

ANNEX II + III : TECHNICAL SPECIFICATIONS + TECHNICAL OFFER

Contract title : Supply, delivery, unloading and installation of Equipment for the National Health Management Information System
 Publication reference : EDF10/SLU/NIP/SUP1/2015

Columns 1-2 should be completed by the Contracting Authority
 Columns 3-4 should be completed by the tenderer
 Column 5 is reserved for the evaluation committee
 Annex III - the Contractor's technical offer

The tenderers are requested to complete the template on the next pages:

- Column 2 is completed by the Contracting Authority shows the required specifications (not to be modified by the tenderer),
- Column 3 is to be filled in by the tenderer and must detail what is offered (for example the words “compliant” or “yes” are not sufficient)
- Column 4 allows the tenderer to make comments on its proposed supply and to make eventual references to the documentation

The eventual documentation supplied should clearly indicate (highlight, mark) the models offered and the options included, if any, so that the evaluators can see the exact configuration. Offers that do not permit to identify precisely the models and the specifications may be rejected by the evaluation committee.

The offer must be clear enough to allow the evaluators to make an easy comparison between the requested specifications and the offered specifications.

1. Item Number	2. Specifications required	3. Specifications Offered	4. Notes, remarks, ref to documentation	5. Evaluation Committee's notes
1	14 Servers <ul style="list-style-type: none"> • Form factor: Tower 4U • Processor: Intel® Xeon® E5-2637 v3 3.5GHz,15M Cache,9.60GT/s QPI,Turbo,HT,4C/8T (135W) Max Mem 2133MHz • Memory: 8 GB, Dual Ranked RDIMM • Rack rails: 2-Post/4-Post • Network Interface: 2 Gigabit Ethernet NIC • Internal Raid Controller for Raid 1 and Raid 0 • 2 x 1 terabyte Hard Drives • DVD ROM Drive • Chassis Type to Support 4 Hot-plug Hard Drives • No Operating System 			

	<ul style="list-style-type: none"> Power supply: 500W redundant with power cord Power Supply Requirements: 220 V, 50 Hz Parts Warranty: 1 year same business day on-site Labour Warranty: 1 year same business day on-site 			
2	<p>4 Rack Servers</p> <ul style="list-style-type: none"> Form factor: Tower 2U Processor: 2x (Intel® Xeon® E5-2650 v3 2.3GHz,25M Cache,9.60GT/s QPI,Turbo,HT,10C/20T (105W) Max Mem 2133MHz) Memory: 2x(32GB LRDIMM, 2133MT/s, Quad Rank, x4 Data Width) Memory DIMM Type and Speed: 2133MT/s LRDIMMs Rack rails: Sliding Rails With Cable Management Arm Network Interface: 4x 10 Gigabit Ethernet NIC PCIe Riser: Risers with up to 3, x8 PCIe Slots + 1, x16 PCIe Slots Internal Raid Controller for Raid 1 and Raid 0 RAID Configuration: RAID 1 for S130 (2 SATA HDDs or SATA SSDs)2 x 1 terabyte Hard Drives Hard Drives: 2x(1TB 7.2K RPM SATA 6Gbps 3.5in Hot-plug) Chassis Type to Support 4 Hot-plug Hard Drives No Operating System Power supply: Dual, Hot-plug, Redundant Power Supply (1+1), 750W Power Supply Requirements: 220 V, 50 Hz Parts Warranty:1 year same business day on-site Labour Warranty: 1 year same business day on-site 			
3	<p>5 Network Attached Storage (N.A.S)</p> <ul style="list-style-type: none"> Drobo FS, CAT 6 Ethernet cable Power Supply Requirements: 220 V, 50 Hz Supports: Windows, Mac, or UNIX/Linux client 1x Gigabit Ethernet Self-Healing Technology 4 x 1TB Highly scalable network storage array Parts Warranty: 1 year same business day on-site Labour Warranty: 1 year same business day on-site 			
	<p>6 Wall-Mounted Rack Cabinets</p> <ul style="list-style-type: none"> Rack Size: 18U 			

4	<ul style="list-style-type: none"> • Rail width: 19 Inches EIA Compliant • Dimensions: Depth: 26 inches, Height:38.5 inches Width: 23.4 inches • Wall mounted • Cabinet can swing 90 degrees from the wall • Lockable front and side doors • Vented Front Door • Supported Weight limit: 250 lbs • Installation services required 			
5	<p>12- 24 Port Network Switches</p> <ul style="list-style-type: none"> • Type: Switch • Number of Ports: 24 • Speed: 10/100/1000Mbps • Managed • Power Supply Requirements: 220 V, 50 Hz • Rack Mount kit • Parts Warranty: 1 years same business day on-site 			
6	<p>12 Patch Panels</p> <ul style="list-style-type: none"> • 24 port patch panel 			
7	<p>90 Network Patch Cables 6 ft</p> <ul style="list-style-type: none"> • Length: 6 ft. 			
8	<p>91 Network Patch Cables 3ft</p> <ul style="list-style-type: none"> • Length: 3 ft. 			
9	<p>2 UPS 8.000VA</p> <ul style="list-style-type: none"> • UPS 8000VA Online - Rack/Tower - 208V • Monitoring via USB and RS-232 • Extended Runtime: 17 min • 15ft Extension Cable • Output Volt Amp Capacity: 8KVA • Power Supply Requirements: 220 V, 50 Hz • Input required: AC 220V, 50 Hz • Output provided: AC 230V, 240V, 50 Hz • Width: 17 inches • Height: 10.4" • Power cables included 			

	<ul style="list-style-type: none"> Parts and Labour Warranty: 1 Year 			
10	<p>10 UPS Rack mount 1500VA</p> <ul style="list-style-type: none"> Rack mount kit (19 Inches EIA Compliant) Monitoring via USB and RS-232. Output Volt Amp Capacity: 1500 VA. Power Supply Requirements: 220 V, 50 Hz Input required: AC 230V.50 Hz Output provided: AC 230V, 240V 50 Hz Width: 17 inches Height: 2U Depth: 18 inches Power cables supplied. Parts and Labour Warranty: 1 Year 			
11	<p>30 USB Cables</p> <ul style="list-style-type: none"> Length: 18 inches Connector: USB Type A Male to Type B Male 			
12	<p>10 LaserJet Printers</p> <ul style="list-style-type: none"> Connectivity Interface: Ethernet 10/100Base-T, USB Print Technology: Monochrome Laser Duplex Printing: Yes OS Compatibility: Windows 2000 and later including server editions, Mac and Linux Paper Trays: 2 Print Quality: 1200 X 1200 dpi Black Catridges to assure at least 18.000 pages Power Supply Requirements: 220 V, 50 Hz Parts Warranty: 1 year 			
	<p>1 Color LaserJet Printer</p> <ul style="list-style-type: none"> Connectivity Interface: Ethernet 10/100Base-T, USB Functions: Print, Copy, Scan Print Technology: Color Laser Duplex Printing: Yes Power Consumption: 70 watts (Printing) OS Compatibility: Windows 7 including server editions, Mac and Linux 			

<p>13</p>	<ul style="list-style-type: none"> • Paper Trays: 2 • Print Speed: up to 42 ppm • Digital Sending: Scan to Email; Save to Network, Save to Usb Drive • Print Quality: 1200 X 1200 dpi • Media sizes: Tray 1: Oficio; A4; A5; A6; B5 (JIS); B6 (JIS); 16K; 10 x 15 cm; L; Hagaki; envelopes (B5; C5; C6; DL; Chou #3; Chou #4); Tray 2: A4; A5; B5 (JIS); 16K; envelopes (DL; B5; C5; Chou #3); Tray 3: A4; A5; B5 (JIS); 16K • Color and Black Catridges to assure at least 18.000 pages • Electrical Requirements:220 V, 50 Hz • Parts Warranty: 1 year 			
<p>14</p>	<p>6 AC Units</p> <ul style="list-style-type: none"> • Ratings: 18,000 cooling BTU • Automatic fan with three speeds • Energy saver mode • Remote control • Digital time and temperature display • 24-hour on/off timer • Dehumidify mode • 4-way air direction • Quiet operation • Electrical Requirements: 220 V, 50 Hz • Parts Warrant: 1-year • Labour Warrant: 1-year 			
<p>15</p>	<p>25 Desktop Computers</p> <ul style="list-style-type: none"> • Processor: Core i7 3.10 GHz • Form Factor: Slim • Memory: 8 GB DDR3 RAM • Network Interface: 1 Gigabit Ethernet NIC • 500 GB Hard Drives • DVD ROM Drive • Microsoft Office 2010/2013 • Operating System (Installed): Windows 7 Profession/windows 8 Pro/10 • Power Supply Requirements: 220-240V, 50 Hz • Parts Warranty: 1 years same business day on-site • Labour Warranty: 1 year same business day on-site 			

<p>16</p>	<p>52 Thin Clients</p> <ul style="list-style-type: none"> · Processor: Quad core AMD G-Series SoC 1.5GHz or higher · Thin Client Software Support: LTSP · Memory: 16GB Flash / 4GB RAM DDR3-1600MHz · Network Interface: 1 Gigabit Ethernet NIC/WIFI · Peak Energy Use: 14 watts · Browser Support: Firefox 32.x · Operating System: Linux/Windows · Audio in/out · Features: Wall mountable · USB Ports: Type 2.0 (4) · Dual Video: DVI · Management Software: DCHP, VNC · Power Supply Requirements: 220-240 V, 50 Hz · Parts Warranty: 1 year · Labour Warranty: 1 year 			
<p>17</p>	<p>81 Monitors</p> <ul style="list-style-type: none"> • Widescreen • 19 in LED Monitor • 1000:1 contrast ratio • 1440 x 900 max resolution • 1440 x 900 max resolution • 5 ms response time • Tilt adjustment • VGA (HD-15) interface • DVI interface • Black · Power Supply Requirements: 220-240 V, 50 Hz · Labour and Parts Warranty: 1 year 			
<p>18</p>	<p>23 Wireless Network Dongles</p> <ul style="list-style-type: none"> • Type: Wireless • Interface Type: USB • Kind: External • Transmission Rate: 300Mbps 			

	<ul style="list-style-type: none"> • Wireless Protocol: 802.11b, 802.11g,802.11n • Frequency range: 2.4GHz ISM • Parts: 1 year same business day on-site • Labour Warranty: 1 year same business day on-site 			
19	<p>6 Wireless Network Routers</p> <p>Type: Wireless router</p> <ul style="list-style-type: none"> • Ethernet 10Base-T/100Base-TX/1000Base-T • LAN Ports Quantity: 4 • WAN Ports Quantity: 1 • Wi-Fi Bands: 2.4, 5 GHz • Wireless Protocol: 802.11 a/b/g/n • Power Supply Requirements: 220-240 V, 50 Hz 			
	<ul style="list-style-type: none"> • Parts Warranty: 1 year 			
20	<p>4 Wireless Extenders</p> <ul style="list-style-type: none"> • Device Type: Wireless Range Extender • Interface: Rj-45 • Wireless Network Standards: IEEE 802.11 a/b/g/n • Wireless Data Transfer Rates: 300 Mbps • Wireless Frequency Range: 2.4 -5.0 GHz • Parts Warranty: 1 year 			
21	<p>2 Server Rack mount LCD Consoles</p> <ul style="list-style-type: none"> • Control server equipment from a centralized full HD KVM console • 1U 17" HD 1080p Rack mount LCD Console with Front USB Hub • LCD Rack Console • Rack mount LCD Console • 1080p KVM Console • Widescreen HD KVM Console • Parts Warranty: 1 year 			
	<p>3 Digital KVM Switches</p> <ul style="list-style-type: none"> • Device Type: 8 Port – managed –USB • Enclosure Type: Rack-mountable • Ports: 8 x KVM ports • KVM User Qty: 1 local user, 1 IP user • Remote Management Protocal: ssh 			

22	<ul style="list-style-type: none"> · Power Supply Requirements: 220-240 V, 50 Hz · Dimensions (WxDxH): 17 in x 9.2 in x 1.7 in · Labour and Parts Warranty: 1 year · Interfaces: <ul style="list-style-type: none"> § 1 x VGA - HD-15, § Keyboard (USB) - Type A § Mouse (USB) - Type A § Management - RJ-45 § USB - Type A · Parts Warranty: 1 year 			
23	<ul style="list-style-type: none"> 10 Server Memory <ul style="list-style-type: none"> • 4GB 2RX8 PC3L-10600E-9UDIMM · Parts Warranty: 1 year 			
24	<ul style="list-style-type: none"> 8 Server Memory <ul style="list-style-type: none"> • 32GB LRDIMM, 2133MT/s, Quad Rank, x4 Data Width · Parts Warranty: 1 year 			
25	<ul style="list-style-type: none"> 10 Server Memory <ul style="list-style-type: none"> • 4 GIG DDR3 1600MT/s · Parts Warranty: 1 year 			
26	<ul style="list-style-type: none"> 10 Server Hard Drives <ul style="list-style-type: none"> • HP Midline - hard drive - 1 TB -SATA 6Gb/s · Parts Warranty: 1 year 			
27	<ul style="list-style-type: none"> 8 Server Hard Drives <ul style="list-style-type: none"> • 1TB 7.2K RPM SATA 6Gbps 3.5in Hot-plug · Parts Warranty: 1 year 			
28	<ul style="list-style-type: none"> 16 Server Hard Drives <ul style="list-style-type: none"> • 3.5" SATA, nearline SAS SAS (15K) – 1TB · Parts Warranty: 1 year 			
29	<ul style="list-style-type: none"> 20 Printer Cartridges <ul style="list-style-type: none"> • Spare Printer Cartridge for LaserJet Printer- CF280A · Parts Warranty: 1 year 			
30	<ul style="list-style-type: none"> 20 Printer Cartridges <ul style="list-style-type: none"> • Spare Printer Cartridge for LaserJet Printer- CE505A · Parts Warranty: 1 year 			

31	<p>2 Projectors</p> <ul style="list-style-type: none">• Input: USB, RCA, Composite, HDMI Connectivity• Remote Control• White/Color Light Output: 3000 Lumens Color and White Brightness• Wireless• (800x600dpi)WXGA Resolution• Electrical Requirements: 220 V, 50 Hz• Parts Warranty: 1 year			
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