

## **Corrigendum – II Regarding Computerization of Operations in NFT Raipur**

**Date: 09<sup>th</sup> 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 center chassis.                          |
| 5   | Power Modules                           | 100% redundancy on power supplies to be provided inside the Blade Chassis.                                                                                             |
| 6   | Redundant Mid Plane                     | The Blade Center 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                                                                                                                      |

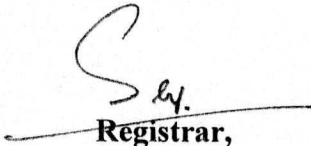
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|----|---------------------|-------------------------------------------------------------------------------------------------------------|
| 11 | Key Board and Mouse | KB and mouse to be supplied with the blades                                                                 |
| 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.**

| <b>SNo</b> | <b>Component</b>  | <b>Specifications</b>                                                                                                                                                                                                                           |
|------------|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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 28<sup>th</sup> of October 2009.**

  
**Registrar,**  
**NIT Raipur**