Corrigendum – II Regarding Computerization of Operations in NIT Raipur

Date: 09th October 2009

NIT Raipur has got number of queries from vendors, in order to resolve those queries following points are added for more clarifications on requirements

1. Data entry rates should be quoted on the basis of per record data entry, assuming 20 numbers of fields in each record. In case a record is more than 20 fields, quote for a record of 10 additional fields separately.
2. Only Bar coding implementation is required. Smart cards facility is **NOT** required however there should be provision in MIS to support the Smart card facilities in future.
3. Server side implementation can be on Windows or on Linux (Open Source) operating system.
4. Warranty for the supplied software should be 3 Years.

Hardware specifications for items required are as given below. Please quote separately for each item

A. Barcode Printer Specifications **Qty: 03 Nos.**

- Quote per unit.
- Laserjet Printer
- 300-dots-per-inch resolution (12 dots per mm)
- Print width: 4.09" (104 mm) maximum
- Maximum label and liner width: 4.25" (108 mm)
- Maximum label length (with standard memory): 11" (279 mm)
- Maximum label length (with optional memory): 22" (558 mm)
- Standard Memory: 128KB SRAM or more, 512KB Flash or more
- Interfaces: parallel or serial

B. Barcode Scanner Specifications **Qty: 10 Nos.**

- **Compatible with the Bar code Printer**
- Quote per unit.
- Scanner Type - Bi-directional
- Light source - 650 nm visible laser diode
- Nominal working distance - From contact to 17 in/43 cm on 100% U.P.C./EAN symbols
- Print contrast - 20% minimum reflective difference
- Roll (tilt) - 1 +/- 30 degrees
- Pitch - 2 +/- 65 degrees
- Skew - 3 +/- 60 degrees
- Decode capability - U.P.C./EAN, U.P.C./EAN with Supplemental, UCC/EAN 128, Code 39, Code 39 Full ASCII, Code 39 TriOptic, Code 128, Code 128 Full ASCII, Codabar, Interleaved 2 of 5, Discrete 2 of 5, Code 93, MSI, Code 11, IATA, RSS variants, Chinese 2 of 5

C. Web Kiosk Specifications **Qty: 10 Nos.**

- Quote per unit
- Display area: 17"
- Material: Full Steel with Metal Powder Coated
- Body Size: 47 x 30 x 147 cm (W x L x H)
- Keyboard enabled kiosk
- Should be Printer less
- Power Supply – 125 Watt
- Memory – 2 GB or more
- CPU – 2 GHz or more
- Storage Device – 160 GB or more

D. Fingerprint Scanner Specification **Qty: 02 Nos.**

- Quote per unit
- USB based Fingerprint Sensor
- Dimensions - 1.1" x 1.6" x 2.9" (27 x 40 x 73 mm)
- Resolution - 500 dpi $\pm$ 0.2%
- Verification Time - Less than 1 second
- Operating Temperature - 32° to 104°F (0° to 40°C)
- Operating Humidity - < 90% relative, non-condensing
- Interface - USB 1.1, 2.0
- Supported Operating Systems – Linux / Windows Vista / 2003 / XP / 2000 / Me / 98
- Certifications - FCC, CE, RoHS or equivalent standard.

E. Server Specifications

- Type – **Blade Server**
- Make – Reputed companies like IBM / HP / Sun / Dell etc.
- Warranty – 3 Years

E1. Blade Servers Chassis Specification **Qty: 01 Nos.**

SNo	Component	Specifications
1	Chassis	Blade Chassis to accommodate a min of 6 hot pluggable blades with SAS Disks
2	Ethernet Switch	Gigabit Ethernet Modules for internally connecting all blades to be provided
4	Management Module	Should be able to Manage, Administer and Monitor through Network. A redundant management module is also required in the blade Server chassis.
5	Power Modules	100% redundancy on power supplies to be provided inside the Blade Chassis.
6	Redundant Mid Plane	The Blade Server Chassis should have a perfectly passive redundant mid-plane providing redundant paths from the blade servers to the shared components of the chassis.
7	Cooling	100% Redundant Cooling to be provided inside the Chassis.
8	CD/FDD Drive	The Blade Chassis should have at least one pair of CDROM which can be used by the blade servers.
9	Support for Intel, AMD and RISC servers	The Chassis should be able to support blade servers with Intel, AMD and RISC architecture processors.
10	Monitor	19 inch 1U monitor of the same make as the blades

11	Key Board and Mouse	KB and mouse to be supplied with the blades
12	Roadmap	The Chassis should be commercial viable for the next 3 years
13	Server Connectivity	The blades need to have redundant connections to the chassis for its power, I/O and other shared resources.
14	Storage	Provision to install at least 1.5 TB with scope of further expansion.

E2. Blade Specification **Qty: 01 Nos.**

SNo	Component	Specifications
1	CPU	2 x Intel Quad core E5500 series (2.53 GHz, 8MB L3 Cache, 80W, DDR3-1066 or Better
2	RAM	32 GB (DDR3-1333) with at least total 12 DIMM slots or higher
3	Memory Protection	Advanced ECC Memory Support for Memory Mirroring
4	Chipset	Intel 5500 series chipset
5	Disk Controllers	SAS Raid Controller with RAID 0, 1
6	Hard Disk Drives	6 x 300 GB 10K Rpm dual ported hot plug SFF SAS drives
7	Ethernet	2 x auto sensing 1GbE, Each port should be auto sensing 1 Gb, and should interoperate with 1Gb
8	I/O Expansions	I/O expansion slot/enclosure for upgrade of Ethernet Adapter/ Memory/HBAs
9	Video	6MB Memory for Graphics or above.
10	System Management	Should have integrated management processor. Should provide system and environmental monitoring, event recording, alert notification capability. Should have interface for inter-management communication with Blade Chassis Management module.
11	Form Factor	Blade should have redundant power connectors and I/O Connectors
12	OS Compatibility	RedHat 4.5 or above/Suse Enterprise Server 10 or above/MS Windows 2003/2008, Solaris 10, Vmware virtualization software

Note: The last date for submission of technical and financial bids is extended up to 28th of October 2009.

Registrar,
NIT Raipur