

**PROCEEDINGS OF THE DIRECTOR OF PUBLIC INSTRUCTION,  
THIRUVANANTHAPURAM.**

**Sub: - Report of Technical committee constituted to centralize the price, specification, quality and service conditions of computer and hardware purchase to schools using MLA/MP/LSG funds – interim report – recommendations-reg**

Ref: - 1. G.O.(Rt.)5120/2007/G.Edn. dated 9/11/2007  
2. Order No. NEP3/80281/07/DPI dated 7/12/2007 of DPI

**ORDER NO. NEP3/80281/07/DPI Dated 08/03/2010**

Based on the recommendations of the technical committee constituted vide reference 1<sup>st</sup> cited, the following minimum specification, pricing and service conditions shall to be observed on purchase of computer and hardware:

<b>1. Desktop PC</b>		
<b>Processor</b> - 2.6 GHZ, Cache 2 MB <b>Chipset &amp; Mother Board</b> : Intel Chip set with Intel Original Mother Board or AMD chipset with Asus Mother Board <b>Memory</b> :1 GB DDRII RAM expandable to 4 GB <b>Hard Disk</b> : Min 160 GB, SATA, 7200 RPM Samsung, Seagate, Hitachi, Western Digital <b>Optical Device</b> : DVD Writer SATA <b>Monitor</b> : 18.5" Wide Screen <b>Cabinet</b> : ATX/Mini ATX <b>PS2/USB Key Board</b> : Normal,104 keys, PS2/USB <b>Mouse</b> : PS2/USB Optical Scroll Mouse <b>USB Ports</b> : 2 Nos front side, 4 Nos back side. Ethernet Integrated 10/100/1000 mbps		
<b>Options can be:</b>		
1.	Above configuration with Celeron or Sempron CPU	18000
2.	Above configuration with Dual Core / Core 2 Duo CPU	20000
<b>1I. UPS</b>		
	Input:- Phase Single. Voltage – 140V – 270V. Frequency 50 Hz +/- 5% Output:- 600 VA 360 W Quasi Sine Wave, 230V+/-5%, change over to inverter-<140V & > 270 V . Battery charging – direct plugging. Out put control – with on/off switch. Output sockets – 5 Pin, 5 Amps – 3 Nos (suitable for Indian Power mains). Environment – 0-45 degree C, RH – 90%. 15-20 Minutes back up with One PC + One TFT Monitor, Warranty - Three year Comprehensive on site warranty including battery	2000

<b>III Laptop</b>		
	<p>2 GHz , Intel/ATI/N-Vidia /SIS/AMD            On OEM Mother Board, 1 GB DDRII RAM Expandable to 2 GB            160 GB, SATA, 5400 RPM            14.1" active Matrix wide Screen with out dead cells,            1200x800 WXGA, Intel-GMA/ATI-Radeon XPRESS/N-Vidia Geforce, Integrated wireless, Intel 802.11a/b/g, and 10/100 Fast Ethernet. Integrated Blue tooth, Integrated DVD Writer 8X, and Integrated Stereo speaker, Key Board with Touch Pad.            Min 3 USB ports, RGB or video or VGA, Port for Microphone, stereo headphone &amp; other standard features.            Rechargeable Battery Pack Comprising of LI-ION battery, Charger/Adapter Voltage and capacity of battery pack to be indicated. carry case, Additional USB- optical scroll mouse.</p>	21500
<b>IV Multimedia Projector</b>		
	<p>2000 ANSI Lumen Resolution , SVGA , Aspect ration4:3, Contrast Ration 2000:1, RGB,S-Video, Composite Video, USB, RS232, Audio out, PC Compatible, Video IN/OUT, Video Out for monitor (splitter attachment not acceptable), Lamp warranty min 3 months or 90 days . <b>6' x 4' Screen with Tripod Stand.</b></p>	
	Maximum price	33000
<b>V Printers</b>		
1.	<p>Laser Printer 14 ppm, Print 600x600 dpi , A4 size, USB interface, with data cable &amp; power cables suitable for 5 AMPs 3 pin Indian Sockets, with drivers for IT @school Linux / IT @ School EDU Boss</p>	5000
2.	<p>Multi Functional Printer :All in one( Print/Scan/Copy/FAX) laser            print: First page out in &lt; 10 secs,Print quality 600x600 dpi            Print speed 20 ppm Copy: speed 20 cpm Multi copies - 90            Scan: Scan resolution(optical) - 600x600            Fax: A4, speed 33.6 KBPS</p>	15500
<b>VI Handy Cam</b>		
	<p>Size- Width &gt;2" - 2.5"&lt; , Depth &gt;4 - 4.5 "&lt; , Height &gt; 2.5" - 2.7 "&lt; Weight - &lt; 10 Oz Sensor resolution: 680 Kpix (min) Media Type: HDD, Flash Card Optical sensor: 1/6", CCD, colour Analog Video format - NTSC Digital Video Format - MPEG-2 Digital Zoom: 3000 x (min) Memory / Storage - Hard Disk (60 GB), Memory Card 8 GB Optical Zoom : 60 x Zoom Adjustment - Motorized drive OS support : Windows, Mac Battery : Li-ion Rechargeable Power Adapter : External Connector type : USB, Composite Video/Audio output, DC power input with necessary cables, drivers, utilities. Focus : automatic and manual, Tripod extra.</p>	30000

<b>C. Service conditions:</b>	
1.	<b>The above prizes are all inclusive and all items will have 3 year onsite warranty</b>
2.	Computers/laptops shall be loaded with Free Software OS ( IT@School GNU/Linux, IT@School Edu BOSS or Edu Ubuntu). All other hardware should have their own drivers for above said drivers which shall be supplied along with the hardware
3.	Any change in technical specifications, however minor it may be shall be informed to the directorate for obtaining its prior sanction before affecting the supply. However, supply of equipments with higher specifications at the quoted price shall be entertained.
4.	The supplier shall demonstrate the performance of the computer systems to the satisfaction of School IT Co-ordinator (SITC) in charge of the school computer lab and HM/Principal.
5.	The following shall be clearly marked on the equipments using labels or indelible ink in the presence of school staff: <ol style="list-style-type: none"> <li>1. The date of installation,</li> <li>2. Period of warranty,</li> <li>3. The details of service person</li> </ol>
6.	Supplier has to set up a call center / Telephone number to monitor, rectify and register all the calls from schools regarding hardware and software support arising after the supply.
<b>IV.</b>	<b>Other accessories</b> <span style="float: right;"><b>As per DGS&amp;D rates</b></span>

IT @ School Project had already entered in to an agreement for supply of desktop computers and accessories from M/s. Keltron that includes specific conditions for the establishment of infrastructure for service network. Hence it is suggested that priority may be given to M/s. Keltron at recommended rates base on above conditions. The toll free no. which M/s. Keltron has set up in this regard is 1800 425 9696 and the online registration service portal is <http://sc.keltron.org> or available at [www.itschool.gov.in](http://www.itschool.gov.in). In case of purchase through Keltron, the payment shall be made within 30 days of supply and installation of items, delay in payment beyond this limit shall be a levy of 2% per month on the total value of work order. But the purchase can also be made through any other vendors satisfying the price, quality and service conditions mentioned above observing store purchase rules.

This is only an interim price and specification for urgent requirement.

  
**Director of Public Instruction**

To

All District Collectors  
State Project Director, SSA  
Director, DVHSE  
Director, DHSE  
Director, SIEMAT  
Director, SIET  
All Deputy Directors of Education, All DEOs

Copy to: All MP's, MLA's and District Panchayaths  
The Executive Director, IT@School project.  
All members of the Technical Committee