

TENDER NO: ICSIL/01/203/HW,SW OEM EMPENL/2012-13, Dated : 18.05.2012

1. Sealed Bids are invited for empanelment of OEMs of(called as bidders) various makes of desktop, workstation, systems servers, mini notebooks & thin clients, systems software, packaged software, proprietary and patented software, networking equipment and related items, UPS for supply to various Govt. Depts., institutions, universities and autonomous bodies on rate contract basis on competitive rates. The OEMs shall supply, test, install and commission the requisite hardware, software and other related items directly or through their authorized business partner/s to the clients against the purchase order issued by ICSIL.
2. Intelligent Communication Systems India Ltd. (ICSIL) is a joint venture of Telecommunication Consultants India Ltd. (TCIL), a govt. of India enterprise, under ministry of communications & IT and Delhi State Industrial and Infrastructure Development Corporation (DSIIDC), an undertaking of Delhi Government. From 1987, the year of its inception, it has provided exemplary service in the IT sector, specializing in providing complete solutions in computerization, networking and telecommunication, procurement of hardware, software, networking equipment and other related items for various government departments. With a well-focused vision and a global mission, ICSIL looks at greener pastures across the globe and ICSIL has entered into MOU with various implementing partners for undertaking various IT activities.
3. ICSIL intends to have a panel of bidders to cater to requirement of various govt. departments from time to time. The empanelment will be for an initial period of one year which may be extended for another one year with mutual consent. The empanelled vendors will supply the requisite items at the rates finalized through tender during the period of empanelment/extended empanelment from empanelled OEMs. The panel is to be for individual work order value of Rs 25 Lacs or below. The above said amount is per order and not individual items in an order. ICSIL reserves the right to go for open tender for order exceeding Rs.25 Lacs.
4. Delivery should be within 15 days of the confirmation of order. Best competitive rates will be accepted from empanelled OEMs.
5. **The bid is open to all eligible OEMs, subject to fulfilling the following eligibility criteria (documentary proof to be attached with the Tender):**
6. **ELIGIBILITY CRITERIA:**
 - i. A Bidder should be a manufacturer of quoted items for last three years. All bidders shall submit proof thereof. The OEMs shall submit complete details of their business partner(s) to whom they wish to authorize on their behalf.

- ii. The bidder shall quote details for all available number of configurations of desktops, servers, workstations, mini notebook, thin client and other items etc., for particular segment as mentioned in Annexure-I to Annexure-XXII (a to c). However, bidder must also **quote for the relevant optional (additional) items mentioned in Annexure–XI** for respective quoted configuration.
- iii. The OEMs should be an ISO 9001:2008 or higher level certified Company in respect of hardware, software and UPS. The bidder should enclose a copy of Quality Certificate from a globally recognized Institution for their manufacturing / assembly / system integration facilities anywhere located in India or abroad.
- iv. The OEM's Turnover:
 - a) Computer & other hardware systems: Annual Sales turnover from **sale of computer and other hardware systems** should be at least Rs.100 **crores (Rupees One Hundred crores)** during each financial year i.e. 2008-09 & 2009-10, & 2010-2011.
 - b) for software should be Rs.50 crores for each financial year i.e. 2008-09 & 2009-10, & 2010-2011.
 - c) For UPS OEMs the annual turnover for 2008-9, 2009-10, 2010-11 should be Rs. 10 crores each from the sale of UPS.

The turnover refers to a company i.e. the OEMs and not the composite turnover of its subsidiaries/sister concerns etc. Bidders must submit copy of audited balance sheet as proof of turnover, highlighting the turnover part along with CA certificate.
- v. The bidder must have country wide infrastructure support in the form of direct OEM service centers or service centers of franchises in Delhi. The bidders must indicate their business model for providing warranty and after sales support in the format given in Annexure–XX (Bidder's Profile).
- vi. The company registration number of the OEM along with the CST/VAT allotted by the Sales Tax Department, as well as PAN number of the firm allotted by the Income Tax Department should be submitted, failing which bidder's bid would become invalid & shall be rejected.
- vii. Attested copies of Articles of Association (in case of registered firm), by laws & certificates of registration (in case of registered co-operative societies), partnership deed (in case of partnership firm) should be submitted.
- viii. The bidder should be registered with Service tax department of the Government of India. Enclose copy of the valid Registration Number.
- ix. A self certificate that the bidder has not been black listed by any institution of the Central/State government in the past three years, is to be submitted.
- x. The bidders shall submit the technical literature and international comparative ratings for each quoted product.
- xi. The Bidders are requested to furnish documents to establish their eligibility (indicating the page number in the bid) for each of the above clauses. Relevant portions, in the documents submitted in pursuance of eligibility criterion

mentioned above, should be highlighted. If tender is not accompanied by all the above documents mentioned, the same would be rejected. **Undertaking for subsequent submission of any of the above document will not be entertained. However, ICSIL reserves the right to seek fresh set of documents or seek clarifications on the already / submitted documents. All documents should be submitted in hardcopy (one set) as well as softcopy (one set on read only DVD).**

xii. Upon verification, evaluation / assessment, if in case any information furnished by the Bidder is found to be false / incorrect or incomplete, their bid shall be summarily rejected and no correspondence on the same shall be entertained.

xiii. **THE BID SUBMITTED BY ANY BIDDER NOT FULFILLING THE ELIGIBILITY CONDITIONS / CRITERIA STIPULTED ABOVE, WILL NOT BE CONSIDERED.**

7. TENDER TIMELINES

S.No	Activity Description	Date & Time
1.	Pre-bid meeting	28/05/2012 at 3:00 PM.
2.	Submission of written queries - through e-mail	06/06/2012 by 6:00 PM.
3.	Clarification to queries - through e-mail	11/06/2012 by 4:00 PM.
4.	Last date for submission of bid	18/06/2012 by 3:00 PM.
5	Opening of Technical Bid	18/06/2012 by 4:00 PM.

8. EVALUATION OF BIDS

- i. A duly constituted Technical Evaluation Committee (TEC) will first select Bidders on the basis of eligibility criteria of this Tender. The Bids conforming to the eligibility criterion will be considered for opening of technical bid.
- ii. During Technical Evaluation or there after the quoted product may be physically verified for the required tender specifications, tested for reliability, functionality, benchmarking and other features if required by the TEC. In case, TEC decides to inspect the equipments at OEM's premises, the expenditure on travel will be borne by **ICSIL**.
- iii. If during the technical evaluation, any of the System fails then no subsequent chance will be given to the Bidder.
- iv. **Financial Bids will be invited at the later stage for empanelled bidders.**
- v. In their own interest the bidders are advised to ensure that the desktop, workstation systems, mini notebook, thin clients or any other items brought by them for evaluation conform to all tendered technical parameters/specifications and are functional. Systems not meeting complete tender specifications will not be considered for evaluation.
- vi. Once the make, model of all OEMs are compiled and shortlisted, all selected empanelled vendors will be asked to quote prices for each of them subsequently through ICSIL may, if desire, negotiate with L2, L3, L4 OEMs (Subject to price variation up to 20% of L1 rate) OEMs to bring their prices at par with the lowest quoted price (L1) of similar specification.
- vii. OEMs shortlisted, may authorize one of their business partner.

Service providers to act on their behalf to supply their products to ICSIL on the approved rates during the contract/extend period. Such authorized business partners.

Service providers should have valid manufacturers authorized form from respective OEMs, failing which the same will not be accepted.

9. EMPANELMENT OF BIDDERS

- i. The empanelment under this tender, is exclusively for the procurements proposed to be made by **ICSIL** during the validity of the Tender or its extended period of validity.
- ii. The panel will be valid for a period of 12 (Twelve) months in the first instance from the date of empanelment. It may be extended for a further period of 12(Twelve months) depending upon the need of **ICSIL** with mutual consent.
- iii. The inclusion or exclusion of any item of OEMs shall be done on quarterly basis by ICSIL. ICSIL will invite rates from empanelled bidders on quarterly basis and is mandatory for empanelled vendor to respond.
- iv. All empanelled Bidders shall have to enter into a written agreement with **ICSIL** for honoring all tender conditions and adherence to all aspects of fair trade practices in executing the purchase orders placed by **ICSIL** on behalf of its client departments.
- v. **In addition to the mandatory information above, the following information should also be part of the Tender:**
 - a) Index of the contents.
 - b) Brief description of the OEM including infrastructure available, location of the Plant, Testing & R&D Centre etc.
- vi. **The tender shall be valid for a period of 180 days from the date of submission.**
- vii. The Department reserves the right to suspend the short listing process, accept or reject any or all tender at any stage of the process and or modify the entire process or any part thereof at any time without assigning any reason whatsoever.
- viii. Bids can be submitted in hardcopy (one set) and Soft Copy (one set) latest by 18.06.2012 by 3:00 p.m. in ICSIL office as given above.
- ix. Pre- Bid Meeting will be held on **28.05.2012 by 3:00 p.m.** at ICSIL office. All other modification / Corrigendum's in future will be published on our web-site [http:// icsil.in](http://icsil.in) only.
- x. For any clarification, bidders may contact Mr. K S Bist, in the ICSIL office.
- xi. A certificate to the effect that the prices being offered are not higher than the prices offered to any government department is to be given by every bidder. In case, if at any point of time it is found that the rates offered to ICSIL are higher than the rates offered to other Dept., OEM will be depanelled from the empanelled list.

Managing Director
Intelligent Communication Systems India Ltd. (ICSIL)

Annexure-I

Format for Desktop, Work Stations, Servers, NoteBooks etc.

Make:

Model:

Whether Entry, Middle or Higher Level:

Important: Pl. give detail configuration for entry, middle and higher level machines in each category.

S. No.	Item Description	Complete Description of specifications
1	Processor	
2	Motherboard & Chipset	
3	Video	
4	Network	
5	Ports	
6	HDD Controller	
7	Sound Controller	
8	Memory	
9	Storage	
10	Optical Drive	
11	Keyboard & Mouse	
12	Monitor	
13	Power Management & DMI	
14	System Chassis	
15	OS Support & Certification	
16	Accessories	

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Database Server

Make:**Model:****Whether Entry, Middle or Higher Level:**

Sr. No	Parameter	Specifications
1	Form Factor / Dimension	
2	Weight	
3	Heat Dissipation	
4	Power Requirement	
5	Power Specification	
6	Current Rating	
7	Number, Rating, Type of power points required	
8	Operating temperature range	
9	Operating Humidity range (non-condensing)	
10	Quantity	
11	Performance Ratings of server (Audited/ Estimated)	
12	TPMC	
13	Processor	
	No. of Processors proposed	
14	Max No. of Processors supported in the server	
	Processor Type RISC/EPIC	
	32-bit or 64-bit Architecture	
	Clock speed of proposed Processor	

	Max. Clock speed Processor supported on the server	
	Does the proposed server have a Dedicated service processor	
	If yes, does the server have a redundancy for the service processor	
	Support for Online deallocation of failed Processor without disruption of services or reboot	
	Cache Memory	
	Size of L1 Cache	
15	Size of L2 Cache	
	Size of L3 Cache	
	L1 Cache is Internal or External to the Processor	
	L2 Cache is Internal or External to the Processor	
	L3 Cache is Internal or External to the Processor	
	Cache Memory Type	
	Motherboard chipset of the proposed server	
	Main Memory	
16	Proposed Memory size	
17	Size of proposed Memory module	
	No. of memory slots populated	
	Max. size of memory module available for the proposed server	
	Total number of memory slots available	
	Max. Memory size supported	
	Proposed Main Memory Type	
	Support for multiple bit error detection / correction of memory faults	
	Main Memory Type	

	Main Memory Bus Speed	
	Main Memory Bandwidth	
	Support for Online deallocation of failed Main Memory without disruption of services or reboot	
	I/O	
	No. of 64-bit PCI Slots proposed	
18	No. of populated 64-bit PCI slots	
	Max. No. of PCI slots supported on the server	
	Bus speed of proposed PCI slot	
	Throughput of PCI slots proposed	
	Hot Pluggable PCI slots	
	System I/O bandwidth	
	Internal Disks	
	Type of disk proposed	
20	Disk capacity	
	Disk Speed	
	No of disks proposed	
	Are Proposed Disks Hot Swappable?	
	Max. no. of Disks supported in the proposed server	
	Max. Internal Storage Capacity of Proposed server	
	Mean Time Between Failures (MTBF) of proposed Disks	
	DVD Drive	
	Optical Drive Proposed	
21	Drive Speed Proposed	
	No. of drives proposed	

	Is drive writeable / re-writeable?	
	Controller Type	
	Network	
	Type of Ethernet controller proposed	
22	I/O Slot used by Ethernet controller	
	No. of Ethernet Controllers proposed	
	No. of ports on each Ethernet controller proposed	
	Dual Homing proposed	
	Host based Adapters	
	Type of HBA proposed	
23	Throughput of each of the proposed HBA	
	I/O Slot used by HBA	
	No. of HBA proposed	
	No. of ports on each HBA proposed	
	Capability to dynamically load balance between multiple HBA	
	Support for storage subsystems of leading manufacturers like EMC, Hitachi, HP, IBM, SUN etc.	
	Power Supply	
	Hot Swappable Power supply proposed	
24	(N+1) redundant power supply proposed	
	Dual AC input proposed	
	Cooling Fans	
	Hot Swappable Cooling Fans proposed	

25	(N+1) redundant Cooling Fans proposed	
	Partitions	
	Max. No. of independent Environments (Software / Logical partitions) supported on this server	
26	Support for Dynamic Reallocation of Processor resources from one partition to others without disruption or reboot	
	Support for Dynamic Reallocation of Memory resources from one partition to others without disruption or reboot	
	Support for Dynamic Reallocation of I/O resources from one partition to others without disruption or reboot	
	Capability to assign dedicated Processor resources to partitions.	
	Capability to assign dedicated Memory resources to partitions.	
	Cluster	
	Should be configured in active passive mode using Oracle 10g	
27	Support for Oracle 10g	
	Should support running of multiple instances of Oracle 10g database	
	Should support non-intrusive TCP connection failover	
	Type of Cluster interconnect used	
	Throughput of each of the proposed Cluster Interconnect	
	Number of cluster interconnects	

	Total Throughput of all the proposed Cluster Interconnects put together	
	Operating Systems supported on this server	
	Operating System proposed is compliant with Oracle 10g Database	
	Operating System	
	Operating Systems proposed on this server	
28	Support	
	Is any of the components / sub-components of the proposed server at End-of-life or will reach End-of-life in the next 24 months?	
30	Will any of the components / subcomponents of the proposed server reach End-of-life during the currency of contract?	
	Will any of the components / subcomponents of the proposed server reach End-of-support during the currency of contract?	
	Remote Management	
	Other	
31	Automatic Server Recovery	
32	Redundant / adaptive load balancing NIC support	

Note: PI provide information w.r.to Blade Servers also for all type of Servers.

APPLICATION SERVER

MAKE:

MODEL:

Whether Entry, Middle or Higher Level:

Sr. No	Parameter	Compliance to Parameters (to be filled by bidders)	Details / Remarks, if any
1	Form Factor/ Dimension		
2	Weight		
3	Heat Dissipation		
4	Power Requirement		
5	Power Specification		
6	Current Rating		
7	Number, Rating, Type of power points required		
8	Operating Temperature range		
9	Operating Humidity range (non-condensing)		
10	Quantity		
11	Processor		
	No. of Processors proposed		
13	Max No. of Processors supported in the		
	Processor Type		
14	Clock speed of proposed Processor		
	Max. Clock speed Processor supported on the		
	Does the proposed server have a Dedicated		
	If yes, does the server have a redundancy for		
	Support for Online deallocation of failed		
	Cache Memory		
	Size of L1 Cache		
	Size of L2 Cache		
	Size of L3 Cache		
15	L1 Cache is Internal or External to the		
	L2 Cache is Internal or External to the		
	L3 Cache is Internal or External to the		
	Cache Memory Type		
	Motherboard chipset of the proposed server		
	Main Memory		
	Proposed Memory size		
	Size of proposed Memory module		
16	No. of memory slots populated		

17	Max. size of memory module available for the		
	Total number of memory slots available		
	Max. Memory size supported		
	Proposed Main Memory Type		
	Support for multiple bit error detection / correction of memory faults		
	Main Memory Type		
	Main Memory Bus Speed		
	Main Memory Bandwidth		
	Support for Online deallocation of failed Main Memory without disruption of services or reboot		
	I/O		
	No. of PCI Slots proposed		
	No. of populated PCI slots		
	Max. No. of PCI slots supported on the server		
18	Bus speed of proposed PCI slot		
	Throughput of PCI slots proposed		
	Hot Pluggable PCI slots		
	System I/O bandwidth		
	Internal Disks		
19	Type of disk proposed		
	Disk capacity		
	Disk Speed		
	No of disks proposed		
	Are Proposed Disks Hot Swappable?		
	Cache Memory		
	Max. no. of Disks supported in the proposed server		
	Capacity / speed of disks supported on the server		
	Max. Internal Storage Capacity of Proposed server		
	Mean Time Between Failures (MTBF) of proposed Disks		

	Average Seek Time of the proposed Disks		
	Average Latency Time of the proposed Disks		
21	DVD Drive		
	Optical Drive Proposed		
	Drive Speed Proposed		
	No. of drives proposed		
	Is drive writeable / re-writeable?		
	Controller Type		
22	Network		
	Type of Ethernet controller proposed		
	I/O Slot used by Ethernet controller		
	No. of Ethernet Controllers proposed		
	No. of ports on each Ethernet controller proposed		
	Dual Homing proposed		
23	Power Supply		
	Hot Swappable Power supply proposed		
	(N+1) redundant power supply proposed		
	Dual AC input proposed		
24	Cooling Fans		
	Hot Swappable Cooling Fans proposed		
	(N+1) redundant Cooling Fans proposed		
25	Operating System		
	Operating Systems proposed on this server		
	Operating Systems supported on this server		
26	Any other software proposed (provide details)		
27	Support		
	Is any of the components / sub-components of the proposed server at End-of-life or will reach End-of-life in the next 24 months?		

	Will any of the components / sub-components of the proposed server reach End-of-life during the currency of contract?		
	Will any of the components / sub-components of the proposed server reach End-of-support during the currency of contract?		
30	Remote Management		
31	Other		
	Automatic Server Recovery		
	Redundant / adaptive load balancing NIC support		

FOR SALE

Load Balancer

MAKE:

MODEL:

Whether Entry, Middle or Higher Level:

Sr. No	Parameter	Compliance
1	Form Factor/ Dimension	
2	Weight	
3	Heat Dissipation	
4	Power Requirement	
5	Power Specification	
6	Current Rating	
7	Number, Rating, Type of power points required	
8	Operating Temperature range	
9	Operating Humidity range (non-condensing)	
10	Quantity	
11	Type of Load Balancer	
12	Processor	
13	Type of processor	
14	No. of Processors	
15	Main Memory	
	Proposed Memory size	
	Support for multiple bit error detection / correction of memory faults	
16	Ports	
	No. of Gb ports	
	No. of Ethernet Ports	
17	Active-active Layer 5 Adaptive Session Redundancy,	
18	Virtual IP Redundancy	
19	Services Supported	

20	Routing Protocols supported	
21	Performance Parameters	
	Throughput	
	No. of concurrent sessions supported	
	No. of SSL connections per sec	
	SSL Bulk encryption rate	
22	Redirection Capabilities	
23	Support security policies based on any	
24	Support Network Address Translation	
25	Session awareness based on Cookies,	
26	Capability of content switching based	
27	Power Supply	
	Hot Swappable Power supply proposed	
	(N+1) redundant power supply	
28	Cooling Fans	
	Hot Swappable Cooling Fans proposed	
	(N+1) redundant Cooling Fans	
29	Support	
	Is any of the components / sub-	
	Will any of the components / sub-	
	Will any of the components / sub-	
30	Certified by Oracle for compatibility with	
31	Switching Capability	
32	No. of routing table support	

SAN/RAS Switches

Type of Switch:

MAKE:

MODEL:

Whether Entry, Middle or Higher Level:

S.NO	SPECIFICATION	Addl. information
1	No .of Ports	
2	Throughput	
3	Bandwidth	
4		

NETWORK SWITCHES (CORE SWITCH)

MAKE:

MODEL:

Whether Entry, Middle or Higher Level:

S.NO	SPECIFICATIONS	Addl. Information
1	No of Slots	
2	support resilience at software level	
3	switching functionality levels:	
i.	Layer 2,	
ii.	Layer 3	
iii.	Layer 4	
4	Routing Protocols Supported	
5	support for OSPF, RIP v1/v2 and BGP routing protocols.	
6	Support for SSH, DHCP, RMON, IGMP and SNMP protocols.	
7	Forwarding rate for the switch in Mpps (Million Packet Per Second)	
8	Forwarding bandwidth in Gbps	
9	support for Fast Ethernet ports 1000 Base T, 1000 Base – SX/LX, and 10Gbit Ethernet port	
10		

Edge Switches

MAKE:

MODEL:

Whether Entry, Middle or Higher Level:

S.NO	SPECIFICATIONS	Addl. Information
1	No of Slots	
2	support resilience at software level	
3	switching functionality levels:	
i.	Layer 2,	
ii.	Layer 3	
iii.	Layer 4	
4	Routing Protocols Supported	
5	support for OSPF, RIP v1/v2 and BGP routing protocols.	
6	Support for SSH, DHCP, RMON, IGMP, MAC and SNMP protocols.	
7	Forwarding rate for the switch in Mpps (Million Packet Per Second)	
8	Forwarding bandwidth in Gbps	
9	support for Fast Ethernet ports 1000 Base T, 1000 Base – SX/LX, and 10Gbit Ethernet port	
10	NO. OF PORTS	
11	No. of MAC Addresses supported	
12	Whether RACK Mountable	
13	Software Licenses for all the	

	system software required for the LAN management.	
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ROUTER

MAKE:

MODEL:

Whether Entry, Middle or Higher Level:

Two Ethernet Port or latest Class Router, capable of handling different capacity of WAN Bandwidth

S.No	Item Description	Specifications
1	Two Ethernet Port or latest Class Router,	capable of handling capacity of WAN Bandwidth

STORAGE

MAKE:

MODEL:

Whether Entry, Middle or Higher Level:

S.NO.	SPECIFICATION	OTHER ADDL. INFORMATION
1	The disk array should have the provision of configuring both Fibre Channel (FC) as well as ATA disks.	
2	should be rack mountable	
3	No. of FC Ports	
4	No. of Controllers.	
5	No. of Processor in Each controller	
6	Speed of each Processor	
7	Cache with redundancy	
8	Disk capacity (FC & ATA) Supported	
9	RMP of Disks supported :	
i)	FC	
ii)	ATA	
10	Possibility of Intermixing of disks in the same enclosure/brick/pack	
11	RAID supported (FC & ATA)	
12	Capacity of Disk (FC & ATA)	
13	Scalability of the Disk (FC & ATA)	
14	Expansion capacity (FC & ATA)	

15	No. of AC Power Supplies	
16	Whether Intermixing of RAID groups is possible in the same enclosure	
17	Possible to configure hot spare disks	
18	Whether automatically configured for any failing disk in the array. It should also automatically revert back to original status when the failed disk is replaced.	
19	In case of power failure, data in cache shall be destaged to the Hard disks or should be backed up with Battery	
20	Storage system should support industry standard backup software like Legato, CA, Veritas etc.	
21	The Management software should be GUI based & web based management.	
22	The system should support remote disaster replication Storage functionality in both synchronous & asynchronous data replication	

ANNEXURE-X

PRINTERS

(ALL CATEGORY OF PRINTERS i.e. DMP (9 Pin, 24 Pin), Deskjet, Inkjet, Laserjet, (Mono & Colour), Multi Function Printers, Scanners.

MAKE:

MODEL:

Whether Entry, Middle or Higher Level:

S.No	Category of Printer	Specifications
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		

List of Optional (Additional) Items

Sl. No.	Description of additional items	Make	Whether OEM or Not (Yes/No)
		(1)	(2)
1	320GB SATA HDD 5400 RPM in lieu of 160 GB SATA HDD (5400 rpm)		
2	500 GB SATA-II HDD 7200 rpm in lieu of 320 GB SATA-II HDD (7200 rpm)		
3	2 GB DDR3 memory		
4	4 GB DDR3 memory		
5	15" or higher TFT Monitor with 12 ms or better response time, TCO 03 certified		
6	17" or higher TFT LCD Monitor with 5 ms or better response time, TCO 03 certified with inbuilt speakers		
7	19" or higher TFT LCD Monitor with 5 ms or better response time, TCO 05 certified with inbuilt speakers & minimum 1.3MP webcam		
8	19" or higher TFT LCD Monitor with 5 ms or better response time, TCO 05 certified with inbuilt speakers		
9	21" TFT LCD Monitor with 8 ms or better response time, TCO 03 certified with inbuilt speakers		
10	PCI Express x16 Graphics Accelerator Card (minimum 128 bit, 512 MB Onboard Video memory and 12.8 GBps memory bandwidth)		
11	PCIe graphics card with dedicated 1GB memory supporting OpenGL 2.1 or latest and DirectX 10 or latest, having minimum memory bandwidth of 25 GB/s & minimum 128 bit memory interface.		
12	16x DVD ROM Drive		
13	Internal 16x or higher Slim DVD ROM Drive		
14	Internal Slim DVD Writer		
15	OEM Optical USB Scroll Mouse with Mouse pad		
16	104 Keys OEM Keyboard		
17	wireless Keyboard & wireless optical scroll mouse with pad		
18	Microsoft wireless Keyboard & Microsoft Wireless Optical Scroll Mouse with Pad		
19	104 Keys Bilingual Keyboard with engraved keys		
20	104 Keys Cherry (Mechanical) Keyboard		
21	10/100/1000 Mbps Desktop Ethernet card		
22	External Stereo Speakers 2x3 (RMS) with Stereo Microphone & Headphone		
23	External Stereo Microphone with Stereo		

	Headphone		
24	Single user Norton Anti Virus S/W (Latest Version) for Windows OS with free upgrade license (Viruses definition & engine files) valid for one year		
25	OEM Pack Windows 7 Professional Edition (Downgradable to XP) with OEM Pack optical Media		
26	OEM Pack Windows 7 Home with OEM Pack optical Media		
27	OEM Pack Windows 7 Ultimate Edition with OEM Pack optical Media		
28	Latest version of Linux OS (RHEL) with all necessary Plug-ins/utilities, ATS and driver software in CD/DVD Media		
29	Latest version of Linux OS (Suse) with all necessary Plug-ins/utilities, ATS and driver software in CD/DVD Media		
30	Latest version of Linux Enterprise (RHEL) WS Edition OS with all necessary Plug-ins/utilities, ATS and driver software in CD/DVD Media		
31	Latest version of Linux Enterprise (Suse) WS Edition OS with all necessary Plug-ins/utilities, ATS and driver software in CD/DVD Media		
32	External USB Dual Layer DVD Writer (DVD +R/+RW & CD+R/+RW)		
33	Blue Ray DVD Writer having minimum 4MB buffer, minimum 4x Speed for BD -R/ +R, SATA/IDE interface with all necessary accessories & softwares (Driver & writing)		
34	Blue Ray DVD Writer having minimum 4MB buffer, minimum 4x Speed for BD -R/ +R, USB interface with all necessary accessories & softwares (Driver & writing)		
35	External Modem - 56Kbps V.92 dialup/fax modem with V.42/MNP 2/4 error correction V.42/MNPS data compression & V.17 class and 2.0 Group III fax		
36	ADSL Modem with downstream DTR up to 8Mbps & upstream up to 1Mbps, supporting latest ADSL standards with minimum one RJ11, one RJ45 & one USB ports		
37	ADSL Modem with downstream DTR up to 24Mbps & upstream up to 3.5Mbps, supporting latest ADSL standards, built in firewall & VPN features, TR-067 & TR-069 compliance with one RJ11 & minimum four RJ45 ports		
38	Wi Fi Compatible 108Mbps or higher Wireless I/F Card		
39	Bluetooth USB Adapter		
40	108 Mbps Wi Fi Compatible USB dongle		

41	TV Tuner Card with 30 fps Compatible with Windows		
42	Four Port USB Splitter		
43	Two port video splitter with required accessories & cables.		
44	PCI Base Parallel interface card		
45	Web Camera : VGA sensor (640 x480 pixel) resolution at up to 30 fps, built in microphone , still image up to 1.3 MP		
46	16GB Pen Drive		
47	32 GB Pen Drive		
48	250GB USB Pocket Drive		
49	500GB USB Pocket Drive		
50	1TB USB Drive		
51	Single user Latest version antivirus software for windows platform with free upgrade of viruses definition & engine files, capable to remove all existing viruses, adware, spyware & Trojan horses. The software should also be capable to remove & proactively prevent system from all new viruses, spyware, adware & Trojan horses.		
52	<p>Data Backup and Recovery Software Single Client license with following Specifications</p> <ul style="list-style-type: none"> ➤ Support All flavors of Windows x86/64 bit ➤ Supports backup in a bootable hidden partition, which could be password protected ➤ Supports Continuous Data Protection (CDP) ➤ Supports Live backup for all Applications settings, System state, open files, hidden files, system files, including all attributes, dates, access rights, etc for the following file systems <ul style="list-style-type: none"> – FAT16/32, NTFS, Ext2/Ext3, ReiserFS, Linux SWAP ➤ Supports Full, Incremental, Differential backup Files/Folders/Drives, which can be scheduled or event based ➤ Supports deletion of file/folder/drive securely, which cannot be recovered by any means ➤ Supports recovery with Bootable media ➤ Capable of searching data in archive ➤ Supports backup encryption level AES 256 ➤ Support recovery even on Bare-Metal ➤ Supports mounting of backup archives for individual file recovery or exploring of backup recovery 		

Mini Notebook

MAKE:

MODEL:

Whether Entry, Middle or Higher Level:

S. No.	Component Name	Component Description
1	Processor	
2	Chipset	
3	Memory	
4	Graphic Controller	
5	Sound Controller	
6	Network	
7	Storage	
8	Additional Feature	
9	Web Camera	
10	Ports	
11	Display	
12	Power Management	
13	Keyboard	
14	Battery Backup	
15	Accessories	
16	OS Support	
17	Weight	

Thin Client

S. no	A. Hardware	Compliant (Y/N)
1	Industry standard 1GHz or higher speed processor	
2	Built-in 10/100 Ethernet Interface with WOL support	
3	One serial port ,2 USB ports, 1 parallel port, Audio Ports	
4	PS/2 mouse with Pad and 104 Keys PS/2 Keyboard	
5	1 GB RAM upgradeable up to 2GB	
6	1 GB Flash ROM	
7	With 18.5" TFT LCD Flat Monitor with 5 ms or better response time & TCO'05 certified	
8	Ultra Small form factor chassis mountable at rear side of monitor with vesa kit with suitable SMPS	
B. Software		
9	Windows XP Embedded in Flash ROM	
10	JVM support – for IE 9.0 or latest version	
11	Should support VT100/VT220/ANSI emulations	
12	Full PPP/ Multisession / Multihost support under windows environment	
13	Multilingual support & Thin client Management s/w	
C. OS Supported :		
14	Microsoft Windows 2003 or latest Server TSE, Unix and Linux Server (Using Emulation Suite)	

Software Specifications for Windows or other OS Thin clients

- a. Support for SSH, telnet, XDM protocols and VNC.
- b. Should have applications such as Web Mail client, Browser, PDF reader etc.
- c. Should support plug and play USB Drives
- d. Multilingual support. Unicode complaint (Indian Language support – English, Hindi & Local Language) with three key board layouts.
- e. Remote administration such as Telnet, FTP, NFS, SSH Client with secure copy, etc.
- f. Automatic hardware detection
- g. GUI tools for configuring devices such as printers, scanners, Network cards etc.
- h. Thin Client should have Gnome/KDE Window manager
- i. Thin Client should have support for NIS, LDAP authentication.

Tape Library

MAKE:**MODEL:****Whether Entry, Middle or Higher Level:**

S.No.	Specifications	Addl. information
1	LTO Drive Interface	
2	Scalability to what extent	
3	capability for hot plugging and hot swapping of tape drives, controller cards, power supply, cooling fans, other electronics, etc.	
4	capability to backup data from multiple hosts running OS i.e. HP-UX, IBM AIX, MS Windows, Linux, SUN Solaris, etc.	
5	Others	

ANNEXURE-XV

SYSTEM SOFTWARE, PACKAGED SOFTWARE, PATENTED SOFTWARE, PROPRIETARY SOFTWARE AND ANTIVIRUS

S. No	Software Type	Name of Software	S/W Version	Standard or Professional	Enterprise or other edition

Firewall

Make:

Model:

S.No.	Description	Specification	Addl. Information
1	Rack mountable equipment		
2	Form factor		
3	High availability Mode		
4	Throughput		
5	Whether SNMP enabled		
6	Whether ICSA certified		
	site-to-site IPSec VPN support		
	should have application control security services for common protocols (HTTP, FTP, ICMP, DNS, SMTP, etc).		
	Should integrate seamlessly with popular Authentication, Authorization and Accounting services like TACAS+, RADIUS, etc.		
	capable of supporting Common Criteria EAL 4 security certification.		
	firewall should be capable of performing Stateful Inspection of traffic, detecting common attacks and methodologies followed by hackers.		
	working IN different Layers		

Intrusion Prevention System (IPS)

Make:

Model:

S.No.	Description	Specification
1	Appliance or hardware based	
2	Scalability	
3	Throughput of IPS	
4	IPS Updation	
5	Whether IPS NSS approved	
6	Others	

Important:

1. Intrusion Prevention System (IPS) is required to block malicious attacks and prevent security breaches.
2. IPS system should be appliance based and it should detect, report, and terminate any unauthorized attacks.
3. IPS system should have Protocol Analysis capabilities to provide high performance protection against known and unknown attacks.
4. It should allow legitimate traffic to pass unhindered without impacting network performance.

Uninterrupted Power Supply (UPS)

Make:

Model:

On-line/Off line UPS

S.No.	Capacity of UPS in KVA with make of battery & back-up time	Specification
1	.500 KVA with 30 Minutes Backup	
2	1.0 KVA with 30 Minutes Backup	
3	1.0 KVA with 60 Minutes Backup	

Compliance sheet

Name & Address of the Bidder:

SI No.	Tender No	Page no. Of the Tender Bid
1	OEM of quoted item	Yes/No
2	Bidders valid Certificate of ISO 9001:2008	Yes/No
3	Copies of Balance sheet 2008-09, 2009-10 & 2010-11 showing turnover from sale of Computer systems.	Yes/No
4	List of Service Centers/authorized service centers	Yes/No
5	Copies of STax/VAT Service Tax PAN	Yes/No
6	Articles of Association etc.	Yes/No
7	Not Black listed (Self Certificate)	Yes/No
8	Certificate of support for 5 years	Yes/No
9		

ANNEXURE-XX

BIDDER'S PROFILE

a) Name of the Vendor:

b) Incorporated as _____ in year _____ at _____

(State Sole Proprietor, Partnership, Private Limited or Limited Firm)

c) Whether any Legal/Arbitration proceedings have been instituted against the Vendor or the Vendor has lodged any claim in connection with works carried out by them. If yes, please give details.

d) Vendor profile

i) Full Address :

ii) Year when set up :

iii) Name of the top executive with designation :

iv) Telephone Number(s) : Mobile :

v) Email address :

vi) Service Tax No :

vii) Sales Tax/VAT No :

viii) CST No :

ix) PAN No :

x) Valid ISO 9001 :2008 certificate: Attach zerox copy

xi)Year of establishment

xii)Whether registered under Indian Companies Act, 1956

e) Turnover from sale of computer system.

Financial Year	Turnover from sale of computer system (in Rs.)
2008-09	
2009-10	
2010-11	

As of this date the information furnished in all parts of this form is accurate and true to the best of my knowledge.

f) Service centers: The following information for service centers operational for more than 3 years, may be given. For franchisee / OEM centers the vendor shall produce a

copy of the valid agreement/undertaking from franchises/OEM. ICSIL would verify the information furnished here and if found incorrect the bid is liable to be rejected.

S.No.	Location	Name of Center Full Postal Address with Telephone Nos.	Technical manpower strength	Contact person with mobile No.	Year of Setup	Own centre Or Franchisee	Whether spares are stocked (Y/N)
1							
2							
3							
4							

ICSIL

ANNEXURE-XXI

Details of authorized preferred vendor of OEMs for supply of Hardware, Software etc.

All OEMs may if desire, may appoint one authorized business partner, service provider on their behalf to execute the work orders. The back-end support during warranty shall be of the respective OEM for which an undertaking from the OEMs shall be required.

S.No.	Name of the Business partner, service provider	Office Address with Telephone Nos. etc	Contact person with mobile No. & e-mail address	Year of establishment with proof	GTO for 2008-09, 2009-10 & 2010-11	Whether registered with CST/VAT /Service Tax	PAN in the name of the company
1							

**Tenderer Signature
Name
Designation**

General Instructions:

1. The Tenderer should attach adequate supporting documents duly signed & stamped to substantiate the information being provided for each of the mentioned points.
2. Details of business partners
3. Audited Annual Turnover of the Tenderer in last three years. (Please provide the information in Rs. Crores)
4. Total Net Profit (after Tax and all adjustments) of the Tenderer in last three years (Please provide the information in Rs. Lacs)
5. No documents other than signed & stamped will be entertained.
6. No commercial should be attached with

**Sd/-
G. K. Nanda
Managing Director, ICSIL**

Make :

Annexure-XXII (a)		
<u>Technical Specification UTP Cat 6 and Cat 6 A</u>		
<u>Face Plate CAT 6/ CAT6A</u>		
<u>Information Outlets (Jacks) CAT6/CAT6A</u>		
<u>UTP Patch Cord CAT6/CAT6A- 1 Mtr /2Mtr/3Mtr</u>		
<u>UTP Patch Panel CAT 6 /CAT6A</u>		
For 25 years performance warranty of SCS, the installation should be done by an vendor certified installer.		

Make:

Annexure- XXII (b)		
<u>Fiber Connectors.</u>	-	
SC Type Optical Connector.		
<u>Fiber Adaptor/Coupler</u>		
SC Type Optical Adaptor		
<u>Fiber Optic Patch Cord</u>		
<u>Fiber Panels (LIU) Wall Mount</u>		
Splice Trays		
Cable Spools		
<u>Fiber Panels (LIU) Rack Mount</u>		
Splice Trays:		
Cable Spools:		
For 25 years performance warranty of SCS, the installation should be done by an vendor certified installer. Technical Specifications for SM/MM Armoured / Un Armoured Cable, Loose tube(Multi tube) type, Direct Burial- 6 / 12/24		
Single mode fiber cable with Jelly filled Loose tube(Multi tube) construction,CST armour, provided with FRP Rod as strength members and outer HDPE jacket with sequential length marking suitable for direct burial cable with following specifications:		
SL No	Specifications	Spec. Values

Fiber and Buffering		
1	Fiber Type	
2	Core Diameter	
3	Cladding Diameter	
4	Cladding Non -circularity	
5	Primary coating Diameter	
6	Core clad Concentricity	
7	Coating / Cladding non-circularity	
8	Min Proof Strength	
9	Numerical Aperture	
10	Strain	
11	Fiber Curl	
12	Zero Dispersion Wavelength	
13	Zero Dispersion Slope	
14	Max (chromatic) dispersion	
15	Refractive Index Difference	
16	Effective Group index of Refraction	
17	Polarization mode -dispersion co-efficient	
18	Fiber cut off wavelength	
19	Fiber Macrobend / change in attenuation (100 turns, 60 mm dia)	
20	Fiber Macrobend / change in attenuation (1 turn @ 32 mm dia)	
21	Coating Strip force	
22	Secondary buffer material	
23	Fiber core	
Attenuation:		
1	At 1310 nm,	
2	At 1550 nm,	
Sub Cable:		

1	Fiber Strength	
2	Colour Coded	
Cable Construction:		
Sub- Cables with filler/dielectric central strength members		
1	Colour	
2	Armour	
3	Outer jacket	
4	Inner Jacket	
General Specification for Single -mode OFC .		
Installation		
1	Min Bend	
2	Max Tensile Load	
3	Location	
4	Pulling	
5	Weight	
Operating:		
1	Min Bend Limit	
2	Temperature	
3	Cable outer Diameter	
Tests : Cables Should pass following routine tests		
1	Tensile Force test (IEC794-1-E1)	
2	Abration test (IEC794-1-E2)	
3	Crush Resistance test (IEC794-1-E3)	
4	Impact Resistance test(IEC794-1-E4)	
5	Repeated Bending test (EIA-455-104)	
6	Torsion Resistance test (IEC794-1-E7)	

7	Kink Resistance test (IEC794-1-E10)	
8	Bending Radius test (IEC794-1-E11)	
9	Temperature Range test (IEC794-1-F1)	
10	Sheath to ground Dielectric Strength Test (IEC794-1-F3)	
11	Water Penetration test (IEC794-1-F5)	
12	Drip test (Supplier Stds)	
f. Stripping ability:		
g. Fiber Identification:		
h. Marking:		
i. Immunity:		
j. Life of Cable:		
k. Cable Ends:		
l. Length of cable drum :		
m. UL Listed		

Aneexure -XXII (c)

Technical Specifications for SM/MM Armoured / Un Armoured Cable, Loose tube(Multi tube) type, Direct Burial- 6 /12/24

Single mode fiber cable with Jelly filled Loose tube(Multi tube) construction,CST armour, provided with FRP Rod as strength members and outer HDPE jacket with sequential length marking suitable for direct burial cable with following specifications:

Make :

SL No	Specifications	Spec. Values
Fiber and Buffering		
1	Fiber Type	
2	Core Diameter	
3	Cladding Diameter	
4	Cladding Non -circularity	
5	Primary coating Diameter	
6	Core clad Concentricity	
7	Coating / Cladding non-circularity	
8	Min Proof Strength	
9	Numerical Aperture	
10	Strain	
11	Fiber Curl	
12	Zero Dispersion Wavelength	
13	Zero Dispersion Slope	
14	Max (chromatic) dispersion	
15	Refractive Index Difference	
16	Effective Group index of Refraction	
17	Polarization mode -dispersion co-efficient	
18	Fiber cut off wavelength	
19	Fiber Macrobend / change in attenuation (100 turns, 60 mm dia)	
20	Fiber Macrobend / change in	

	attenuation	
	(1 turn @ 32 mm dia)	
21	Coating Strip force	
22	Secondary buffer material	
23	Fiber core	
Attenuation:		
1	At 1310 nm,	
2	At 1550 nm,	
Sub Cable:		
1	Fiber Strength	
2	Colour Coded	
Cable Construction:		
Sub- Cables with filler/dielectric central strength members		
1	Colour	
2	Armour	
3	Outer jacket	
4	Inner Jacket	
General Specification for Single -mode OFC .		
Installation		
1	Min Bend	
2	Max Tensile Load	
3	Location	
4	Pulling	
5	Weight	
Operating:		
1	Min Bend Limit	
2	Temperature	

3	Cable outer Diameter	
Tests : Cables Should pass following routine tests		
1	Tensile Force test (IEC794-1-E1)	
2	Abration test (IEC794-1-E2)	
3	Crush Resistance test (IEC794-1-E3)	
4	Impact Resistance test(IEC794-1-E4)	
5	Repeated Bending test (EIA-455-104)	
6	Torsion Resistance test (IEC794-1-E7)	
7	Kink Resistance test (IEC794-1-E10)	
8	Bending Radius test (IEC794-1-E11)	
9	Temperature Range test (IEC794-1-F1)	
10	Sheath to ground Dielectric Strength Test (IEC794-1-F3)	
11	Water Penetration test (IEC794-1-F5)	
12	Drip test (Supplier Stds)	
f. Stripping ability:		
g. Fiber Identification:		
h. Marking:		
i. Immunity:		
j. Life of Cable:		
k. Cable Ends:		
l. Length of cable drum :		
m. UL Listed		