- a) Any notice given by one party to the other pursuant to the Contract shall be in writing to the address specified in the contract. The term “in writing” means communicated in written form with proof of dispatch and receipt.
- b) A Notice shall be effective when delivered or on the Notice’s effective date, whichever is later.

vi. Scope of Supply/Services

- a) Subject to the provisions in the bidding document and contract, the goods and related services to be supplied shall be as specified in the bidding document.
- b) Unless otherwise stipulated in the Contract, the scope of supply shall include all such items not specifically mentioned in the Contract but that can be reasonably inferred from the Contract as being required for attaining delivery and completion of the goods and related services as if such items were expressly mentioned in the Contract.

vii. Delivery of services/equipment

- a) Subject to the conditions of the contract, the delivery of the goods and/or completion of the related services shall be in accordance with the delivery and completion schedule specified in the bidding document. The details of supply/ shipping and other documents to be furnished by the successful/ selected bidder are specified in the bidding document and/ or contract.
- b) The contract for the supply/AMC can be repudiated at any time by the purchase officer, if the supplies are not made to his satisfaction after giving an opportunity to the bidder of being heard and recording the reasons for repudiation.
- c) The Supplier/ Bidder shall arrange to provide Maintenance services for the ordered materials/ system as per specifications within the specified delivery/ completion period at various departments and/ or their offices/ locations mentioned in the bidding document and/ or contract.
- d) Shifting the place of Installation: The end-user will be free to shift the place of installation within the same city /town/ district/ division. The successful/ selected bidder shall provide all assistance, except transportation, in shifting of the equipment. However, if the city/town is changed, additional charges of assistance in shifting and providing maintenance services for remaining period would be decided mutually.
- e) Delivery of equipment should be completed within 6 weeks of issue of Purchase/Work Order.

viii. Supplier's/ Selected Bidder's Responsibilities

The Supplier/ Selected Bidder shall supply all the goods and related services included in the scope of supply in accordance with the provisions of bidding document and/ or contract.

ix. Purchaser's Responsibilities

- a) Whenever the supply of goods and related services requires that the Supplier/ Selected Bidder obtain permits, approvals, and import and other licenses from local public authorities, the Purchaser shall, if so required by the Supplier/ Selected Bidder, make its best effort to assist the Supplier/ Selected Bidder in complying with such requirements in a timely and expeditious manner.
- b) The Purchaser shall pay all costs involved in the performance of its responsibilities, in accordance with the general and special conditions of the contract.

x. Contract Price

- a) The Contract Price shall be paid as specified in the contract subject to any additions and adjustments thereto, or deductions there from, as may be made pursuant to the Contract.
- b) Prices charged by the Supplier/ Selected Bidder for the AMC and the Related Services performed under the Contract shall not vary from the prices quoted by the Supplier/ Selected Bidder in its financial bid, with the exception of any price adjustments authorized in the special conditions of the contract.

xi. Recoveries from Supplier/ Selected Bidder

- a) Recoveries of liquidated damages, short supply, breakage, rejected articles shall ordinary be made from bills.
- b) Amount may also be withheld to the extent of short supply, breakages, and rejected articles and in case of failure in satisfactory replacement by the supplier along with amount of liquidated damages shall be recovered from his dues and security deposit available with the department.
- c) In case, recovery is not possible recourse will be taken under Odisha PDR Act or any other law in force.

xii. Taxes & Duties

- a) The income tax, GST, etc., if applicable, shall be deducted at source from the payment to the Supplier/ Selected Bidder as per the law in force at the time of execution of contract. The entry tax, if applicable shall be deducted at source and deposited in the government treasury in proper revenue receipt head of account.
- b) For goods supplied from outside India, the successful/ selected bidder shall be entirely responsible for all taxes, stamp duties, license fees, and other such levies imposed outside the country.
- c) For goods supplied from within India, the successful/ selected bidder shall be entirely responsible for all taxes, duties, license fees, etc., incurred until delivery of the contracted Goods to the Purchaser.

- d) Revision in GST shall be on account of the tendering authority if it has been asked for separately in the financial bid and is not taken into account for the purpose of comparison of bids. If, however, they have not been asked for separately, any benefit or additional cost will be on account of the bidder. Revision of any other tax or duty shall be on account of the bidder.
- e) If any tax exemptions, reductions, allowances or privileges may be available to the successful/ selected bidder in India, the Purchaser shall use its best efforts to enable the successful/ selected bidder to benefit from any such tax savings to the maximum allowable extent.

xiii. Agreement & Security Deposit

- a) Successful bidder will have to execute an agreement as per Annexure -10 within a period of 21 days of issuing of order and deposit security equal to 10% of the value of the stores/services, for which bid is accepted, within 15 days from the date of dispatch on which the acceptance of the bid is communicated to him.
- b) The bidder shall furnish the following documents at the time of execution of agreement:-Attested copy of Partnership Deed in case of Partnership Firms.
- c) Registration Number and year of registration in case partnership firm is registered with Registrar of Firms.
- d) Address of residence and office, telephone numbers in case of sole Proprietorship. Registration issued by Registrar of Companies in case of Company.
- e) The earnest money deposited at the time of bid submission, if feasible, will be adjusted towards security amount. The Security amount shall in no case be less than earnest money.
- f) No interest will be paid by the department on the security money.
- g) The forms of security money shall be either be in the form of Bank Draft/ Bankers Cheque./ Bank Guarantee only
- h) The security money shall be refunded within one month of the final supply of the items as per purchases order in case of one time purchase and two months in case delivery is staggered, after the expiry of contract on satisfactory completion of the same or after the expiry of the period of guarantee if any, whichever is later and after satisfied performance there are no dues outstanding against the bidder.
- i) Forfeiture of Security Deposit: Security amount in full or part may be forfeited in the following cases:-
 - When any terms and conditions of the contract are breached. When the bidder fails to make complete supply satisfactorily.
 - Notice of reasonable time will be given in case of forfeiture of security deposit. The decision of the Purchase Officer in this regard shall be final.
- j) The expenses of completing and stamping the agreement shall be paid by the bidder and the department shall be furnished free of charge with one executed stamped counter part of the agreement.

xiv. Confidential Information

The Purchaser and the Supplier/ Selected Bidder shall keep confidential and shall not, without the written consent of the other party hereto, divulge to any third party any drawings, 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

- a) The Supplier/ Selected Bidder may furnish to its Subcontractor, if permitted, such documents, data, and other information it receives from the Purchaser to the extent required for the Subcontractor to perform its work under the Contract, in which event the Supplier/ Selected Bidder shall obtain from such Subcontractor an undertaking of confidentiality similar to that imposed on the Supplier/ Selected Bidder.
- b) The Purchaser shall not use such documents, data, and other information received from the Supplier/ Selected Bidder for any purposes unrelated to the Contract. Similarly, the Supplier/ Selected Bidder shall not use such documents, data, and other information received from the Purchaser for any purpose other than the design, procurement, or other work and services required for the performance of the Contract.
- c) The obligation of a party under sub-clauses above, however, shall not apply to information that: -
 - the Purchaser or Supplier/ Selected Bidder need to share with other institutions participating in the Contract;
 - now or hereafter enters the public domain through no fault of that party;
 - can be proven to have been possessed by that party at the time of disclosure and which was not previously obtained, directly or indirectly, from the other party; or
 - otherwise lawfully becomes available to that party from a third party that has no obligation of confidentiality.
- d) The above provisions shall not in any way modify any undertaking of confidentiality given by either of the parties hereto prior to the date of the Contract in respect of the supply or any part thereof.
- e) The provisions of this clause shall survive completion or termination, for whatever reason, of the Contract.

xv. Specifications and Standards

- a) All article/services supplied shall strictly conform to the specifications, trademark laid down in the tender form and wherever articles have been required according to ISI/ ISO/ other applicable specifications/ certifications/ standards, those articles should conform strictly to those specifications/ certifications/ standards. The supply shall be of best quality and description. The decision of the competent authority/ purchase committee whether the articles supplied conforms to the specifications shall be final and binding on the supplier/ selected bidder.
- b) Technical Specifications and Drawings
 - The Supplier/ Selected Bidder shall ensure that the goods and related services comply with the technical specifications and other provisions of the Contract.

- The Supplier/ Selected Bidder shall be entitled to disclaim responsibility for any design, data, drawing, specification or other document, or any modification thereof provided or designed by or on behalf of the Purchaser, by giving a notice of such disclaimer to the Purchaser.
 - The goods and related services supplied under this Contract shall conform to the standards mentioned in bidding document and, when no applicable standard is mentioned, the standard shall be equivalent or superior to the official standards whose application is appropriate to the country of origin of the Goods.
- c) Wherever references are made in the Contract to codes and standards in accordance with which it shall be executed, the edition or the revised version of such codes and standards shall be those specified in the bidding document. During Contract execution, any changes in any such codes and standards shall be applied only after approval by the Purchaser and shall be treated in accordance with the general conditions of the contract.

xvi. Advance Payments

No advance Payment will be made.

xvii. Liquidated Damages (LD)

- a) In case of extension in the delivery/service period with liquidated damages the recovery shall be made on the basis of following percentages of value of Stores with the bidder has failed to supply:-
- delay up to one fourth period of the prescribed delivery period: 2.5%
 - delay exceeding one fourth but not exceeding half of the prescribed period: 5.0%
 - delay exceeding half but not exceeding three fourth of the prescribed period: 7.5%
 - delay exceeding three fourth of the prescribed period: 10%
- b) Fraction of a day in reckoning period of delay in supplies shall be eliminated if it is less than half a day.
- c) The maximum amount of liquidated damages shall be 10% . If the supplier requires an extension of time in completion of contractual supply on account of occurrence of any hindrance, he shall apply in writing to the authority, which has placed the supply order, for the same immediately on occurrence of the hindrance but not after the stipulated date of completion of supply.
- d) Delivery period may be extended with or without liquidated damages if the delay in the supply of goods is on account of hindrances beyond the control of the bidder.
- Bidders must make their own arrangements to obtain import license, if necessary. If a bidder imposes conditions which are in addition to or in conflict with the conditions mentioned herein, his tender/ bid is liable to summary rejection. In any case none of such conditions will be deemed to have been accepted unless specifically mentioned in the letter of acceptance of tender/ bid issued by the Purchase Officer.
 - If any dispute arise out of the contract with regard to the interpretation, meaning and breach of the terms of the contract, the matter shall be referred to by the Parties to the Chief Executive Officer who will appoint his senior most deputy as the Sole Arbitrator of the dispute who will not be related to this contract and whose decision shall be final.

- All legal proceedings, if necessary arise to institute may by any of the parties (Government / Contractor) shall have to be lodged in courts situated in Odisha and not elsewhere.

xviii. Patent Indemnity

- a) The supplier/ selected bidder shall, subject to the Purchaser's compliance with sub-clause (b) below, indemnify and hold harmless the Purchaser and its employees and officers from and against any and all suits, actions or administrative proceedings, claims, demands, losses, damages, costs, and expenses of any nature, including attorney's fees and expenses, which the Purchaser may suffer as a result of any infringement or alleged infringement of any patent, utility model, registered design, trademark, copyright, or other intellectual property right registered or otherwise existing at the date of the Contract by reason of: - the installation of the Goods by the supplier/ selected bidder or the use of the Goods in the country where the Site is located; and the sale in any country of the products produced by the Goods.
- b) Such indemnity shall not cover any use of the Goods or any part thereof other than for the purpose indicated by or to be reasonably inferred from the Contract, neither any infringement resulting from the use of the Goods or any part thereof, or any products produced thereby in association or combination with any other equipment, plant, or materials not supplied by the supplier/ selected bidder, pursuant to the Contract.
- c) If any proceedings are brought or any claim is made against the Purchaser arising out of the matters referred to above, the Purchaser shall promptly give the supplier/ selected bidder a notice thereof, and the supplier/ selected bidder may at its own expense and in the Purchaser's name conduct such proceedings or claim and any negotiations for the settlement of any such proceedings or claim.
- d) If the supplier/ selected bidder fails to notify the Purchaser within thirty (30) days after receipt of such notice that it intends to conduct any such proceedings or claim, then the Purchaser shall be free to conduct the same on its own behalf.
- e) The Purchaser shall, at the supplier's/ selected bidder's request, afford all available assistance to the supplier/ selected bidder in conducting such proceedings or claim, and shall be reimbursed by the supplier/ selected bidder for all reasonable expenses incurred in so doing.
- f) The Purchaser shall indemnify and hold harmless the supplier/ selected bidder and its employees, officers, and Subcontractors (if any) from and against any and all suits, actions or administrative proceedings, claims, demands, losses, damages, costs, and expenses of any nature, including attorney's fees and expenses, which the supplier/ selected bidder may suffer as a result of any infringement or alleged infringement of any patent, utility model, registered design, trademark, copyright, or other intellectual property right registered or otherwise existing at the date of the Contract arising out of or in connection with any design, data, drawing, specification, or other documents or materials provided or designed by or on behalf of the Purchaser.

xix. Limitation of Liability

Except in cases of gross negligence or willful misconduct: -

- a) neither party shall be liable to the other party for any indirect or consequential loss or damage, loss of use, loss of production, or loss of profits or interest costs, provided that this exclusion shall not apply to any obligation of the supplier/ selected bidder to pay liquidated damages to the Purchaser;

and

- b) the aggregate liability of the supplier/ selected bidder to the Purchaser, whether under the Contract, in tort, or otherwise, shall not exceed the amount specified in the Contract, provided that this limitation shall not apply to the cost of repairing or replacing defective equipment, or to any obligation of the supplier/ selected bidder to indemnify the Purchaser with respect to patent infringement.

xx. Change in Laws & Regulations

Unless otherwise specified in the Contract, if after the date of the Invitation for Bids, any law, regulation, ordinance, order or bylaw having the force of law is enacted, promulgated, abrogated, or changed in Odisha/ India, where the Site is located (which shall be deemed to include any change in interpretation or application by the competent authorities) that subsequently affects the Delivery Date and/ or the Contract Price, then such Delivery Date and/ or Contract Price shall be correspondingly increased or decreased, to the extent that the Supplier has thereby been affected in the performance of any of its obligations under the Contract. Notwithstanding the foregoing, such additional or reduced cost shall not be separately paid or credited, if the same has already been accounted for in the price adjustment provisions where applicable.

xxi. Force Majeure

- a) The supplier/ selected bidder shall not be liable for forfeiture of its PSD, LD, or termination for default if and to the extent that its delay in performance or other failure to perform its obligations under the Contract is the result of an event of Force Majeure.
- b) For purposes of this Clause, "Force Majeure" means an event or situation beyond the control of the supplier/ selected bidder that is not foreseeable, is unavoidable, and its origin is not due to negligence or lack of care on the part of the supplier/ selected bidder. Such events may include, but not be limited to, acts of the Purchaser in its sovereign capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions, and freight embargoes.
- c) If a Force Majeure situation arises, the supplier/ selected bidder shall promptly notify the department in writing of such conditions and cause thereof within 15 days of occurrence of such event. Unless otherwise directed by OCAC, the supplier/ selected bidder shall continue to perform its obligations under the contract as far as reasonably practical.
- d) If the performance in whole or part or any obligation under the contract is prevented or delayed by any reason of Force Majeure for a period exceeding 60 days, either party at its option may terminate the contract without any financial repercussion on either side.
- e) In case a Force Majeure situation occurs with the OCAC, the OCAC may take the case with the supplier/ selected bidder on similar lines.

xxii. Change Orders and Contract Amendments

- a) The Purchaser may at any time order the supplier/ selected bidder through Notice in accordance with clause "Notices" above, to make changes within the general scope of the Contract in any one or more of the following: -
 - drawings, designs, or specifications, where Goods to be furnished under the Contract are to be

specifically manufactured for the Purchaser;

- the method of shipment or packing; the place of delivery; and
 - the related services to be provided by the supplier/ selected bidder.
- b) If any such change causes an increase or decrease in the cost of, or the time required for, the supplier's/ selected bidder's performance of any provisions under the Contract, an equitable adjustment shall be made in the Contract Price or in the Delivery and Completion Schedule, or both, and the Contract shall accordingly should be amended. Any claims by the supplier/ selected bidder for adjustment under this clause must be asserted within thirty (30) days from the date of the supplier's/ selected bidder's receipt of the Purchaser's change order.
- c) Prices to be charged by the supplier/ selected bidder for any related services that might be needed but which were not included in the Contract shall be agreed upon in advance by the parties and shall not exceed the prevailing rates charged to other parties by the supplier/ selected bidder for similar services.
- d) The TSP shall undertake AMC/FMS of all additional equipment installed under the project during entire contract period as per the rate of work order.
- e) The quantity of items/services mentioned in annexure-1 & Commercial Bid are indicative. However, the work order will be placed as per actual (approved by the purchaser).

xxiii. Termination

1) Termination for Default

- a) The tender sanctioning authority of OCAC may, without prejudice to any other remedy for breach of contract, by written notice of default sent to the supplier/ selected bidder, terminate the contract in whole or in part with a prior notice period of 30 days : -
- If the supplier/ selected bidder fails to deliver any or all quantities of the service within the time period specified in the contract, or any extension thereof granted by OCAC; or
 - If the supplier/ selected bidder fails to perform any other obligation under the contract within the specified period of delivery of service or any extension granted thereof; or
 - If the supplier/ selected bidder, in the judgment of the Purchaser, is found to be engaged in corrupt, fraudulent, collusive, or coercive practices in competing for or in executing the contract.
 - If the supplier/ selected bidder commits breach of any condition of the contract
- b) If OCAC terminates the contract in whole or in part, amount of PSD may be forfeited.
- c) Before cancelling a contract and taking further action, advice of senior most finance person available in the office and of legal adviser or legal assistant posted in the office, if there is one, may be obtained.

2) Termination for Insolvency

OCAC may at any time terminate the Contract by giving Notice to the supplier/ selected bidder, if the supplier/ selected bidder becomes bankrupt or otherwise insolvent. In such event, termination will

be without compensation to the supplier/ selected bidder, provided that such termination will not prejudice or affect any right of action or remedy that has accrued or will accrue thereafter to OCAC.

3) Termination for Convenience

- a) OCAC, by a Notice sent to the supplier/ selected bidder may terminate the Contract, in whole or in part, at any time for its convenience. The Notice of termination shall specify that termination is for the Purchaser's convenience, the extent to which performance of the supplier/ selected bidder under the Contract is terminated, and the date upon which such termination becomes effective with a prior notice period of 30 days.
- b) Depending on merits of the case the supplier/ selected bidder may be appropriately compensated on mutually agreed terms for the loss incurred by the contract if any due to such termination.
- c) The Goods that are complete and ready for shipment within twenty-eight (28) days after the supplier's/ selected bidder's receipt of the Notice of termination shall be accepted by the Purchaser at the Contract terms and prices. For the remaining Goods, the Purchaser may elect:
 - To have any portion completed and delivered at the Contract terms and prices; and/or
 - To cancel the remainder and pay to the supplier/ selected bidder an agreed amount for partially completed Goods and Related Services and for materials and parts previously procured by the supplier/ selected bidder.

B) Payment Terms and Schedule

- a) The payment to the SP shall be made on **quarterly basis i.e. at the end of each quarter for the AMC/FMS.**
- b) The payment against supply of equipment and accessories to be made after verification of the same by the officials of IT Centre, Secretariat and submission of PBG.
- c) The supplier's/ selected bidder's shall request for payment to the purchaser in writing, accompanied by invoices in triplicate along with the quarterly deliverables in approved formats as defined in scope of work .
- d) Payments shall be made promptly by the purchaser, generally within sixty (60) days after submission of an invoice or request for payment by the supplier/selected bidder, and the purchaser has accepted it.
- e) The currency or currencies in which payments shall be made to the supplier/ selected bidder under this Contract shall be Indian Rupees (INR) only.
- f) All remittance charges will be borne by the supplier/ selected bidder.
- g) Amount towards all the kinds of Penalties and Liquidated Damages shall be deducted from the amount payable for the respective quarter. In case the amount of Penalties and LD's exceed the amount payable for the current quarter then balance amount of Penalties and Liquidated Damages shall be deducted from the amount payable in next quarter.
- h) Payment will be made after getting Deliverables & RPF Compliance report.
- i) The SP shall submit End-to-End Support Certificate of the OEM in the name of OCAC for the equipment covered under AMC.

- j) The quantities mentioned in this bid document are indicative and shall be used for evaluation purposes. The payment shall be made as per actual.
- k) No Travel/transport cost shall be paid separately for visits to different buildings to perform various activities as mentioned in the scope of work.

C) Special Conditions of the Bid

Service Level Requirements

1. SLA Objectives

- a) TSP is required to provide a minimum overall uptime of 99% on quarterly basis for all equipments as mentioned in annexure-1.
- b) TSP shall provide services as per SLA matrix, which defines maximum acceptable response as well as rectification time for resolving the problem.

2. SLA Duration

- a) Timing: 24 X 7
- b) Prime Business Hours 8:00 AM to 8:00 PM
- c) Extended Business Hours 8:00 PM to 8:00 AM

3. SLA Matrix

- i. The TSP shall provide the required services as per SLA matrix given below: -

SLA Matrix for Prime Business Hours (8AM to 8PM)	
Severity Level	Max. Rectification Time
1	1 Hour
2	3 Hours
SLA Matrix for Extended Business Hours (8PM to 8AM)	
Severity Level	Max. Rectification Time
1	2 Hours
2	6 Hours

- ii. Downtime would starts from the date and time of reporting of problem to Helpdesk or identified by the TSP.

4. Planned Down Time:

- i. The TSP has to seek prior approval from the purchaser/ designated agency for the planned downtime required, if any.
- ii. The planned downtime would not be added to the SLA downtime.

5. SLA Severity Levels Defined

The severity level of each component defines by its importance in the infrastructure and its impact in case of failure as detailed below.

i. Severity Level-0

This level is for the purpose of escalation of severity from level of 1 to zero with enhanced downtime. There are no response and rectification times defined for this level.

ii. Severity Level-1 : Equipment covered under severity level 1 are as under -

- Core switches/ Building Switches/ Edge Switches Routers
- Firewalls IDS
- Server and Network Racks Load Balancers
- WEB/Application/Data base/other Servers with operating System
- Wireless Bridges and antenna
- IP EPABXs solution
- UPS : 1 to 10 KVA and 80 KVA
- Terminal points of Passive component.
- Internet Leased Lines
- Point to point Leased Lines/Data Circuits

iii. Severity Level-2 : all other equipments/services not mentioned under Severity level 1.

6. SLA Down Time calculation for equipments of different severity levels

- The calculation of downtime w.r.t. Severity levels is as defined below:

Equipment Severity Level	Time hours factored for SLA
Severity Level-0	Every Thirty minutes of downtime is equal to One hour of SLA downtime
Severity Level-1	Every One hour of downtime is equal to Two hour of SLA downtime
Severity Level-2	Every Eight hours of downtime is equal to One hour of SLA downtime

- In case an equipment/service remains non functional for more than allowed hours of the severity level, the severity level will go up for the device to the next higher level (i.e. If a equipment of severity level-2 is non functional for more than 8hours the 9th hour onward the severity level for the equipment will be calculated based on the Severity level-1) and will keep on escalating to further level if still remains non-functional

7. SLA Manpower Requirements

- The number of Customer Support Engineers at IT Centre need to be 14 numbers to cater 24/7 service. At least one support engineer in each shift must be well conversant with Hardware trouble shooting.

- Shift-1: 06 A.M. to 02 P.M. : 7 Support Engineers and 1 Electrician

- Shift-2: 02 P.M. to 10 P.M. : 6 Support Engineers and 1 Electrician

- Shift-3: 10 P.M. to 06 A.M. : 1 Support Engineer and 1 Electrician

- Three numbers of Support Engineers (one in each shift) with Electrical Diploma and minimum 2 years of experience in managing medium scale electrical set up and operational knowledge on Large DG sets have to be provided by TSP for support of internal electrical works and DG Set operation.

TSP shall deploy following minimum manpower resources in shifts at IT Centre Secretariat premises with no other responsibility to meet out the SLA –

S.No.	Resource	Minimum Resources		Minimum Qualifications	Minimum Experience
		PBH	EBH		
1.	Project Manager/Team Leader at IT Centre	1		B.E/ B.Tech/MSC. in IT/CS or MCA/B Level of DOEACC with MBA,PMP,ITIL	5 years working experience as project Manager in similar Project
2.	System/Network Administrator at IT Centre	3	1	B.E/ B.Tech/MSC. in IT/CS or MCA/B Level of DOEACC with CCNA, CCNP certificate	5 years working experience as Network /System Administrator
3.	Security Administrator	1		B.E/ B.Tech/MSC. in IT/CS or MCA/B Level of DOEACC with CCNA, CCNP, CCSA & Certified Checkpoint/ Certified Forcepoint and CISCO Engineer	5 years working experience as Security Administrator to manage the Firewall, IPSEC/SSL VPN and Network Security
4.	Server Administrator	1		B.E/ B.Tech/MSC. in IT/CS or MCA/B Level of DOEACC with Microsoft and Linux Certified Engineer	3 year working experience on managing DNS, AD, Application, Storage Server Etc. on Linux/Unix and Windows platform
5.	Help Desk Assistant	2		Graduate with Post Graduate Diploma in IT/Computer	3 Years working experience as helpdesk assistant
6.	Customer Support Engineers (Hardware and networking) at IT Centre	14 (As per shift indicated above)		1. B.E/B.Tech in IT/CS Or 2. Diploma in IT/CS with CCNA Or 3. Graduate with CCNA	1. 2 years working experience in same profile. or 2. 3 years working experience in same profile. or 3. 5 years working experience in same profile.
7.	Network Passive Technician	3		Matriculate/ITI with knowledge in Structured Network Cabling	3 Years experience in Network structured cabling

8.	Customer Support Engineers (Electrical) at IT Centre	3 (As per shift indicated above)	Diploma in Electrical Engineering/ITI	2 years of experience in managing medium scale electrical set up and operational knowledge on Large DG sets/UPS/AC
9.	Customer Support Engineers (VPN/ZTNA)	2	1. B.E/B.Tech in IT/CS Or 2. Diploma in IT/CS with CCNA Or 3. Graduate with CCNA	1. 2 years working experience in same profile. or 2.3 years working experience in same profile. or 3.5 years working experience in same profile.

- Note : All above Manpower must be on Company's Payroll.

1. Penalty for non achievement of Service Level Requirements on Equipment under AMC

- A penalty on non achievement of SLA requirements would be deducted from the due quarterly payments as per following table –

Sl. No.	Uptime of all items mentioned in Annexure-1	Penalty
1.	>=99.00%	Nil
2.	>= 97.50% to <99.00 %	Rs. 100 per Hour per Equipment under AMC
3.	>=95% to <97.50%	Rs. 150 per Hour per Equipment under AMC
4.	Less than 95%	Rs. 250 per Hour per Equipment under AMC

- The Downtime as per the severity level would be calculated for each item listed in Annexure-1 except OFC cables, LAN Cables and I/O Boxes. The number of items/services is indicative and the exact number would be finalized after receipt of Asset Management Report and Software Inventory report.
- The down time of all equipments / services shall be calculated either through NMS reports or from Help Desk Reports as per in annexure-13. Total % downtime will be calculated through following formula

$$(\text{sum of the downtime of all equipment in hours}) * 100$$

$$\% \text{ downtime} = \frac{\text{sum of the downtime of all equipment in hours}}{\text{(total no. of equipment * total no. of hours in quarter)}}$$

2. Penalty on Preventive Maintenance Services

A penalty of Rs. 2000/- per equipment per quarter would be levied for not providing preventive maintenance services in a quarter

3. Penalty of Rs. 1000.00 per hour on delay in providing different services to SecLAN users at Portal Data Centre. The list of such services are : (To be deducted from FMS Manpower cost)

- Change Request for opening/closing of a Port on device
- Request for FTP rights
- Request for Internet Access
- Request for DNS Entry

- v. Request for VPN Service
- vi. Change request for IPS/other Firewall blade Policies
- vii. Change Request for Web Content Filtering Policies
- viii. Request for uploading of Web Site/Applications/Databases
- ix. Request for Installation of IP Phones
- x. Change request for Routing Policies
- xi. Change Request for Firewall Policy
- xii. Request for Installation/Re-Installation of Servers
- xiii. Request for Installation/Re-Installation of Databases
- xiv. Request for assigning rights on devices/servers/database
- xv. Request for Installation of other Hardware Equipments (Servers/Network/ Wireless/ UPS)
- xvi. All Active Device configuration/OS backup on every changes made

4. Penalty on non availability of manpower resources.

S.No.	Resource	Penalty on non availability of resource
1.	Project Manager/Team Leader at IT Centre	Rs. 4000.00 per resource per absent day maximum of Rs. 1,00,000.00 per month.
2.	Network Administrator at IT Centre	Rs. 3000.00 per resource per absent day maximum of Rs. 48,000.00 per month.
	Security Administrator at IT Centre	Rs. 3000.00 per resource per absent day maximum of Rs. 48,000.00 per month.
3.	Helpdesk assistant at IT Centre	Rs. 500.00 per resource per absent days maximum of Rs. 25000.00 per month.
4.	Customer Support Engineers (all types)/ Passive Technician at IT Centre	Rs. 500.00 per resource per absent days maximum of Rs. 25,000.00 per month.

9. Annexure-A: LIST OF EQUIPMENTS INSTALLED AT IT CENTRE AND SECRETARIAT

SECLAN-NETWORKING-SERVER- UPS AND OTHER EQUIPMENTS

Infra at Secretariat Building

Server and Storage

Sl. No.	Description	Make & Model	Qty	Location	Procurement Year	Warra nty
1	Chassis	HP, C7000	1	IT Centre	2013	NO
2	Blade Server	HP BL-420C, Gen8	12	IT Centre	2013	NO
3	Storage (SAN 20 TB) with controller and SAN Switch	HP 2000	1	IT Centre	2013	NO
4	Chassis	HP, C7000	1	IT Centre (SAMS)	2018	NO
5	Blade Server	HP-BL460C	6	IT Centre (SAMS)	2018	NO
6	Storage (SAN 3 PAR 20 TB) with controller and SAN Switch	HP	1	IT Centre (SAMS)	2018	NO
7	KVM	Emerson	1	IT Centre (SAMS)	2018	NO
8	Autoloader Tape Library	HP	1	IT Centre (SAMS)	2018	NO
9	Store One Backup Drive (48 TB)	HP	1	IT Centre (SAMS)	2018	NO
10	Application Load Balancer	Array	1	IT Centre (SAMS)	2018	NO
11	Layer 2 managed Switch	HP	1	IT Centre (SAMS)	2018	NO

Next Generation Firewall

Sl. No.	Description	Make & Model	Qty	Location	Procurement Year	Warranty
1	Next Generation Threat Prevention	12200 Check Point	2	IT Centre	2016	NO
2	Firewall Manager Smart-1	210 Check Point	1	IT Centre	2016	NO

3	Next Generation Firewall	26000 Base Appliance	2	IT Centre	2020	YES
4	Firewall Manager	Smart-1 405	1	IT Centre	2020	YES
5	Anti APT	SandBlast TE1000X	1	IT Centre	2020	YES

Content Filtering Appliance

Sl.	Description	Make & Model	Qty	Location	Procurement Year	Warranty
1	Web Gateway Solution	Forcepoint (Up graded on 2021)	2	IT Centre	2016	YES
2	Triton Manager (IBM) Server	Triton		IT Centre	2016	YES
3	SQL DB (IBM) Server	Tri SQL		IT Centre	2016	YES
4	Remote Filtering (IBM) Server	Tri Filter		IT Centre	2016	YES

Network Load Balancer

Sl.	Description	Make & Model	Qty	Location	Procurement Year	Warranty
1	Load Balancer	Alteon-NG6024-30G	2	IT Centre	2018	YES
2	Load Balancer Manager	Alteon-NG6024-30G	1	IT Centre	2018	YES

Core Switch

Sl.	Description	Make & Model	Qty	Location	Procurement Year	Warranty
1	Core Switch with all accessories and modules	CISCO, N9K-C9508	2	IT Centre	2018	YES

Distribution witch

Sl.	Description	Make & Model	Qty	Location	Procurement Year	Warranty
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1	Distribution Switch with all accessories and modules	N9K-C92160YC-X	9	Secretariat, Rajib Bhawan, Heads of Deptt.	2018	YES
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KVM Switch

Sl.	Description	Make & Model	Qty	Location	Procurement Year	Warranty
1	24 port KVM Switch with all accessories	Aten, KN4124VA-AX-E	1	IT Centre	2018	YES

Edge Switch/Router

Sl.	Description	Make & Model	Qty	Location	Procurement Year	Warranty
1	Edge Switch (L2) with modules	Cisco Linksys SGE 2000P	39	Secretariat, IT Centre	2009/10	NO
2	Edge Switch (L2) with modules (New)	Cisco WS-2960X PDL	61	Secretariat, IT Centre	2016	NO
3	Edge Switch (L2)	HP A5120	9	Secretariat	2013	YES
4	Edge Switch (L2) with modules (New)	Cisco WS-2960X	117	Secretariat, IT Centre	2020	YES
5	Edge Switch (L2) with modules (New)	ARUBA	76	Kharavela Bhawan	2019	YES
6	ROUTER	CISCO - 2811	1	ITC	2010-11	NO

Wireless Controller and Access point

Sl.	Description	Make & Model	Qty	Location	Procurement Year	Warranty
1	WIRELESS CONTROLLER	ARUBA - 6000	2	ITC	2012	NO
2	Access Point	ARUBA - AP 93	150	Secretariat	2012	NO

UPS (Online/Line Interactive)

Sl.	Description	Make & Model	Qty	Location	Procurement Year	Warranty
1	UPS 3KVA (Online) with Battery Bank	Consul Neowatt	9	Secretariat	2019	NO

2	1KVA UPS (Line Interactive with battery)	Libert 1000	94	Secretariat	2019	NO
3	UPS 10KVA (Online) with Battery Bank	Numeric	2	ITC	2006-07-08	NO
4	UPS 80 KVA (OnLine) with Battery Bank	Consul Neowatt	2	ITC	2016	NO

PASSIVE ITEM INSTALLED UNDER SECLAN

Sl.	Description	Make & Model	Qty	Location	Procurement Year	Warranty
1	Network RACK	42U	16	Secretariat	2013	NO
3	RACK	VALRACK 9U	14	Secretariat	2019	NO
4	RACK	6U	20	Secretariat		NO
5	FIBRE	DLINK/Molex 6/12/24 CORE	40 KM	Secretariat	2009- 10/2017-21	NO
6	LIU	24/12 PORT (APROX)	100	Secretariat	2009- 10/2017-21	NO

Infra at Kharavela Bhavan Building

Core Switch

Sl.	Description	Make & Model	Qty	Location	Procurement Year	Warranty
1	Core Switch with all accessories and modules	HP, 12904E	2	Kharavela Bhavan	2019	YES

Distribution witch

Sl.	Description	Make & Model	Qty	Location	Procurement Year	Warranty
1	Distribution Switch with all accessories and modules	HPE 5940	7	Kharavela Bhavan	2019	YES

Wireless Controller and Access point

Sl.	Description	Make & Model	Qty	Location	Procurement Year	Warranty
1	WIRELESS CONTROLLER	HP, ARUBA – 7205	2	ITC	2019	YES
2	Access Point	ARUBA – AP 305	77	Secretariat	2019	YES

Note.

- i. Bidders are advised to visit Portal Data Center, Secretariat, New Secretariat Building, Rajib Bhawan, HoD Building, O/O. CEO, I&PR Department to see the items and for detailed configuration etc.
- ii. All accessories including network cable/OFC/power cable/ power extension board, connectors/ Couplers etc. connected/terminated to active equipments & will be covered under this Maintenance contract.

10. Annexure-1: MATERIALS TO BE COVERED UNDER AMC

Server, Storage, Networking equipment, UPS, DG Set, Air Conditioners

Sl.	Description	Make & Model	Qty	Location	Procurement Year	Warranty
1	Chassis	HP, C7000 with all accessories	1	IT Centre	2013	NO
2	Blade Server	HP BL420C, Gen8	12	IT Centre	2013	NO
3	Storage (SAN 20 TB) with controller and SAN Switch	HP 2000	1	IT Centre	2013	NO
4	Load Balancer	Radware, Alteon NG-6020	2	IT Centre	2019	YES
5	Load Balancer manager	Radware, Absolute Vision	1	IT Centre	2019	YES
6	Next Generation Firewall	Checkpoint 12200	2	IT Centre	2017	NO
7	Next Generation Firewall Manager	Checkpoint Smart one 210	1	IT Centre	2017	NO
8	Core Switch	CISCO N9KC9508	2	IT Centre	2019	YES
9	Distribution Switch	CISCO C92160YCX	9	Secretariat	2019	YES
10	Edge Switch	Cisco 2960X PDL	61	Secretariat	2019	YES
11	1 KVA Line Interactive UPS with Battery	Lbert 1000	94	Secretariat	2019	NO
12	UPS 3 KVA (Online) with Battery Bank	Consul Neowatt	9	Secretariat	2019	NO
13	UPS 10KVA (Online) with Battery Bank	Numeric	2	ITC	2007-08	NO
14	200 KVA DG Set with AMF Panel	Sterling	1	ITC	2013	NO
15	80 KVA ON-Line UPS with Battery Bank	Consul Neowatt	2	ITC	2014-15	NO
16	11 Ton Ductable Split AC	Carrier	2	ITC	2018-19	NO
17	4 Ton Tower AC	Carrier	3	ITC	2018-2019	NO
18	2 Ton Split AC	O'general/Voltas	2	ITC	2010/2019	NO
19	1.5 Ton Split AC	LG	2	ITC	2015/2019	NO

- NB:**
- 1. PREVENTIVE MAINTENANCE OF DG SET, BATTERY ALONG WITH AMF PANEL TO BE DONE IN EVERY QUARTER.**
 - 2. REPLACEMENT OF ENGINE OIL & ALL FILTERS TO BE DONE AS PER REQUIREMENT.**
 - 3. PREVENTIVE MAINTENANCE OF ALL AIR CONDITIONERS TO BE DONE EACH QUARTER.**

11. Annexure-2-ITEMS UNDER FMS

LIST OF ITEMS UNDER FACILITY MANAGEMENT SYSTEMS (FMS) AS PER ANNEXURE-A ALONG WITH THE ITEMS MENTIONED AT ANNEXURE-1(AMC).

(PROVIDING CONNECTIVITY, ANTIVIRUS MANAGEMENT, CONTENT FILTERING MANAGEMENT, SERVER, STORAGE, DATABASE, OPERATING SYSTEM, FIREWALL MANAGEMENT, LOAD BALANCER MANAGEMENT)

A (1): Desktops, Laptops, Printers etc

<u>SL</u>	<u>DESCRIPTION</u>	<u>MAKE & MODEL</u>	<u>QTY</u>	<u>INSTALLATION LOCATION</u>
1	Desktops (Including OS & Application Software)	Dell, Wipro, HP, Lenevo, Acer, HCL etc.	8000	Secretariat, nEW SECRETARIAT BUILDING, Rajib Bhawan, HoD Building, CEO, I&PR Deptt.
2	Laptops (Including OS & Application Software)	Dell, Wipro, HP, Lenevo, Acer, HCL etc.	1000	Secretariat, Rajib Bhawan, HoD Building, CEO, I&PR Deptt.
4	Printers & MFP	HP, canon etc.	1000	Secretariat, Rajib Bhawan, HoD Building, CEO, I&PR Deptt.
9	any other device like Tablets/iPAD/Smart Phones etc.		1000	Secretariat, Rajib Bhawan, HoD Building, CEO, I&PR Deptt.

A (2): Lease Lines

<u>SL</u>	<u>DESCRIPTION</u>	<u>MAKE & MODEL</u>	<u>QTY</u>	<u>INSTALLATION LOCATION</u>
1	1 GBPS INTERNET	BSNL / STM	2	ITC
2	180 MBPS INTERNET	STPI	1	ITC
3	48 MBPS INTERNET	BSNL (CMO)	1	ITC
4	1 GBPS INTERNET	BSNL (SAMS) / STM	1	ITC
5	50 MBPS (INTERNET)	PGCIL (EDESPATCH)	1	ITC
6	16 MBPS (POINT TO POINT)	BSNL (OCAC) (P2P)	1	ITC
7	1 GBPS POINT TO POINT	BSNL (IT CENTRE TO	2	ITC

		DIRECTORATES)		
8	100 MBPS (POINT TO POINT)	BSNL (OSWAN-IT CENTRE)	1	ITC
9	DARK FIBER (48 CORE)	RAILTEL (IT CENTRE TO OSDC)	1	ITC

A (3): Portal Data Centre : System Software (O/S, Antivirus, Content Filtering, Database, proxy, backup etc.)

<u>SL</u>	<u>DESCRIPTION</u>	<u>MAKE & MODEL</u>	<u>QTY</u>	<u>INSTALLATION LOCATION</u>
1	O/S	MICROSOFT / LINUX	20	ITC
2	DATABASE	MS-SQL	1	ITC
3	CONTENT FILTERING	FORCE POINT	2	ITC

N.B.: ALL OTHER ITEMS AND SERVICES NOT LISTED BUT PHYSICALLY AVAILABLE IN THE IT CENTRE, SECRETARIAT, RAJIB BHAVAN AND KHARAVELA BHAVAN TO BE COVERED UNDER THE FACILITY MANAGEMENT SERVICE (FMS). ALSO THE EQUIPMENT AND SERVICES ADDED TIME TO TIME AS PER REQUIREMENT TO BE COVERD UNDER FMS.

12. Annexure-3- TECHNICAL BID EVALUATION CHECKLIST

(To be submitted on firm's letter head)

SL	BASIC REQUIREMENT	SPECIFIC REQUIREMENTS	DOCUMENTS REQUIRED
1	Legal Entity	<p>The bidder should be a company registered under Indian Companies Act, 1956 and operating since 5 years in India</p> <p>The bidder must have GST registration & up-to-date Income Tax Return, PAN Number as on 31st March, 2020.</p>	<ul style="list-style-type: none"> • Certificates of incorporation • Registration Certificates • Copy of GST Registration • Copy of Income Tax / PAN from respective Govt. Deptt
2	Turnover from maintenance services	Average Annual Turnover in last three financial years, i.e. 2017-18, 2018-19, 2019-2020 (as per the last published audited balance sheets), should be at least 50(Fifty) crores	CA Certificate with CA's Registration Number/ Seal
3	Net Worth	The net worth of the bidder in the last financial year, i.e. 2019-2020 should be Positive	CA Certificate with CA's Registration Number/ Seal
4	Technical Capability	<p>The bidders must executed at least networking infrastructure project in any government / PSU/central government unit in last 5 years of amount not less than 2.5 crore</p> <p>1) Operation & Maintenance of LAN/WAN having 5000 Nodes.</p> <p>2) Operation & Maintenance of Data Centre/ Server Firm (IT & Non-IT) Equipment.</p> <p>Having minimum one order value of Rs. 60 Lacs per annum.</p> <p style="text-align: center;">OR</p> <p>Two work order Rs. 30.00 Lacs per annum.</p>	<p>Satisfactory Work Completion Certificates from the client for the last work executed/ongoing projects + Copy of Work Order ;</p> <p>OR</p> <p>Copy of Work Order + Satisfactory Phase Completion Certificate from the client for ongoing projects.</p>
5	Tax registration and clearance	<p>The bidder should have registered under GST and the following documents to be submitted:</p> <p>1. GST registration certificate where his business is located. Up to Date GST Return Certificate.</p>	Copies of relevant certificates.

		2. PAN number/ TIN	
6	Certifications	The bidder must possess: I. A valid ISO 9001:2008 and 20000, 27000, 14000 Certification. II. CMMI Level 3 certificate for SVC	Copy of a valid certificate
7	Blacklisting	The Bidder : - Should not currently have been blacklisted by any Government.	Undertaking on a Non-judicial stamp paper of Rs. 10/- as per Annexure-7
8	Manpower Strength	The bidder should have support office at Bhubaneswar or to undertake to set up the Office at Bhubaneswar within 30 days of receiving the PO. Minimum 50 qualified support engineers preferably BE/B.Tech Degree or Diploma with CCNA or Graduate with CCNA, CCNP, CCSA certificate should be on company payroll. The list of such employees along with their PF number and CV is to be enclosed in the prescribed format.	In prescribed format as per Annexure-13 CERTIFICATE FROM HR HEAD FOR NUMBER OF TECHNICALLY QUALIFIED PROFESSIONALS EMPLOYED BY THE COMPANY.
9	OEM Authorization	The bidder must attach Manufactures Authorization certificate & Back-to-back support letter from OEMs for providing Comprehensive Maintenance support and services of the OEM equipment covered under the RFP except AC and DG Set. Undertaking to be given to provide Service Support for Air Conditioners and DG Set through Authorised Service partner only.	As per Annexure-9 The detail is at Annexure-B
10	Tender Fee	Scanned copy of Fee Receipt/DD/BC	Scanned copy of Fee Receipt/DD/BC
11	OCAC Processing Fee (in favour of OCAC)	Scanned copy of Fee Receipt/DD/BC	Scanned copy of Fee Receipt/DD/BC
12	EMD	Scanned copy of DD/ Banker's Cheque	Scanned copy of DD/ Banker's Cheque

Note: The bidder/ firm are requested to kindly adhere to the order of documents as mentioned above. Also, all the required documents should be properly annexed as indicated above along with an Index Page with the Page numbers of the respective Annexures.

13. Annexure-4-PRE-BID QUERIES FORMAT

Name of the Company/Firm: _____

Tender Fee Receipt No. _____ Dated _____ for Rs. _____/-

Name of Person(s) Representing the Company/ Firm:

Name of Person	Designation	Email-ID(s)	Tel. Nos. & Fax Nos.

Company/Firm Contacts:

Contact Person(s)	Address Correspondence	for	Email-ID(s)	Tel. Nos. & Fax Nos.

Query / Clarification Sought:

S.No.	RFP Page No.	RFP Rule No.	Rule Details	Query / Suggestion / Clarification

Note: - Queries must be strictly submitted only in the prescribed format (.XLS/ .XLSX/ .PDF). Queries not submitted in the prescribed format will not be considered/ responded at all by the tendering authority. Also, kindly attach the coloured scanned copy of the receipt towards the submission of the bidding/ tender document fee.

14. Annexure-5- TENDER FORM

Addressed to:

Name of the Tendering Authority	General Manager (Admin)
Address	OCAC
Telephone	
Tele Fax	
Email	

Firm Details:

Name of Firm				
Name of Contact Person with Designation				
Registered Office Address				
Address of the Firm				
Year of Establishment				
Type of Firm	Public Limited	Private Limited	Partnership	Proprietary
Put Tick() mark				
Telephone Number(s)				
Email Address/ Web Site	Email:		Web-Site:	
Fax No.				
Mobile Number	Mobile:			
Certification/Accreditation/Affiliation, if Any				

- 2) The requisite tender fee amounting to Rs. ____/- (Rupees <in words>) and OCAC processing fee have been deposited & enclosed vide receipt /BC/DD.No. ____ dated _____.
- 3) The requisite EMD amounting to Rs. ____/- (Rupees <in words>) has been deposited vide Banker's Cheque/ DD No. _____ dated _____ & Banker's Cheque/ DD No. _____ dated _____ .
- 4) We agree to abide by all the terms and conditions mentioned in this form issued by the Empanelment Authority and also the further conditions of the said notice given in the attached sheets (all the pages of which have been signed by us in token of acceptance of the terms mentioned therein along with stamp of the firm).

Date:

Name & Seal of the firm: _____

Authorized Signatory: _____

15. Annexure-6- BIDDER'S AUTHORIZATION CERTIFICATE

To,

{Tendering Authority},

I/ We {Name/ Designation} hereby declare/ certify that {Name/ Designation} is hereby authorized to sign relevant documents on behalf of the company/ firm in dealing with Tender/ NIT reference No. _____ dated _____. He/ She is also authorized to attend meetings & submit technical & commercial information/ clarifications as may be required by you in the course of processing the Bid. For the purpose of validation, his/ her verified signatures are as under.

Thanking you,

Verified Signature

Name of the Bidder: -

Authorised Signatory: -

Seal of the Organization: -

Date:

Place:

16. ANNEXURE-7: UNDERTAKING

(To be submitted by the bidder on a non-judicial stamp paper of Rs. 10/-)

In response to the Tender/ NIT Ref. No. _____ dated _____ for <Project Title>, as an Owner/ Partner/ Director of _____, I/ We hereby undertake that our Company/ firm _____, at the time of bidding: -

1. is having unblemished record and is not declared ineligible for corrupt & fraudulent practices either indefinitely or for a particular period of time by any State/ Central government/ PSU/ UT.
2. is not insolvent, in receivership, bankrupt or being wound up, does not have its affairs administered by a court or a

judicial officer, does not have its business activities suspended and must not be the subject of legal proceedings for any of the foregoing reasons.

3. does not have, and their directors and officers not have, been convicted of any criminal offence related to their professional conduct or the making of false statements or misrepresentations as to their qualifications to enter into a procurement contract within a period of three years preceding the commencement of the procurement process, or not have been otherwise disqualified pursuant to debarment proceedings.

If this undertaking is found to be incorrect then without prejudice to any other action that may be taken and our bid, to the extent accepted, may be cancelled.

Thanking you,

Name of the Bidder: -

Authorised Signatory: -

Seal of the Organization: -

Date: _____

Place: _____

17. ANNEXURE-8: CERTIFICATE OF CONFORMITY/ NO DEVIATION

To,

{Tendering Authority},

CERTIFICATE

This is to certify that, the specifications of Hardware & Software which I/ We have mentioned in the Technical bid, and which I/ We shall supply/provide support if I/ We am/ are awarded with the work, are in conformity with the minimum specifications of the Tender/ bidding document and that there are no deviations of any kind from the requirement specifications.

Also, I/ we have thoroughly read the tender/ bidding document and by signing this certificate, we hereby submit our token of acceptance to all the tender terms & conditions without any deviations.

I/ We also certify that the price I/ we have quoted is inclusive of all the cost factors involved in the end-to-end implementation and execution of the project, to meet the desired Standards set out in the Tender/ bidding Document.

Thanking you,

Name of the Bidder: -

Authorised Signatory: -

Seal of the Organization: -

Date: _____

Place: _____

18. ANNEXURE-9: Indicative format for manufacturer's Authorization Form

To,

{Tendering Authority},

Subject: Issue of the Manufacturer's Authorisation Form (MAF)

Reference: NIT/ RFP Ref. No. _____ dated _____

1. We {name and address of the OEM} who are original equipment manufacturers (OEMs) do hereby authorize {M/s _____} to provide Maintenance services for the products manufactured by our company against above referred bid.
2. We also undertake that we would provide the back to back support {M/s _____} for the products manufactured by us during entire project period i.e. Three Years with respect to technical support, updates, Patches and spare parts.

(Signature of Authorized Signatory with seal / stamp of the company)

Name:

Designation:

19. ANNEXURE-10: FINANCIAL BID FORMAT

To,

The General Manager (Admin),
OCAC, Bhubaneswar

Reference: NIT No. : _____ Dated: _____

Dear Sir,

We, the undersigned bidder, Having read & examined in detail, the Bidding Document, the receipt of which is hereby duly acknowledged, I/ we, the undersigned, offer to supply/ work as mentioned in the Scope of the work, Bill of Material, Technical specifications, Service Level Standards & in conformity with the said bidding document for the same.

I / We undertake that the prices are in conformity with the specifications prescribed. The quote/ price are inclusive of all cost likely to be incurred for executing this work. The prices are inclusive of all type of govt. taxes/duties.

I / We undertake, if our bid is accepted, to deliver the goods in accordance with the delivery schedule specified in the schedule of Requirements.

I/ We hereby declare that in case the contract is awarded to us, we shall submit the contract performance guarantee as prescribed in the bidding document.

I / We agree to abide by this bid for a period of ____ days after the last date fixed for bid submission and it shall remain binding upon us and may be accepted at any time before the expiry of that period.

Until a formal contract is prepared and executed, this bid, together with your written acceptance thereof and your notification of award shall constitute a binding Contract between us.

I/ We hereby declare that our bid is made in good faith, without collusion or fraud and the information contained in the bid is true and correct to the best of our knowledge and belief.

We understand that you are not bound to accept the lowest or any bid you may receive.

We agree to all the terms & conditions as mentioned in the bidding document and submit that we have not submitted any deviations in this regard.

Date:

Authorized Signatory

Name:

Designation:

20. COMMERCIAL/FINANCIAL BID

Tender Inviting Authority : OCAC

Name of the Work : AMC & FMS of Networking & Equipment of IT Centre, Secretariat

Contract No:

Ref no:

Bidder Name:

Price Schedule

Price Schedule- A : AMC charges for three years .

SL	Item Description	Make & Model	Qty	Unit Rate (INR) for 1 year	Rate (INR) for 3 years	GST (INR)	Total Amount (INR)
	(1)	(2)	(3)	(4)	(5=(4*3)*3)	(6)	(7=(5+6))
1	Chassis with all accessories	HP, C7000 with all accessories	1				
2	Blade Server	HP BL420C, Gen8	12				
3	Storage (SAN 20 TB) with controller and SAN Switch	HP 2000	1				
4	Load Balancer	Radware, Alteon NG-6020	2				
5	Load Balancer manager	Radware, Absolute Vision	1				
6	Next Generation Firewall	Checkpoint 12200	2				
7	Next Generation Firewall Manager	Checkpoint Smart one 210	1				
8	Core Switch	CISCO N9KC9508	2				
9	Distribution Switch	CISCO C92160YCX	9				
10	Edge Switch	Cisco 2960X PDL	61				
11	1 KVA Line Interactive UPS with Battery	Lbert 1000	94				
12	UPS 3 KVA (Online) with Battery Bank	Consul Neowatt	9				
13	UPS 10KVA (Online) with Battery Bank	Numeric	2				
14	200 KVA DG Set with AMF Panel	Sterling	1				
15	80 KVA ON-Line UPS with Battery Bank	Consul Neowatt	2				
16	11 Ton Ductable Split AC	Carrier	2				

17	4 Ton Tower AC	Carrier	3			
18	2 Ton Split AC	O'general/Voltas	2			
19	1.5 Ton Split AC	LG	2			
Total in figure						
Total in words						

Price Schedule- B : FMS Manpower charges for three years .

SL	Item Description	Qty	Unit Rate (INR) for 1 year	Rate (INR) for 3 years	GST (INR)	Total Amount (INR)
	(1)	(2)	(3)	(4=(3*2)*3)	(5)	(6=(4+5))
1	Project Manager/Team Leader at IT Centre	1				
2	System/Network Administrator at IT Centre	4				
3	Security Administrator at IT Centre	1				
4	Server/Database Administrator at IT	1				
5	Helpdesk Assistant	2				
6	Customer Support Engineer (Hardware/Networking) at IT Centre	14				
7	Customer Support Engineer (VPN/ZTNA Service)	2				
8	Customer Support Engineer (Electrical at IT Centre)	3				
9	Network Passive Technician at IT Centre	3				
Total in figure						
Total in words						

Price Schedule C : Network Switch, Passive Materials and other accessories

Sl. No.	Item Description	Make/ Model	Unit	Qty	Unit Rate (INR)	Total (INR)	GST (INR)	Total Amount (INR)
	(1)	(2)	(3)	(4)	(5)	(6=5*4)	(7)	(8=(6+7))
1	48 Port Layer 3 Distribution Switch as per Technical Specification at Annexure-15		No.	2				
2	24 port Fiber L2 Switch with as per Technical Specification at Annexure-16		No.	50				
3	24 port Layer 2 Managed PoE switch as per Technical Specification at Annexure-17		No.	150				
4	Core Router as per Specification at Annexure-18		No.	2				
5	Service Desk Manager as per Specification at Annexure-19		No.	1				
6	AAA Server Software as per Specification at Annexure-20		No.	1				
5	CAT6 UTP Cable		Box	100				
6	CAT6 UTP Patch Cable 3 Mtrs.		No.	1000				
7	CAT6 UTP Patch Cable 1 Mtr.		No.	1000				
8	24 port CAT6 Patch Panel		No.	100				
9	CAT6 Information Outlet with SMB		No.	1000				
10	Fiber Pigtail SC (Single Mode)		No.	500				
11	Fiber patch cable SC-LC (Single Mode) 3 Mtr.		No.	500				
12	Fiber patch cable SC-LC (Single Mode) 20 Mtr.		No.	100				
13	Fiber patch cable SC-SC (Single Mode) 3 Mtr.		No.	50				
14	Fiber patch cable SC-SC (Single Mode) 20 Mtr.		No.	50				
15	12 port fiber LIU (Rack Mount type) with coupler		No.	20				
16	24 port fiber LIU (Rack Mount type) with coupler		No.	20				
17	9U Network Rack with Cable Manager, Power Manager, Exhaust		No.	50				

	FAN and Mounting Nuts and accessories						
18	12 Core direct burrial outdoor Fiber cable (Single Mode)		Mtr.	2000			
19	Splicing Drum		No.	20			
20	Fixing and wiring of UTP Patch panel		No.	100			
21	Fixing and wiring of Information Outlet		No.	1000			
22	Fixing of fiber LIU		No.	40			
23	Splicing of Fiber cable		Core	500			
24	UTP Cable pulling, laying and wiring using PVC pipe/Casing wall plug and screws		Mtr.	30000			
25	Fiber cable pulling, laying digging the soil making the trench refilling the soil using HDPE pipe		Mtr.	2000			
Total in figure							
Total in words							

Note:

1. **The Quantities mentioned are indicative quantities and shall be used for financial evaluations. The actual quantity ordered shall vary depending on the requirements.**
2. **Prices of the above materials are to be valid for three years.**
2. **The authorized Officials of IT Centre, Secretariat shall raise the indent as per requirement during the contract period of three years as and when required.**
3. **The selected firm shall supply the material, install the same as per instructions of the Officials of IT Centre and raise the bill as per actual material supplied and work done in quarterly basis along with the indent raised and accepted by the Officials of IT Centre, Secretariat.**

Price Schedule D : UPS (On-Line & Line Interactive)

Sl. No.	Item Description	Make/Model	Unit	Qty	Unit Rate (INR)	Total (INR)	GST (INR)	Total Amount (INR)
	(1)	(2)	(3)	(4)	(5)	(6=(5*4))	(7)	(8=(6+7))
1	3 KVA Online UPS with 30 Minutes Battery Backup as per Technical Specification at Annexure-21		Nos.	9				
2	1 KVA Line Interactive UPS as per Technical Specification at Annexure-22		Nos.	50				
	Total in figure							
	Total in words							

Price Schedule E : Summary of financial Bid

Item No.	Item Description	Price quoted (In Rupees)
1.	2.	3
1	Total Price Schedule A.	
2	Total Price Schedule B	
3	Total Price Schedule C	
4	Total Price Schedule D	
	Grand Total (Figure):	
	Grand Total ((Words):	

21. ANNEXURE-11: DRAFT AGREEMENT

An agreement made this____ (enter date of Agreement)_between_(enter your firm's name & address)_ (hereinafter called "the approved supplier", which expression shall, where the context so admits, be deemed to include his heirs, successors, executors and administrators of the one part and the {TENDERING AUTHORITY} which expression shall, where the context so admits, be deemed to include his successors in office and assigns of the other part.

Whereas the approved supplier has agreed with the {tendering authority} to supply to the {tendering authority name and address} on behalf of (enter name of client organisation) to its various Offices as well as at its branch offices throughout Rajasthan, all those articles set forth in Our Work Order No.

_____ Dated _____ appended hereto in the manner set forth in the conditions of the bidding document and contract appended herewith and at the rates set forth in the said order.

And whereas the approved supplier has deposited a sum of Rs._____ in the form of: -

- a) Bank Draft No./ Banker Cheque/ Bank Guarantee No._____ dated._____ valid upto _____.
- b) Post Officer Savings Bank Pass Book duly hypothecated to the Departmental authority.
- c) National Savings Certificates / Defence Savings Certificates / Kisan Vikas Patras or any other script / instrument under National Saving Schemes for promotion of Small Savings, if the same can be pledged under the relevant rule. (The certificates being accepted at surrender value) as security for the due performance of the aforesaid agreement which has been formally transferred to DOIT&C.

Now these Presents witness:

- 1) In consideration of the payment to be made by the {tendering authority} through cheque/ DD at the rates set forth in the Work Order hereto appended the approved supplier will duly supply the said articles set forth in Our Work Order No._____ dated ___/___/20__ thereof in the manner set forth in the NIT, Tender Form, Instructions to Bidders, Terms of Reference, General and Special Conditions of the Tender and Contract, Technical Bid and Financial Bid along with their enclosures.

The NIT, Tender Form, Instructions to Bidders, Terms of Reference, General and Special Conditions of the Tender and Contract, Technical Bid and Financial Bid along with their enclosures enclosed with the Tender Notice No.____ dated.____/____/20__ and also appended to this agreement will be deemed to be taken as part of this agreement and are binding on the parties executing this agreement.

- 3) Letter Nos. _____ dated _____ received from {bidder name} and letter Nos. _____ Dated _____ issued by the {tendering authority} and appended to this agreement shall also form part of this agreement.
- 4) The {tendering authority} do hereby agree that if the approved supplier shall duly supply the said articles in the manner aforesaid observe and keep the said terms and conditions, the {tendering authority} will through cheque/ DD pay or cause to be paid to the approved supplier at the time and the manner set forth in the said conditions, the amount payable for each and every consignment.

In case of extension in the delivery/Service and/or installation period with liquidated damages, the recovery shall be made on the basis of following percentages of value of stores which the tenderer has failed to supply and complete the work:-

No.	Condition	LD %
a.	Delay up to one fourth period of the prescribed delivery period, successful installation & completion of work	2.5 %
b.	Delay exceeding one fourth but not exceeding half of the prescribed delivery period, successful installation & completion of work	5.0 %
c.	Delay exceeding half but not exceeding three fourth of the prescribed delivery period, successful installation & completion of work	7.5 %
d.	Delay exceeding three fourth of the prescribed delivery period, successful installation & completion of work	10.0 %

Note: Fraction of a day in reckoning period of delay in supplies/FMS/ maintenance services shall be eliminated if it is less than half a day.

- (i) The maximum amount of agreed liquidated damages shall be 10%
- (ii) If the supplier requires an extension of time in completion of contractual supply on account of occurrence of any hindrances, he shall apply in writing to the authority which had placed the supply order, for the same immediately on occurrence of the hindrance but not after the stipulated date of completion of supply.
- (iii) Delivery period may be extended with or without liquidated damages if the delay in the supply of goods is on account of hindrances beyond the control of the tenderer.

The delivery/starting of services shall be effected and completed within the period as specified in the SLA/work order/tender.

Mode of payment will as per the Terms of payment of order/Tender no.....dated

comprehensive maintenance & facility management services shall be provided by vendor as mentioned in the bidding document/SLA.

All disputes arising out of this agreement and all questions relating to the interpretation of this agreement shall be decided by the {tendering authority} and the decision of the {tendering authority} shall be final.

In witness whereof the parties hereto have set their hands on the ____ day of ____ (Year).

Signature of the Approved
supplier/ bidder

Signature for and on behalf of
tendering authority

Designation:
Date:

Designation:
Date:

Witness No.1
Witness No.2

Witness No.1
Witness No.2

22. ANNEXURE-12: DECLARATION BY BIDDER

I/ We declare that I am/we are bonafide/ Manufacturers/ Whole Sellers/ Sole distributor/ Authorised dealer/ dealers/ sole selling/ Marketing agent for providing maintenance support of equipments for which I/ We have tendered.

If this declaration is found to be incorrect then without prejudice to any other action that may be taken, my/ our security may be forfeited in full and the tender, if any, to the extent accepted may be cancelled.

Signature of the Bidder

23. ANNEXURE-13: On Bidder's letter head

Technical Staff at Bhubaneswar (Indicative Format)

Reference:: **NIT No.** _____ dated ____ issued by OCAC

We M/s _____ having our registered office at

_____ have following qualified engineers located at Bhubaneswar:

Sr.	Name of the Engineer	Designation	Qualifications including Technical Qualification	Employee's PF No.	Working in Bhubaneswar since (date)

Signature of HR

Place:

Date:

24. Annexure-14: Indicative list of equipment/services with SLA Severity level to be monitored for up-time.

Sl	Item Description	Make & Model	Qty	Uptime calculated/ monitored through	SLA Severity level
	(1)	(2)	(3)	(4)	(5)
1	Chassis	HP, C7000	1	NMS	Severity Level-1
2	Blade Server	HP BL420C, Gen8	12	NMS	Severity Level-1
3	Storage (SAN 20 TB) with controller and SAN Switch	HP 2000	1	NMS	Severity Level-1
4	Edge Switch (L2)	HP A5120/A5500	13	Help Desk Log	Severity Level-2
5	ROUTER	CISCO - 2811	1	NMS	Severity Level-1
6	UPS 10KVA (Online)	Numeric	2	Help Desk Log	Severity Level-1
7	200 KVA DG Set with AMF Panel	Sterling	1	NMS	Severity Level-1
8	80 KVA ON-Line UPS with Batteries	Consul Neowatt	2	Help Desk Log	Severity Level-1
9	11 Ton Ductable Split AC	Carrier	2	Help Desk Log	Severity Level-2
10	4 Ton Tower AC	Carrier	3	Help Desk Log	Severity Level-1
11	2 Ton Split AC	O'general/Voltas	2	Help Desk Log	Severity Level-2
12	1.5 Ton Split AC	LG	2	Help Desk Log	Severity Level-2
13	2 Ton Window AC	Blue Star	1	Help Desk Log	Severity Level-2

25. Annexure-15: Technical Specification of 48 Port Layer3 Managed Switch

Make:

Model:

Sl. No	Specification	Complied (Yes/No)	Deviation (If Any)
1.	Switch architecture should be fixed form factor / modular.		
2.	Switch should have 48 x 1/10G/25G SFP+ Ports and populated with following transceivers: 24x1G RJ45 Base-T SFPs, 18 x 10G SFP+ (SMF) SFP+ & 4 x 40G QSFP (SMF module supports minimum 2 KM using 2 core fiber) (All QSFP/SFP+/SFP Transceiver modules should be from same Switch OEM)		
3.	Each Switch should be scalable to support minimum of 6x 40/100G QSFP ports as and when needed. Total No. of 40/100G QSFP Ports should be 6 per switch.		
4.	Switch should have internal redundant power supplies and fans from day1.		
5.	Switch should have wire-speed for all the packet sizes		
6.	Switch should have non-blocking and distributed forwarding on all the ports		
7.	Should have switching backplane of 1.4 Tbps and 1Bpps.		
8.	Should have Static Routing and VRRP from day 1. Should be scalable to support OSPF & BGP.		
9.	Should support spanning tree protocols standards namely STP (IEEE 802.1d) & MSTP (IEEE 802.1s).Switch should support FCoE.		
10.	Should support Hot Standby Router Protocol (HSRP) or equivalent protocol to create redundant topologies.		
11.	Should support Unidirectional Link Detection Protocol (UDLD) or equivalent protocol to allow unidirectional links failure detection.Switch must have Switched Port Analyzer (SPAN) with minimum 4 active session and ERSPAN on physical, Port channel, VLAN interfaces		
12.	Should support VTP or equivalent protocol for dynamic VLAN registration.		
13.	Distribution switch should support minimum 50K MAC addresses and Min 3900 active VLANs.		
14.	Should have 4K Multicast Routes in IPv4 & IPv6 from day 1.		
15.	The distribution Switch should have Open Shortest Path First (OSPF) and Border Gateway Protocol (BGP) Dynamic Routing Protocols from day1.		
16.	Switch should have full Layer 2 features and support spanning tree protocols standards like STP (IEEE 802.1d), MSTP(IEEE 802.1s) RSTP (IEEE 802.1w) etc. LACP/IEEE802.3ad, DCBX/ IEEE 802.1AB, ACL, QoS and IGMPv1/v2/v3, MLDv1/v2, ICMPv6 from day one.		
17.	The switch should be configured to perform MLD snooping and IGMP snooping simultaneously from day1		

26. Annexure-16: Technical Specification of 24 Port Layer2 Managed Fiber Switch

Make:

Model:

Sl. No	Specification	Complied (Yes/No)	Deviation (If Any)
1	Switch architecture should be Fixed Form factor and stackable		
2	Switch should have wire-speed, non-blocking and distributed forwarding on all the ports.		
3	Switch should have minimum of 24 x SFP plus 4 x 1/10G SFP+ uplink ports with 12Nos. SFP(SM) Transceiver, 12Nos. Copper (RJ45) Transceiver and 2 Nos. 10G SFP+ (SM) Transceiver module from day one. Note: - The modules asked in the RFP are required from Day 1. Should have minimum stacking bandwidth of 40 Gbps or more (In addition to above asked ports and bandwidth) and stacking up to 8 units in a single stack from day-1. (All QSFP/SFP+/SFP Transceiver modules should be from same Switch OEM)		
4	Switch should have wire speed of data switching capacity and forwarding throughput (Mpps). Switch should have minimum 8 GB RAM and 8 GB Flash.		
5	Switch should support min 16K MAC addresses and min 1000 active VLANs.		
6	Switch should have full Layer 2 features and support spanning tree protocols standards like STP (IEEE 802.1d), MSTP(IEEE 802.1s) RSTP (IEEE 802.1w) etc. LACP/IEEE802.3ad, ACL, QoS and IGMPv1/v2/v3 from day one.		
7	Switch should have Static Routing for IPv4 & IPv6 from day1. Switch must have functionality like static routing, RIP, PIM, OSPF, VRRP, PBR and QoS features from Day1		
8	Should support 1K IGMP Groups.		
9	Switch should support 802.1x authentication and accounting, IPv4 and IPv6 ACLs and Dynamic VLAN assignment and MACSec-256 on hardware		
10	Should support 8 queues per port and security protocols like RADIUS, TACACS/TACACS+, AAA & SSH.		
11	The OEM must feature in the Leaders segment of the Gartner Magic Quadrant for Data Center Enterprise Networking published for last 3 consecutive years		
12	Switch should be quoted with 5 years direct OEM TAC support and Next Business Day hardware shipment.		
13	Hardware of the switch should be EAL2 / EAL3 / NDPP certified from Day1		
14	Equipments should be minimum TEC certified or IPV6 Ready Logo Certified. IPV6 Routing & Management features should be active from Day-1.		
15	Comprehensive Onsite OEM Warranty for 5 Years		
16	All the required licenses for making the Switches fully functional should be bundled		
17	The Switch should support IEEE 802.3az standard		

27. Annexure-17 Technical Specification of 24 Port Layer2 Managed PoE Switch

Make:

Model:

Sl. No	Specification	Complied (Yes/No)	Deviation (If Any)
1.	Switch architecture should be Fixed Form factor/ stackable based		
2.	Switch should have wire-speed, non-blocking and distributed forwarding on all the ports.		
3.	Switch should have minimum of 24 x 10/100/1000 Mbps RJ45 plus 4 x 1/10G SFP+ uplink ports with 2 Nos. 10G SFP+ (SM) & 2 Nos. 1G SFP (SM) Transceiver module from day one. Note: - The modules asked in the RFP are required from Day 1 Should have minimum stacking bandwidth of 40 Gbps or more (In addition to above asked ports and bandwidth) and stacking up to 8 units in a single stack from day-1. (All QSFP/SFP+/SFP Transceiver modules should be from same Switch OEM)		
4.	Switch should have wire speed of data switching capacity and forwarding throughput (Mpps).Switch should have minimum 2 GB RAM and 2 GB Flash.		
5.	Switch should support min 16K MAC addresses and min 1000 active VLANs. Switch should support network segmentation that overcomes the limitation of VLANs using VXLAN and VRFs.		
6.	Switch should have full Layer 2 features and support spanning tree protocols standards like STP (IEEE 802.1d), MSTP(IEEE 802.1s) RSTP (IEEE 802.1w) etc. LACP/IEEE802.3ad, ACL, QoS and IGMPv1/v2/v3 from day one.		
7.	Switch should have Static Routing for IPv4 & IPv6 from day1.Switch should support 802.1x authentication and accounting, IPv4 and IPv6 ACLs and Dynamic VLAN assignment and MACSec-128 on hardware for all ports.		
8.	Should support 1K IGMP Groups.		
9.	All Ethernet Ports should be PoE & PoE+ enabled with 370W PoE Power budget.		
10.	Should support 8 queues per port and security protocols like RADIUS, TACACS/TACACS+, AAA & SSH. Always-on POE to that supplies POE power even during schedule reboot.		
11.	The OEM must feature in the Leaders segment of the Gartner Magic Quadrant for Data Center Enterprise Networking published for last 3 consecutive years		
12.	Switch should be quoted with 5 years direct OEM TAC support and Next Business Day hardware shipment.		
13.	Hardware of the switch should be EAL2 / EAL3 / NDPP certified from Day1		
14.	Equipment should be minimum TEC certified or IPV6 Ready Logo Certified. IPV6 Routing & Management features should be active from Day-1.		
15.	Comprehensive Onsite OEM Warranty for 5 Years		
16.	All the required licenses for making the Switches fully functional should be bundled		
17.	The Switch should support IEEE 802.3az standard		

28. Annexure-18 Technical Specification of Router

Make:

Model:

Sl. No	Specification	Complied (Yes/No)	Deviation (If Any)
1	Functional Requirements		
1.1	The router shall have 1:1 route processor/control processor redundancy, 1:1/1:N switch fabric and PSU redundancy.		
1.2	The Core router must be based on architecture which does hardware based forwarding and switching. The processing engine architecture must be multi processor based for enhanced performance.		
1.2	The router must support intelligent traffic management and QoS features to allocate network resources on application needs and QoS priorities.		
1.3	The Core router must have onboard support for intelligent traffic measurement and analysis. The router must support flow based traffic analysis feature.		
2	Hardware Architecture		
2.1	Backplane Architecture: The back plane architecture of the router must be modular and redundant. The back plane bandwidth must be 40Gbps from day 1 and scalable to 200 Gbps		
2.2	Number of Slots: The router must be chassis based with minimum 8 numbers of slots.		
2.3	The router must have redundant power supply module. The router must support 220V AC or -48V DC power supply module. There should not be any impact on the router performance in case of one power supply fails.		
2.4	The router processor architecture must be multi processor based and should support hardware accelerated, parallelized and programmable IP forwarding and switching.		
2.5	The router in the event of failure of any one processor should switch over to the redundant processor without dropping any traffic flow. There should not be any impact on the performance in the event of active routing engine failure and the failover time between primary and redundant routing engine should be less than 5ms. The failover time between the primary and redundant fabric should be less than 50ms		
2.6	The router must support on line hot insertion and removal of cards. Any insertion line card should not call for router rebooting nor should disrupt the remaining unicast and multicast traffic flowing in any way.		
3	Router Performance		
3.1	Should support up to 23 Mpps of Forwarding performance		
3.2	Routing Table Size: The router must support 4,000,000 IPv4 or 4,000,000 IPv6 routes entries in the routing table.		
3.3	Router should have at least 8 GB RAM from Day 1 which should be 100% scalable for future enhancement.		

3.4	The router should support uninterrupted forwarding operation for OSPF, IS-IS routing protocol to ensure high-availability during primary controller card failure.		
4	High availability and Reliability features		
4.1	The Router solution must be a carrier-grade Equipment supporting the following:		
4.2	Hitless interface protection, software rollback feature, graceful restart for OSPF, BGP, LDP, MP-BGP etc.		
4.3	The proposed switch should support modular OS and simply the changes through In-Service OS upgrade mechanism		
5	Physical Interface Support		
5.1	The router line card must support following interface as defined in the IEEE, ITU-T:		
5.2	Fast Ethernet - 10BaseT/100BaseT Ethernet as defined in IEEE 802.3 , Gigabit Ethernet - 1000BaseSX, 1000BaseLX, 1000BaseZX as defined in IEEE 802.3 , Framed/Un-Framed E1 as defined in ITU-T G.703/G.704. , Should support V.35 serial interfaces for Satellite Links for speeds of nx64Kbps up to 2Mbps., Framed /Un-Framed E3 as defined in ITU-T recommendation G.703 and physical layer using 75 Ohm coaxial cable with BNC connectors. , Packet over SONET/SDH as defined in ITU-T G.957 and G.958. Router must support STM-1, STM-4 and STM-16 packet over SDH (PoS) interfaces. Optical ports must support Automatic Protection Switching (APS) as defined in the GR-253 Core. Both bi-directional and unidirectional mode must be supported. , The router should support Channelized STM1 interfaces to aggregate multiple E1 / sub-rate E1 circuits coming in from remote locations. , 10 Gigabit Ethernet interface.		
5.3	The router must have 20 x 1G (RJ45) ports and 16 x SFP+ Routed Ports populated with 8 Nos. 1G (SM) transceiver module & 8 Nos. 10G (SM) transceiver module from day 1.		
6	Layer 3 Routing Protocols		
6.1	The router must support the IPv4 and IPv6 stack in hardware and software. It must support both IPv4 and IPv6 routing domains separately and concurrently. It must also support the ability to bridge between IPv4 and IPv6 routing domains.		
6.2	The device should be able to work as an underlay device for SDWAN infrastructure if needed in the future and should support The router must support following standards - OSPF [RFC2328], BGP[RFC1105], BGP label unicast[RFC3107], VRRP[RFC3768], LDP[RFC 5038], RSVP-TE[RFC 3209], L2VPN [RFC4664], Segment Routing -Traffic Engineering [RFC 8402]		
7	IPv6 Support		
7.1	Should support IPv6 static route, OSPFv3, IS-IS support for IPv6, Multiprotocol BGP extensions for IPv6, IPv6 route redistribution.		
7.2	The router should support for IPv6 Multicast.		
7.3	Should support IPv6 Quality of Service		
8	Quality of Service		

8.1	The router should support at least 3-level hierarchical QoS to facilitate the end-user to deploy per-port, per-application, per-user QoS. The router should have at least 32,000 hardware queues to facilitate such deployment.		
8.2	The router must be capable of doing Layer 3 classification and setting ToS/Diffserv bits on incoming traffic using configured guaranteed rates and traffic characteristics. The marking of the ToS/Diffserv bits should be non-performance impacting.		
8.3	The router must provide facility to prioritize the SNMP traffic.		
8.4	The router switching fabric must be non-blocking even during a failure and must not require additional queuing and scheduling inside the box.		
8.5	The router must support Resource Reservation Protocol (RSVP).		
9	Multicast Support		
9.1	The router must support Protocol Independent Multicast Dense Mode (PIM-DM) and Sparse Mode (PIM-SM).		
9.2	The router must support IGMPv2 and IGMPv3.		
9.3	The router must support Multicast Listener Discovery (MLD) v2 and MLD for IPv6 as defined in RFC 2710.		
10	MPLS Feature		
10.1	MPLS LDP, MPLS L3VPN, MPLS L2VPN (EoMPLS), MPLS TE, FRR Link & Node Protection, LDP, MPLS Static label, MPLS VRF-aware static labels, LDP - Session Protection, LDP - Graceful Restart, MPLS L2VPN Pseudo wire Redundancy with TE/FRR protection, Support for QinQ to Ethernet/VLAN Ethernet/IP interworking, MPLS VPN - Carrier Supporting Carrier (CsC), CsC with IPv4 BGP label distribution (RFC 3107),		
10.2	MPLS OAM - LSP Ping/Trace route for MPLS core		
10.3	Multicast VPN (mVPN)		
11	Security Feature		
11.1	CPU Rate Limiters for Denial of Service (DoS) attacks.		
11.2	Should support Access Control Lists at layer 2-4 in hardware. The access list parameters may be any combination of source and destination IP or subnet, protocol type (TCP/UDP/IP etc), source and destination port. There should not be any impact on the router performance upon enabling Access Lists.		
11.3	The router must support unicast Reverse Path Forwarding (uRPF) feature. The enablement of uRPF feature should not degrade the performance of the router.		
11.4	The router must support MD5 authentication for RIP, OSPF, IS-IS and BGP.		
11.5	Should support Controlled SNMP access through the use of SNMP V3 with authentication.		
11.6	Implement control configuration on the router to ensure SNMP access only to the SNMP manager or the NMS workstation through access lists.		

11.7	The router should support multiple levels of access or role based access mechanisms.		
11.8	Should support CPU Rate limiting and control plane policing feature to make sure the router is always available for management.		
11.9	The proposed router should have embedded support for firewall and NAT performance of 80 Gbps and 25 Gbps of encryption from day one, which can be activated by either a software/license upgrade anytime in future.		
11.10	The proposed router should have embedded support for 8000 Ipsec tunnels from day one, which can be activated by either a software/license upgrade anytime in future. It should also support at least 6000 VRF instances from Day 1		
12	Router Management Feature		
12.1	Console Port: It should be possible to manage a particular system locally through console port or through a telnet session over LAN/WAN.		
12.2	The router must support management through SNMPv1, v2 and v3		
12.3	The router must support RADIUS and TACACS. The router must role based access to the system for configuration and monitoring.		
12.4	The router must support Network Time Protocol (NTP) as per RFC 1305.		
12.5	The router must support Telnet and Secure Socket Shell (SSH) access to the console. The router must support secured access for configuration backup and OS loading.		
13	Industry Standards & Certifications		
13.1	The Router & the operating system should be atleast EAL3 or more certified under the Common Criteria Evaluation Program		
14	OEM Eligibility		
14.1	OEM should be present in the Leaders segment of the latest Gartner Magic Quadrant for Data Center Enterprise Networking.		
14.2	OEM should have India Support Centre for last 5 years		

29. Annexure-19: Technical Specification of Service Desk Manager Software

Make:

Model:

Sl. No	Specification	Complied (Yes/No)	Deviation (If Any)
1	Self-service		
2	User experience		
3	Workflow and automation		
4	Built-in content and best practices		
5	Incident and problem management		
6	Service catalog and request management		
7	Service level management		
8	Change management		
9	Asset lifecycle management		
10	Software asset management		
11	Ad-hoc and pre-packaged, advanced analytics and dashboards		
12	Support automation		
13	Integration capabilities		
14	Collaboration and knowledge sharing		
15	Mobile accessibility and performance		
16	Deployment model (true SaaS, vendor hosted instance, or on premise)		
17	Multi-tenancy support		
18	IPv4, IPv6 Management		
19	Executives need automated compliance management and reporting, data collection and reconciliation capabilities.		
20	On an ongoing basis, leadership needs analytical capabilities that make it fast and efficient to discover potential compliance risks.		
21	Managers need to be able to model and track rights owned and monitor various contract events, such as automatic renewal dates		

30. Annexure-20: Technical Specification of AAA Server Software

Make:

Model:

Sl. No	Specification	Complied (Yes/No)	Deviation (If Any)
1	device administration in IPv4 and IPv6 networks, with full auditing and reporting capabilities as required for standards compliance		
2	attribute-guided and rules-based policy model that flexibly addresses complex policy needs		
3	web-based GUI with intuitive navigation and workflow accessible from both IPv4 and IPv6 clients		
4	Integrated advanced monitoring, reporting, and troubleshooting capabilities for excellent control and visibility		
5	Integration with external identity and policy databases, including Microsoft Active Directory and Lightweight Directory Access Protocol (LDAP)-accessible databases, simplifying policy configuration and maintenance		
6	A distributed deployment model that supports large-scale deployments and provides a highly available solution		
7	supports rules-based policy model		
8	Two distinct AAA protocols are supported: RADIUS for network access control and TACACS+ for network device access control. Secure Access Control System is a single system for enforcing access policy across the network as well as network device configuration and change management as required for standards compliance such as Payment Card Industry (PCI) compliance. It supports AAA features for TACACS+-based device administration on both IPv4 and IPv6 networks.		
9	wide range of authentication protocols are supported, including PAP, MS-CHAP, Extensible Authentication Protocol (EAP)-MD5, Protected EAP (PEAP), EAP-Flexible Authentication through Secure Tunneling (FAST), EAPTransport Layer Security (TLS), and PEAP-TLS. The solution also supports TACACS+ authentication with CHAP and MSCHAP protocols and PAP-based password change when using TACACS+ and EAP-GTC with LDAP servers.		
10	The rules-based, attribute-guided policy model provides greatly increased power and flexibility for access control policies, which can include authentication protocol requirements, device restrictions, time-of-day restrictions, and other access requirements. Secure Access Control System can apply downloadable access control lists (dACLs), VLAN assignments, and other authorization parameters. Furthermore, it allows a comparison between the values of any two attributes that are available to Secure Access Control System to be used in identity, group-mapping, and authorization policy rules.		
11	The lightweight, web-based GUI is easy to use. An efficient, incremental replication scheme quickly propagates changes from primary to secondary systems, providing centralized control over distributed deployments. Software upgrades are also managed through the GUI and can be distributed by the primary system to secondary instances.		
12	Secure Access Control System 5.8 supports up to 22 instances in a single cluster: 1 primary and 21 secondary. One of these instances can function as a hot (active) standby system, which can be manually promoted to the primary system in the event that the original primary system fails		
13	A programmatic interface is used for create, read, update, and delete operations on users and identity groups, network devices, and hosts (endpoints) within the internal database. The list of administrators and their roles can be exported through the same web services API.		
14	An integrated monitoring, reporting, and troubleshooting component is accessible through the web-based GUI. This tool provides excellent v		

	visibility into configured policies and authentication and authorization activities across the network. Logs are viewable and exportable for use in other systems as well.		
15	The solution can function as a RADIUS or TACACS+ proxy for an external AAA server. It forwards incoming AAA requests from a network access device (NAD) to the external server and forwards responses from that server back to the NAD initiating such requests. It can also add and overwrite RADIUS attributes in proxied AAA requests sent to the external AAA server as well as those in the responses sent back from the external AAA server.		

31. Annexure-21: Technical Specification of 3 KVA Online UPS

3 KVA Online UPS with 30 Minute Backup

Make:				
Model:				
Sl. No.	Parameter	Description of Requirement	Complied (Yes/No)	Deviation if Any
1.	Rating	3 KVA/Power factor minimum 80% IGBT Based On-Line UPS		
2.	AC Input Voltage Range	AC Input Voltage Range: 160-280 VAC: Single Phase @ 100% Load		
3.	Surge Protection Device	UPS should have inbuilt 1 Phase, Type 2 surge protection device (40kA) according to EN 61643-11. It should provide Lightning Protection (according to IEC 1312-1 and EN 62305) through equi-potential bonding and eliminate transient overvoltage, originating during atmospheric discharges or switching processes. (Datasheet of SPD should be provided)		
4.	Input Frequency	50Hz \pm 10% (Suitable for Generators)		
5.	AC Output Voltage	230 V AC, 1-phase \pm 1% (Sine Wave Output)		
6.	Output Frequency	50 Hz \pm 0.05 Hz		
7.	Overload Capacity	125% for 10 minutes, 150% for 60 seconds		
8.	Harmonic Distortion	< 2% (for linear loads) & <5% (for non linear loads)		
9.	Crest Factor	3:1 or higher		
10.	Indications & Audible Alarms	Mains On, Inverter On, Overload, Load On Mains, Load On Battery, Battery Low		
11.	Digital Metering	LCD display for measurement of AC Voltage, Battery voltage, Battery Current, Load Current, Output frequency.		
Environmental				
12.	Operating Temperature:	0 Degree C to 45 Degree C		
13.	Relative humidity	5% to 95%, non-condensing		
14.	Audible Noise	<60 dB		
15.	Battery Back-up & Other Details	The system must be capable of providing requisite battery back-up time of 30 minutes using 12V, VRLA Sealed Maintenance Free Batteries.		
16.	Certification	CE Certification(confirming to IEC 62040-1 & IEC 62040-2 Standards) ISO 9001, ISO 14001, OHSAS 18001 certified. RoHS Compliance		
17.	Warranty	3 years onsite OEM warranty including battery		

32. Annexure-22: Technical Specification of 1 KVA Line Interactive UPS

1 KVA Offline UPS with Minimum 15 Min. Backup

Make:

Model:

Sl. No.	Parameter	Description of Requirement	Complied (Yes/No)	Deviation if Any
Input				
1.	Input Voltage	160 - 280V		
2.	Nominal Frequency	50 - 60 Hz		
3.	Input Connection	Indian / Detachable IEC power cord (1.8 m and 1.2 m cords included)		
Output				
4.	Output Capacity	1000 VA / 600 Watts		
5.	Output Volt., Freq. (on utility)	230V, 50/60Hz (nominal)		
6.	Output Volt., Freq. (on battery)	230V \pm 8%, 50 or 60Hz \pm 3%		
7.	Output Connections	Minimum 4 IEC 320 outlets: 3 battery & 1 surge protection		
8.	Waveform Type	Sine Wave		
Other				
9.	AC Power Surge Protection	All outlets		
10.	Battery Type	The UPS must be capable of providing requisite battery back-up time of minimum 15 minutes using 12V, Sealed Maintenance Free Batteries.		
11.	Alarms	Visual (LEDs) and audible alarms		
12.	Certification/Approvals	CE, RoHS		
13.	Warranty	3 Years Comprehensive Onsite Warranty including Battery.		

Asset List of Secretariat LAN Infrastructure

Access Switches				
SL NO.	Brand	Model	Serial/Service tag	Warranty End
ARUBA SWITCH				
1	Aruba	2930F	CN8BHKW47K	May 19, 2024
2	Aruba	2930F	CN8BHKW4B2	May 19, 2024
3	Aruba	2930F	CN8BHKW436	May 19, 2024
4	Aruba	2930F	CN8BHKW4LN	May 19, 2024
5	Aruba	2930F	CN8BHKW4D5	May 19, 2024
6	Aruba	2930F	CN8BHKW4GS	May 19, 2024
7	Aruba	2930F	CN8BHKW4TW	May 19, 2024
8	Aruba	2930F	CN8BHKW4CC	May 19, 2024
9	Aruba	2930F	CN8BHKW465	May 19, 2024
10	Aruba	2930F	CN8BHKW4NV	May 19, 2024
11	Aruba	2930F	CN8BHKW48L	May 19, 2024
12	Aruba	2930F	CN8BHKW48F	May 19, 2024
13	Aruba	2930F	CN8BHKW46K	May 19, 2024
14	Aruba	2930F	CN8BHKW4HR	May 19, 2024
15	Aruba	2930F	CN8BHKW4MK	May 19, 2024
16	Aruba	2930F	CN8BHKW435	May 19, 2024
17	Aruba	2930F	CN8BHKW4JN	May 19, 2024
18	Aruba	2930F	CN8BHKW4P4	May 19, 2024
19	Aruba	2930F	CN8BHKW497	May 19, 2024
20	Aruba	2930F	CN8BHKW4SK	May 19, 2024
21	Aruba	2930F	CN8BHKW46Q	May 19, 2024
22	Aruba	2930F	CN8BHKW469	May 19, 2024
23	Aruba	2930F	CN8BHKW442	May 19, 2024
24	Aruba	2930F	CN8BHKW4CZ	May 19, 2024
25	Aruba	2930F	CN8BHKW4FC	May 19, 2024
26	Aruba	2930F	CN8BHKW4DT	May 19, 2024
27	Aruba	2930F	CN8BHKW2B9	May 19, 2024
28	Aruba	2930F	CN8BHKW4F6	May 19, 2024
29	Aruba	2930F	CN8BHKW4FP	May 19, 2024
30	Aruba	2930F	CN8BHKW4N9	May 19, 2024
31	Aruba	2930F	CN8BHKW4T9	May 19, 2024
32	Aruba	2930F	CN8BHKW4T4	May 19, 2024
33	Aruba	2930F	CN8BHKW44B	May 19, 2024
34	Aruba	2930F	CN8BHKW4RZ	May 19, 2024
35	Aruba	2930F	CN8BHKW4X6	May 19, 2024
36	Aruba	2930F	CN8BHKW46S	May 19, 2024

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37	Aruba	2930F	CN8BHKW47T	May 19, 2024
38	Aruba	2930F	CN8BHKW47R	May 19, 2024
39	Aruba	2930F	CN8BHKW4WB	May 19, 2024
40	Aruba	2930F	CN8BHKW4VT	May 19, 2024
41	Aruba	2930F	CN8BHKW4M9	May 19, 2024
42	Aruba	2930F	CN8BHKW4DB	May 19, 2024
43	Aruba	2930F	CN8BHKW45M	May 19, 2024
44	Aruba	2930F	CN8BHKW4W3	May 19, 2024
45	Aruba	2930F	CN8BHKW4MW	May 19, 2024
46	Aruba	2930F	CN8BHKW4FF	May 19, 2024
47	Aruba	2930F	CN8BHKW48Q	May 19, 2024
48	Aruba	2930F	CN8BHKW4BS	May 19, 2024
49	Aruba	2930F	CN8BHKW4Q1	May 19, 2024
50	Aruba	2930F	CN8BHKW4X4	May 19, 2024
51	Aruba	2930F	CN8BHKW4BT	May 19, 2024
52	Aruba	2930F	CN8BHKW4QM	May 19, 2024
53	Aruba	2930F	CN8BHKW44S	May 19, 2024
54	Aruba	2930F	CN8BHKW4J3	May 19, 2024
55	Aruba	2930F	CN8BHKW42X	May 19, 2024
56	Aruba	2930F	CN8BHKW44X	May 19, 2024
57	ARUBA	ARUBA2930F	CN8BHKW4QS	May 19, 2024
58	ARUBA	ARUBA2930F	CN8AHKX4S4	May 19, 2024
59	Aruba	Aruba 2930F-24P	CN8BHKW4QS	May 19, 2024
60	Aruba	Aruba 2930F-24P	CN8BHKW4V2	May 19, 2024
61	Aruba	Aruba 2930F-24P	CN8BHKW4KV	May 19, 2024
62	Aruba	Aruba 2930F-24P	CN8BHKW4SQ	May 19, 2024
63	Aruba	Aruba 2930F-48P	CN8BHKW46Z	May 19, 2024
64	Aruba	Aruba 2930F-48P	CN8AHKX44Q	May 19, 2024
65	Aruba	Aruba 2930F-48P	CN8AHKX3R3	May 19, 2024
66	Aruba	Aruba 2930F-48P	CN8AHKX2F4	May 19, 2024
67	Aruba	Aruba 2930F-48P	CN8AHKX4C5	May 19, 2024
68	Aruba	Aruba 2930F-24P	CN8AHKX3ZJ	May 19, 2024
69	Aruba	Aruba 2930F-24P	CN8BHKW4FN	May 19, 2024
70	Aruba	Aruba 2930F-24P	CN8BHKW4M5	May 19, 2024
71	Aruba	Aruba 2930F-24P	CN8BHKW42M	May 19, 2024
72	Aruba	Aruba 2930F-24P	CN8BHKW4KR	May 19, 2024
73	Aruba	Aruba 2930F-24P	CN8BHKW4F7	May 19, 2024
74	Aruba	Aruba 2930F-48P	CN8AHKX40V	May 19, 2024
75	Aruba	Aruba 2930F-24P	CN8BHKW4LV	May 19, 2024
76	Aruba	Aruba 2930F-24P	CN8BHKW45S	May 19, 2024
	CISCO Switch			
77	CISCO	WS-C2960x-24pd-l	FOC2203T10Y	01-Mar-23
78	CISCO	WS-C2960x-24pd-l	FOC2203T0XK	01-Mar-23
79	CISCO	WS-C2960x-24pd-l	FOC2203T10K	01-Mar-23

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80	CISCO	WS-C2960x-24pd-l	FOC2203T12U	01-Mar-23
81	CISCO	WS-C2960x-48lpd-l	FCW2203A0FP	01-Mar-23
82	CISCO	WS-C2960x-24pd-l	FOC2203T115	01-Mar-23
83	CISCO	WS-C2960x-24pd-l	FOC2203T119	01-Mar-23
84	CISCO	WS-C2960x-24pd-l	FOC2203T0Y3	01-Mar-23
85	CISCO	WS-C2960x-24pd-l	FOC2203T0ZE	01-Mar-23
86	CISCO	WS-C2960x-24pd-l	FOC2203T0YL	01-Mar-23
87	CISCO	WS-C2960x-24pd-l	FOC2203T0TX	01-Mar-23
88	CISCO	WS-C2960x-24pd-l	FOC2203T12Y	01-Mar-23
89	CISCO	WS-C2960x-24pd-l	FOC2203T0W3	01-Mar-23
90	CISCO	WS-C2960x-24pd-l	FOC2203T0Y5	01-Mar-23
91	CISCO	WS-C2960x-24pd-l	FOC2203T10X	01-Mar-23
92	CISCO	WS-C2960x-24pd-l	FOC2203T0VT	01-Mar-23
93	CISCO	WS-C2960x-24pd-l	FOC2201293S	01-Mar-23
94	CISCO	WS-C2960x-24pd-l	FOC2203T0Y9	01-Mar-23
95	CISCO	WS-C2960x-24pd-l	FOC2203T101	01-Mar-23
96	CISCO	WS-C2960x-48lpd-l	FCW2203A0GD	01-Mar-23
97	CISCO	WS-C2960x-24pd-l	FOC2203T10M	01-Mar-23
98	CISCO	WS-C2960x-24pd-l	FOC2203T0Z1	01-Mar-23
99	CISCO	WS-C2960x-24pd-l	FOC2203T0VN	01-Mar-23
100	CISCO	WS-C2960x-24pd-l	FOC2203T0Y1	01-Mar-23
101	CISCO	WS-C2960x-24pd-l	FOC2203T113	01-Mar-23
102	CISCO	WS-C2960x-24pd-l	FOC2203T0Y2	01-Mar-23
103	CISCO	WS-C2960x-24pd-l	FOC2203T10B	01-Mar-23
104	CISCO	WS-C2960x-24pd-l	FOC2203T0YE	01-Mar-23
105	CISCO	WS-C2960x-24pd-l	FOC2203T0VX	01-Mar-23
106	CISCO	WS-C2960x-24pd-l	FOC2203T0Y7	01-Mar-23
107	CISCO	WS-C2960x-24pd-l	FOC2203T0YM	01-Mar-23
108	CISCO	WS-C2960x-24pd-l	FOC2203T10T	01-Mar-23
109	CISCO	WS-C2960x-24pd-l	FOC2203T0Y8	01-Mar-23
110	CISCO	WS-C2960x-24pd-l	FOC2203T0VP	01-Mar-23
111	CISCO	WS-C2960x-24pd-l	FOC2203T12N	01-Mar-23
112	CISCO	WS-C2960x-24pd-l	FOC2203T0VS	01-Mar-23
113	CISCO	WS-C2960x-24pd-l	FOC2203T10U	01-Mar-23
114	CISCO	WS-C2960x-24pd-l	FOC2203T0VL	01-Mar-23
115	CISCO	WS-C2960x-24pd-l	FCW2203B16N	01-Mar-23
116	CISCO	WS-C2960x-48lpd-l	FCW2203A0FN	01-Mar-23
117	CISCO	WS-C2960x-24pd-l	FOC2203T0YG	01-Mar-23
118	CISCO	WS-C2960x-48lpd-l	FCW2203A0G4	01-Mar-23
119	CISCO	WS-C2960x-24pd-l	FOC2203T0XV	01-Mar-23
120	CISCO	CISCO-C2960X-24PDL	FOC2203T0YB	01-Mar-23
121	CISCO	CISCO-C2960X-48PDL	FCW2203A0GC	01-Mar-23
122	CISCO	CISCO-C2960X-48PDL	FCW2203A0FR	01-Mar-23
123	CISCO	CISCO-C2960X-24PDL	FCW2330A10J	01-Mar-23

HP Switch				
124	HP	A5120 EI	CN3BBYV08J	Mar 21, 2113
125	HP	A5120 EI	CN31BYT149	Mar 21, 2113
126	HP	A5120 EI	CN31BYT0W5	Mar 21, 2113
127	HP	A5120 EI	CN31BYT0RY	Mar 21, 2113
128	HP	A5120 EI	CN31BYTONG	Mar 21, 2113
129	HP	A5500	CN30B9R00R	Dec 22, 2112
130	HP	A5120 EI	CN31BYT0MS	Jul 4, 2112
131	HP	A5120 EI	CN31BYT16H	Mar 21, 2113
132	HP	A5120 EI	CN31BYT146	Mar 21, 2113
133	HP	HP 1620-24G	CN53GNRON8	
CISCO Switch				
134	CISCO	WS-C2960X-24PD-L	FOC2336V1Q2	October 10, 2026
135	CISCO	WS-C2960X-24PD-L	FOC2336V1NK	October 10, 2026
136	CISCO	WS-C2960X-24PD-L	FOC2336V1N8	October 10, 2026
137	CISCO	WS-C2960X-24PD-L	FOC2336V1PY	October 10, 2026
138	CISCO	WS-C2960X-24PD-L	FOC2336V1L2	October 10, 2026
139	CISCO	WS-C2960X-24PD-L	FOC2336V1BQ	October 10, 2026
140	CISCO	WS-C2960X-24PD-L	FOC2336V1AH	October 10, 2026
141	CISCO	WS-C2960X-24PD-L	FOC2336V1B8	October 10, 2026
142	CISCO	WS-C2960X-24PD-L	FOC2336V1NT	October 10, 2026
143	CISCO	WS-C2960X-24PD-L	FOC2336V19E	October 10, 2026
144	CISCO	WS-C2960X-24PD-L	FOC2336V1BK	October 10, 2026
145	CISCO	WS-C2960X-24PD-L	FOC2336V1LF	October 10, 2026
146	CISCO	WS-C2960X-24PD-L	FOC2336V1CQ	October 10, 2026
147	CISCO	WS-C2960X-24PD-L	FOC2336V1QJ	October 10, 2026
148	CISCO	WS-C2960X-24PD-L	FOC2336V1MN	October 10, 2026
149	CISCO	WS-C2960X-24PD-L	FOC2336V1BJ	October 10, 2026
150	CISCO	WS-C2960X-24PD-L	FOC2336V18X	October 10, 2026
151	CISCO	WS-C2960X-24PD-L	FOC2336V1A6	October 10, 2026
152	CISCO	WS-C2960X-24PD-L	FOC2336V1QP	October 10, 2026
153	CISCO	WS-C2960X-24PD-L	FOC2336V19X	October 10, 2026
154	CISCO	WS-C2960X-24PD-L	FOC2336V1AY	October 10, 2026
155	CISCO	WS-C2960X-24PD-L	FOC2336V1B5	October 10, 2026
156	CISCO	WS-C2960X-24PD-L	FOC2336V1PN	October 10, 2026
157	CISCO	WS-C2960X-24PD-L	FOC2336V1P4	October 10, 2026
158	CISCO	WS-C2960X-24PD-L	FOC2336V1HZ	October 10, 2026
159	CISCO	WS-C2960X-24PD-L	FOC2336V1LH	October 10, 2026
160	CISCO	WS-C2960X-24PD-L	FOC2336V1QC	October 10, 2026
161	CISCO	WS-C2960X-24PD-L	FOC2336V1MR	October 10, 2026
162	CISCO	WS-C2960X-24PD-L	FOC2336V1BU	October 10, 2026
163	CISCO	WS-C2960X-24PD-L	FOC2336V1NJ	October 10, 2026
164	CISCO	WS-C2960X-24PD-L	FOC2336V1A4	October 10, 2026
165	CISCO	WS-C2960X-24PD-L	FOC2336V1BE	October 10, 2026

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166	CISCO	WS-C2960X-24PD-L	FOC2336V1AV	October 10, 2026
167	CISCO	WS-C2960X-24PD-L	FOC2336V1A1	October 10, 2026
168	CISCO	WS-C2960X-24PD-L	FOC2336V18U	October 10, 2026
169	CISCO	WS-C2960X-24PD-L	FOC2336V1N7	October 10, 2026
170	CISCO	WS-C2960X-24PD-L	FOC2336V1BD	October 10, 2026
171	CISCO	WS-C2960X-24PD-L	FOC2336V1KY	October 10, 2026
172	CISCO	WS-C2960X-24PD-L	FOC2336V1BT	October 10, 2026
173	CISCO	WS-C2960X-24PD-L	FOC2336V1AL	October 10, 2026
174	CISCO	WS-C2960X-24PD-L	FOC2336V1K2	October 10, 2026
175	CISCO	WS-C2960X-24PD-L	FOC2336V1AD	October 10, 2026
176	CISCO	WS-C2960X-24PD-L	FOC2336V1N4	October 10, 2026
177	CISCO	WS-C2960X-24PD-L	FOC2336V1QK	October 10, 2026
178	CISCO	WS-C2960X-24PD-L	FOC2336V1A7	October 10, 2026
179	CISCO	WS-C2960X-24PD-L	FOC2336V1AZ	October 10, 2026
180	CISCO	WS-C2960X-24PD-L	FOC2336V1BA	October 10, 2026
181	CISCO	WS-C2960X-24PD-L	FOC2336V1N6	October 10, 2026
182	CISCO	WS-C2960X-24PD-L	FOC2336V1B6	October 10, 2026
183	CISCO	WS-C2960X-24PD-L	FOC2336V19Z	October 10, 2026
184	CISCO	WS-C2960X-24PD-L	FOC2336V1B9	October 10, 2026
185	CISCO	WS-C2960X-24PD-L	FOC2336V1C7	October 10, 2026
186	CISCO	WS-C2960X-24PD-L	FOC2336V1BL	October 10, 2026
187	CISCO	WS-C2960X-24PD-L	FOC2336V1BB	October 10, 2026
188	CISCO	WS-C2960X-24PD-L	FOC2336V1NL	October 10, 2026
189	CISCO	WS-C2960X-24PD-L	FOC2336V19W	October 10, 2026
190	CISCO	WS-C2960X-24PD-L	FCW2332A31L	October 10, 2026
191	CISCO	WS-C2960X-24PD-L	FOC2336V1N2	October 10, 2026
192	CISCO	WS-C2960X-24PD-L	FOC2336V1L6	October 10, 2026
193	CISCO	WS-C2960X-24PD-L	FOC2336V1QQ	October 10, 2026
194	CISCO	WS-C2960X-24PD-L	FOC2336V18Y	October 10, 2026
195	CISCO	WS-C2960X-24PD-L	FOC2336V1BM	October 10, 2026
196	CISCO	WS-C2960X-24PD-L	FCW2327A5DB	October 10, 2026
197	CISCO	WS-C2960X-24PD-L	FOC2336V1NB	October 10, 2026
198	CISCO	WS-C2960X-24PD-L	FOC2336V1L3	October 10, 2026
199	CISCO	WS-C2960X-24PD-L	FOC2336V1ND	October 10, 2026
200	CISCO	WS-C2960X-24PD-L	FOC2336V1PU	October 10, 2026
201	CISCO	WS-C2960X-24PD-L	FOC2336V1J2	October 10, 2026
202	CISCO	WS-C2960X-24PD-L	FOC2336V198	October 10, 2026
203	CISCO	WS-C2960X-24PD-L	FOC2336V1B4	October 10, 2026
204	CISCO	WS-C2960X-24PD-L	FOC2336V1L4	October 10, 2026
205	CISCO	WS-C2960X-24PD-L	FOC2334T1BR	October 10, 2026
206	CISCO	WS-C2960X-24PD-L	FOC2336V1NA	October 10, 2026
207	CISCO	WS-C2960X-24PD-L	FOC2336V1EP	October 10, 2026
208	CISCO	WS-C2960X-24PD-L	FOC2336V1ME	October 10, 2026
209	CISCO	WS-C2960X-24PD-L	FCW2332A31Y	October 10, 2026

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210	CISCO	WS-C2960X-24PD-L	FOC2336V1MW	October 10, 2026
211	CISCO	WS-C2960X-24PD-L	FOC2336V1AN	October 10, 2026
212	CISCO	WS-C2960X-24PD-L	FOC2336V1BF	October 10, 2026
213	CISCO	WS-C2960X-24PD-L	FOC2336V1J9	October 10, 2026
214	CISCO	WS-C2960X-24PD-L	FOC2336V1QM	October 10, 2026
215	CISCO	WS-C2960X-24PD-L	FOC2336V1QF	October 10, 2026
216	CISCO	WS-C2960X-24PD-L	FOC2336V1CB	October 10, 2026
217	CISCO	WS-C2960X-24PD-L	FOC2336V1B3	October 10, 2026
218	CISCO	WS-C2960X-24PD-L	FOC2336V1AC	October 10, 2026
219	CISCO	WS-C2960X-24PD-L	FOC2336V1AB	October 10, 2026
220	CISCO	WS-C2960X-24PD-L	FOC2336V1AA	October 10, 2026
221	CISCO	WS-C2960X-24PD-L	FOC2336V1PP	October 10, 2026
222	CISCO	WS-C2960X-24PD-L	FOC2336V1N0	October 10, 2026
223	CISCO	WS-C2960X-24PD-L	FOC2336V1AM	October 10, 2026
224	CISCO	WS-C2960X-24PD-L	FOC2336V1AP	October 10, 2026
225	CISCO	WS-C2960X-24PD-L	FOC2336V1JD	October 10, 2026
226	CISCO	WS-C2960X-24PD-L	FOC2336V1Q0	October 10, 2026
227	CISCO	WS-C2960X-24PD-L	FOC2336V1CH	October 10, 2026
228	CISCO	WS-C2960X-24PD-L	FOC2336V1LP	October 10, 2026
229	CISCO	WS-C2960X-24PD-L	FOC2336V1NC	October 10, 2026
230	CISCO	WS-C2960X-24PD-L	FOC2336V1N3	October 10, 2026
231	CISCO	WS-C2960X-24PD-L	FOC2336V1NG	October 10, 2026
232	CISCO	WS-C2960X-24PD-L	FOC2336V1QU	October 10, 2026
233	CISCO	WS-C2960X-24PD-L	FOC2336V1CM	October 10, 2026
234	CISCO	WS-C2960X-24PD-L	FOC2336V1AE	October 10, 2026
235	CISCO	WS-C2960X-24PD-L	FOC2336V1AS	October 10, 2026
236	CISCO	WS-C2960X-24PD-L	FOC2336V1DL	October 10, 2026
237	CISCO	WS-C2960X-24PD-L	FOC2336V1AJ	October 10, 2026
238	CISCO	WS-C2960X-24PD-L	FOC2336V1MV	October 10, 2026
239	CISCO	WS-C2960X-24PD-L	FOC2336V1AX	October 10, 2026
240	CISCO	WS-C2960X-24PD-L	FOC2336V1BC	October 10, 2026
241	CISCO	WS-C2960X-24PD-L	FOC2336V1BH	October 10, 2026
242	CISCO	WS-C2960X-24PD-L	FOC2336V1A8	October 10, 2026
243	CISCO	WS-C2960X-24PD-L	FOC2336V1K7	October 10, 2026
244	CISCO	WS-C2960X-24PD-L	FOC2336V191	October 10, 2026
245	CISCO	WS-C2960X-24PD-L	FOC2336V18M	October 10, 2026
246	CISCO	WS-C2960X-24PD-L	FOC2336V1AU	October 10, 2026
247	CISCO	WS-C2960X-24PD-L	FOC2336V19Q	October 10, 2026
248	CISCO	WS-C2960X-24PD-L	FOC2336V1N1	October 10, 2026
249	CISCO	WS-C2960X-24PD-L	FOC2336V1BV	October 10, 2026
250	CISCO	WS-C2960X-48PD-L	FOC2336T2VT	October 10, 2026
LINKSYS SWITCH				
252	CISCO	SGE2000P	DNI1346B41A	Not Avialable
253	CISCO	SGE2000P	7N500J100270	Not Avialable

255	CISCO	SGE2000P	DNI1346B42H	Not Avialable
256	CISCO	SGE2000P	DNI1424B41W	Not Avialable
257	CISCO	SGE2000P	7N500J100261	Not Avialable
258	CISCO	SGE2000P	7N500J100128	Not Avialable
259	CISCO	SGE2000P	7N500J100305	Not Avialable
262	CISCO	SGE2000P	DNI1346B41Z	Not Avialable
263	CISCO	SGE2000P	7N500J100256	Not Avialable
264	CISCO	SGE2000P	DNI1346B40U	Not Avialable
265	CISCO	SGE2000P	DNI1346B42L	Not Avialable
266	CISCO	SGE2000P	DNI1339B40K	Not Avialable
267	CISCO	SGE2000P	7N500J100358	Not Avialable
268	CISCO	SGE2000P	7N500J100274	Not Avialable
269	CISCO	SGE2000P	7N500J100266	Not Avialable
271	CISCO	SGE2000P	DNI1346B423	Not Avialable
273	CISCO	SGE2000P	DNI1632B424	Not Avialable
274	CISCO	SGE2000P	7N500J100249	Not Avialable
275	CISCO	SGE2000P	7N500J100216	Not Avialable
276	CISCO	SGE2000P	7N500J300066	Not Avialable
278	CISCO	SGE2000P	DNI1333B40A	Not Avialable
279	CISCO	SGE2000P	DNI1441B42K	Not Avialable
280	CISCO	SGE2000P	DNI1346B43C	Not Avialable
281	CISCO	SGE2000P	7N500J100388	Not Avialable
282	CISCO	SGE2000P	7N500J100273	Not Avialable
283	CISCO	SGE2000P	7N500J100368	Not Avialable
286	CISCO	SGE2000P	DNI1346B426	Not Avialable
287	CISCO	SGE2000P	7N500J100333	Not Avialable
288	CISCO	SGE2000P	DNI1346B43O	Not Avialable
289	CISCO	SGE2000P	DNI1432743O	Not Avialable
290	CISCO	SGE2000P	DNI1346B43W	Not Avialable
291	CISCO	SGE2000P	DNI1983743O	Not Avialable
292	DIGISOL	DG-GS4628FSE2	SW079110J104000062	Not Avialable

Data Centre Access Switches

SI.No.	Brand	Model	Serial/Service tag	Memory	Warranty End
1	CISCO	2960x	FOC1833S5TN	524288K	01-Mar-23
2	cisco	2960x	FOC2203T10J	524288K	01-Mar-23
3	cisco	2960x	FOC2203T0VJ	524288K	01-Mar-23
4	cisco	2960x	FOC2203T0VZ	524288K	01-Mar-23
5	aruba	2930F			01-Mar-23
6	cisco	Catalyst 4500 L3	FOX1150GW5E		01-Mar-23
7	cisco	2960x	FCW2212B03N	524288K	01-Mar-23
8	cisco	2960x	FOC2203T0XX	524288K	01-Mar-23

9	cisco	2960x	FOC2203T0YS	524288K	01-Mar-23
10	cisco	2960x	FCW1924A1DD	524288K	01-Mar-23
11	cisco	2960x	FCW1823A09B	524288K	01-Mar-23
12	cisco	2960x	FOC2203T0Y4	524288K	01-Mar-23
13	cisco	2960x 48p	FCW2203A0G9	524288K	01-Mar-23

Distribution Switches

Sl. No.	Brand	Model	Serial/Service tag	Warranty End
1	CISCO	Model-C92160YC-X	FDO22030LTW	01-Mar-23
2	CISCO	Model-C92160YC-X	FDO22030LV0	01-Mar-23
3	CISCO	Model-C92160YC-X	FDO22030LX9	01-Mar-23
4	CISCO	Model-C92160YC-X	FDO22030LXK	01-Mar-23
5	CISCO	Model-C92160YC-X	FDO22010AC4	01-Mar-23
6	CISCO	Model-C92160YC-X	FDO22010ALE	01-Mar-23
7	CISCO	Model-C92160YC-X	FDO22010AC4	01-Mar-23
8	CISCO	Model-C92160YC-X	FDO22010D3V	01-Mar-23
9	CISCO	Model-C92160YC-X	FDO2317053U	01-Mar-23
10	HP	HPE 5940	CN8BHLJ053	Feb 23, 2024
11	HP	HPE 5940	CN8BHLJ01G	Feb 23, 2024
12	HP	HPE 5940	CN8BLJ02Z	Feb 23, 2024
13	HP	HPE 5940	CN8BHLJ02V	Feb 23, 2024
14	HP	HPE 5940	CN8BHLJ024	Feb 23, 2024
15	HP	HPE 5940	CN8BHLJ01B	Feb 23, 2024
16	HP	HPE 5940	CN8BHLJ033	Feb 23, 2024

Core Switch

Sl.No.	Owner/Location	Brand	Model	Serial/Service tag	Software licenses	Warranty End
1	Data Center	Cisco	N9k-C9508	FOC21251BV3	version 7.0(3)I4(2)	27-Feb-23
2	Data Center	Cisco	N9k-C9509	FOC22019AS5	version 7.0(3)I4(2)	27-Feb-23
3						
4	Kharevela Bhawan	HPE	12904E	CN91H82001	Version 7.1.070	May 19, 2024
5	Kharevela Bhawan	HPE	12904E	CN93HB2001	Version 7.1.070	May 19, 2024

Security Devices

Sl.No.	Location	Brand	Model	Serial/Service tag	Warranty End
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1	DATA Center	Radware	Alteon NG-6024(VX)	41710244	27-Feb-23
2	DATA Center	Radware	Alteon NG-6024(VX)	41710228	27-Feb-23
3	DATA Center	Radware	Absute Vision	41710076	27-Feb-23
4					
5	DATA Center	Checkpoint	26000 Base Appliance	LR201911007901	14-Oct-2025
6	DATA Center	Checkpoint	26000 Base Appliance	LR201911007888	14-Oct-2025
7	DATA Center	Checkpoint	Smart-1 405	2022BA2320	14-Oct-2025
8	DATA Center	Checkpoint	SandBlast TE1000X	1950BA0485	14-Oct-2025
9					14-Oct-2025
10					
11	DATA Center	Check Point -1	Checkpoint-12200	1604B04503	August-6th-2021
12	DATA Center	Check Point -2	Checkpoint-12200	1604B04485	August-6th-2021
13	DATA Center	Check Point Manager	Smart-1210	LR201510009057	August-6th-2021
14					
15	DATA Center	Cisco	ASA 5540	JMX1140L17P	Not Available
16	DATA Center	Cisco	Cisco 2811	FHK1129F42C	Not Available
17					
18	DATA Center	Force Point	V10000 G4	2JM9002	August 25th 2021
19	DATA Center	Force Point	V10000 G4	2JK6CC2	August 25th 2021
20	DATA Center	LENOVO	MT-M:5462-AC1	J30WWA4	August 25th 2021
21	DATA Center	LENOVO	MT-M:5462-AC1	J30T8AB	August 25th 2021
22	DATA Center	LENOVO	MT-M:5462-AC1	J30T8AA	August 25th 2021
23					
24	DATA Center	Force Point	V20000 G4	FMP87F3	August 7th 2026
25	DATA Center	Force Point	V20000 G4	DMP87F3	August 7th 2026

Wireless Accesspoints with Controller

Sl.No.	Owner/Location	Brand	Model	Serial/Service tag	Warranty End
1	Data Center	ARUBA	Aruba6000	A00012329	Warrnty Not Avilable
2	Data Center	ARUBA	Aruba6000	A00012328	Warrnty Not Avilable
3	Kharavela Bhawan	ARUBA	Aruba 7205	CS0016049	Feb 23, 2024
4	Kharavela Bhawan	ARUBA	Aruba 7205	CS0016002	Feb 23, 2024
6					
7	CMO	Aruba/AP93	AP93	BD0032132	Warrnty Not Avilable
8		Aruba/AP93	AP93	BD0032294	Warrnty Not

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					Avilable
9		Aruba/AP93	AP93	BD0032533	Warrnty Not Avilable
10		Aruba/AP93	AP93	BD0032506	Warrnty Not Avilable
11		Aruba/AP93	AP93	BD0032538	Warrnty Not Avilable
12	COMMMERCE & TRANSPORT	Aruba/AP93	AP93	BD0032116	Warrnty Not Avilable
13		Aruba/AP93	AP93	BD0032500	Warrnty Not Avilable
14		Aruba/AP93	AP93	BD0032125	Warrnty Not Avilable
15	CO-OPERATION	Aruba/AP93	AP93	BD0032305	Warrnty Not Avilable
16		Aruba/AP93	AP93	BD0032466	Warrnty Not Avilable
17		Aruba/AP93	AP93	BD0032338	Warrnty Not Avilable
18	ENERGY	Aruba/AP93	AP93	BD0032534	Warrnty Not Avilable
19		Aruba/AP93	AP93	BD0032484	Warrnty Not Avilable
20		Aruba/AP93	AP93	BD0032344	Warrnty Not Avilable
21	Commerce-Transport Group	Aruba/AP93	AP93	BD0032467	Warrnty Not Avilable
22		Aruba/AP93	AP93	BD0032072	Warrnty Not Avilable
23		Aruba/AP93	AP93	BD0032370	Warrnty Not Avilable
24	FINANCE	Aruba/AP93	AP93	BD0032486	Warrnty Not Avilable
25		Aruba/AP93	AP93	BD0032409	Warrnty Not Avilable
26		Aruba/AP93	AP93	BD0032441	Warrnty Not Avilable
27		Aruba/AP93	AP93	BD0032432	Warrnty Not Avilable
28		Aruba/AP93	AP93	BD0032295	Warrnty Not Avilable
29		Aruba/AP93	AP93	BD0032167	Warrnty Not Avilable
30		Aruba/AP93	AP93	BD0032164	Warrnty Not Avilable
31		Aruba/AP93	AP93	BD0032429	Warrnty Not Avilable
32		Aruba/AP93	AP93	BD0032345	Warrnty Not Avilable
33		Aruba/AP93	AP93	BD0032331	Warrnty Not

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				Avilable	
34		Aruba/AP93	AP93	BD0032541	Warrnty Not Avilable
35		Aruba/AP93	AP93	BD0032155	Warrnty Not Avilable
36		Aruba/AP93	AP93	BD0032119	Warrnty Not Avilable
37		Aruba/AP93	AP93	BU0090198	Warrnty Not Avilable
38		Aruba/AP93	AP93	BD0032309	Warrnty Not Avilable
39		Aruba/AP93	AP93	BD0032332	Warrnty Not Avilable
40		Aruba/AP93	AP93	BD0032178	Warrnty Not Avilable
41		Aruba/AP93	AP93	BD0032512	Warrnty Not Avilable
42		Aruba/AP93	AP93	BD0032096	Warrnty Not Avilable
43	FISHERIES & ARD	Aruba/AP93	AP93	BD0032208	Warrnty Not Avilable
44		Aruba/AP93	AP93	BD0032163	Warrnty Not Avilable
45		Aruba/AP93	AP93	BD0032183	Warrnty Not Avilable
46	FOOD & SUPPLY	Aruba/AP93	AP93	BD0032311	Warrnty Not Avilable
47		Aruba/AP93	AP93	BD0032201	Warrnty Not Avilable
48		Aruba/AP93	AP93	BD0032431	Warrnty Not Avilable
49		Aruba/AP93	AP93	BD0032157	Warrnty Not Avilable
50		Aruba/AP93	AP93	BD0032417	Warrnty Not Avilable
51	FOOD & SUPPLY	Aruba/AP93	AP93	BD0032154	Warrnty Not Avilable
52		Aruba/AP93	AP93	BD0032444	Warrnty Not Avilable
53		Aruba/AP93	AP93	BD0032152	Warrnty Not Avilable
54		Aruba/AP93	AP93	BD0032110	Warrnty Not Avilable
55	GA	Aruba/AP93	AP93	BU0090115	Warrnty Not Avilable
56		Aruba/AP93	AP93	BD0032472	Warrnty Not Avilable
57		Aruba/AP93	AP93	BD0032392	Warrnty Not Avilable
58		Aruba/AP93	AP93	BD0032435	Warrnty Not

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					Avilable
59		Aruba/AP93	AP93	BD0032485	Warrnty Not Avilable
60		Aruba/AP93	AP93	BD0032162	Warrnty Not Avilable
61		Aruba/AP93	AP93	BD0032442	Warrnty Not Avilable
62		Aruba/AP93	AP93	BD0032184	Warrnty Not Avilable
63		Aruba/AP93	AP93	BD0032168	Warrnty Not Avilable
64	H & UD	Aruba/AP93	AP93	BD0032543	Warrnty Not Avilable
65		Aruba/AP93	AP93	BD0032314	Warrnty Not Avilable
66		Aruba/AP93	AP93	BD0032476	Warrnty Not Avilable
67		Aruba/AP93	AP93	BD0032430	Warrnty Not Avilable
68		Aruba/AP93	AP93	BD0032493	Warrnty Not Avilable
69	HIGHER EDUCATION	Aruba/AP93	AP93	BD0032221	Warrnty Not Avilable
70		Aruba/AP93	AP93	BD0032544	Warrnty Not Avilable
71		Aruba/AP93	AP93	BD0032102	Warrnty Not Avilable
72		Aruba/AP93	AP93	BD0032077	Warrnty Not Avilable
73	HEALTH	Aruba/AP93	AP93	BD0032126	Warrnty Not Avilable
74		Aruba/AP93	AP93	BD0032074	Warrnty Not Avilable
75		Aruba/AP93	AP93	BD0032123	Warrnty Not Avilable
76		Aruba/AP93	AP93	BD0032079	Warrnty Not Avilable
77		Aruba/AP93	AP93	BD0032425	Warrnty Not Avilable
78	HOME	Aruba/AP93	AP93	BD0032300	Warrnty Not Avilable
79		Aruba/AP93	AP93	BD0032290	Warrnty Not Avilable
80		Aruba/AP93	AP93	BD0032463	Warrnty Not Avilable
81		Aruba/AP93	AP93	BD0032159	Warrnty Not Avilable
82		Aruba/AP93	AP93	BD0032113	Warrnty Not Avilable
83		Aruba/AP93	AP93	BD0032319	Warrnty Not

				Avilable	
84		Aruba/AP93	AP93	BD0032141	Warrnty Not Avilable
85		Aruba/AP93	AP93	BD0032293	Warrnty Not Avilable
86		Aruba/AP93	AP93	BD0032143	Warrnty Not Avilable
87		Aruba/AP93	AP93	BD0032548	Warrnty Not Avilable
88	INDUSTRY	Aruba/AP93	AP93	BD0032240	Warrnty Not Avilable
89		Aruba/AP93	AP93	BD0032084	Warrnty Not Avilable
90	IT-CENTER	Aruba/AP93	AP93	BD0032445	Warrnty Not Avilable
91		Aruba/AP93	AP93	BD0032563	Warrnty Not Avilable
92		Aruba/AP93	AP93	BD0032506	Warrnty Not Avilable
93		Aruba/AP93	AP93	BD0032459	Warrnty Not Avilable
94	LABOUR & EMPLOYMENT	Aruba/AP93	AP93	BD0032090	Warrnty Not Avilable
95		Aruba/AP93	AP93	BD0032218	Warrnty Not Avilable
96		Aruba/AP93	AP93	BD0032217	Warrnty Not Avilable
97	LAW	Aruba/AP93	AP93	BD0032532	Warrnty Not Avilable
98		Aruba/AP93	AP93	BD0032146	Warrnty Not Avilable
99	MINSTERS CHAMBER	Aruba/AP93	AP93	BD0032087	Warrnty Not Avilable
100		Aruba/AP93	AP93	BD0032106	Warrnty Not Avilable
101		Aruba/AP93	AP93	BD0032093	Warrnty Not Avilable
102		Aruba/AP93	AP93	BD0032461	Warrnty Not Avilable
103	MINSTERS AP-2	Aruba/AP93	AP93	BD0032361	Warrnty Not Avilable
104	MINISTERS CABIN MIDDLE BUILDING AP-1	Aruba/AP93	AP93	BD0032565	Warrnty Not Avilable
105	MSME	Aruba/AP93	AP93	BD0032089	Warrnty Not Avilable
106	PLANNING & COORDINATION	Aruba/AP93	AP93	BD0032377	Warrnty Not Avilable
107		Aruba/AP93	AP93	BD0032390	Warrnty Not Avilable
108		Aruba/AP93	AP93	BD0032477	Warrnty Not

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					Avilable
109	PA PGPA	Aruba/AP93	AP93	BD0032433	Warrnty Not Avilable
110		Aruba/AP93	AP93	BD0032404	Warrnty Not Avilable
111	PE	Aruba/AP93	AP93	BD0032413	Warrnty Not Avilable
112	PR	Aruba/AP93	AP93	BD0032369	Warrnty Not Avilable
113		Aruba/AP93	AP93	BD0032193	Warrnty Not Avilable
114		Aruba/AP93	AP93	BD0032443	Warrnty Not Avilable
115		Aruba/AP93	AP93	BD0032547	Warrnty Not Avilable
116		Aruba/AP93	AP93	BD0032411	Warrnty Not Avilable
117	AGRICULTURE	Aruba/AP93	AP93	BD0032464	Warrnty Not Avilable
118		Aruba/AP93	AP93	BD0032437	Warrnty Not Avilable
119		Aruba/AP93	AP93	BD0032424	Warrnty Not Avilable
120		Aruba/AP93	AP93	BD0032334	Warrnty Not Avilable
121		Aruba/AP93	AP93	BD0032426	Warrnty Not Avilable
122	WATER RESOURCES	Aruba/AP93	AP93		Warrnty Not Avilable
123		Aruba/AP93	AP93	BD0032397	Warrnty Not Avilable
124		Aruba/AP93	AP93	BD0032351	Warrnty Not Avilable
125		Aruba/AP93	AP93	BD0032454	Warrnty Not Avilable
126		Aruba/AP93	AP93	BD0032450	Warrnty Not Avilable
127		Aruba/AP93	AP93	BD0032343	Warrnty Not Avilable
128		Aruba/AP93	AP93		Warrnty Not Avilable
129		Aruba/AP93	AP93	BD0032399	Warrnty Not Avilable
130		Aruba/AP93	AP93	BD0032372	Warrnty Not Avilable
131		RD	Aruba/AP93	AP93	BD0032356
132	Aruba/AP93		AP93	BD0032288	Warrnty Not Avilable
133	REVENUE	Aruba/AP93	AP93	BD0032158	Warrnty Not

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					Avilable
134		Aruba/AP93	AP93	BD0032401	Warrnty Not Avilable
135		Aruba/AP93	AP93	BD0032549	Warrnty Not Avilable
136		Aruba/AP93	AP93	BD0032097	Warrnty Not Avilable
137		Aruba/AP93	AP93	BD0032161	Warrnty Not Avilable
138		Aruba/AP93	AP93	BD0032165	Warrnty Not Avilable
139	SC & ST	Aruba/AP93	AP93	BD0032355	Warrnty Not Avilable
140		Aruba/AP93	AP93	BD0032354	Warrnty Not Avilable
141		Aruba/AP93	AP93	BD0032407	Warrnty Not Avilable
142		Aruba/AP93	AP93	BD0032181	Warrnty Not Avilable
143	SCHOOL & MASS EDUCATION	Aruba/AP93	AP93	BD0032494	Warrnty Not Avilable
144		Aruba/AP93	AP93	BD0032286	Warrnty Not Avilable
145	SCIENCE & TECHNOLOGY	Aruba/AP93	AP93	BD0032506	Warrnty Not Avilable
146		Aruba/AP93	AP93	BD0032329	Warrnty Not Avilable
147	STEEL & MINES	Aruba/AP93	AP93	BD0032474	Warrnty Not Avilable
148		Aruba/AP93	AP93	BD0032478	Warrnty Not Avilable
149	WCD	Aruba/AP93	AP93	BD0032190	Warrnty Not Avilable
150		Aruba/AP93	AP93	BD0032447	Warrnty Not Avilable
151	TEXTILE & HANDLOOM	Aruba/AP93	AP93	BD0032487	Warrnty Not Avilable
152	WORKS	Aruba/AP93	AP93	BD0032375	Warrnty Not Avilable
153		Aruba/AP93	AP93	BD0032380	Warrnty Not Avilable
154		Aruba/AP93	AP93	BD0032384	Warrnty Not Avilable
157	Kharavel bhawan	ARUBA/AP305	AP305	CNGWJSS5L0	Feb 23, 2024
158	Kharavel bhawan	ARUBA/AP305	AP305	CNGWJSS5LR	Feb 23, 2025
159	Kharavel bhawan	ARUBA/AP305	AP305	CNGWJSS5KJ	Feb 23, 2026
160	Kharavel bhawan	ARUBA/AP305	AP305	CNGWJSS5M1	Feb 23, 2027
161	Kharavel bhawan	ARUBA/AP305	AP305	CNGWJSS5MY	Feb 23, 2028
162	Kharavel bhawan	ARUBA/AP305	AP305	CNGWJSS5M9	Feb 23, 2029

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163	Kharavel bhawan	ARUBA/AP305	AP305	CNGWJSS5M4	Feb 23, 2030
164	Kharavel bhawan	ARUBA/AP305	AP305	CNGWJSS45K	Feb 23, 2031
165	Kharavel bhawan	ARUBA/AP305	AP305	CNGWJSS44V	Feb 23, 2032
166	Kharavel bhawan	ARUBA/AP305	AP305	CNGWJSS5LQ	Feb 23, 2033
167	Kharavel bhawan	ARUBA/AP305	AP305	CNGWJSS443	Feb 23, 2034
168	Kharavel bhawan	ARUBA/AP305	AP305	CNGWJSS42V	Feb 23, 2035
169	Kharavel bhawan	ARUBA/AP305	AP305	CNGWJSS44R	Feb 23, 2036
170	Kharavel bhawan	ARUBA/AP305	AP305	CNGWJSS45C	Feb 23, 2037
171	Kharavel bhawan	ARUBA/AP305	AP305	CNGWJSS44N	Feb 23, 2038
172	Kharavel bhawan	ARUBA/AP305	AP305	CNGWJSS45H	Feb 23, 2039
173	Kharavel bhawan	ARUBA/AP305	AP305	CNGWJSS44Y	Feb 23, 2040
174	Kharavel bhawan	ARUBA/AP305	AP305	CNGWJSS45G	Feb 23, 2041
175	Kharavel bhawan	ARUBA/AP305	AP305	CNGWJSS5KR	Feb 23, 2042
176	Kharavel bhawan	ARUBA/AP305	AP305	CNGWJSS5MG	Feb 23, 2043
177	Kharavel bhawan	ARUBA/AP305	AP305	CNGWJSS5MX	Feb 23, 2044
178	Kharavel bhawan	ARUBA/AP305	AP305	CNGWJSS5N2	Feb 23, 2045
179	Kharavel bhawan	ARUBA/AP305	AP305	CNGWJSS5MQ	Feb 23, 2046
180	Kharavel bhawan	ARUBA/AP305	AP305	CNGWJSS5MK	Feb 23, 2047
181	Kharavel bhawan	ARUBA/AP305	AP305	CNGWJSS5MH	Feb 23, 2048
182	Kharavel bhawan	ARUBA/AP305	AP305	CNGWJSS5MZ	Feb 23, 2049
183	Kharavel bhawan	ARUBA/AP305	AP305	CNGWJSS5MN	Feb 23, 2050
184	Kharavel bhawan	ARUBA/AP305	AP305	CNGWJSS5MT	Feb 23, 2051
185	Kharavel bhawan	ARUBA/AP305	AP305	CNGWJSS5LY	Feb 23, 2052
186	Kharavel bhawan	ARUBA/AP305	AP305	CNGWJSS5LC	Feb 23, 2053
187	Kharavel bhawan	ARUBA/AP305	AP305	CNGWJSS5M0	Feb 23, 2054
188	Kharavel bhawan	ARUBA/AP305	AP305	CNGWJSS4CT	Feb 23, 2055
189	Kharavel bhawan	ARUBA/AP305	AP305	CNGWJSS5L9	Feb 23, 2056
190	Kharavel bhawan	ARUBA/AP305	AP305	CNGWJSS5MD	Feb 23, 2057
191	Kharavel bhawan	ARUBA/AP305	AP305	CNGWJSS48K	Feb 23, 2058
192	Kharavel bhawan	ARUBA/AP305	AP305	CNGWJSS48M	Feb 23, 2059
193	Kharavel bhawan	ARUBA/AP305	AP305	CNGWJSS48T	Feb 23, 2060
194	Kharavel bhawan	ARUBA/AP305	AP305	CNGWJSS477	Feb 23, 2061
195	Kharavel bhawan	ARUBA/AP305	AP305	CNGWJSS48Y	Feb 23, 2062
196	Kharavel bhawan	ARUBA/AP305	AP305	CNGWJSS5LH	Feb 23, 2063
197	Kharavel bhawan	ARUBA/AP305	AP305	CNGWJSS484	Feb 23, 2064
198	Kharavel bhawan	ARUBA/AP305	AP305	CNGWJSS486	Feb 23, 2065
199	Kharavel bhawan	ARUBA/AP305	AP305	CNGWJSS478	Feb 23, 2066
200	Kharavel bhawan	ARUBA/AP305	AP305	CNGWJSS5LD	Feb 23, 2067
201	Kharavel bhawan	ARUBA/AP305	AP305	CNGWJSS5KW	Feb 23, 2068
202	Kharavel bhawan	ARUBA/AP305	AP305	CNGWJSS5KR	Feb 23, 2069
203	Kharavel bhawan	ARUBA/AP305	AP305	CNGWJSS5KM	Feb 23, 2070
204	Kharavel bhawan	ARUBA/AP305	AP305	CNGWJSS5L8	Feb 23, 2071
205	Kharavel bhawan	ARUBA/AP305	AP305	CNGWJSS5M6	Feb 23, 2072
206	Kharavel bhawan	ARUBA/AP305	AP305	CNGWJSS2T0	Feb 23, 2073

207	Kharavel bhawan	ARUBA/AP305	AP305	CNGWJSS5KP	Feb 23, 2074
208	Kharavel bhawan	ARUBA/AP305	AP305	CNGWJSS5KL	Feb 23, 2075
209	Kharavel bhawan	ARUBA/AP305	AP305	CNGWJSS5L5	Feb 23, 2076
210	Kharavel bhawan	ARUBA/AP305	AP305	CNGWJSS5L3	Feb 23, 2077
211	Kharavel bhawan	ARUBA/AP305	AP305	CNGWJSS5KZ	Feb 23, 2078
212	Kharavel bhawan	ARUBA/AP305	AP305	CNGWJSS5L7	Feb 23, 2079
213	Kharavel bhawan	ARUBA/AP305	AP305	CNGWJSS5KF	Feb 23, 2080
214	Kharavel bhawan	ARUBA/AP305	AP305	CNGWJSS5M6	Feb 23, 2081
215	Kharavel bhawan	ARUBA/AP305	AP305	CNGWJSS5KQ	Feb 23, 2082
216	Kharavel bhawan	ARUBA/AP305	AP305	CNGWJSS5LQ	Feb 23, 2083
217	Kharavel bhawan	ARUBA/AP305	AP305	CNGWJSS5LB	Feb 23, 2084

Servers

Sl.No.	Make	Model	Serail No	Virtual	CPU	RAM	Disk	Warranty End
1	HP	Storage Works P2000	2S6327B007	NA	NA	NA	24	30 Sep, 2021
2	HP	C7000 Chasis with Blade Switch, SAN Switch, Controller with all accessories	SGH32803DF	NA	NA	NA	NA	30 Sep, 2021
3	HP	ProLiant, BL420c Gen8	SGH32802T5	32	16	32	300G	30 Sep, 2021
4	HP	ProLiant, BL420c Gen8	SGH32802T8	32	16	32	300G	30 Sep, 2021
5	HP	ProLiant, BL420c Gen8	SGH32802TL	32	16	32	300G	30 Sep, 2021
6	HP	ProLiant, BL420c Gen8	SGH32802TD	32	16	32	300G	30 Sep, 2021
7	HP	ProLiant, BL420c Gen8	SGH32802TH	32	16	32	300G	30 Sep, 2021
8	HP	ProLiant, BL420c Gen8	SGH32802TB	32	16	32	300G	30 Sep, 2021
9	HP	ProLiant, BL420c Gen8	SGH32802TB	32	16	32	300G	30 Sep, 2021
10	HP	ProLiant, BL420c Gen8	SGH32802TR	32	16	32	300G	30 Sep, 2021
11	HP	ProLiant, BL420c Gen8	SGH32802T7	32	16	32	300G	30 Sep, 2021
12	HP	ProLiant, BL420c Gen8	SGH32802TT	32	16	32	300G	30 Sep, 2021
13	HP	ProLiant, BL420c Gen8	SGH32802TN	32	16	32	300G	30 Sep, 2021
14	HP	ProLiant, BL420c Gen8	SGH32802T3	32	16	32	300G	30 Sep, 2021

Line Interactive UPS

Sl.No.	Brand	Model	Serial/Service tag	Capacity
1	Liebert itONCX1000	itONCX1000	441905510939	1Kva
2	Liebert itONCX1000	itONCX1000	441902502778	1Kva
3	Liebert itONCX1000	itONCX1000	441905510936	1Kva
4	Liebert itONCX1000	itONCX1000	441902502771	1Kva
5	Liebert itONCX1000	itONCX1000	441902502791	1Kva
6	Liebert itONCX1000	itONCX1000	441905510960	1Kva
7	Liebert itONCX1000	itONCX1000	441902502790	1Kva
8	Liebert itONCX1000	itONCX1000	441905512076	1Kva
9	Liebert itONCX1000	itONCX1000	441902502774	1Kva
10	Liebert itONCX1000	itONCX1000	441905512065	1Kva
11	Liebert itONCX1000	itONCX1000	441905512071	1Kva
12	Liebert itONCX1000	itONCX1000	441905510942	1Kva
13	Liebert itONCX1000	itONCX1000	441902502761	1Kva
14	Liebert itONCX1000	itONCX1000	441905512068	1Kva
15	Liebert itONCX1000	itONCX1000	441902502789	1Kva
16	Liebert itONCX1000	itONCX1000	441902502768	1Kva
17	Liebert itONCX1000	itONCX1000	441902502776	1Kva
18	Liebert itONCX1000	itONCX1000	441905510937	1Kva
19	Liebert itONCX1000	itONCX1000	441902502780	1Kva
20	Liebert itONCX1000	itONCX1000	441905512077	1Kva
21	Liebert itONCX1002	itONCX1000	441905510940	1Kva
22	Liebert itONCX1000	itONCX1000	441905512072	1Kva
23	Liebert itONCX1000	itONCX1000	441905510919	1Kva
24	Liebert itONCX1000	itONCX1000	441903513632	1Kva
25	Liebert itONCX1000	itONCX1000	441905510949	1Kva
26	Liebert itONCX1000	itONCX1000	441905512079	1Kva
27	Liebert itONCX1000	itONCX1000	441905512074	1Kva
28	Liebert itONCX1000	itONCX1000	441905510959	1Kva
29	Liebert itONCX1000	itONCX1000	441902502317	1Kva
30	Liebert itONCX1000	itONCX1000	441905512073	1Kva
31	Liebert itONCX1000	itONCX1000	441905510941	1Kva
32	Liebert itONCX1000	itONCX1000	441905512083	1Kva
33	Liebert itONCX1000	itONCX1000	441905512082	1Kva
34	Liebert itONCX1000	itONCX1000	441905510967	1Kva
35	Liebert itONCX1000	itONCX1000	441905510963	1Kva
36	Liebert itONCX1000	itONCX1000	441905510943	1Kva
37	Liebert itONCX1001	itONCX1000	441902502779	1Kva
38	Liebert itONCX1000	itONCX1000	441902502769	1Kva
39	Liebert itONCX1000	itONCX1000	441905512064	1Kva
40	Liebert itONCX1000	itONCX1000	441902502764	1Kva

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41	Liebert itONCX1000	itONCX1000	441902502775	1Kva
42	Liebert itONCX1000	itONCX1000	441905510958	1Kva
43	Liebert itONCX1000	itONCX1000	441905510954	1Kva
44	Liebert itONCX1000	itONCX1000	441902502784	1Kva
45	Liebert itONCX1000	itONCX1000	441902502765	1Kva
46	Liebert itONCX1000	itONCX1000	441905512069	1Kva
47	Liebert itONCX1000	itONCX1000	441905510922	1Kva
48	Liebert itONCX1000	itONCX1000	441905512080	1Kva
49	Liebert itONCX1000	itONCX1000	441903513624	1Kva
50	Liebert itONCX1000	itONCX1000	441902502787	1Kva
51	Liebert itONCX1000	itONCX1000	441905510948	1Kva
52	Liebert itONCX1000	itONCX1000	441902502788	1Kva
53	Liebert itONCX1000	itONCX1000	441902502777	1Kva
54	Liebert itONCX1000	itONCX1000	441905512070	1Kva
55	Liebert itONCX1000	itONCX1000	441903513643	1Kva
56	Liebert itONCX1000	itONCX1000	441902502785	1Kva
57	Liebert itONCX1001	itONCX1000	441902502773	1Kva
58	Liebert itONCX1001	itONCX1000	441905510953	1Kva
59	Liebert itONCX1003	itONCX1000	441902502783	1Kva
60	Liebert itONCX1003	itONCX1000	441905510945	1Kva
61	Liebert itONCX1003	itONCX1000	441902502315	1Kva
62	Liebert itONCX1003	itONCX1000	441903513642	1Kva
63	Liebert itONCX1003	itONCX1000	441905512075	1Kva
64	Liebert itONCX1003	itONCX1000	441902502770	1Kva
65	Liebert itONCX1004	itONCX1000	441903513636	1Kva
66	Liebert itONCX1004	itONCX1000	441902502772	1Kva
67	Liebert itONCX1004	itONCX1000	441905510957	1Kva
68	Liebert itONCX1004	itONCX1000	441902502767	1Kva
69	Liebert itONCX1004	itONCX1000	441905512078	1Kva
70	Liebert itONCX1004	itONCX1000	441905512067	1Kva
71	Liebert itONCX1004	itONCX1000	441903513631	1Kva
72	Liebert itONCX1004	itONCX1000	441902502758	1Kva
73	Liebert itONCX1004	itONCX1000	441902502786	1Kva
74	Liebert itONCX1004	itONCX1000	441905512066	1Kva
75	Liebert itONCX1004	itONCX1000	441905510947	1Kva
76	Liebert itONCX1004	itONCX1000	441905510951	1Kva
77	Liebert itONCX1004	itONCX1000	441905510933	1Kva
78	Liebert itONCX1004	itONCX1000	441905510955	1Kva
79	Liebert itONCX1004	itONCX1000	441905510962	1Kva
80	Liebert itONCX1004	itONCX1000	441905510921	1Kva
81	Liebert itONCX1004	itONCX1000	441905510920	1Kva
82	Liebert itONCX1004	itONCX1000	441902502781	1Kva
83	Liebert itONCX1004	itONCX1000	441905510935	1Kva
84	Liebert itONCX1004	itONCX1000	441905510944	1Kva

85	Liebert itONCX1004	itONCX1000	441905510956	1Kva
86	Liebert itONCX1004	itONCX1000	441905510934	1Kva
87	Liebert itONCX1004	itONCX1000	441905510938	1Kva
88	Liebert itONCX1004	itONCX1000	441905510952	1Kva
89	Liebert itONCX1004	itONCX1000	441902502766	1Kva
90	Liebert itONCX1004	itONCX1000	441903513643	1Kva
91	Liebert itONCX1004	itONCX1000	441902502782	1Kva
92	Liebert itONCX1004	itONCX1000	441905510966	1Kva
93	Liebert itONCX1004	itONCX1000	441905510950	1Kva
94	Liebert itONCX1004	itONCX1000	441902502762	1Kva

ON-Line UPS 3 KVA

Sl. No.	Brand	Model	Serial/Service tag	Capacity
1	CONSULE NEOWATT	FINCH Z103B3	C1201938122537	3 KVA UPS
2	CONSULE NEOWATT	FINCH Z103B3	C1201938122538	3 KVA UPS
3	CONSULE NEOWATT	FINCH Z103B3	C1201938122539	3 KVA UPS
4	CONSULE NEOWATT	FINCH Z103B3	C1201938122540	3 KVA UPS
5	CONSULE NEOWATT	FINCH Z103B3	C1201938122541	3 KVA UPS
6	CONSULE NEOWATT	FINCH Z103B3	C1201938122542	3 KVA UPS
7	CONSULE NEOWATT	FINCH Z103B3	C1201938122543	3 KVA UPS
8	CONSULE NEOWATT	FINCH Z103B3	C1201938122544	3 KVA UPS
9	CONSULE NEOWATT	FINCH Z103B3	C1201938122545	3 KVA UPS

80 KVA On-Line UPS

Sl. No.	Model	Serial/Service tag	Capacity	Instalation Date	Warranty End
1	CONSUL NEOWATT	20153200041765	80 KVA	2016	Warranty Not Available
2	CONSUL NEOWATT	20153300042102	80 KVA	2016	Warranty Not Available

10 KVA On-Line UPS

Sl.No.	Model	Serial/Service tag	Capacity	Warranty End
1	Numeric 10 kva on-line Ups	IV063901953	10 KVA	Warranty Not Available
2	Numeric 10 kva on-line Ups	IV065202804	10 KVA	Warranty Not Available

200 KVA DG Set

Sl.No.	Brand	Model	Serial/Service tag	Capacity	IP Address	Instalation Date
1	STERILING & WILSON	s1.2tce	GF12ZB0287	200KVA	NA	4.10.2012

Air Conditioner

Sl.No.	Brand	Model	Serial/Service tag	Capacity
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1	CARRIER	42KFJ-055RT	500333123178159	5-TON (TOWWER)
2	CARRIER	42KFJ-055RT	500333119178129	5-TON (TOWWER)
3	CARRIER	42KFJ-055RT	500333146178287	5-TON (TOWWER)
4	CARRIER	NA	NA	10-TON (COMMERCIAL)
5	CARRIER	NA	NA	10-TON (COMMERCIAL)
6	LG	JS-Q18AUXA2	NA	1.5-TON
7	LG	JS-Q18AUXA3	NA	1.5-TON
8	VOLTAS	NA	NA	1.5-TON
9	O-GENERAL	NA	NA	1.5-TON

33. Annexure-23: Criteria of QCBS evaluation

Technical Evaluation Criteria

Technical evaluation of each bidder shall be carried out to conform to tender requirements. During this stage the technical evaluation shall comprise of (a) Determining the Bidder's eligibility Criteria as per the Pre-qualification and (b) to assess Bidder's technical capabilities as per the desired Qualification & Detailed Technical Proposal. Bidder who meet eligibility criteria and score minimum of 70% marks in the technical evaluation as per the below Table shall be considered for opening of commercial Bid.

#	Criteria / Sub-Criteria	Description/Response expected from bidder	Max Marks
1	The bidder should have been in the business for a period exceeding five years as on 31st March 2021.	The bidder / prime bidder would be evaluated based on following criteria >5 Relevant Years = 1 marks 6 - 10 Relevant Years = 2 marks 11-15 Relevant years = 3 marks >15 Relevant Years = 5 marks	5
2	The bidder should have a positive net worth and an average turnover of more than INR 30 crores for each of the last three financial Year.	The bidder / prime bidder would be evaluated based on following criteria. ≥ INR 30 Crores =1 marks ≥ INR 30 - INR 50 Crores = 3 marks > INR 50 Crores = 5 marks	5
3	The Bidder should have experience in providing AMC & FMS Services to any Network Project for Govt. / Semi-Govt. / PSU / Scheduled Banks in India for a period of minimum 1 Years that meets the below mentioned criteria. • An Order Value not less than Rs. 2 crores per Year	The bidder must submit minimum of one completed implementation projects A period of 1Year= 5 marks A period of 3Year= 7 marks >3 Years = 10 marks	10
4	The bidder should have 30 Network Engineers in his payroll as on date of submission of bid. (Copy of the latest EPF deposit challan to be submitted)	30 Network Engineers = 3 Marks Above 30 Network Engineers = 5 Marks	5
5	The Bidder should have following Certifications	<ul style="list-style-type: none"> ▪ ISO 9001 : 1 Marks ▪ ISO 9001 and 27001 : 3 Marks ▪ ISO 9001 with 27001 & 20000 : 5 Marks 	5
6	Operation & Service Support Center in Odisha. (Copy of Registration Certificate under Odisha Shops & Commercial Establishments Act to be submitted)	Yes= 5 Marks No= 0 Marks	5
7	The bidder should have Experience in providing Operation & Maintenance	400 Switches= 5 marks	10

	Services (O&M) to at least 400 Switches of a Network	400-500 Switches= 7marks >500 Switches = 10 marks	
8	The bidder should have Experience in maintaining CheckPoint Firewall in any Network Project for Govt. / Semi-Govt. / PSU / Scheduled Banks in India. The Bidder should have OEM Certified Engineer in his in his payroll as on date of submission of bid.	Yes= 5 Marks No= 0 Marks	5
9	The bidder should have Experience in Implementation & Maintenance of IP v6 in any Network Project for Govt. / Semi-Govt. / PSU / Scheduled Banks in India	Yes= 5 Marks No= 0 Marks	5
10	The bidder should have Experience in maintaining ForcePoint Web Security in any Network Project for Govt. / Semi-Govt. / PSU / Scheduled Banks in India, The Bidder should have OEM Certified Engineer in his in his payroll as on date of submission of bid.	Yes= 5 Marks No= 0 Marks	5
11	The bidder should have Experience in maintaining Zero Trust Network Access (ZTNA) in any Network Project for Govt. / Semi-Govt. / PSU / Scheduled Banks in India, The Bidder should have OEM Certified Engineer in his in his payroll as on date of submission of bid.	Yes= 5 Marks No= 0 Marks	5
12	The Bidder should have experience in providing AMC & FMS to any Campus Wi-Fi Network Project of Govt. / Semi-Govt. / PSU / Scheduled Banks in India.	1 Project = 5 Mark 2 Project = 7Mark More than 2 Project =10Mark	10
13	Technical Presentation before the technical evaluation committee.	The bidder would be evaluated by the technical committee on the following factors depicted by the bidder during the technical presentation made to the technical evaluation that committee. The factors that would be evaluated would include following: For each factor the marks that would be awarded to the bidder are also mentioned. a. Bidder"s understanding of the Project & Scope of Work: 10 Marks b. Aproch & Methodology: 10 Marks c. Completeness & responsiveness: 5Marks	25
Total marks			100

N.B. OCAC shall constitute an evaluation committee for evaluation and scoring of technical proposal and Technical Presentation. The interpretation of the documents and scoring of the evaluation committee shall be deemed as final. The score for the technical presentation shall be given individually by each of the committee members and the average score shall be taken into consideration. The score for technical presentation is at the discretion of the committee members.

Minimum qualifying mark for opening of commercial bid is 70%. Commercial bids of those bidders who are only technically qualified in the technical evaluation will only be opened. All other Commercial bids will be ignored.

The absolute Technical evaluation mark will be calculated as follows:

$$\text{Normalised Technical Score (STechnical)} = \frac{\text{Mark Secured by the bidder} \times 70}{\text{Highest Score obtained by any bidders}}$$

The absolute Commercial mark will be calculated as follows:

$$\text{Normalised Commercial Score (SCommercial)} = \frac{\text{Lowest quoted price (in the bid)} \times 30}{\text{Price Quoted by the Bidder}}$$

Final Score: SFinal = STechnical + SCommercial

Final selection will be based upon "Quality cum Cost Based Selection" (QCBS) method. The Final Selection of Bidder will be done based on added individual score achieved by the bidder in technical evaluation and commercial evaluation scores and the bidder having highest score (SFinal) will be awarded the contract. The highest score bid henceforth will be called adjusted Lowest One (L1).