

**GOVERNMENT OF KARNATAKA**



Bagalkot University,  
Mudhol Road, Jamkhandi-587301.  
Ph No. 08353-295124

**RE-TENDERS FOR**  
**Bagalkot University Campus Networking**

TENDER REFERENCE NO:

Availability of Tender Document	<a href="http://www.eproc.karnataka.gov.in">http://www.eproc.karnataka.gov.in</a> .
Date of publishing Tender Document on e-Procurement Platform	13-06-2025 10:30 Am
Last date and time for tender Queries / Clarification	17-06-2025 02:00 Pm
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Time and Date of opening of Technical Tender	27-06-2025 11:00 Am
Time and Date of opening of Financial Tender	30-06-2025 11:30 Am
Place of opening Technical & Financial Bid and address for communication	Registrar (Administration) Bagalkot University, Mudhol Road Jamkhandi - 587301. Karnataka. India. Telephone: 08353-295124 Email.com: registrar@bgku.ac.in

### **Notice Inviting Tender (NIT)**

1	Date of Tender Publishing on website	13-06-2025
2	Last Date for Submission of Tender	24-06-2025
3	Opening of Technical Bid	27-06-2025
4	Total No of Days	<b>90 (Nighly Days)</b>
5	Estimated Cost (Inclusive of GST)	35,00,000/-
6	EMD	1,40,000/-

### **Annexure-I**

### **Bagalkot University, Campus Networking Schedule-01**

<b>Sr No.</b>	<b>Description of Goods</b>	<b>Qty</b>	<b>Unit</b>
1	Firewall with Multiple ISP support, 16Nos 1G ethernet ports, 8Nos 1G SFP Ports, 4Nos 10G SFP+ Ports, 2Nos hardware accelarated ports, 480GB SSD and redundant power supply and Fortigate firewall security bundle UTM services for 3Year	1	No
2	Supply and Installation of 24Port Layer 3 manageable 100/1000 Mbps switch with 6port 10G SFP+ uplink ports	1	No
3	24Port 100/1000Mbps Manageable Layer 2 Manageable switch with 2port SFP+uplink	3	No
4	24Port 100/1000Mbps Manageable Layer 2 Manageable PoE switch with 4port SFP+ uplink	1	No
5	SFP+10G SM Twinax Cable	5	No
6	Wireless controller appliance based or Software based with required system to install the software	1	No
7	Wi-Fi 6, 11AX 2x2 indoor access Points with On Premises controller License	10	No
8	CAT6 Cable with laying	4270	Mtr
9	24Port CAT6 Patch Panel	4	No
10	CAT6 1Mtr Patch Cord	85	No
11	CAT6 2Mtr patch cord	85	No
12	CAT6 I/O with face plate and mounting box	75	No
13	12U Network rack with fan and power strip with Installation.	2	No
14	2" Cable duct with laying	250	Mtr
15	1" Casing capping/PVC pipe with laying	1400	Mtr
16	Accessories like bends, clamps, screws etc... as per site requirements	1	Lot
17	Installation, Configuration of network switches, VLAN configuration and documentation.	1	No

## **SECTION II: INSTRUCTIONS TO TENDERERS**

### **Technical Specification for Firewall**

<b>Technical Specification for Firewall</b>			
	<b>Specs</b>	<b>Details</b>	<b>Compliance ( Yes/No</b>
1	Need & Quantity	Vendor shall quote for total 1 No's of integrated cyber security solution with a hardware based firewall appliance or set of hardware appliances to meet the following functional requirements. Vendor must note that software based cyber security solution is not acceptable.	
2	End Use	Cyber security solution shall be deployed. All required additional hardware required to meet the functional requirements mentioned in the tender document are required to be fulfilled. Vendor shall be responsible for providing support at these locations	
3	Requirement	Vendor shall quote for next generation firewall (NGFW) with advance IPS/IDS, Gateway Antivirus, Data Leak Prevention, URL Filtering Capabilities. All the functionalities should be operational from day 1 and shall be offered for the entire warranty duration.	
4	Form Factor	Vendor shall quote for firewall within 2U form factor only due to the constraint of available rack space	
5	Deployment Requirements	Firewall shall be deployed in Internet segment and shall be of very high reliability and must be configured with required redundancy at all levels	-
6	1G Copper ports	Firewall must provide minimum 16No's of 1G Copper interfaces with non-blocking/hardware accelerated architecture. The offers with fiber ports and provided with 1G copper transceivers are also acceptable.	-
7	1G Fiber ports	Firewall must provide minimum 8 No's of 1G SFP Fiber ports from Day 1 for extending the firewall via fiber.	-
8	Hard disk	Firewall shall be supplied with 480GB SSD.	
9	High Availability Ports	Vendor shall have 2 No's of dedicated ports for high availability configuration/heartbeat. If quoted firewall does not have a dedicated HA firewall ports, then vendor shall provide two additional 1G copper ports in the firewall over and above the requirement of 16 No's of 1G Copper interfaces to be configurable as HA/CLustering port.	-
10	High Availability Requirements	Firewall shall be deployed in different physical/geographical locations. Firewall may be deployed in the active/active configuration or Active/passive configuration or in clustered configuration in each location depending on the network plan. All the modes must be supported from day 1 and all the required licenses for the same must be offered	-
11	10G Ports	Vendor shall quote for firewall with minimum 4 No's of 10G SFP+ ports. The required transceivers along with 5M single mode patch cords shall be offered.	-
14	Site to Site VPN Requirement	Firewall shall be deployed in different locations and all the locations are required to be connected via secure VPN links and end customers also required to be connected via VPN. The offered Firewall must support IPSEC site to site VPN and shall be offered with minimum 2000 VPN links. The aggregate performance with site to site VPN must be minimum 30Gbps.	
15	Client to Site VPN	The offered firewall must support client to site VPN configuration using IPSEC.	

16	Multi-Tenancy Support	The offered firewall shall allow partitioning the physical ports of the firewall into virtual partitions. Each partitions must have dedicated firewall ports, independent administrators and shall able to configure independent firewall rules. Virtual partitions if required to communicate with each other must be supported through either physical shared port or virtual configuration.	-
17	Multi-Tenancy Support	The offered shall support minimum 4 No's of tenants from Day 1. If multi-tenancy is not supported on the hardware, vendor may choose to offer 1 dedicated firewall per tenant.	-
18	TPM Compliance	Firewall shall be offered with secured hardware design and with TPM compliance.	-
19	IPS/IDS	Vendor shall quote firewall with support for IPS and IDS functionality. The offered firewall must also provide anti-malware capability	-
20	IPS Features	Firewall shall be configurable to support IPS/IDS configuration with heuristic analysis and signature based inspection. All the licenses required for the activation of IPS/IDS features must be offered for the entire warranty period.	-
21	IPS Performance	Vendor shall quote for firewall with minimum 5Gbps throughput when IPS/IDS is configured in the firewall	-
22	Firewall performance	Vendor shall quote firewall with minimum 25Gbps of firewall performance. The quoted performance shall be met for UDP packets of any size upto 1500 bytes.	-
23	Firewall latency	Firewall shall be deployed for high precision timing systems and shall not introduce any latency more than 4 microseconds.	-
24	Firewall throughput	Firewall must support minimum throughput of 35 Mpps.	-
25	Firewall sessions	Firewall must support minimum 2 Millions concurrent TCP connections at any point of time and shall support minimum 1 Lakh new TCP sessions every second.	-
26	NAT Support	Firewall shall support both source based NAT and destination NAT	
27	NAT Support Requirements	Firewall shall support 1:1, N:1, N:N NAT	
28	Multiple WAN links	Firewall must support connecting multiple WAN links and shall be able to configure one link as primary and other links as backup/secondary links.	
29	WAN Failover	In case of primary WAN link failover, firewall must automatically re-route all sessions to secondary links.	
30	WAN Balancing	Firewall must support configuring multiple WAN links in load balanced, round-robin and weighted configuration	
31	VLAN support	Firewall must support configuring upto 24 VLANs per interface	
32	VLAN support	Firewall must support upto maximum of 4000 VLAN per device	
33	Switching Support	Firewall must allow multiple physical ports to be configured as hardware/software defined virtual switch and shall allow creation of VLAN on the switches.	
34	Firewall policy	Firewall shall allow creation of firewall policies by defining source address and destination address in the firewall rule.	
35	Multicast Support	Firewall must support multicast protocols such as IGMP and PIM.	
36	Server Load balancing Support	Firewall shall support load balancing of incoming UDP, TCP, HTTP, HTTPS sessions to multiple physical devices connected to the firewall or a dedicated server load balancer shall be offered with the firewall.	
37	Web URL Filtering	Firewall shall provide web url filtering based on DNS filtering, IP reputation, category base filtering, individual URL	
38	Custom URL Filtering	Firewall shall allow creation of custom category for defining exemptions or blocking in the firewalls.	-
39	PTP Support	Firewall shall be offered with PTP IEEE1588 compliance.	

40	NTP Support	Firewall shall support inspection of NTP packets, proxying NTP and protecting infrastructure from NTP based attacks.	
41	User Authentication	Firewall shall allow integrating with existing LDAP servers	
42	Web Administration	Firewall shall allow administration from web as well as using CLI	
43	Management	Firewall shall allow restricting access of firewall from whitelisted IP	
44	Management Admin	Firewall shall allow creation of partition wise administrator, global administrators, read only administrators and administrators with selected capabilities.	
45	Power Supply	Vendor shall quote for firewall with redundant power supply	
47	Remote Syslog	Firewall shall be offered with support for sending logs to remote syslog servers.	
48	Warranty	Vendor shall quote firewall with 3 Years of comprehensive warranty including parts, labour, advance replacement, subscriptions	
49	Warranty Terms	Vendor shall note that warranty shall start from the date of the acceptance of the product	-
50	Delivery Location	Vendor shall supply the firewall at Bhagalkot University	-
51	Vendor Criteria	Vendor shall provide manufacturer authorization letter to participate in the bid. The offers without MAF shall not be acceptable.	-
52	Vendor Scope of Work-1	Vendor is responsible for delivery, acceptance, activation of subscriptions, warranty for firewalls.	
53	Vendor Scope of Work-2	Vendor is responsible for assisting and resolving technical issues during warranty period. Engagement with OEM, troubleshooting, corrective maintenance, hardware replacement, hardware re-configuration in case of replacement is the sole responsibility of the vendor.	
54	Notes to the vendor	Vendor must provide on confirmation on letter head that offered product OEM or the vendor itself has never been blacklisted or suspended by any of the Govt Organization or Central/State Institute in last 3 years.	-
55	Notes to the vendor	The OEM should be Leaders Quadrant in Gartner's Report of 2021,2022& 2023	
56	Notes to the vendor	All the specifications are mandatory	
57	Installation charges	Vendor shall explicitly mention installation charges if any in the bill of material. In case of no installation charges, bill of material must reflect the installation charges with NIL value.	
58	Technical CST	Vendor shall provide complete technical comparison statement (CST) of the offered product against Bhagalkot University specifications with supporting datasheet.	
59	Back to Back Support	Vendor shall provide on OEM letter head that offered product is back to back supported by OEM and is not an obsolete product	
60	Technical BOM	Vendor shall provide unpriced bill of material duly signed by OEM. Bill of material should reflect all the deliverables including servers, rackmount kit, processor, memory, hard drives, network cards, license, support, warranty. The incomplete bill of material shall not be accepted and offer shall be rejected.	-
61	Manufacturer Authorization	Vendor shall provide Manufacturer authorization letter from the OEM to participate in this bid. MAF should be signed by OEM and should clearly reflect the current Bid No, Name of the vendor and date of the issuance of the MAF. The offers submitted without MAF or with a MAF having date beyond the bid submission date shall not be accepted.	-
<b>Layer 3 Manageable Switch</b>			
<b>Sr No</b>	<b>Parameter</b>	<b>Minimum specification requirement</b>	
	<b>Proposed Make &amp; Model</b>		

1	Hardware	The switch should be manageable layer 3 with enhanced/advanced software features in nature that provides minimum 24 x 10/100/1000 access ports from day one, with additional 6x 1/10G SFP+ Uplink/Stacking ports.	
3		The switch should have 2 redundant Power supply and fixed fan	
4		The switch should have 1 x USB 2.0 for connecting external storage device	
5		The switch should be stackable in nature	
6		The switch should have operating voltage of 100-240VAC 50-60Hz redundant power supply and 40W power consumption.	
7	Performance	Switch should have non-blocking wire-speed architecture with support for both IPv4 & IPv6 from day one having switching fabric of minimum 168 Gbps or more with forwarding rate of minimum 95 Mpps. Switch should be IPv6 Logo Ready Certified.	
8		Switch should have 802.1Q VLAN on all ports with support for minimum 4K active VLANs & minimum 32k MAC address entries	
9		Switch should have minimum 12K Unicast IPv4 Routes & 4K Multicast IPv4 Routes	
10		Switch should have minimum 4K Unicast IPv6 Routes & 2K Multicast IPv6 Routes	
11		Switch should have Max. ACL Entries upto 3840	
12	Switching Features	Switch should have Dynamic and static ARP; proxy ARP; free ARP	
13		Switch should support VLAN; 802.3x; 802.1p; 802.1Q; 802.3ad. Should support M-LAG.	
14		Switch should support Q-in-Q and flexible Q-in-Q; VLAN mapping	
15		Switch should support STP/RSTP/MST; GVRP; Super VLAN; PVLAN; Voice VLAN; Monitor link; BPDU TUNNEL; PPPOE+	
16		Switch should support Multi to one port mirroring; multi to multiport mirroring; RSPAN	
17		Switch should support 802.3af; 802.3at; priority; preemptive function; automatic fault monitoring	
18	Security	Switch should support AAA; 802.1X; RADIUS; TACACS+; SSH; port security; user classification; port isolation; UNI/NNI isolation; DHCP snooping; DAI; ARP check; IP source guard; CPU protection. Switch should be Common Criteria certified for EAL2+ level.	
19		Switch should support URPF; LAND attack; SYN Flood attack; Smurf attack; Ping Flood attack; TearDrop attack; Ping of Death attack	
20	Network Protocols	Switch should support Static router; RIP v1/v2; OSPF; BGP; ISIS; RIPvng; OSPFv3; BGP4; ISISv6	
21		Switch should support IGMP PROXY; IGMP filter; MLD v1/v2; IGMP Snooping; MLD v1/v2 Snooping; PIM-DM; PIM-SM; PIM-SDM; PIM-SSM	
22		Switch should support DHCP Server; DHCP Client; DHCP Relay; DHCP Snooping; DHCPv6 Server; DHCPv6 Client; DHCPv6 Relay; DNS; Ping; FTP Server; FTP Client; IP Accounting; UDP Helper; NTP	
23		Switch should support IPv6 basic function: IPv6 ND, IPv6 PMTU, IPv6 ACL, DS-Lite, IPv4/v6 Dual Stack	

24		Switch should support IPv6 manual tunnel; GRE tunnel; Ipv4/Ipv6 compatible automatic tunnel, 6to4 tunnel, ISATAP tunnel	
25	QoS	Switch should support traffic classification on Based on port/MAC address/IP address/IP priority/DSCP priority/TCP or UDP port number/ protocol type	
26		Switch should support traffic policing with CAR	
27		Switch should support congestion management with SP; WRR; SP+WRR	
28		Switch should support congestion avoidance on RED; WRED	
29	Management	Switch should support network management with Console port; HTTP; Telnet; SSH management; SNMP v1/v2/v3; RMON 1/2/3/9; SYSLOG; DDMI	
30		Switch should support sflow for traffic analysis	
31	OAM	Switch should have network delay/network jitter/packet loss rate test	
32	Other Features	Switch should support BFD for OSPF/VRP etc.; Keepalive Gateway; VRRP/VRPv6; ERPS(G.8032) ring network protocol	
33		Switch should support VXLAN; EVPN; XML API/NETCONF	
34	Ambient Conditions	-10 to +55 °C - continuous operating temperature range	
35		Storage/transport temperature -40 to +70 °C	
36		Relative humidity 10-90 % ∴ (non-condensing)	
37	EMC	EN 61000-3-2: EN 61000-3-2 Class A EN 61000-3-3: EN 61000-3-3 EN 61000-4-2 electrostatic discharge (ESD): 4 kV contact discharge, 8 kV air discharge EN 61000-4-3 electromagnetic field: 10V/m (80-1000MHz), 3V/m (1000-6000MHz) EN 61000-4-4 fast transients (burst): 2 kV power line, 1 kV data line EN 61000-4-5 surge voltage: power line: 2 kV (line/earth), 1 kV (line/line), 1 kV data line EN 61000-4-6 Conducted Immunity: 10 V (150 kHz-80 MHz) EN 61000-4-8 power freq magnetic field: 30A/m EN 61000-4-11 voltagedips,shortinterrupt: 0%(20ms), 40%(300ms), 70%(500ms), 0%(5s) EN 55032 Class A FCC 47CFR Part 15, Class A	
38	Approvals	CE/FCC, RoHS ((EU) 2015/863) and RoHS (GB/T26572-2011)	
<b>Technical Specification for L2 Managed switch</b>			
S/N	Parameter	Specification / Value	Compliance (Yes/No)
1	<b>Switch</b>	Brand & Model Number	
2	<b>Hardware</b>		
	Interfaces	1GbE RJ45 Ports - Min 24 or more	
		10GbE SFP+ Uplink Ports - Min 4 or more	
		1 RS-232 / RJ45 console port	
		All Ports & Necessary Licenses	
		to be quoted, supplied / enabled from day one	
	Power Supply	Power Input: 110-240 V AC power	
	Dimensions & Rack Installation	19-inch Rack Mount with Rack Installation Kit	
	Environmental	Operating temperature: 0° to 50° C or Higher	
		MTBF - > 1,00,000 Hours or Higher	

3	<b>Performance</b>		
	Memory,	Min 256 MBytes or higher RAM	
	Packet Buffer	Min 1.5 MBytes or higher Packet Buffer	
	Switching Capacity	Packet Switching Capacity - Min 128 Gbps or higher	
		Layer 2/Layer 3 throughput - Min 95 Mpps or higher	
4	<b>Software Features</b>		
	Network Operating System	License should include all Advanced software features	
		Switch should have Commercial Enterprise NOS from same OEM as Switch. Open Source based NOS not acceptable.	
	Features	MAC addresses per system: Min 16K or Higher	
		Number of VLANs supported: 4K or Higher	
		Range of VLAN IDs: 4K	
		Jumbo frames: 9K or Higher	
		STP-IEEE 802.1D, RSTP-IEEE 802.1w, MSTP-IEEE 802.1s	
		Port Mirroring	
		VLAN - IEEE 802.1Q, Port-based	
		Voice VLAN	
		Loopback Detection & Protection (Independent of STP)	
		IEEE 802.3ad: Link Aggregation Control Protocol (LACP)	
		Address Resolution Protocol (ARP)	
		IPv4 & IPv6 DHCP Relay	
		Minimum 4 or more IPv6 SVI / VLAN Interfaces	
		IPv4 & IPv6 Static Routing	
	Access Security IPv4	MAC, IPv4 Access control list (ACL)	
		802.1X Radius Authentication – Port & Host based	
		RADIUS, TACACS+	
		Port Security, DAI, DHCP Snooping, IPSPG	
		Storm control	
		SSH v1, v2	
	Access Security IPv6	IPv6 Access control list (ACL)	
		IPv6 Source Guard, DHCPv6 Snooping, IPv6 RA Guard, DHCPv6 Guard, IPv6 ND Inspection	
		SSH (IPv6)	
		SSL (IPv6)	
		RADIUS Server (IPv6)	
		Web-UI (IPv6)	
	High Availability	IEEE 802.3ad / 802.1AX LACP	
		Number of link aggregation groups (LAGs) supported: 8	
		Maximum number of ports per LAG: 8	
	Operations, Administration and Maintenance	Cable Diagnostics	
		Digital Diagnostic Monitoring (DDM)	
	Quality of Service (QoS)	Layer 2 QoS, Layer 3 QoS, Hardware queues per port: 8	
		Strict-priority queuing (PQ), Weighted Round Robin / shaped-deficit weighted round robin (WRR/WDRR/SDWRR), Rate limiting	
		L2-L4 classification criteria: Interface, MAC address, EtherType, 802.1p, VLAN, IP address, DSCP/IP precedence, TCP/UDP port numbers	
	Multicast Features	IGMP snooping: v1, v2, and v3, IGMP Filter	
		MLD Snooping	
	Device Management and Operations	On-Premise Management	
		Role-based Full Featured CLI management	



		Full Featured Web-UI (IPv4 & IPv6)	
		All the features should be configurable via CLI & Web-UI	
		SNMP IPv4 & IPv6	
		SNMP v1/v2/v3	
		SNMP Traps – Link, STP, Loop, Storm, Power, Fan, New MAC	
		Remote monitoring (RMON)	
		IPv4 & IPv6 DHCP Client & Relay	
		Network Time Protocol (NTP) / SNTP	
		SSH v2 (IPv4 & v6)	
		IEEE 802.1AB: Link Layer Discovery Protocol (LLDP)	
		IPv4/v6 Dual Stack	
		Dual Image & Dual Configurations	
	NMS Monitoring	CPU Utilization	
		Memory Utilization	
		Port Status & Utilization	
		SNMP Traps	
		Syslog Monitoring	
		ARP Table & FDB Table Monitoring	
		Private MIB	
5	Certifications / Compliance	Safety (ICT) – UL / EN 62368-1 or Better	
		EMC - EN 55032, EN 61000-3-2, EN 61000-3-3, EN 55024	
		RoHS – EN/IEC 63000 or equivalent	
		UL, CE & FCC	
		IEC or equivalent Indian Cyber Security compliance	
6	OEM / Bidder Criteria	Offered Brand should have direct presence in India	
		Offered Brand should have own Tech support center (TAC) in India	
		Offered Brand should have own service/repair/support center in Karnataka for faster support	
		Offered Brand & Models should be reputed & field proven	
		Bidder should have Registered office in Karnataka	
		Bidder should have qualified technical support team locally	
7	Country of Origin	Non-MIC	
8	Compatibility	All Switches, Modules, Cables should be from same Brand	
9	PoC / Demo	PoC / Demo needs to be arranged during technical evaluation stage	
		(if required). Bidder should have qualified Manpower to demonstrate	
10	Warranty, Services and Support	Min 3 years Warranty	
		On-site Installation, Configuration and troubleshooting support	
		The offered model should be latest. End of Sales (EoS) announced model or model going to be EoS in next 6 months should not be quoted	
11	Documentation	Technical Compliance sheet, Datasheet & Cross Reference	
		Manufacturer Authorization Letter	
12	Package Contents	24 Ports Switch + Uplink Ports with required warranty	
		Power Supply	
		Necessary Port, Feature & OS License (If applicable)	
		1U Rack Mount Kit	
		Console Cable	
		AC Power Cord	
		Installation Guide	

Technical Specification for L2 Managed PoE switch			
S/N	Parameter	Specification / Value	Compliance (Yes/No)
1	<b>Switch</b>	Brand & Model Number	
2	<b>Hardware</b>		
	Interfaces	1GbE RJ45 PoE+ Ports - Min 24 or more	
		10GbE SFP+ Uplink Ports - Min 4 or more	
		1 RS-232 / RJ45 console port	
		All Ports & Necessary Licenses	
		to be quoted, supplied / enabled from day one	
	Power Supply & Fans	Power Input: 110-240 V AC power	
		Fans – Redundant 2 or More	
	Dimensions & Rack Installation	19-inch Rack Mount with Rack Installation Kit	
	Environmental	Operating temperature: 0° to 50° C or Higher	
		MTBF - > 1,00,000 Hours or Higher	
3	<b>Performance</b>		
	Memory,	Min 256 MBytes or higher RAM	
	Packet Buffer	Min 1.5 MBytes or higher Packet Buffer	
	Switching Capacity	Packet Switching Capacity - Min 128 Gbps or higher	
		Layer 2/Layer 3 throughput - Min 95 Mpps or higher	
	Power over Ethernet (PoE)	IEEE 802.3af Power over Ethernet (PoE) /	
		802.3at Power over Ethernet (PoE+)	
		Minimum 360W or higher PoE Power Budget	
		PD Alive to check the status of PD Devices connected to PoE ports	
		Time based PoE to allow power only during working hours & save power	
4	<b>Software Features</b>		
	Network Operating System	License should include all Advanced software features	
		Switch should have Commercial Enterprise NOS from same OEM as Switch. Open Source based NOS not acceptable.	
	Features	MAC addresses per system: Min 16K or Higher	
		Number of VLANs supported: 4K or Higher	
		Range of VLAN IDs: 4K	
		Jumbo frames: 9K or Higher	
		STP-IEEE 802.1D, RSTP-IEEE 802.1w, MSTP-IEEE 802.1s	
		Port Mirroring	
		VLAN - IEEE 802.1Q, Port-based	
		Voice VLAN	
		Loopback Detection & Protection (Independent of STP)	
		IEEE 802.3ad: Link Aggregation Control Protocol (LACP)	
		Address Resolution Protocol (ARP)	
		IPv4 & IPv6 DHCP Relay	
		Minimum 4 or more IPv6 SVI / VLAN Interfaces	
		IPv4 & IPv6 Static Routing	
	Access Security IPv4	MAC, IPv4 Access control list (ACL)	
		802.1X Radius Authentication – Port & Host based	
		RADIUS, TACACS+	
		Port Security, DAI, DHCP Snooping, IPSPG	
		Storm control	
		SSH v1, v2	

	Access Security IPv6	IPv6 Access control list (ACL)	
		IPv6 Source Guard, DHCPv6 Snooping, IPv6 RA Guard, DHCPv6 Guard, IPv6 ND Inspection	
		SSH (IPv6)	
		SSL (IPv6)	
		RADIUS Server (IPv6)	
		Web-UI (IPv6)	
	High Availability	IEEE 802.3ad / 802.1AX LACP	
		Number of link aggregation groups (LAGs) supported: 8	
		Maximum number of ports per LAG: 8	
	Operations, Administration and Maintenance	Cable Diagnostics	
		Digital Diagnostic Monitoring (DDM)	
	Quality of Service (QoS)	Layer 2 QoS, Layer 3 QoS, Hardware queues per port: 8	
		Strict-priority queuing (PQ), Weighted Round Robin / shaped-deficit weighted round robin (WRR/WDRR/SDWRR), Rate limiting	
		L2-L4 classification criteria: Interface, MAC address, EtherType, 802.1p, VLAN, IP address, DSCP/IP precedence, TCP/UDP port numbers	
	Multicast Features	IGMP snooping: v1, v2, and v3, IGMP Filter	
		MLD Snooping	
	Device Management and Operations	On-Premise Management	
		Role-based Full Featured CLI management	
		Full Featured Web-UI (IPv4 & IPv6)	
		All the features should be configurable via CLI & Web-UI	
		SNMP IPv4 & IPv6	
		SNMP v1/v2/v3	
		SNMP Traps – Link, STP, Loop, Storm, Power, Fan, New MAC, PoE	
		Remote monitoring (RMON)	
		IPv4 & IPv6 DHCP Client & Relay	
		Network Time Protocol (NTP) / SNTP	
		SSH v2 (IPv4 & v6)	
		IEEE 802.1AB: Link Layer Discovery Protocol (LLDP)	
		IPv4/v6 Dual Stack	
		Dual Image & Dual Configurations	
	NMS Monitoring	CPU Utilization	
		Memory Utilization	
		Port Status & Utilization	
		SNMP Traps	
		Syslog Monitoring	
		ARP Table & FDB Table Monitoring	
		Private MIB	
5	<b>Certifications / Compliance</b>	Safety (ICT) – UL / EN 62368-1 or Better	
		EMC - EN 55032, EN 61000-3-2, EN 61000-3-3, EN 55024	
		RoHS – EN/IEC 63000 or equivalent	
		UL, CE & FCC	
		MTCTE / TEC Certified	
		IEC or equivalent Indian Cyber Security compliance	
6	<b>OEM / Bidder Criteria</b>	Offered Brand should have direct presence in India	
		Offered Brand should have own Tech support center (TAC) in India	

		Offered Brand should have own service/repair/support center in Karnataka for faster support	
		Offered Brand & Models should be reputed & field proven	
		Bidder should have Registered office in Karnataka	
		Bidder should have qualified technical support team locally	
7	<b>Country of Origin</b>	Non-MIC	
8	<b>Compatibility</b>	All Switches, Modules, Cables should be from same Brand	
9	<b>PoC / Demo</b>	PoC / Demo needs to be arranged during technical evaluation stage (if required). Bidder should have qualified Manpower to demonstrate	
10	<b>Warranty, Services and Support</b>	Min 3 years Warranty On-site Installation, Configuration and troubleshooting support The offered model should be latest. End of Sales (EoS) announced model or model going to be EoS in next 6 months should not be quoted	
11	<b>Documentation</b>	Technical Compliance sheet, Datasheet & Cross Reference Manufacturer Authorization Letter	
12	<b>Package Contents</b>	24 Ports PoE Switch + Uplink Ports with required warranty Power Supply & Fans Necessary Port, Feature & OS License (If applicable) 1U Rack Mount Kit Console Cable AC Power Cord Installation Guide	
<b>Technical Specification for 10G SFP+ Twinax cable.</b>			
S/N	Parameter	Specification / Value	Compliance (Yes/No)
	<b>Access Point</b>	Brand & Model Number	
1	Type	10G Base LR (SM) Twinax Cable	
2	Form Factor	SFP+, Duplex LC Connectors both the side, Hot Pluggable	
3	Standard Compliance	IEEE 802.3ae compliant RoHS	
4	Distance	Upto 3m	
5	Operating Temperature	upto 70°C or better	
7	Warranty, Services and Support	Min 3 years Warranty On-site Installation, Configuration and troubleshooting support The offered model should be latest. End of Sales (EoS) announced model or model going to be EoS in next 6 months should not be quoted	
8	Documentation	Compliance sheet and Datasheet All Switches, Transceivers, AP & WLC should be from single OEM and MAF from OEM to be submitted	
<b>Technical Specification for 11AX Wi-Fi Access point.</b>			
S/N	Parameter	Specification / Value	Compliance (Yes/No)
	<b>Access Point</b>	Brand & Model Number	
1	AP type	Indoor, dual radio, 5GHz and 2.4GHz 802.11ax 2x2 MIMO or better	

2	Standards	802.11ax (Wi-Fi 6) on both 2.4-Ghz and 5-GHz bands	
3	WFA Certified Features	Wi-Fi CERTIFIED™ Certificate (Wi-Fi Alliance)	
		Wi-Fi CERTIFIED 6, ac, n and Wi-Fi Enhanced Open	
		Wi-Fi CERTIFIED WMM & Wi-Fi Agile Multiband	
		WPA, WPA2, WPA3 Personal & Enterprise	
		DL and UL OFDMA	
		Individual Target Wake Time	
		WPA3 192-bit security	
		MU-MIMO	
		Cellular Data aware	
Performance			
4	Radio MIMO type	2x2 MU-MIMO with Dual spatial streams (2x2:2) or higher on both 2.4GHz and 5GHz simultaneously	
5	Data Rate	5GHz radio: Dual spatial stream HE80 MIMO for up to 1.2Gbps wireless data rate or higher	
		2.4GHz radio: Dual spatial stream HE40/20 MIMO for up to 574Mbps wireless data rate or higher	
6	Modulation	1024-QAM	
7	Antennas	Integrated dual band	
		omni-directional antennas for 2x2 MIMO	
		Min 3dBi or higher for 2.4GHz & 4dBi or higher for 5GHz	
8	Transmit Power	2.4GHz band: 23 dBm or better, 5 GHz band: 26 dBm or better	
9	Network interfaces	1GbE RJ45 PoE Port or higher speed	
10	PoE PD power	≤ 16W or Better	
11	System Memory	Min 512 MB DDR3 or higher memory	
12	Wireless Features	Airtime Fairness	
		Band Steering	
		User Limit	
		Multi-SSID	
		Bandwidth Optimization (UL/DL)	
		QoS (Quality of Service)	
		Traffic Priority (Web/Mail/FTP)	
		DHCP Server	
13	Security	ARP Spoofing Prevention	
		MAC ACL	
		WPA, WPA2, WPA3 Personal & Enterprise	
		WPA3 192-bit security	
		User / Client Isolation	
14	Authentication	802.1x Radius Authentication	
		Extensible Authentication Protocol (EAP)	
		MAC/IP	
15	Management	Management console port (RJ-45/Serial) for CLI	
		SNMP v1, v2, v3	
		Standalone Mode	
		Hardware WLC	
		Software WLC	
		Mobile App	
		AP should support SNMP based monitoring.	
		Vendor has to provide MIB if required for NMS integration	
16	Temperature range	0 °C ~ 40 °C (32 °F to 104 °F)	
17	Certifications / Compliance standards	MTCTE / TEC approved	
		Wi-Fi 6 Certified by WFA	

		CE, FCC	
		Emissions and immunity – EN 301 489-1,	
		EN 301 489-17, EN 55032, EN 55024, EN 55035	
		Safety – IEC/UL/EN 60950-1 / 62368-1	
		Spectrum & Health - EN 50385, EN 300 328,	
		EN 301 893	
		Brand / OS / Model should have Cyber Security or equivalent compliance	
		Required Documents to be submitted	
18	Country of Origin	Non-MIC	
19	OEM / Brand	Offered Brand should be OEM / ODM	
		Access Point & WLC should be from single OEM	
20	Warranty, Services and Support	Min 3 years Warranty	
		On-site Installation, Configuration and troubleshooting support	
		The offered model should be latest. End of Sales (EoS) announced model or model going to be EoS in next 6 months should not be quoted	
21	Documentation	Technical Compliance sheet, Datasheet & Cross Reference	
		Manufacturer Authorization Letter	
22	Package Contents	Access Point	
		Necessary Mount Kit	
		Console Cable	
		Installation Guide	
<b>Technical Specification for Wi-fi Controller</b>			
1	WLC Type	Appliance based or Software with Server with required licenses	
2	Number of Access Point Supported from Day One	Upto 100 or higher Access Points management with necessary license	
		AP License should be Perpetual	
3	Ports	Min 1 or more 1GbE RJ45 Port	
		Min 1 RJ45/Serial Console Port or Dedicated Management Port	
		Min 1 USB Port	
4	Power Supply	Input: 100 240VAC, 50/60Hz	
		Internal Power Supply	
5	Deployment Mode	Local / Distributed Forwarding	
6	Supported Wi-Fi Standards	Compatible with 802.11ac Wave 2 and 802.11ax access points	
7	Architecture	Multi-tenant with different sites / locations	
8	Discovery and Configuration	Layer 2 & Layer 3 discovery of Access Points	
		Mobile APP based provisioning / configuration	
		Template / Profile based configuration -	
		SSID, VLAN, Band, Channel Width, Security, Scheduling, MAC/IP Access Control, Guest Wi-Fi,	
		User Authentication, RF / Bandwidth optimization	
9	RF Optimization / Performance	Auto channel, Auto RF& output Power, fast roaming, Rogue/Neighbour AP detection, support for 11k/v/r,	
	Configuration	Band steering and Airtime Fairness	
		WMM, 20/40/80/160 Coexistence, IGMP Snooping,	
		Spanning Tree, Multicast Bandwidth Control	
		Bandwidth Optimization – Client/SSID/Band	
10	Authentication and Security config options	Internal / External Captive Portal with Radius Auth	
		WPA 2 and WPA3 Personal & Enterprise	

		Enhanced Open	
		Encryption Type (Auto/AES/TKIP)	
		Primary and Backup Radius Servers config	
		SSL Certificate	
		Hotspot 2.0	
		Payment Gateway	
11	Monitoring / Reporting	Dashboard based Monitoring, Overview – Sites, AP, Clients, Traffic etc	
		Access Point - status, IP address, MAC address, channel, network, firmware version, model name	
		Wireless Client - IP address, MAC address, authentication type, channel, associated SSID	
		Floor Plan / Topology based monitoring	
		Top N Devices details	
		Syslog, Device Logs, Audit Logs	
12	User Management	Role-Based Access Control (RBAC)	
13	Management	Web based management (HTTPS)	
		Config Backup and restore	
		Should support on-line firmware upgradation / FOTA Single Sign-On (SSO)	
		Alerts / Email Notification, SMTP	
		REST API	
14	Certification	CE, FC, UL, RoHS	
15	Environment	Operating Temperature – 0°C to 40°C	
16	OEM / Brand	Offered Brand should be OEM / ODM	
		Access Points and WLC should be from single OEM	
18	Warranty, Services and Support	Min 3 years Warranty	
		On-site Installation, Configuration and troubleshooting support	
		The offered model should be latest. End of Sales (EoS) announced model or model going to be EoS in next 6 months should not be quoted	
19	Documentation	Technical Compliance sheet, Datasheet & Cross Reference	
		Manufacturer Authorization Letter	
20	Package Content	Hardware / Software with Server	
		Necessary Mount Kit	
		Power Cable	
		Installation Guide	
	<b>Category 6 UTP Cable:</b>		
	S/N	Specifications	Compliance (Yes/No)
	Brand & Model Number		
	1	Category 6 Unshielded Twisted Pair 4 pair 305 meters' cable	
	2	23 AWG Solid Bare Copper Wire UTP Cable	
	3	Should Support ANSI/TIA-568-C.2 Standard	
	4	ETL Verified 4-Connector Channel to ANSI/TIA-568-C.2 Category 6 and ISO/IEC 11801 Class E upto 100 Mtrs (Reports / Certificates need to be attached)	
	5	Separator / Cross Filler	
	6	Sheath – Flame Retardant PVC	
	7	Conductor Resistance: $\leq 9.38 \Omega/100m$ or better	
	8	Characteristics Impedance: $100 \pm 15 \Omega$ or better	
	9	Mutual Capacitance: $< 5.6nF/100m$ or better	

	10	Delay Skew: <45ns/100m or better	
	11	Operating Temperature: -20°C ~ 70°C or higher	
	12	UL Listed, ETL Verified, RoHS Compliant	
	13	Zero-bit error test by Intertek (Reports / Certificates need to be attached)	
	14	UL and RoHS Compliant	
	15	Documentation – Technical Compliance Sheet, Datasheet & MAF from OEM	
	16	Structured cabling products should be of reputed make & field proven	
		Structured Cabling Solution (Copper & Fiber) should be from one single OEM/Brand to achieve optimum performance.	
		OEM should be member of International Structured Cabling Standards related Organization. Certificates need to be submitted	
		The quoted Brand & OEM should have direct presence in India Market for atleast 10+ Years	
		OEM should have ISO 9001:2015, ISO 14001:2015	
	<b>Category 6 Keystone</b>		
	S/N	Specifications	Compliance (Yes/No)
	Brand & Model Number		
	1	Category 6 UTP Keystone	
	2	Universal labels Color coded for T568A/568B, TIA568 C.2	
	3	Should Support ANSI/TIA-568-C.2 Standard	
	4	Suitable for 23-26 AWG stranded and solid wire	
	5	ETL verified unshielded EIA/TIA connecting hardware (Reports / Certificates need to be attached)	
	6	Contact Bracket - PC, UL 94V-2	
	7	IDC Housing - PC+ Glass Fiber, UL 94V-2, 50 µinches gold on plug contact area, Phosphor bronze with Nickel plated IDC Contact	
	8	Documentation – Technical Compliance Sheet, Datasheet & MAF from OEM	
	<b>Faceplate:</b>		
	S/N	Specifications	Compliance (Yes/No)
	Brand & Model Number		
	1	Singel / Dual / Quad (Square) with shutter	
	2	Screws / hole covers to supplied with face plate	
	3	Labelling on transparent plastic window,	
	4	Face Plate - ABS, UL94-HB	
	5	Dust Cover - ABS, UL94-HB	
	6	PVC – Backbox	
	7	Documentation – Technical Compliance Sheet, Datasheet & MAF from OEM	
	<b>24 Ports Category 6 Patch Panel</b>		
	S/N	Specifications	Compliance (Yes/No)
	Brand & Model Number		
	Model		
	1	Powder coated steel in 24 port configurations	



	2	Should support port identification numbers on the panel	
	3	Rear Cable Management Bar support	
	4	Should be loaded with Category 6 Keystones	
	5	Contact Bracket - PC, UL 94V-2	
	6	IDC Housing - PC+ Glass Fiber, UL 94V-2, 50 μinches gold on plug contact area, Phosphor bronze with Nickel plated IDC Contact	
	7	Documentation –	
		Technical Compliance Sheet, Datasheet	
		Manufacturer Authorization Form (MAF)	
	Category 6 Patch Cord:		
	S/N	Specifications	Compliance
			(Yes/No)
	Make		
	Model		
	1	Cat-6 UTP Patch Cord	
	2	24AWG stranded bare copper conductor	
	3	Snag less Semi-Transparent Moulded Boot	
	4	Phosphor bronze Contact with Nickel Plated	
	5	Jacket – Flame Retardant PVC	
	6	Insulation Resistance: 150M Ω/Km	
	7	Contact Resistance: 20 mΩ,	
	8	Insertion: 750 Mating Cycles,	
	9	ETL Verified 4-Connector Channel to ANSI/TIA-568-C.2 Category 6 and ISO/IEC 11801 Class E upto 100 Mtrs (Reports / Certificates need to be attached)	
	10	Length – 1m, 2m, 3m	
	11	Documentation – Technical Compliance Sheet, Datasheet & MAF from OEM	
	12U Wall Mount Rack		
	S/N	Specifications	Compliance
			(Yes/No)
	Brand & Model Number		
	1	12U - 550X550- Wall Mount Rack	
	2	Construction - All Welded construction	
	3	Adjustable 19” equipment mounting verticals provide the better mounting flexibility, and maximizes the usable mounting space	
	4	Top and Bottom Cover - Welded to Frame,	
		Vented and Field Cable entry exit cut outs	
	5	Front Door - Lockable Toughened Glass	
	6	Finish - Powder Coated	
	7	Horz. Cable Managers -1U-Loop	
	8	Grounding and Bonding	
	9	Rack Standard - DIN 41494 or better	
	10	Accessories - Cable Manager, Fan, Hardware mounting kit	
	11	Documentation – Technical Compliance Sheet, Datasheet & MAF from OEM	

### **SECTION III: INSTRUCTIONS TO TENDERERS**

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## **SECTION II : INSTRUCTIONS TO TENDERERS**

### **A. Introduction**

#### **1. Eligible Tenderers**

- 1.1. Tenderers should not be associated, or have been associated in the past, directly or indirectly, with a firm or any of its affiliates which have been engaged by the Purchaser to provide consulting services for the preparation of the design, specifications, and other documents to be used for the procurement of the goods to be purchased under this Invitation of Tenders.
- 1.2. Bidders shall not be under a declaration of ineligibility for corrupt and fraudulent practices issued by Government of Karnataka

#### **2. Cost of Tendering:**

- 2.1. The Tenderer shall bear all costs associated with the preparation and submission of its tender, and Registrar, Bagalkot University Jamkhandi hereinafter referred to as "the Purchaser", will in no case be responsible or liable for these costs, regardless of the conduct or outcome of the tender process.

### **B. The Tender Documents**

#### **3. Contents of Tender Documents**

- 3.1. The goods required, tendering procedures and contract terms are prescribed in the tender documents. In addition to the Invitation for Tenders, the tender documents include:
  - (a) Instruction to Tenderers (ITT) ;
  - (b) General Conditions of Contract (GCC) ;
  - (c) Special Conditions of Contract (SCC) ;
  - (d) Schedule of Requirements;
  - (e) Technical Specifications;
  - (f) Tender Form and Price Schedules;
  - (g) Earnest Money Deposit Form;
  - (h) Contract Form;
  - (i) Performance Security Form;
  - (j) Performance Statement Form;
  - (k) Manufacturer's Authorization Form;
  - (l) Bank Guarantee for Advance Payment Form; and
  - (m) Capability Statement Form
  - (n) Service Support Details Form
- 3.2. The Tenderer is expected to examine all instructions, forms, terms, and specifications in the tender documents. Failure to furnish all information required by the tender documents or submission of a tender not substantially responsive to the tender documents in every respect will be at the Tenderer's risk and may result in rejection of its tender.

#### **4. Clarification of Tender Documents**

- 4.1. A prospective Tenderer requiring any clarification of the tender documents may notify the Purchaser in writing or by telex or cable or fax at the Purchaser's mailing address indicated in the Invitation for Tenders. The Purchaser will respond in writing to any request for clarification of the tender documents which it receives no later than 15 days prior to the deadline for submission of tenders prescribed by the Purchaser. Written copies of the Purchaser's response (including an explanation of the query but without identifying the source of inquiry) will be sent to all prospective tenderers which have received the tender documents.

## **5. Amendment of Tender Documents**

<sup>1</sup> Give the designation of the Purchaser

- 5.1. At any time prior to the deadline for submission of tenders, the Purchaser may, for any reason, whether at its own initiative or in response to a clarification requested by a prospective tenderer, modify the tender documents by amendment.
- 5.2. All prospective tenderers who have received the tender documents will be notified of the amendment in writing or by cable or by fax, and will be binding on them.
- 5.3. In order to allow prospective tenderers reasonable time in which to take the amendment into account in preparing their tenders, the Purchaser, at its discretion, may extend the deadline for the submission of tenders.

## **C. Preparation of Tenders**

### **6. Language of Tender**

- 6.1. The tender prepared by the Tenderer, as well as all correspondence and documents relating to the tender exchanged by the Tenderer and the Purchaser, shall be written in English language. Supporting documents and printed literature furnished by the Tenderer may be in another language provided they are accompanied by an accurate translation of the relevant passages in the English language in which case, for purposes of interpretation of the Tender, the translation shall govern.

### **7. Documents Constituting the Tender**

- 7.1. The tender prepared by the Tenderer shall comprise the following components:
  - (a) A Tender Form and a Price Schedule completed in accordance with ITT Clauses 8, 9 and 10;
  - (b) Documentary evidence established in accordance with ITT Clause 11 that the Tenderer is eligible to tender and is qualified to perform the contract if its tender is accepted;
  - (c) Documentary evidence established in accordance with ITT Clause 12 that the goods and ancillary services to be supplied by the Tenderer are eligible goods and services and conform to the tender documents; and
  - (d) Tender security furnished in accordance with ITT Clause 13.

### **8. Tender Form**

- 8.1. The Tenderer shall complete the Tender Form and the appropriate Price Schedule furnished in the tender documents, indicating the goods to be supplied, a brief description of the goods, their country of origin, quantity and prices.

### **9. Tender Prices**

- 9.1. The Tenderer shall indicate on the Price Schedule the unit prices and total tender prices of the goods it proposes to supply under the Contract. To this end, the tenderers are allowed the option to submit the tenders for any one or more schedules specified in the ‘Schedule of Requirements’ and to offer discounts for combined schedules. However, tenderers shall quote for the complete requirement of goods and services specified under each schedule on a single responsibility basis, failing which such tenders will not be taken into account for evaluation and will not be considered for award
- 9.2. Prices indicated on the Price Schedule shall be entered separately in the following manner:
  - a. the price of the goods, quoted (ex-works, ex-factory, ex-showroom, ex-warehouse, or off-the-shelf, as applicable), including all duties and sales and other taxes already paid or payable
  - b. On components and raw material used in the manufacture or assembly of goods quoted ex-works

or ex-factory; or

- c. On the previously imported goods of foreign origin quoted ex-showroom, ex-warehouse or off-the-shelf.
  - (ii) Any Indian duties, sales and other taxes which will be payable on the goods if this Contract is awarded;
  - (iii) The price for inland transportation, insurance and other local costs incidental to delivery of the goods to their final destination; and
  - (iv) The price of other incidental services listed in Clause 4 of the Special Conditions of Contract including the price for annual maintenance services for three years after expiry of Warranty as indicated in GCC Clause 14.
- 9.3. The Tenderer's separation of the price components in accordance with ITT Clause 9.2 above will be solely for the purpose of facilitating the comparison of tenders by the Purchaser and will not in any way limit the Purchaser's right to contract on any of the terms offered.
- 9.4. Prices quoted by the Tenderer shall be fixed during the Tenderer's performance of the Contract and not subject to variation on any account. A tender submitted with an adjustable price quotation will be treated as non-responsive and rejected, pursuant to ITT Clause 22.

## **10. Tender Currency**

- 10.1. Prices shall be quoted in Indian Rupees:

## **11. Documents Establishing Tenderer's Eligibility and Qualifications**

- 11.1. Pursuant to ITT Clause 7, the Tenderer shall furnish, as part of its Tender, documents establishing the Tenderer's eligibility to tender and its qualifications to perform the Contract if its tender is accepted
- 11.2. The documentary evidence of the Tenderer's qualifications to perform the Contract if its tender is accepted, shall establish to the Purchaser's satisfaction:
- (a) That, in the case of a Tenderer offering to supply goods under the contract which the Tenderer did not manufacture or otherwise produce, the Tenderer has been duly authorized (as per authorization form in Section XIII) by the goods' Manufacturer or producer to supply the goods in India.  
(The item or items for which Manufacturer's Authorization is required should be specified)
- [Note: Supplies for any particular item in each schedule of the tender should be from one manufacturer only. Tenders from agents offering supplies from different manufacturer's for the same item of the schedule in the tender will be treated as non-responsive.]*
- (b) That the Tenderer has the financial, technical, and production capability necessary to perform the Contract and meets the criteria outlined in the Qualification requirements specified in Section VII. To this end, all tenders submitted shall include the following information:
    - (i) The legal status, place of registration and principal place of business of the company or firm or partnership, etc.;
    - (ii) Details of experience and past performance of the tenderer on equipment offered and on those of similar nature within the past three years and details of current contracts in hand and other commitments (suggested proforma given in Section XII);

## **12. Documents Establishing Goods' Eligibility and Conformity to Tender Documents**

- 12.1. Pursuant to ITB Clause 7, the Tenderer shall furnish, as part of its tender, documents establishing the eligibility and conformity to the tender documents of all goods and services which the tenderer proposes to supply under the contract..

- 12.2. The documentary evidence of conformity of the goods and services to the tender documents may be in the form of literature, drawings and data, and shall consist of:
- (a) A detailed description of the essential technical and performance characteristics of the goods ;
  - (b) A list giving full particulars, including available sources and current prices, of spare parts, special tools, etc., necessary for the proper and continuing functioning of the goods for a period of two years, following commencement of the use of the goods by the Purchaser; and
  - (c) An item-by-item commentary on the Purchaser's Technical Specifications demonstrating substantial responsiveness of the goods and services to those specifications or a statement of deviations and exceptions to the provisions of the Technical Specifications.
  - (d) a confirmation that, if the tenderer offers system and/or other software developed by another company, such software operates effectively on the system offered by the tenderer; and the tenderer is willing to accept responsibility for it's successful operations; and
  - (e) a confirmation that the tenderer is either the owner of the Intellectual Property Rights in the hardware and software items offered, or it has the proper authorization and/or license from the owner to offer them. Wilful misrepresentation of these facts will lead to the cancellation of the Contract without prejudice of other remedies that the Purchaser may take.
- 12.3. For purposes of the commentary to be furnished pursuant to ITT Clause 12.2(c) above, the Tenderer shall note that standards for workmanship, material and equipment, and references to brand names or catalogue numbers designated by the Purchaser in its Technical Specifications are intended to be descriptive only and not restrictive. The Tenderer may substitute alternative standards, brand names and/or catalogue numbers in its tender, provided that it demonstrates to the Purchaser's satisfaction that the substitutions ensure substantial equivalence to those designated in the Technical Specifications.

### **13. Earnest Money Deposit:**

- 13.1. Pursuant to ITT Clause 7, the Tenderer shall furnish, as part of its tender, a earnest money deposit in the amount as specified in Section-V - Schedule of Requirements.
- 13.2. The earnest money deposit is required to protect the Purchaser against the risk of Tenderer's conduct which would warrant the security's forfeiture, pursuant to ITB Clause 13.7.
- 13.3. The earnest money deposit shall be denominated in Indian Rupees and shall:
- (a) At the tenderer's option, be in the form of either a certified check, letter of credit, a demand draft, or a bank guarantee from a nationalized/Scheduled Bank located in India or specified small savings instruments;
  - (b) Be substantially in accordance with one of the form of earnest money deposit included in Section VIII or other form approved by the Purchaser prior to tender submission;
  - (c) Be payable promptly upon written demand by the Purchaser in case any of the conditions listed in ITT Clause 13.7 are invoked;
  - (d) Be submitted in its original form; copies will not be accepted; and
  - (e) Remain valid for a period of 45 days **beyond** the original validity period of tenders, or beyond any period of extension subsequently requested under ITT Clause 14.2.
- 13.4. Any tender not secured in accordance with ITT Clauses 13.1 and 13.3 above will be rejected by the Purchaser as non-responsive, pursuant to ITT Clause 22.
- 13.5. Unsuccessful Tenderer's tender securities will be discharged/returned as promptly as possible but not later than 30 days after the expiration of the period of tender validity prescribed by the Purchaser, pursuant to ITT Clause

- 14.
- 13.6. The successful Tenderer's tender security will be discharged upon the Tenderer signing the Contract, pursuant to ITT Clause 30, and furnishing the performance security, pursuant to ITB Clause 31.
- 13.7. The tender security may be forfeited:
- (a) If a Tenderer (i) withdraws its tender during the period of tender validity specified by the Tenderer on the Tender Form; or (ii) does not accept the correction of errors pursuant to ITT Clause 22.2; or
  - (b) In case of a successful Tenderer, if the Tenderer fails:
    - (i) To sign the Contract in accordance with ITT Clause 30; or
    - (ii) To furnish performance security in accordance with ITT Clause 31.

#### **14. Period of Validity of Tenders**

- 14.1. Tenders shall remain valid for 90 days after the deadline for submission of tenders prescribed by the Purchaser, pursuant to ITB Clause 17. A tender valid for a shorter period shall be rejected by the Purchaser as non-responsive.
- 14.2. In exceptional circumstances, the Purchaser may solicit the Tenderer's consent to an extension of the period of validity. The request and the responses thereto shall be made in writing (or by cable or telex or fax). The earnest money deposit provided under ITT Clause 13 shall also be suitably extended. A Tenderer may refuse the request without forfeiting its earnest money deposit. A Tenderer granting the request will not be required nor permitted to modify its tender.

#### **15. Format and Signing of Tender**

- 15.1. The Tenderer shall prepare two copies of the tender, clearly marking each "Original Tender" and "Copy Tender", as appropriate. In the event of any discrepancy between them, the original shall govern.
- 15.2. The original and all copies of the tender shall be typed or written in indelible ink and shall be signed by the Tenderer or a person or persons duly authorized to bind the tenderer to the Contract. The latter authorization shall be indicated by written power-of-attorney accompanying the tender. All pages of the tender, except for unamended printed literature, shall be initialed by the person or persons signing the tender.
- 15.3. Any interlineations, erasures or overwriting shall be valid only if they are initialed by the persons or persons signing the tender.

### **D. Submission of Tenders**

#### **16. Sealing and Marking of Tenders**

- 16.1. The Tenderers shall seal the original and each copy of the tender in separate inner envelopes, duly marking the envelopes as "original" and "copy". He shall then place all the inner envelopes in an outer envelope.
- 16.2. The inner and outer envelopes shall:
- (a) be addressed to the Purchaser at the following address:
  - (b) bear the Project Name, the Invitation for Tenders (IFT) title and number, and a statement "Do not open before — hours on —."
- 16.3. The inner envelopes shall also indicate the name and address of the Tenderer to enable the tender to be returned unopened in case it is declared "late".
- 16.4. If the outer envelope is not sealed and marked as required by ITT Clause 16.2, the Purchaser will assume no responsibility for the tender's misplacement or premature opening.
- 16.5. Telex, cable or facsimile tenders will be rejected.



## **17. Deadline for Submission of Tenders**

- 17.1. Tenders must be received by the Purchaser at the address specified under ITT Clause 16.2 (a) no later than the time and date specified in the Invitation for Tenders (Section I). In the event of the specified date for the submission of Tenders being declared a holiday for the Purchaser, the Tenders will be received upto the appointed time on the next working day.
- 17.2. The Purchaser may, at its discretion, extend this deadline for submission of tenders by amending the tender documents in accordance with ITB Clause 5, in which case all rights and obligations of the Purchaser and Tenderers previously subject to the deadline will thereafter be subject to the deadline as extended.

## **18. Late Tenders**

- 18.1. Any tender received by the Purchaser after the deadline for submission of tenders prescribed by the Purchaser, pursuant to ITT Clause 17, will be rejected and/or returned unopened to the Tenderer.

## **19. Modification and Withdrawal of Tenders**

- 19.1. The Tenderer may modify or withdraw its tender after the tender's submission, provided that written notice of the modification or withdrawal is received by the Purchaser prior to the deadline prescribed for submission of tenders.
- 19.2. The Tenderer's modification or withdrawal notice shall be prepared, sealed, marked and dispatched in accordance with the provisions of ITT Clause 16. A withdrawal notice may also be sent by telex or cable or fax but followed by a signed confirmation copy, post marked not later than the deadline for submission of tenders.
- 19.3. No tender may be modified subsequent to the deadline for submission of tenders.
- 19.4. No tender may be withdrawn in the interval between the deadline for submission of tenders and the expiration of the period of tender validity specified by the Tenderer on the Tender Form. Withdrawal of a tender during this interval may result in the Tenderer's forfeiture of its earnest money deposit, pursuant to ITT Clause 13.7.

## **E. Tender Opening and Evaluation of Tenders**

### **20. Opening of Tenders by the Purchaser**

- 20.1. The Purchaser will open all tenders, in the presence of Tenderers' representatives who choose to attend, at 11.00 hours on - -2025 and in the following location:  
Office of the Registrar, Bagalkot University Jamkhandi-587301  
In the event of the specified date of Tender opening being declared a holiday for the Purchaser, the tenders shall be opened at the appointed time and location on the next working day.
- 20.2. The Tenderers' names, tender modifications or withdrawals, tender prices, discounts, and the presence or absence of requisite tender security and such other details as the Purchaser, at its discretion, may consider appropriate, will be announced at the opening no tender shall be rejected at tender opening, except for late tenders, which shall be returned unopened to the Tenderer pursuant to ITT Clause 18.
- 20.3. Tenders (and modifications sent pursuant to ITT Clause 19.2) that are not opened and read out at tender opening shall not be considered further for evaluation, irrespective of the circumstances.
- 20.4. The Purchaser will prepare minutes of the tender opening.

## **21. Clarification of Tenders**

- 21.1. During evaluation of tenders, the Purchaser may, at its discretion, ask the Tenderer for a clarification of its tender. The request for clarification and the response shall be in writing and no change in prices or substance of the tender shall be sought, offered or permitted.

## **22. Preliminary Examination**

- 22.1. The Purchaser will examine the tenders to determine whether they are complete, whether any computational errors have been made, whether required sureties have been furnished, whether the documents have been properly signed, and whether the tenders are generally in order. Tenders from Agents, without proper authorization from the manufacturer as per Section XIII, shall be treated as non-responsive.
- 22.1.1. Where the Tenderer has quoted for more than one schedule, if the tender security furnished is inadequate for all the schedules, the Purchaser shall take the price tender into account only to the extent the tender is secured. For this purpose, the extent to which the tender is secured shall be determined by evaluating the requirement of tender security to be furnished for the schedule included in the tender (offer) in the serial order of the Schedule of Requirements of the Tender document.
- 22.2. Arithmetical errors will be rectified on the following basis. 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. If there is a discrepancy between words and figures, the lowest of the two will prevail. If the supplier does not accept the correction of errors, its tender will be rejected and its tender security may be forfeited.
- 22.3. The Purchaser may waive any minor informality or non-conformity or irregularity in a tender which does not constitute a material deviation, provided such a waiver does not prejudice or affect the relative ranking of any Tenderer.
- 22.4. Prior to the detailed evaluation, pursuant to ITB Clause 23, the Purchaser will determine the substantial responsiveness of each tender to the tender documents. For purposes of these Clauses, a substantially responsive tender is one which conforms to all the terms and conditions of the tender documents without material deviations. Deviations from or objections or reservations to critical provisions such as
- 22.5. those concerning Performance Security (GCC Clause 6). Warranty (GCC Clause 14), Force Majeure (GCC Clause 24), Limitation of liability (GCC Clause 28), Applicable law (GCC Clause 30), and Taxes & Duties (GCC Clause 32) will be deemed to be a material deviation. The Purchaser's determination of a tender's responsiveness is to be based on the contents of the tender itself without recourse to extrinsic evidence.
- 22.6. If a tender is not substantially responsive, it will be rejected by the Purchaser and may not subsequently be made responsive by the Tenderer by correction of then on-conformity.

## 23. Evaluation and Comparison of Tenders

- 23.1. The Purchaser will evaluate and compare the tenders which have been determined to be substantially responsive, pursuant to ITT Clause 22 for each schedule separately. No tender will be considered if the complete requirements covered in the schedule is not included in the tender. However, as stated in ITT Clause 9, Tenderers are allowed the option to tender for any one or more schedules and to offer discounts for combined schedules. These discounts will be taken into account in the evaluation of the tenders so as to determine the tender or combination of tenders offering the lowest evaluated cost for the Purchaser in deciding award(s) for each schedule.
- 23.2. The Purchaser's evaluation of a tender will exclude and not take into account:
- (a) In the case of goods manufactured in India or goods of foreign origin already located in India, sales and other similar taxes, which will be payable on the goods if a contract is awarded to the Tenderer;
  - (b) Any allowance for price adjustment during the period of execution of the Contract, if provided in the tender.
- 23.3. The Purchaser's evaluation of a tender will take into account, in addition to the tender price (Ex-factory/ex- warehouse/off-the-shelf price of the goods offered from within India, such price to include all costs as well as duties and taxes paid or payable on components and raw material incorporated or to be incorporated in the goods, and Excise duty on the finished goods, if payable) and price of incidental services, the following factors, in the manner and to the extent indicated in ITT Clause 23.4 and in the Technical Specifications:
- (a) Cost of inland transportation, insurance and other costs within India incidental to the delivery of the goods to their final destination;
  - (b) Delivery schedule offered in the tender;
  - (c) Deviations in payment schedule from that specified in the Special Conditions of Contract;
  - (d) The availability in India of spare parts and after-sales services for the goods / equipment offered in the tender;
- 23.4. Pursuant to ITT Clause 23.3, one or more of the following evaluation methods will be applied:
- (a) *Inland Transportation, Insurance and Incidentals:*
    - (i) Inland transportation, insurance and other incidentals for delivery of goods to the final destination as stated in ITT Clause 9.2 (iii).

The above costs will be added to the tender price.
  - (b) *Delivery Schedule:*
    - (i) The Purchaser requires that the goods under the Invitation for Tenders shall be delivered at the time specified in the Schedule of Requirements. The estimated

time of arrival of the goods at the project site should be calculated for each tender after allowing for reasonable transportation time. Treating the date as per schedule of requirements as the base, a delivery "adjustment" will be calculated for other tenders at 2% of the ex-factory price including excise duty for each month of delay beyond the base and this will be added to the tender price for evaluation. No credit will be given to earlier deliveries and tenders offering delivery beyond 2 months of stipulated delivery period will be treated as unresponsive.

(c) *Deviation in Payment Schedule:*

The Special Conditions of Contract stipulate the payment schedule offered by the Purchaser. If a tender deviates from the schedule and if such deviation is considered acceptable to the Purchaser, the tender will be evaluated by calculating interest earned for any earlier payments involved in the terms outlined in the tender as compared to those stipulated in this invitation, at a rate of per annum.

(d) *Spare Parts and After Sales Service Facilities in India:*

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Specify a period which is not more than twice the desired delivery period.  
Specify commercial bank rate plus 2%

The cost to the Purchaser of establishing the minimum service facilities and parts inventories, as outlined elsewhere in the tender documents, if quoted separately, shall be added to the tender price.

## **24. Contacting the Purchaser**

- 24.1. Subject to ITT Clause 21, no Tenderer shall contact the Purchaser on any matter relating to its tender, from the time of the tender opening to the time the Contract is awarded. If the tenderer wishes to bring additional information to the notice of the purchaser, it should do so in writing.
- 24.2. Any effort by a Tenderer to influence the Purchaser in its decisions on tender evaluation, tender comparison or contract award may result in rejection of the Tenderer's tender.

## **Award of Contract**

## **25. Post qualification**

- 25.1. In the absence of prequalification, the Purchaser will determine to its satisfaction whether the Tenderer that is selected as having submitted the lowest evaluated responsive tender meets the criteria specified in ITB Clause 11.32(b) and is qualified to perform the contract satisfactorily.
- 25.2. The determination will take into account the Tenderer's financial, technical and production capabilities. It will be based upon an examination of the documentary evidence of the Tenderer's qualifications submitted by the Tenderer, pursuant to ITT Clause 11, as well as such other information as the Purchaser deems necessary and appropriate.

- 25.3. An affirmative determination will be a prerequisite for award of the Contract to the Tenderer. A negative determination will result in rejection of the Tenderer's tender, in which event the Purchaser will proceed to the next lowest evaluated tender to make a similar determination of that Tenderer's capabilities to perform the contract satisfactorily.

## **26. Award Criteria**

- 26.1. Subject to ITT Clause 28, the Purchaser will award the Contract to the successful Tenderer whose tender has been determined to be substantially responsive and has been determined as the lowest evaluated tender, provided further that the Tenderer is determined to be qualified to perform the Contract satisfactorily.

## **27. Purchaser's right to vary Quantities at Time of Award**

- 27.1. The Purchaser reserves the right at the time of Contract award to increase or decrease by up to 25 percent of the quantity of goods and services originally specified in the Schedule of Requirements without any change in unit price or other terms and conditions.

## **28. Purchaser's Right to Accept Any Tender and to Reject Any or All Tenders**

- 28.1. The Purchaser reserves the right to accept or reject any tender, without any reasons

## **29. Notification of Award**

- 29.1. Prior to the expiration of the period of tender validity, the Purchaser will notify the successful tenderer in writing by registered letter or by cable/telex or fax, to be confirmed in writing by registered letter, that its tender has been accepted.
- 29.2. The notification of award will constitute the formation of the Contract.
- 29.3. Upon the successful Tenderer's furnishing of performance security pursuant to ITT Clause 31, the Purchaser will promptly notify the name of the winning Tenderer to each unsuccessful Tenderer and will discharge its earnest money deposit, pursuant to ITT Clause 13.
- 29.4. If, after notification of award, a Tenderer wishes to ascertain the grounds on which its tender was not selected, it should address its request to the Purchaser. The Purchaser will promptly respond in writing to the unsuccessful Tenderer.

## **30. Signing of Contract**

- 30.1. At the same time as the Purchaser notifies the successful tenderer that its tender has been accepted, the Purchaser will send the Tenderer the Contract Form provided in the tender documents, incorporating all agreements between the parties.
- 30.2. Within 21 days of receipt of the Contract Form, the successful Tenderer shall sign and date the Contract and return it to the Purchaser.

## **31. Performance Security**

- 31.1. Within 21 days of the receipt of notification of award from the Purchaser, the successful Tenderer shall furnish the performance security in accordance with the Conditions of Contract, in the Performance Security Form provided in the tender documents or in another form acceptable to the Purchaser.
- 31.2. Failure of the successful Tenderer to comply with the requirement of ITT Clause 30.2 or ITT Clause 31.1 shall constitute sufficient grounds for the annulment of the award and forfeiture of the earnest money deposit, in which event the Purchaser may make the award to the next lowest evaluated Tenderer or call for new tenders.

## **32. Corrupt or Fraudulent Practices**

- 32.1. The Government requires that Tenderers/ Suppliers/ Contractors observe the highest standard of ethics during the procurement and execution of Government financed contracts. In pursuance of this policy, the Government :
- (a) defines, for the purposes of this provision, the terms set forth as follows :
    - (i) —corrupt practice~~l~~ means the offering, giving, receiving or soliciting of any thing of value to influence the action of a public official in the procurement process or in contract execution; and
    - (ii) —fraudulent practice~~l~~ means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of the Government, and includes collusive practice among Tenderers (prior to or after tender submission) designed to establish tender prices at artificial non-competitive levels and to deprive the Government of the benefits of free and open competition;
  - (b) will reject a proposal for award if it determines that the Tenderer recommended for award has engaged in corrupt or fraudulent practices in competing for the contract in question;
  - (c) will declare a firm ineligible, either indefinitely or for a stated period of time, to be awarded a Government financed contract if it at any time determines that the firm has engaged in corrupt or fraudulent practices in competing for, or in executing, a Government financed contract.
- 32.2. Furthermore, Tenderers shall be aware of the provision stated in sub-clause 4.4 and sub-clause 23.1 of the General Conditions of Contract.

**SECTION III: GENERAL CONDITIONS OF CONTRACT**  
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## **SECTION III – GENERAL CONDITIONS OF CONTRACT**

### **General Conditions of Contract**

#### **1. Definitions**

1.1. In this Contract, the following terms shall be interpreted as indicated:

- (a) "The Contract" means the agreement entered into between the Purchaser and the Supplier, as recorded in the Contract Form signed by the parties, including all the attachments and appendices thereto and all documents incorporated by reference therein;
- (b) "The Contract Price" means the price payable to the Supplier under the Contract for the full and proper performance of its contractual obligations;
- (c) "The Goods" means all the equipment, machinery, and/or other materials which the Supplier is required to supply to the Purchaser under the Contract;
- (d) "Services" means services ancillary to the supply of the Goods, such as transportation and insurance, and any other incidental services, such as installation, commissioning, provision of technical assistance, training and other obligations of the Supplier covered under the Contract;
- (e) —GCC|| means the General Conditions of Contract contained in this section.
- (f) —SCC|| means the Special Conditions of Contract.
- (g) —The Purchaser|| means the organization purchasing the Goods, as named in SCC.
- (h) —The Purchaser's country|| is the country named in SCC.
- (i) —The Supplier|| means the individual or firm supplying the Goods and Services under this Contract.
- (j) —The Government|| means the Government of Karnataka State.
- (k) —The Project Site||, where applicable, means the place or places named in SCC.
- (l) —Day|| means calendar day.

#### **2. Application**

2.1. These General Conditions shall apply to the extent that they are not superseded by provisions in other parts of the Contract.

#### **3. Standards**

3.1. The Goods supplied under this Contract shall conform to the standards mentioned in the Technical Specifications, and, when no applicable standard is mentioned, to the



authoritative standard appropriate to the Goods' country of origin and such standards shall be the latest issued by the concerned institution.

#### **4. Use of Contract Documents and Information; Inspection and Audit by the Government**

- 4.1. The Supplier shall not, without the Purchaser's prior written consent, disclose the Contract, or any provision thereof, or any specification, plan, drawing, pattern, sample or information furnished by or on behalf of the Purchaser in connection therewith, to any person other than a person employed by the Supplier in performance of the Contract. Disclosure to any such employed person shall be made in confidence and shall extend only so far as may be necessary for purposes of such performance.
- 4.2. The Supplier shall not, without the Purchaser's prior written consent, make use of any document or information enumerated in GCC Clause 4.1 except for purposes of performing the Contract.

- 4.3. Any document, other than the Contract itself, enumerated in GCC Clause 4.1 shall remain the property of the Purchaser and shall be returned (in all copies) to the Purchaser on completion of the Supplier's performance under the Contract if so required by the Purchaser.
- 4.4. The supplier shall permit the Government to inspect the Supplier's accounts and records relating to the performance of the Supplier and to have them audited by auditors appointed by the Government, if so required by the Government.

## **5. Patent Rights**

- 5.1. The Supplier shall indemnify the Purchaser against all third-party claims of infringement of patent, trademark or industrial design rights arising from use of the Goods or any part thereof in India.

## **6. Performance Security**

- 6.1. Within 21 days of receipt of the notification of contract award, the Supplier shall furnish Performance Security to the Purchaser for an amount of 5% of the Contract Value excluding annual Maintenance Cost, valid upto 60 days after the date of completion of performance obligations including Warranty obligations. In the event of any correction of defects or replacement of defective material during the Warranty period, the Warranty for the corrected/replaced material shall be extended to a further period of 36 months and the Performance Bank Guarantee for proportionate value shall be extended 60 days over and above the initial Warranty period.
- 6.2. The proceeds of the performance security shall be payable to the Purchaser as compensation for any loss resulting from the Supplier's failure to complete its obligations under the Contract.
- 6.3. The Performance Security shall be denominated in Indian Rupees and shall be in one of the following forms:
  - (a) A Bank guarantee or irrevocable Letter of Credit, issued by a nationalized/scheduled bank in the form provided in the tender documents or another form acceptable to the Purchaser; or
  - (b) A cashier's check or Banker's certified check, or crossed demand draft or pay order drawn infavour of the Purchaser.; or
  - (c) Specified small savings instruments pledged to the Purchaser.
- 6.4. The Performance Security will be discharged by the Purchaser and returned to the Supplier not later than 60 days following the date of completion of the Supplier's performance obligations, including any Warranty obligations, under the Contract and following receipt of a performance guarantee for 2.5% of the contract value excluding annual maintenance costs towards guarantee for the annual maintenance as stated in Clause of SCC..
- 6.5. In the event of any contract amendment, the Supplier shall, within 20 days of receipt of such amendment, furnish the amendment to the Performance Security, rendering the same valid for the duration of the Contract as amended for 60 days after the completion of performance

obligations including Warranty obligations.

- 6.6. Failure to submit the bank guarantee for annual maintenance service in the period specified above will constitute sufficient ground for forfeiture of the performance guarantee.

## **7. Inspections and Tests**

- 7.1. The Purchaser or its representative shall have the right to inspect and/or to test the Goods to confirm their conformity to the Contract specifications at no extra cost to the Purchaser. SCC and the Technical Specifications shall specify what inspections and tests the Purchaser requires and where they are to be conducted. The Purchaser shall notify the Supplier in writing in a timely manner of the identity of any representatives retained for these purposes.
- 7.2. The inspections and tests may be conducted on the premises of the Supplier or its subcontractor(s), at point of delivery and/or at the Goods final destination. If conducted on the premises of the Supplier or its subcontractor(s), all reasonable facilities and assistance, including access to drawings and production data - shall be furnished to the inspectors at no charge to the Purchaser.

- 7.3. Should any inspected or tested Goods fail to conform to the specifications, the Purchaser may reject the goods and the Supplier shall either replace the rejected Goods or make alterations necessary to meet specification requirements free of cost to the Purchaser.
- 7.4. The Purchaser's right to inspect, test and, where necessary, reject the Goods after the Goods' arrival at Project Site shall in no way be limited or waived by reason of the Goods having previously been inspected, tested and passed by the Purchaser or its representative prior to the Goods shipment.
- 7.5. Nothing in GCC Clause 7 shall in any way release the Supplier from any warranty or other obligations under this Contract.

**7.6. Manuals and Drawings**

7.6.1. Before the goods and equipment are taken over by the Purchaser, the Supplier shall supply operation and maintenance manuals together with drawings of the goods and equipment. These shall be in such detail as will enable the Purchaser to operate, maintain, adjust and repair all parts of the equipment as stated in the specifications.

7.6.2. The manuals and drawings shall be in the ruling language (English) and in such form and numbers as stated in the contract.

7.6.3. Unless and otherwise agreed, the goods and equipment shall not be considered to be completed for the purpose of taking over until such manuals and drawings have been supplied to the Purchaser.

**7.7. For the System & Other Software the following will apply :**

The Supplier shall provide complete and legal documentation of hardware, all sub-systems, operating systems, compiler, system software and the other software. The Supplier shall also provide licensed software for all software products, whether developed by it or acquired from others. The supplier shall also indemnify the purchaser against any levies/penalties on account of any default in this regard.

**7.8. Acceptance Certificates:**

7.8.1. On successful completion of acceptability test, receipt of deliverables etc, and after the purchaser is satisfied with the working of the system, the acceptance certificate signed by the supplier and the representative of the purchaser will be issued. The date on which such certificate is signed shall be deemed to be the date of successful commissioning of the systems.

7.8.2. The training as per Clause 24 of Special Conditions of Contract shall be conducted on the dates mutually agreed upon and within two months from the date of acceptance of supply .

**8. Packing**

8.1. The Supplier shall provide such packing of the Goods as is required to prevent their damage

or deterioration during transit to their final destination as indicated in the Contract. The packing shall be sufficient to withstand, without limitation, rough handling during transit and exposure to extreme temperatures, salt and precipitation during transit and open storage. Packing case size and weights shall take into consideration, where appropriate, the remoteness of the Goods' final destination and the absence of heavy handling facilities at all points in transit.

- 8.2. The packing, marking and documentation within and outside the packages shall comply strictly with such special requirements as shall be provided for in the Contract including additional requirements, if any, specified in SCC and in any subsequent instructions ordered by the Purchaser.
- 8.3. Packing Instructions: The Supplier will be required to make separate packages for each Consignee. Each Package will be marked on three sides with proper paint/indelible ink the following:
  - i) Project, ii) Contract No., iii) Suppliers Name, and iv) Packing List Reference number.

## **9. Delivery and Documents**

- 9.1. Delivery of the Goods shall be made by the Supplier in accordance with the terms specified by the Purchaser in the Notification of Award. The details of shipping and/or other documents to be furnished by the supplier are specified in SCC.

## **10. Insurance**

- 10.1. The Goods supplied under the Contract shall be fully insured in Indian Rupees against loss or damage incidental to manufacture or acquisition, transportation, storage and delivery. For delivery of goods at site, the insurance shall be obtained by the Supplier in an amount equal to 110% of the value of the goods from —warehouse to warehouse (final destinations) on —All Risks basis including War risks and Strikes.

## **11. Transportation**

- 11.1. Where the Supplier is required under the Contract to transport the Goods to a specified place of destination within India defined as Project site, transport to such place of destination in India including insurance, as shall be specified in the Contract, shall be arranged by the Supplier, and the related cost shall be included in the Contract Price

## **12. Incidental Services**

- 12.1. The supplier may be required to provide any or all of the following services, including additional services, if any, specified in SCC:
- (a) performance or supervision of the on-site assembly and/or start-up of the supplied Goods;
  - (b) furnishing of tools required for assembly and/or maintenance of the supplied Goods;
  - (c) furnishing of detailed operations and maintenance manual for each appropriate unit of supplied Goods;
  - (d) performance or supervision or maintenance and/or repair of the supplied Goods, for a period of time agreed by the parties, provided that this service shall not relieve the Supplier of any warranty obligations under this Contract; and
  - (e) training of the Purchaser's personnel, at the Supplier's plant and/or on-site, in assembly, start-up, operation, maintenance and/or repair of the supplied Goods.
- 12.2. Prices charged by the Supplier for incidental services, if not included in the Contract Price for the Goods, shall be agreed upon in advance by the parties and shall not exceed the prevailing rates charged to other parties by the Supplier for similar services.

## **13. Spare Parts**

- 13.1. As specified in the SCC, the Supplier may be required to provide any or all of the following materials, notifications, and information pertaining to spare parts manufactured or distributed by the Supplier:

- (a) such spare parts as the Purchaser may elect to purchase from the Supplier, providing that this election shall not relieve the Supplier of any warranty obligations under the Contract; and
- (b) In the event of termination of production of the spare parts:
  - (i) advance notification to the Purchaser of the pending termination, in sufficient time to permit the Purchaser to procure needed requirements; and
  - (ii) following such termination, furnishing at no cost to the Purchaser, the blueprints, drawings and specifications of the spare parts, if requested.

13.2. The Supplier shall carry sufficient inventories to assure ex-stock supply of consumable spares for the Goods, such as gaskets, plugs, washers, belts etc. Other spare parts and components shall be supplied as promptly as possible but in any case within 3 months of placement of order.

## 14. Warranty

14.1. The Supplier warrants that the Goods supplied under this Contract are new, unused, of the most recent or current models and that they incorporate all recent improvements in design and materials unless provided otherwise in the Contract. The Supplier further warrants that all Goods supplied under this Contract shall have no defect arising from design, materials or workmanship (except when the design and/or material is required by the Purchaser's Specifications) or from any act or omission of the Supplier, that may develop under normal use of the supplied Goods in the conditions prevailing in the country affinal destination.

a) This warranty shall remain valid for 1 Year

- (a) make such changes, modifications, and/or additions to the Goods or any part thereof as may be necessary in order to attain the contractual guarantees specified in the Contract at its own cost and expense and to carry out further performance tests in accordance with SCC4; OR
- (b) pay liquidated damages to the Purchaser with respect to the failure to meet the contractual guarantees. The rate of these liquidated damages shall be as specified in the Technical Specifications.

14.3. The Purchaser shall promptly notify the Supplier in writing of any claims arising under this warranty.

14.4. Upon receipt of such notice, the Supplier shall, within the period of 3 days and with all reasonable speed, repair or replace the defective Goods or parts thereof, free of cost at the ultimate destination. The Supplier shall take over the replaced parts/goods at the time of their replacement. No claim whatsoever, shall lie on the Purchaser for the replaced parts/goods thereafter. In the event of any correction of defects or replacement of defective material during the Warranty period, the Warranty for the corrected or replaced material shall be extended to a further period of 36 months.

14.5. If the Supplier, having been notified, fails to remedy the defect(s) within 3 days, the Purchaser may proceed to take such remedial action as may be necessary, at the Supplier's risk and expense and without prejudice to any other rights which the Purchaser may have against the Supplier under the Contract.

14.6. The Supplier shall guarantee a 90% uptime of Laptops/peripherals

14.7. If any computer system (s) gives continuous trouble, say six times in a month during the Warranty period, the Supplier shall replace the system(s) with new system(s) without any additional cost to the Purchaser.

(14.8) The Purchaser reserves the right to terminate maintenance and repairs contract, after warranty period, at any time without assigning any reasons and the Supplier cannot claim any compensation in this respect.

## 15. Payment



- 15.1. The method and conditions of payment to be made to the Supplier under this Contract shall be specified in the SCC.
- 15.2. The Supplier's request(s) for payment shall be made to the Purchaser in writing, accompanied by an invoice describing, as appropriate, the Goods delivered and the Services performed, and by documents, submitted pursuant to GCC Clause 9, and upon fulfillment of other obligations stipulated in the contract.
- 15.3. Payments shall be made promptly by the Purchaser but in no case later than sixty (60) days after submission of the invoice or claim by the Supplier.
- 15.4. Payment shall be made in Indian Rupees.

## **16. Prices**

- 16.1. Prices payable to the supplier as stated in the contract shall be firm during the performance of the contract.

## **17. Change Orders**

- 17.1. The Purchaser may at any time, by written order given to the Supplier pursuant to GCC Clause 31, make changes within the general scope of the Contract in any one or more of the following:
- (a) drawings, designs, or specifications, where Goods to be furnished under the Contract are to be specifically manufactured for the Purchaser;
  - (b) the method of shipping or packing;
  - (c) the place of delivery; and/or
  - (d) the Services to be provided by the Supplier.
- 17.2. If any such change causes an increase or decrease in the cost of, or the time required for, the Supplier's performance of any provisions under the Contract, an equitable adjustment shall be made in the Contract Price or delivery schedule, or both, and the Contract shall accordingly be amended. Any claims by the Supplier for adjustment under this clause must be asserted within thirty (30) days from the date of the Supplier's receipt of the Purchaser's change order.

## **18. Contract Amendments**

- 18.1. Subject to GCC Clause 17, no variation in or modification of the terms of the Contract shall be made except by written amendment signed by the parties.

## **19. Assignment**

- 19.1. The Supplier shall not assign, in whole or in part, its obligations to perform under the Contract, except with the Purchaser's prior written consent.

## **20. Subcontracts**

20.1. The Supplier shall notify the Purchaser in writing of all subcontracts awarded under this Contract if not already specified in the tender. Such notification, in his original tender or later, shall not relieve the Supplier from any liability or obligation under the Contract. Sub-contracts shall be only for bought out items and sub- assemblies.

20.2. Subcontracts must comply with the provisions of GCC Clause 2.

## **21. Delays in the Supplier's Performance**

21.1. Delivery of the Goods and performance of the Services shall be made by the Supplier in accordance with the time schedule specified by the Purchaser in the Schedule of Requirements.

21.2. If at any time during performance of the Contract, the Supplier or its sub-contractor(s) should encounter conditions impeding timely delivery of the Goods and performance of Services, the Supplier shall promptly notify the Purchaser in writing of the fact of the delay, its likely duration and its cause(s). As soon as practicable after receipt of the Supplier's notice, the Purchaser shall evaluate the situation and may, at its discretion, extend the Supplier's time for performance with or without liquidated damages, in which case the extension shall be ratified by the parties by amendment of the Contract.

21.3. Except as provided under GCC Clause 24, a delay by the Supplier in the performance of its delivery obligations shall render the Supplier liable to the imposition of liquidated damages pursuant to GCC Clause 22, unless an extension of time is agreed upon pursuant to GCC Clause 21.2 without the application of liquidated damages.

## **22. Liquidated Damages**

22.1. Subject to GCC Clause 24, if the Supplier fails to deliver any or all of the Goods or to perform the Services within the period(s) specified in the Contract, the Purchaser shall, without prejudice to its other remedies under the Contract, deduct from the Contract Price, as liquidated damages, a sum equivalent to 0.5% of the delivered price of the delayed Goods or unperformed Services for each week or part thereof of delay until actual delivery or performance, up to a maximum deduction of 10% of the Contract Price.. Once the maximum is reached, the Purchaser may consider termination of the Contract pursuant to GCC Clause 23.

## **23. Termination for Default**

23.1. The Purchaser may, without prejudice to any other remedy for breach of contract, by written notice of default sent to the Supplier, terminate the Contract in whole or part:

- (a) If the Supplier fails to deliver any or all of the Goods within the period(s) specified in the Contract, or within any extension thereof granted by the Purchaser pursuant to GCC Clause 21; or
- (b) If the Supplier fails to perform any other obligation(s) under the Contract.
- (c) If the Supplier, in the judgement of the Purchaser has engaged in corrupt or fraudulent practices in competing for or in executing the Contract.

For the purpose of this Clause :

—Corrupt practice<sup>ll</sup> means the offering, giving, receiving or soliciting of any thing of value to influence the action of a public official in the procurement process or in contract execution.

—fraudulent practice<sup>ll</sup> means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of the Purchaser, and includes collusive practice among Bidders (prior to or after bid submission) designed to establish bid prices at artificial non-competitive levels and to deprive the Purchaser of the benefits of free and open competition.

23.2. In the event the Purchaser terminates the Contract in whole or in part, pursuant to GCC Clause 23.1, the Purchaser may procure, upon such terms and in such manner as it deems appropriate, Goods or Services similar to those undelivered, and the Supplier shall be liable to the Purchaser for any excess costs for such similar Goods or Services. However, the Supplier shall continue the performance of the Contract to the extent not terminated.

## **24. Force Majeure**

24.1. Notwithstanding the provisions of GCC Clauses 21, 22, 23, the Supplier shall not be liable for forfeiture of its performance security, liquidated damages 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.

24.2. For purposes of this Clause, "Force Majeure" means an event beyond the control of the Supplier and not involving the Supplier's fault or negligence and not foreseeable. Such events may include, but are not limited to, acts of the Purchaser either in its sovereign or contractual capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions and freight embargoes.

24.3. If a Force Majeure situation arises, the Supplier shall promptly notify the Purchaser in writing of such conditions and the cause thereof. Unless otherwise directed by the Purchaser in writing, the Supplier shall continue to perform its obligations under the Contract as far as is reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event.

## **25. Termination for Insolvency**

25.1. The Purchaser may at any time terminate the Contract by giving written notice to the Supplier, if the Supplier becomes bankrupt or otherwise insolvent. In this event, termination will be without compensation to the Supplier, provided that such termination will not prejudice or affect any right of action or remedy which has accrued or will accrue thereafter to the Purchaser.

## **26. Termination for Convenience**

26.1. The Purchaser, by written notice sent to the Supplier, 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 under the Contract is terminated, and the date upon which such termination becomes effective.

26.2. The Goods that are complete and ready for shipment within 30 days after the Supplier's receipt of notice of termination shall be accepted by the Purchaser at the Contract terms and prices. For the remaining Goods, the Purchaser may elect:

- (a) To have any portion completed and delivered at the Contract terms and prices; and/or
- (b) To cancel the remainder and pay to the Supplier an agreed amount for partially completed Goods and for materials and parts previously procured by the Supplier.

## **27. Settlement of Disputes**

27.1. The Purchaser and the supplier shall make every effort to resolve amicably by direct informal negotiation any disagreement or dispute arising between them under or in connection with the Contract.

27.2. If, after thirty (30) days, the parties have failed to resolve their dispute or difference by such mutual consultation, then either the Purchaser or the Supplier may give notice to the other party of its intention to commence arbitration, as hereinafter provided, as to the matter in dispute, and no arbitration in respect of this matter may be commenced unless such notice is given.

27.2.1. Any dispute or difference in respect of which a notice of intention to commence arbitration has been given in accordance with this Clause shall be finally settled by arbitration. Arbitration may be commenced prior to or after delivery of the Goods under the Contract.

27.2.2. Arbitration proceedings shall be conducted in accordance with the rules of procedure specified in the SCC.

27.3. Notwithstanding any reference to arbitration herein,

- (a) The parties shall continue to perform their respective obligations under the Contract unless they otherwise agree; and
- (b) The Purchaser shall pay the Supplier any monies due the Supplier.

## **28. Limitation of Liability**

28.1. Except in cases of criminal negligence or willful misconduct, and in the case of infringement pursuant to Clause 5,

- (a) The Supplier shall not be liable to the Purchaser, whether in contract, tort, or otherwise, 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 to pay liquidated damages to the Purchaser; and
- (b) The aggregate liability of the Supplier to the Purchaser, whether under the Contract, in tort or otherwise, shall not exceed the total Contract Price, provided that this limitation

shall not apply to the cost of repairing or replacing defective equipment.

## **29. Governing Language**

29.1. The contract shall be written in English language. Subject to GCC Clause 30, English language version of the Contract shall govern its interpretation. All correspondence and other documents pertaining to the Contract which are exchanged by the parties shall be written in the same language.

## **30. Applicable Law**

30.1. The Contract shall be interpreted in accordance with the laws of the Union of India.

## **31. Notices**

31.1. Any notice given by one party to the other pursuant to this Contract shall be sent to other party in writing or by cable, telex or facsimile and confirmed in writing to the other Party's address specified in SCC.

31.2. A notice shall be effective when delivered or on the notice's effective date, whichever is later.

## **32. Taxes and Duties**

1. Suppliers shall be entirely responsible for all taxes, duties, license fees, octroi, road permits, etc., incurred until delivery of the contracted Goods to the Purchaser.

**SECTION IV: SPECIAL CONDITIONS OF CONTRACT**

**TABLE OF CLAUSES**

<b><u>Item No.</u></b>	<b><u>Topic</u></b>	<b><u>Page Number</u></b>
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## **SECTION IV: SPECIAL CONDITIONS OF CONTRACT**

### **Special Conditions of Contract**

The following Special Conditions of Contract shall supplement the General Conditions of Contract. Whenever there is a conflict, the provisions herein shall prevail over those in the General Conditions of Contract. The corresponding clause number of the General Conditions is indicated in parentheses.

#### **1. Definitions (GCC Clause 1). {This may be filled}**

- (a) The Purchaser is .....
- (b) The Supplier is .....

#### **2. Inspection and Tests (GCC Clause 7)**

Inspection and tests prior to shipment of Goods and at final acceptance are as follows:<sup>4</sup>

- (i) The inspection of the Goods shall be carried out to check whether the Goods are in conformity with the technical specifications attached to the contract and shall be in line with the inspection/test procedures laid down in the Technical Specifications and the General Conditions of contract. Following broad test procedure will generally be followed for inspection and testing of machine. The supplier will dispatch the goods to the ultimate consignee after internal inspection testing along with the supplier's inspection report and manufacturer's warranty certificate. The purchaser will test the equipment after completion of the installation and commissioning at the site of the installation. For site preparation, as stated in Clause 21 of S.C.C. the supplier should furnish all details to the purchaser sufficiently in advance so as to get the works completed before receipt of the equipment. Complete hardware and software as specified in Section V should be supplied, installed and commissioned properly by the supplier prior to commencement of performance tests.
- (ii) The acceptance test will be conducted by the purchaser/their consultant or any other person nominated by the purchaser, at its option. The acceptance will involve trouble-free operation for seven consecutive days. There shall not be any additional charges for carrying out acceptance tests. No malfunction, partial or complete failure of any part of hardware or excessive heating of motors attached to printers, drivers etc. or bugs in the software should occur. All the software should be complete and no missing modules/sections will be allowed. The supplier shall maintain necessary log in respect of the results of the tests to establish to the entire satisfaction of the purchaser, the successful completion of the test specified. An average uptake efficiency of 90%<sup>5</sup> for the duration of test period shall be considered as satisfactory.
- (iii) In the event of the hardware and software failing to pass the acceptance test, a period not exceeding two weeks will be given to rectify the defects and clear the acceptance test, failing which the purchaser reserves the rights to get the equipment replaced by the supplier at no extra cost to the purchaser.

#### **3. Delivery and Documents (GCC Clause 9)**

Upon delivery of the Goods, the supplier shall notify the purchaser and the insurance company by cable/telex/fax the full details of the shipment including contract number, railway receipt number and date, description of goods, quantity, name of the consignee etc. The supplier shall mail the following documents to the purchaser with a copy to the insurance company:

- (i) Four<sup>6</sup> Copies of the Supplier invoice showing contract number, goods' description, quantity, unit price, total amount;

<sup>4</sup> \_\_\_\_\_  
<sup>5</sup> If third party inspection is proposed, give details here.

Modify as considered appropriate for each case.

<sup>6</sup> Modify if need

- (ii) Railway receipt/acknowledgment of receipt of goods from the consignee(s);
- (iii) Four<sup>7</sup> Copies of packing list identifying the contents of each package;
- (iv) Insurance Certificate;
- (v) Manufacturer's/Supplier's warranty certificate;
- (vi) Inspection Certificate issued by the nominated inspection agency, and the Supplier's factory inspection report; and

The above documents shall be received by the Purchaser before arrival of the Goods (except where the Goods have been delivered directly to the Consignee with all documents) and, if not received, the Supplier will be responsible for any consequent expenses.

#### **4. Incidental Services (GCC Clause 12)**

The following services shall be furnished and the cost shall be included in the contract price:

- a. Performance of the on-site assembly, commissioning and start-up of the equipment.
- b. Furnishing the detailed operation and maintenance manuals for each items of supply at each location.
- c. Training of the Purchaser's personnel at the Supplier's office or other facility, in the installation and operation of the computer hardware, utilities and all contracted software, as specified in the Clause 16 of S.C.C.
- d. Maintenance and repair of the equipment at each location during the warranty period including supply of all spares. This shall not relieve the supplier of any warranty obligations under this contract.
- e. Maintenance and/or repairs of the supplied goods for a period of three years after the end of the warranty period. The bidder should indicate the spares and their costs, if any, which are not included in the maintenance contracts.
- f. The Annual Maintenance Contract (AMC) will be comprehensive and will cover the cost of all the spare parts required for replacement/repair the computer system except consumable items like printer-bands, printer-ribbons, printer-heads, stationery etc. The AMC may be on regular basis to ensure the minimum downtime of the system. In other words AMC should assure 90%<sup>8</sup> uptime of all computer systems/peripherals

#### **5. Payment (GCC Clause 15).**

- (i) *On Final Acceptance*: Contract Price shall be paid to the supplier within 30 days after the date of the acceptance certificate issued by the Purchaser's representative for the respective delivery, commissioning and training
- (ii) Charges for incidental services mentioned in Clause 4(e) of SCC shall be paid after completion of Warranty i.e. after satisfactory completion of 1 years from the date of installation, commissioning and acceptance of the system in equal quarterly installments at the end of each quarter as per the rates quoted in the Price Schedule against a bank guarantee for 2.5% of the cost of the equipment excluding annual maintenance costs in the form provided in the tender documents valid for 36 months from the date of completion of Warranty period.

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<sup>7</sup>

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<sup>9</sup> Delete whichever is not

<sup>10</sup> Delete whichever is



## 6. Settlement of Disputes (Clause 27)

The dispute settlement mechanism to be applied pursuant to GCC Clause 27.2.2 shall be as follows:

- (a) In case of Dispute or difference arising between the Purchaser and a domestic supplier relating to any matter arising out of or connected with this agreement, such disputes or difference shall be settled in accordance with the Arbitration and Conciliation Act, 1996 by a Sole Arbitrator. The Sole Arbitrator should be appointed by agreement between the parties; failing such agreement, by the appointing authority namely the<sup>9</sup>Indian Council of Arbitration/President of the Institution of Engineers (India)/The International Centre for Alternative Dispute Resolution (India). A certified copy of the appointment Order shall be supplied to each of the Parties.
- (b) Arbitration proceedings shall be held at Jamkhandi Karnataka , India, and the language of the arbitration proceedings and that of all documents and communications between the parties shall be English.
- (c) The decision of the Arbitrator shall be final and binding upon both parties. The cost and expenses of Arbitration proceedings will be paid as determined by the Arbitrator However, the expenses incurred by each party in connection with the preparation, presentation etc. of its proceedings shall be borne by each party itself.

## 7. Notices (Clause 31)

For the purpose of all notices, the following shall be the address of the Purchaser and Supplier.

{To be filled}

Purchaser: .....

.....

.....

.....

Supplier: (To be filled in at the time of Contract signature)

.....

.....

.....

.....

## 8. Progress of Supply:

Supplier shall regularly intimate progress of supply, in writing, to the Purchaser as under<sup>10</sup>:

- Quantity offered for inspection and date;
- Quantity accepted/rejected by inspecting agency and date;
- Quantity dispatche /delivered to consignees and date;
- Quantity where incidental services have been satisfactorily completed with date;

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<sup>9</sup> Delete whichever is not

<sup>10</sup> Delete whichever is

- Quantity where rectification/repair/replacement effected/completed on receipt of any communication from consignee/Purchaser with date;
  - Date of completion of entire Contract including incidental services, if any; and
  - Date of receipt of entire payments under the Contract
- (in case of stage-wise inspection, details required may also be specified).

**9. Right to use defective equipment:**

If after delivery, acceptance and installation and within the guarantee and warranty period, the operation or use of the equipment proves to be unsatisfactory, the Purchase shall have the right to continue to operate or use such equipment until rectifications of defects, errors or omissions by repair or by partial or complete replacement is made without interfering with the Purchaser's operation.

**10. Supplier Integrity:**

The supplier is responsible for and obliged to conduct all contracted activities in accordance with the Contract using state-of-the-art methods and economic principles and exercising all means available to achieve the performance specified in the Contract.

**11. Supplier's Obligations:**

The Supplier is obliged to work closely with the Purchaser's staff, act within its own authority and abide by directives issued by the Purchaser and implementation activities.

The Supplier will abide by the job safety measures prevalent in India and will free the Purchaser from all demands or responsibilities arising from accidents or loss of life the cause of which is the Supplier's negligence. The Supplier will pay all indemnities arising from such incidents and will not hold the Purchaser responsible or obligated.

The Supplier is responsible for managing the activities of its personnel or sub-contracted personnel and will hold itself responsible for any misdemeanors.

The Supplier will treat as confidential all data and information about the Purchaser, obtained in the execution of his responsibilities, in strict confidence and will not reveal such information to any other party without the prior written approval of the Purchaser.

**12. Patent Rights:**

In the event of any claim asserted by a third party of infringement of copyright, patent, trademark or industrial design rights arising from the use of the Goods or any part thereof in the Purchaser's country, the supplier shall act expeditiously to extinguish such claim. If the supplier fails to comply and the Purchaser is required to pay compensation to a third party resulting from such infringement, the supplier shall be responsible for the compensation including all expenses, court costs and lawyer fees. The Purchaser will give notice to the supplier of such claim, if it is made, without delay.

**13. Site Preparation and Installation :**

The Purchaser is solely responsible for the construction of the hardware sites in compliance with the technical and environmental specifications defined by the Supplier. The Purchaser will designate the installation sites before the scheduled installation date to allow the Supplier to perform a site inspection to verify the appropriateness of the sites before the installation of the hardware.

**14. Hardware Installation:**

The Supplier is responsible for all unpacking, assemblies, wiring, installations, cabling between hardware units and connecting to power supplies. The Supplier will test all hardware operations and accomplish all adjustments necessary for successful and continuous operation of the hardware at all installation sites.

**15. Hardware Maintenance:**

The Supplier will accomplish preventive and breakdown maintenance activities to ensure that all hardware execute without defect or interruption for at least 98% uptime for 24 hours a day, 7 days a week of operation of the machine<sup>11</sup> worked on a quarterly basis.

If any critical component of the entire configuration is out of service for more than three days, the Supplier shall either immediately replace the defective unit or replace it at its own cost.

The Supplier will respond to a site visit and commence repair work on the equipment within 24 hours of being notified of equipment malfunction.

**16. Training:**

For each hardware and software component installed, the Supplier is required to train the designated Purchaser's technical and end-user personnel to enable them to effectively operate the total system. The training schedule will be agreed to by both parties during the performance of the Contract.

**17. Technical Documentation :**

The Technical Documentation involving detailed instruction for operation and maintenance is to be delivered with every unit of the equipment supplied. The language of the documentation should be English.

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<sup>11</sup>

Modify as considered appropriate for each tender.

**SECTION V: SCHEDULE OF REQUIREMENTS**

(To be inserted in the Tender Documents by the Purchaser, as applicable. The Schedule should cover, at a minimum, the required items, quantities, services, delivery period(s) and earnest money deposit.)

**Part – I**

<u>Serial</u>	<u>Brief</u>	<u>Delivery</u>	<u>EMD</u>
<u>Num</u>	<u>Descri</u>	<u>Schedule</u>	<u>in Rupees</u>
<u>ber</u>	<u>ption</u>		
01	Networking  (Detailed Descr iption In Anne xure- I	Delivery in  <u>Four</u> weeks/  months from  _____ * at  destination  (project site)	Rs.      /-

**Schedule II**

Skilled and trained staff

**Part – II (Incidental Services) \*\***

\* The Purchaser must specify here the date from which the date of delivery schedule will start. That date should be either the date of contract award, or the date of contract signature, of the date of opening of letter of credit, or the date of confirmation of the Letter of Credit, as appropriate. The Tender Form should include only a cross reference to this Schedule.

++ Specify the Incidental Services here : Laptops delivery period should be within the four weeks of contract award.

## SECTION - A

### SECTION VI – NETWORKING -TECHNICAL SPECIFICATIONS

Sr No.	Description of Goods	Qty	Unit
1	Firewall with Multiple ISP support, 16Nos 1G ethernet ports, 8Nos 1G SFP Ports, 4Nos 10G SFP+ Ports, 2Nos hardware accelerated ports, 480GB SSD and redundant power supply and Fortigate firewall security bundle UTM services for 3Year	1	No
2	Supply and Installation of 24Port Layer 3 manageable 100/1000 Mbps switch with 6port 10G SFP+ uplink ports	1	No
3	24Port 100/1000Mbps Manageable Layer 2 Manageable switch with 2port SFP+uplink	3	No
4	24Port 100/1000Mbps Manageable Layer 2 Manageable PoE switch with 4port SFP+ uplink	1	No
5	SFP+10G SM Twinax Cable	5	No
6	Wireless controller appliance based or Software based with required system to install the software	1	No
7	Wi-Fi 6, 11AX 2x2 indoor access Points with On Premises controller License	10	No
8	CAT6 Cable with laying	4270	Mtr
9	24Port CAT6 Patch Panel	4	No
10	CAT6 1Mtr Patch Cord	85	No
11	CAT6 2Mtr patch cord	85	No
12	CAT6 I/O with face plate and mounting box	75	No
13	12U Network rack with fan and power strip with Installation.	2	No
14	2" Cable duct with laying	250	Mtr
15	1" Casing capping/PVC pipe with laying	1400	Mtr
16	Accessories like bends, clamps, screws etc... as per site requirements	1	Lot
17	Installation, Configuration of network switches, VLAN configuration and documentation.	1	No

## **SECTION – VI B**

### **SECTION VII : QUALIFICATION CRITERIA**

(Referred to in Clause 11.2(b) of ITT)

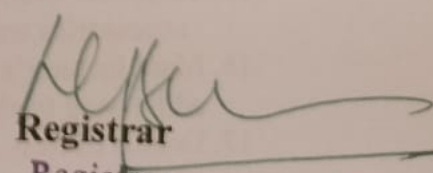
### **SECTION VII: QUALIFICATION CRITERIA**

1. The Tenderer should be a either proprietorship or partnership Firm or private Limited Company or Public Limited Company, Furnish the coy of Certificate Incorporation or partnership Deed or Registration copy with the appropriate authorities in support of the nature of organization.
2. The turnover of the company should be Rs.150.00 Lakhs or more for the last 3 finacial years i.e., 2022-23, 2023-24 and 2024-25. Furnish copy of the Annual Report. DULY SIGNED BY CA
3. The Tenderer shall submit the copy of income Tax Return filed with name Income Tax Authorities for the last 3 financial years 2022-23, 2023-24 and 2024-25. Relevant document should be submitted.
4. The Tenderer shall submit the copy of GST returns filed with the concerned authorities for the for last 3 year 2022-23, 2023-24 and 2024-25.
5. Each and every page of the tender document submitted/uploaded in KPPP portal shall be serially numbered and signed by the authorized signatory of the concerned Tenderer.
6. The tenderer shall furnish a Notary Certified Certificate about the firm is not black listed by any State/Central Government Departments.
7. Tender form to be filed and uploaded.
8. Offered model should be brand new. End-ofSale (EoS) announced model or model going to be EoS in next 12 months shoun't be quoted. Relevant document should be submitted.
9. Structured Cabling Solution should be from one single OEM/Brand to achieve optimum performance.
10. The quoted Brand & OEM should have direct presence in India Market for atleast 10 Years and Own L2 & L3 Tech Support & Repair Centers in India (Details should be shared).
11. OEM/Switch/OS should have IEC or equivalent Indian Cyber Securty compliance. Document to be attached.
12. OEM/Bidder should have ISO 9001:2015, ISO 27001:2013 Relevant document should be submitted.
13. Warranty-Min 3 Years warranty on Switch, Modules & Accessories with On-site installation, configuration & technical support by Bidder and 3 year for UTM.
14. Budder should have Registered/Branch office in the Karnataka state. Details should be shared
15. Technical Compliance Sheet, Technical BoM with Ordering Info for all components and accessories and Datasheets should be submitted.
16. Manufacturer's Authorization Form (MAF), specified for this tender, should be submitted addressing tender authority
17. Details of technical Man Power possessed by the bidder with full details of qualification, experience should be submitted.
18. The Bidder should be a registered company. Relevant document to be furnished.
19. The Bidder should furnish GST and PAN certificate.
20. Technical compliance to be backed with documentary evidence.
21. Awarding the Job will be based on technical ranking combined with commercial ranking.
22. The Bidder should have executed similar nature of one work in any of the

- Universities/PSU/Government organizations in Karnataka, order value not less than Rs.50,00,000, in the past 3 years. Documentary proof to be submitted.
23. Bidder/OEM should provide escalation matrix defining who should handle incidents at each escalation level with names and contact details for each level.
24. Un-Price Bid has to be uploaded along with the technical bid.
25. The tenderer before participation I tender should visit the site and upload the site visit inspection report document duly signed by the Bagalkot University, Jamkhandi, concerned authorities Without fail.
26. Technical Bid-Annexure-1
27. Annual Turnover: The annual financial turnover during the last 3 financial years should be at least three times the project cost. A turnover certificate issued by a Chartered Accountant (CA) must be submitted.
28. Experience Certificate: The bidder must submit an experience certificate demonstrating Completion of similar services that meet any of the following criteria:

**A. Instructions for the Bidders:**

- a) Bidders are required to visit the site prior to submitting their bids to gain a comprehensive understanding of the site requirements and conditions that may affect the execution of the work. A certificate confirming the site visit must be obtained and uploaded on the GeM portal along with the compliance report during the bedding process. Failure to undertake a site visit or upload the certificate will result in the rejection of the submitted bid, and such bids will not be considered for further evaluation. Appointments can be scheduled by emailing.
- b) If, requested, the bidder must provide a demo of the product, and the request will be communicated via email. Failure to demonstrate the product with the quoted specifications and quality within the specified time frame will lead to the bidder's technical disqualification.
- c) Bidders are advised to follow the instructions provided in the 'Instructions to the Bidders for the e-submission of the bids online.
- d) Bid documents may be scanned with 100 dpi with black and white option which helps in reducing size of the scanned document.
- e) Manufacturer authorization certificate: The bidders have to submit OEM Authorization Letter for FIREWALL, SWITCHES, WI-FI and passive items mentioning Tender/Bid Reference No. in the Authorization Letter, otherwise offer will not be considered and same will be rejected.
- f) Bidder should propose the TEC approved products only.
- g) Duly Signed Bid annexures.
- h) The tender can be terminated / cancelled at any time without any reasons.

  
Registrar

Registrar  
Bagalkot University  
(State Public University of Govt. of Karnataka)  
Jamkhandi-587301, Dist. Bagalkot.

**SECTION VIII: TENDER FORM**

Date :.....

IFT No :.....

TO:

The Registrar

Bagalkot University,

Jamkhandi

Gentlemen and/or Ladies :

Having examined the Tender Documents including Addenda Nos ..... [insert numbers], the receipt of which is hereby duly acknowledged, we, the undersigned, offer to supply and deliver Laptops (*Description of Goods and Services*) in conformity with the said tender documents for the sum of---- Lakhs (*Total tender amount in words and figures*) or such other sums as may be ascertained in accordance with the Schedule of Prices attached herewith and made part of this tender.

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

If our tender is accepted, we will obtain the guarantee of a bank in a sum equivalent to.....percent of the Contract Price for the due performance of the Contract, in the form prescribed by the Purchaser.

We agree to abide by this tender for the Tender validity period specified in Clause 14.1 of the ITT and it shall remain binding upon us and may be accepted at any time before the expiration of that period.

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

We undertake that, in competing for (and, if the award is made to us, in executing) the above contract, we will strictly observe the laws against fraud and corruption in force in India namely —Prevention of Corruption Act 1988.

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

We clarify/confirm that we comply with the eligibility requirements as per ITT Clause 1 of the tender documents.

Dated this ..... day of ..... ..

\_\_\_\_\_  
(signature)

\_\_\_\_\_  
(in the capacity of)

Duly authorized to sign Tender for and on behalf of

\_\_\_\_\_



**PRICE SCHEDULE**

S c h e d u l e  N o .	Item Descripti on	Qu anti ty and Uni t	Price for each Unit					T o t a l  P r i c e  3 x 5
			Ex- factory/ Ex- warehou se/Ex - showroo m/off the shelf	E x c i s e d u t y i f a n y	Inland transportati on , insuranc e and other local costs incidenta l to delivery	Sal es and oth er tax es pay abl e if con trac t aw ard ed	Unit Price (4+5+6+7 )	
1	2	3	4	5	6	7	8	9

**Note: In case of discrepancy between unit price  
and total price, the unit price will prevail**

Total tender price in Rs (Words).....  
.....

Signature of Tenderer .....

Name and address: .....

## **SECTION IX: EARNEST MONEY DEPOSIT BANK GUARANTEE FORM**

Whereas .....<sup>1</sup> (*hereinafter called "the Tenderer"*) has submitted its tender dated..... (*date of submission of tender*) for the supply of ..... (*name and/or description of the goods*) (hereinafter called —the Tenderer).

KNOW ALL PEOPLE by these presents that WE ..... (*name of bank*) of ..... (*name of country*), having our registered office at ..... (*address of bank*) (hereinafter called —the Bank), are bound unto ..... (*name of Purchaser*) (hereinafter called —the Purchaser) in the sum of \_\_\_\_\_ for which payment well and truly to be made to the said Purchaser, the Bank binds itself, its successors, and assigns by these presents. Sealed with the Common Seal of the said Bank this \_\_\_\_ day of \_\_\_\_\_ 20 \_\_\_\_.

THE CONDITIONS of this obligation are:

1. If the Tenderer
  - (a) withdraws its Tender during the period of tender validity specified by the Tenderer on the Tender Form; or
  - (b) does not accept the correction of errors in accordance with the ITT; or
2. If the Tenderer, having been notified of the acceptance of its tender by the Purchaser during the period of tender validity:
  - (a) fails or refuses to execute the Contract Form if required; or
  - (b) fails or refuses to furnish the performance security, in accordance with the Instruction to Tenderers;

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

This guarantee will remain in force up to and including forty five (45) days after the period of the tender validity, and any demand in respect thereof should reach the Bank not later than the above date.

.....  
(Signature of the Bank)

<sup>1</sup> \_\_\_\_\_  
*Name of Tenderer*

**SECTION X: CONTRACT FORM**

**THIS AGREEMENT** made the .....day of....., 20... Between..... (*Name of purchaser*) of.....(*Country of Purchaser*) (hereinafter called "the Purchaser") of the one part and ..... (*Name of Supplier*) of ..... (*City and Country of Supplier*) (hereinafter called "the Supplier") of the other part :

**WHEREAS** the Purchaser is desirous that certain Goods and ancillary services viz., ..... (*Brief Description of Goods and Services*) and has accepted a tender by the Supplier for the supply of those goods and services in the sum of ..... (*Contract Price in Words and Figures*) (hereinafter called "the Contract Price").

**NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:**

1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract referred to.
2. The following documents shall be deemed to form and be read and construed as part of this Agreement, viz.:
  - (a) the Tender Form and the Price Schedule submitted by the Tenderer;
  - (b) the Schedule of Requirements;
  - (c) the Technical Specifications;
  - (d) the General Conditions of Contract;
  - (e) the Special Conditions of Contract; and
  - (f) the Purchaser's Notification of Award.
3. In consideration of the payments to be made by the Purchaser to the Supplier as hereinafter mentioned, the Supplier hereby covenants with the Purchaser to provide the goods and services and to remedy defects therein in conformity in all respects with the provisions of the Contract.
4. The Purchaser hereby covenants to pay the Supplier in consideration of the provision of the goods and services and the remedying of defects therein, the Contract Price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract.

Brief particulars of the goods and services which shall be supplied/provided by the Supplier are as under:

SL.	BRIEF	QUANTITY TO	UNIT	Total	DELIVERY TERMS
NO	DESCRIPTION OF	BE SUPPLIED	PRICE	Price	
	GOODS & SERVICES				

---

**TOTAL VALUE:**

**DELIVERY SCHEDULE:**

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**IN WITNESS** whereof the parties hereto have caused this Agreement to be executed in accordance with their respective laws the day and year first above written.

Signed, Sealed and Delivered by the said (For the  
Purchaser)

in the presence of:.....

Signed, Sealed and Delivered by the said (For  
the Supplier)

in the presence of:.....

**SECTION XI/1. PERFORMANCE SECURITY BANK GUARANTEE FORM**

To: \_\_\_\_\_ (Name of Purchaser)

**WHEREAS**.....(Name of Supplier)

hereinafter called "the Supplier" has undertaken , in pursuance of Contract No..... dated,.....  
20... to supply ..... (Description of Goods and Services) hereinafter  
called "the Contract".

**AND WHEREAS** it has been stipulated by you in the said Contract that the Supplier shall furnish you  
with a Bank Guarantee by a recognized bank for the sum specified therein as security for compliance with  
the Supplier's performance obligations in accordance with the Contract.

**AND WHEREAS** we have agreed to give the Supplier a Guarantee:

**THEREFORE WE** hereby affirm that we are Guarantors and responsible to you, on behalf of the  
Supplier, up to a total of ..... (Amount of the Guarantee in  
Words and Figures) and we undertake to pay you, upon your first written demand declaring the Supplier to  
be in default under the Contract and without cavil or argument, any sum or sums within the limit of  
..... (Amount of Guarantee) as aforesaid, without your needing to prove or to show  
grounds or reasons for your demand or the sum specified therein.

This guarantee is valid until the .....day of.....20.....

Signature and Seal of Guarantors

.....

.....

.....

Date.....20....

Address:.....

.....

.....

## **SECTION XI/2- ANNUAL MAINTENANCE SECURITY BANK GUARANTEE FORM**

(To be stamped in accordance with Stamp Act if any, of the Country of the Issuing

Bank) Bank Guarantee No.: ..... Date:.....

To..... (Name of the Purchaser)

Whereas ..... (Name of the Purchaser) hereinafter called "the Supplier" has undertaken, in pursuance of contract No..... dated..... 20....to supply .....(Description of Goods and Services) hereinafter called "the Contract".

AND WHEREAS it has been stipulated by you in the said contract that the Supplier shall furnish you with a Bank Guarantee by a recognised Bank for the sum specified therein as security for compliance with the Supplier's performance obligations under the contract for Annual Maintenance and Repairs of the entire system including cost of spares after warranty period for next five years.

AND WHEREAS we have agreed to give the Supplier a Guarantee.

THEREFORE WE hereby affirm that we are Guarantors and responsible to you on behalf of the Supplier, up to a total of Rs.....(Amount of guarantee in words and figures) being 2.5% of the total cost of equipment and we undertake to pay you, upon your first written demand declaring the Supplier to be in default under the contract and without cavil or argument, any sum or sums within the limit of Rs. .... (Amount of guarantee) as aforesaid, without your needing to prove or to show grounds or reasons for your demand or the sum specified therein.

This guarantee is valid until ..... day of ..... 20.....

Signature and Seal of Guarantors

.....

.....

Date: .....

20.....

NOTE:

1. SUPPLIERS SHOULD ENSURE THAT SEAL AND CODE No. OF THE SIGNATORY IS PUT BY THE BANKERS, BEFORE SUBMISSION OF THE BANK GUARANTEES.

**SECTION XII**

(Please see Clause 11.2 (b) (ii) of the Instructions to Tenderers)

Proforma for Performance Statement for the last three years

IFT No..... Date of Opening..... Time ..... Hours

Name of the Firm:

.....

Orders placed by (Full address of Purchaser)	Ordered No and Date	Description and Quantity of Goods ordered	Value of Order	Date of Completion of Delivery As per contract/ Actual	Remarks indicating reasons for late delivery, if Any	Has the goods/equipment been satisfactorily functioning. (Attach a Certificate from the Purchaser)
1	2	3	4	5	6	7

---

 Signature and Seal of the Tenderer:

**SECTION XIII:- MANUFACTURERS' AUTHORIZATION FORM\***

(Please see Clause 11.2(a) of Instructions to Tenderers)

No. \_\_\_\_\_ dated

To

Dear Sir:

IFT No.

We \_\_\_\_\_ who are established and reputable manufacturers of \_\_\_\_\_ *(name and description of goods offered)* having factories at \_\_\_\_\_ *(address of factory)* do hereby authorize M/s \_\_\_\_\_ *(Name and address of Agent)* to submit a tender, and sign the contract with you for the goods manufactured by us against the above IFT.

No company or firm or individual other than M/s \_\_\_\_\_ are authorized to tender, and conclude the contract for the above goods manufactured by us, against this specific IFT. *(This para should be deleted in simple items where manufacturers sell the product through different stockists.)*

We hereby extend our full guarantee and warranty as per Clause 14 of the General Conditions of Contract for the goods and services offered for supply by the above firm against this IFT.

Yours faithfully,

(Name)

(Name of manufacturers)

Note: This letter of authority should be on the letterhead of the manufacturer and should be signed by a person competent and having the power of attorney to legally bind the manufacturer. It should be included by the Tenderer in its tender.

\* Modify this format suitably in case where manufacturer's warranty and guarantee are not applicable for the items for which bids are invited.



**SECTION XIV-CAPABILITY STATEMENT (COMPUTER SYSTEMS)**

1. Name & Address of the Tenderer Phone:
2. Classifications
  - (1) Manufacturer
  - (2) Authorized Agent
  - (3) Dealer
  - (4) Others (please specify)
3. Plant:
  - (a) Location
  - (b) Description, Type & size of building
  - (c) Is property on lease or free hold? If on lease indicate date of expiry of lease in such case
4. Type of equipment manufactured and supplied during last 2 years.

Name of equipment	Capacity/ Size	Nos. manu- factured	Nos. of orders on hand

5. Types of equipment supplied during last 2 years other than those covered under 4 above.

Name of equipment	Capacity size and model	Name of Manufacturer	Total Nos. supplie d in India	No. of orders on hand

6. Turnover for similar equipment's sold in last two years.

7. Details of Testing facilities available

- a) List testing equipment available
- b) Give details of tests which can be carried out on items offered.
- c) Details of the testing organization available

## 8. Personnel/Organization:

Give Organization chart for following indicating clearly the No. of employees at various levels.

1. Quality assurance
2. Production
3. Marketing
4. Service
5. Spare parts
6. Administrative

## 9. Nearest service centres to each of the destination installations:

Location \_\_\_\_\_

Phone No. \_\_\_\_\_

Year of Establishment \_\_\_\_\_

## 10. Details of Organization at Service Centre

- a) No. of skilled employees \_\_\_\_\_
- b) No. of Unskilled employees \_\_\_\_\_
- c) No. of Engineering employees \_\_\_\_\_
- d) No. of Administrative employees \_\_\_\_\_
- e) List of special repair/workshop facilities available \_\_\_\_\_
- f) The storage space available for spare parts (sq.m.) \_\_\_\_\_
- g) Value of minimum stock of spares available at all the service centres in respective currency \_\_\_\_\_
- h) Value of the modes/types by number of equipment serviced by the centre in the last 2 years \_\_\_\_\_

## 11. Names of two buyers to whom similar equipment was supplied in the past and to whom reference may be made by the Purchaser regarding the bidder's technical and delivery ability.

- 1) \_\_\_\_\_
- 2) \_\_\_\_\_

## 12. Technical Details (Clause 12 of ITT)

*(This is a sample and needs to be changed appropriately for each tender)*

Note : These details should be furnished separately for each type of PC, Software and Hardware in the Schedule of Requirements.