

श्री शारदा माध्यमिक विद्यालय खराङ्ग

Shree Sharada Secondary School, Kharang

चैनपुर न.पा. १०, संखुवासभा

Chainpur - 10, Sankhuwasava

स्थापना : २००८

ESTD : 2008

पान नं. : २०१३११३१०

फोन नं. ०२९-६८०१६८

कोड नं. ००६

कोशी प्रदेश नेपाल

मिति : २०८१/०२/१४

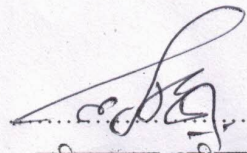
पत्र संख्या : २०८०/०८१

चलानी नम्बर : १५५



विषय : कोटेशन आह्वान सम्बन्धमा ।

प्रस्तुत विषयमा चैनपुर नगरपालिकाद्वारा आ.व. २०८०/८१ को शिक्षा तर्फको संधिय सशर्त अनुदानको विद्यालयमा शैक्षिक गुणस्तर सुदृढीकरण एवम् कार्य सम्पादनमा आधारित प्रोत्साहन अनुदान तर्फको बजेट मार्फत यस विद्यालयलाई ICT को कार्यक्रम उपलब्ध भएको हुँदा मिति २०८१/०२/१४ गतेको नगरपालिका र विद्यालयबीचको सम्झौता अनुसार साथै मिति २०८१/०२/१४ को विद्यालय व्यवस्थापन समितिको बैठक निर्णय अनुसार तपसिलको सामग्रीहरु आपूर्ति गर्नका लागि तोकिएको मापदण्ड पूरा गरेका फर्म वा संस्थाहरुलाई कोटेशन प्रस्ताव आह्वान गरिएको छ । कोटेशन प्रस्ताव मिति २०८१/०२/२५ गते कार्यालय समयभित्र विद्यालयमा पेश गर्नुपर्नेछ ।


ललितमान अधिकारी
प्रधानाध्यापक
श्री शारदा मा.वि. खराङ्ग
चैनपुर न.पा.-१०, सं.स.

विद्यालयमा शैक्षिक गुणस्तर सुदृढीकरण एवम् कार्य सम्पादनमा आधारीत प्रोत्साहन अनुदानका लागि ICT ब्यवस्थापन कार्यक्रमका लागि उपलब्ध हुने सामग्री, सेवा सर्त र प्राविधिक विशिष्टिकरण २०८०

List of Goods and Related Services (LGRS) is briefly describe and specify the quantities of each of the Goods and Related Services that the school requires the seller to include in its Quotation.

List of Goods and Related Services (LGRS)

List of Item	Name of Goods or Related Services	Description	Unit of Measurement	Quantity	Multi PC, Networking and installation of devices and delivery services shall be included in the duty of suppliers.
1	Interactive Panel board		Set	1	
2	CPU Set	CPU, RAM, Motherboard, SSD including casing	Set	1	
3	LED Monitor		Set	11	
4	VDI		Set	10	
5	Network Switch	24 Ports	Set	1	
6	Keyboard	USB	Set	11	
7	Mouse	USB	Set	11	
8	RJ 45 cable with connector		Meter	50	
9	Multifunction printer		Set	1	

PC Technical Specification (TS)

Features	Description	Remarks
CPU	Processor- At least 12 th Gen i7 or higher ,12MB cache or better, 8 cores or higher, 12 threads or higher, 3.1 GHz turbo boost up to 5 GHz	
RAM	32 GB or better, DDR4(SDRAM), 3200 MHZ	
STORAGE	1 TB SSD or higher	
GRAPHICS	Intel UHD Graphics or equivalent or better	
KEYBOARD	Wired USB keyboard	
MOUSE	Wired USB optical pointing mouse with movement resolution 1000 dpi or higher	
Ports	RJ-45 port 110/100/1000 Mbps(rear) USB 3.2 PORTS (FRONT) - 2(Gen 1, Type A) USB 3.2 PORTS (REAR) - 2(Gen 1, Type A) USB 2.0 PORTS (REAR) -2 AUDIO PORTS (REAR) - Realtek® ALC897 Codec HDMI-1	
Motherboard	MEMORY CHANNEL- Dual DIMM SLOTS - 2 MAX MEMORY (GB) - 64	

सन्तोष श्रेष्ठ
सहायक प्रमुख
नगरपालिका
कोषाध्यक्षको कार्यालय
चौमाले, नवलपरासी
कोशी प्रदेश, नेपाल
२०७३

	PCI-E X16 - 1 PCI-E X1 - 1 M.2 SLOT - 1 TPM (HEADER) - 1 DIRECTX - 12 CPU SUPPORT - Support for Windows® 11 64-bit, Windows® 10 64-bit	
Monitor	16-inch or higher , Aspect Ratio:16:09, resolution 1366 x768 or higher, Interfaces: HDMI (HDCP 1.4) and VGA	

Virtual Desktop Infrastructure (VDI)

Features	Discription	
VDI	USB 2.0 Ports -2 Interface - RJ 45 VGA and/or HDMI	

Network Switch

Features	Discription	Remarks
Network Switch	Switching capacity - At least 4.8 Gbps or higher Ethernet/RJ-45 Ports- 24 RJ-45 connectors for 10BASE-T/100BASE-TX Combo Ports SFP - 2 combo mini-GBIC slots	

Interactive Panel Board:

Technical Specification (TS) as specified by Rastrapati Saikshik Sudhar Karyakram 2079 BS which is attached behind this document.

Multifunction Printer:

Technical Specification (TS) as specified by Rastrapati Saikshik Sudhar Karyakram 2079 BS which is attached behind this document.

2. Establishment of Educational AVR System/Smart-Board – 1 Set

Those school without IT Lab need to establish the Lab as per the notice dated 2079-08-18 regarding the execution of Presidential Educational Improvement Program while the school having IT Lab perform improvement with establishment of AVR System equivalent or with higher features stated below:

LED Panel	Size	75" or Higher
	LED Panel Brand	BRANDED
	Panel type	DLED backlight, antiglare
	Resolution	3840(H)2160 (V) UHD
	Brightness (typ)/(min)	400 cd/m ² (typ.)
	Contrast(typ)	3000:1 (typ.)
	Response Time	8ms (typ.)
	Pixel Pitch	0.429(H) mm x 0.429(V) mm
	Visual angle	178 (H) / 178 (V)
	Life(typ)	50,000 hrs (min.)
	Colour saturation(x% NTSC)	0.65
	Display	4K Ultra HD display, support full channel 4K UI display
	Display Area	1649.66(H)mmx927.94(V)mm
	Color	10bit 1.07Billion
Drive Solutions	Android	Android 9 or Higher System
	RAM	4G Memory or Higher
	ROM	32 GB Storage Space or Higher
	OS	Android
	CPU	Quad Core A55 or Higher
OPS PC		I7, 8 th Gen or above
		Windows Pre-install/ windows 7 or above
		Intel Integrated Graphic
		256G,SSD
I/O Port	Android / PC	
	MINI-AV, PC AUDIO, VGA, TV-USB2.0, HDMI PORT*2, TF Card Slot for Android, RJ-45,ALL -USB*3,TOUCH USB,USB-PC	

(Handwritten signatures)



Camera	Built in 13 MP Camera	
Microphone	0~8m with 6 path voice picker	
Front side Key	Computer power supply, TV power supply, signal source, menu, volume +, volume -, energy saving, home page	
USB Support file format	Picture: JPEG、BMP、PNG .jpg\bmp\png Video: MPEG1、MPEG2、MPEG4、H264、RM、RMVB、MOV、MJPEG、VC1、DivX、FLV .avi\mpg\dat\vob\div\mov\mkv\rm\rmvb \mp4\mpeg\ts\trp\wmv\asf\flv Audio: WMA、MP3、M4A (AAC) wma\mp3\m4a	
Video Feature	Display mode	Normal, Soft, Users, Dynamic
	3D digital comb filter, 3D image noise reduction, 3D motion adaptive comb filter, etc	
Manual Language	OSD Language	Multilanguage Optional
Support System	Support Windows 7/ Windows XP/ Windows 2000 / Linux UNIX / Windows 8.1(X86) Remark: OEM exports, default: no OS system when the goods are dispatched, Shall be installed by the customer	
Touch Product Name	IR Multi-touch Frame(20 points or higher)	
Touchscreen input	Opaque objects (e.g. finger, pen, etc.)	
Other Features		
<ul style="list-style-type: none">* True Multi-touch points, without drift and blind spot* Supported true Multi-touch points number: 20 points* Intelligent waking up function* Supported OS: Windows 8/7/Vista/XP, Linux, Android, Mac OS X, Android etc.* Supporting TUIO, Flash and any other customer protocols* Excellent fault tolerance and high reliability* With lock.		
Functions	Support dual systems: fast switching between Android and windows systems, multiple signal source selection, Sleep timing, shutdown memory channel function, TV remote control function, F1-F12 function keys commonly used by computer keyboards, one-key child lock, U disk lock function, automatic identification of signal sources and switching channels, dual-stream decoding of 3D content, one-click energy saving	
	Sliding lockable design for protecting interfaces and buttons	
	System Stability	No drift, no change with the environment
	Min Touch Diameter	5 mm
	Touch Accuracy	± 2mm on more than 95% touch area
Optical	Luminousness	Default Ordinary tempered glass(AG / AR glass Optional); 100% without glass,90% with toughened glass, 92% with AR glass,
Structure	Net weight 65KG or Higher, Gross weight(Carton) 85KG or Higher	



Accessory

Remote controller * 1; Power line (1.8m) * 1; Touch pen * 1; Wall mount*1;Certificate * 1; Warranty card * 1

Digital Content Storage System (DCS)

Network Interface	1 adaptive 10/100Mbps WAN port
Peripheral Interface	USB2.0 external storage device expansion port (card reader, mobile hard disk, U disk, etc. Other external storage devices)
Hard Disk Interface	HD /SSD
CPU Frequency	580 MHZ or Higher
Memory	DDR1 64MB or Higher , Flash memory: 16MB
Storage	HDD Genuine 2TB or Higher / SSD 1
Features	<ul style="list-style-type: none"> • Support Internet and shared disk access switch management, • support/WPA2-PSK/mandatory AES and other encryption security mechanisms • Support personal private cloud remote storage • Support remote monitoring and management • Support disk system: NTFS/FAT32/EXT4 • Wireless network standard: IEEE 802.11b/g/n • Network protocol: CSMA/CA, CSMA/CD, TCP/IP, DHCP, ICMP, NAT, PPPoE • Maximum transfer rate: 300Mbps or Higher • One external antenna: detachable • One internal antenna: not detachable • Number of Antennas: 2 or higher • Storage Unit : Extensible

Applications Writing software, Support Digital Library System

Certification and Warranty ISO 9001 Certified, 1 Year Warranty

3. Provision of All in One Computer – 1Set

The specification equivalent to or with higher feature is recommended:

Processor	min. 11th generation and above Intel Core i5(4C, 8T, 2.5 / 4.5GHz, 8MB)
Brand	Branded ISO 9001 certified
Chipset	Intel SOC Platform
Graphics	Integrated Intel Iris Xe Graphics
LED screen	23" FHD (1920x1080) IPS 250nits Anti-glare
Storage	SSD 256G or Higher
Memory	8GB or higher
Audio	Realtek ALC233, Azalia Codec support 5.1 channel output ,2 Jacks, MIC in/ Line out
WLAN+Bluetooth	11ax, 2x2 + BT5.0
Speaker	3Wx2
Camera	HD 720p
WIFI	M.2 WIFI 802.11b/g/n/ac



Keyboard	USB K/B
Mouse	USB Mouse
Power management	AC90~240V, DC 12V8A~10A@ 96~120W
Minimum Rear Port	2x USB 2.0, 2x USB 3.2 Gen 2, 1x HDMI 1.4
OS	1x Ethernet (RJ-45), 1x power connector
Application Software	Microsoft window 10 Professional 64bit or higher
Weight	Supports MIS software
Base Warranty	Net weight: 8 Kg or higher Gross weight: 12KG (full set with keyboard and mouse and plug)
	1-year, Onsite (warranty must be verified from OEM Website)

4. Multifunction Printer – 1 Set

The specification equivalent or with higher feature is recommended:

Copy		
Copy Type	Monochrome laser	
Copy Speed	22ppm(A4)/23PPM Letter or higher	
Copy /Print Resolution	1200*1200 dpi or higher	
First copy time (FCOT)	Less than 10 secs. (A4)	
Paper Source capacity	150-sheet (cassette)	
Supported Paper Weight	60 to 163g/m2 (cassette)	
Paper output	100 sheets (face down)	
Zoom	25%-400%	
Copy size	A4/LTR	
Copy Features	2 on1, ID Card Copy, Receipt Copy	
Processor	600 MHZ or higher	
Print Type	Monochrome laser	
Print speed	Up to 22 ppm (A4) or higher	
First print out time	7.8 sec (A4)(less then)	
Print Memory	128 MB or higher	
Connectivity	High speed USB 2.0 Net: IEEE 802.3 10/100 base-TX Wi-Fi: IEEE 802.11b/g/n Wi-Fi hotspot	
Scan type	Contact Image Sensing	
Color Depth	24 bit	
Document Size	Platen	Up to A4
Output File Format	Windows	Hi Compression PDF, Searchable PDF, PDF, JPEG, TIFF, BMP
	MAC	PDF, JPEG, TIFF, BMP, PNG
Output Function	Scan to Email, PC FTP IOS, Android	
Pull scan	YES, USB,	
Standard Interface	USB 2.0 Hi Speed	



SB function	Print, Scan
Compatible operating system	Windows 8 (32 / 64 bit) Windows 7 (32/ 64 bit) Windows Vista (32/64b Bit) Windows XP (32/64 bit) Windows 2000, Mac OS X 10.4 - 10.8 Linux ^{*3}
General Specifications	
LCD Display	Yes
Maximum Monthly Duty Cycle	20000 pages

5. Trolley Stand with Locking – 1 Set

- High quality foldable and adjustable trolley stand is recommended.
- Holding Capacity up to 150 kg.

6. Networking and Electrical Wiring

As per the requirement specified by the school.

Note: All Item Should be compulsorily bought for the establishment of ICT Lab/ Upgradation and management of LMS with the digital library under the President Educational Improvement Program)



