



2. Technical Specifications Purchaser Requirement

Item No.	Name of Goods or Related Services	Technical Description, Specifications and Standards		Bidders proposed			The bidder shall state as Fully complaint/ Partially complaint/ Non complaint
		Particulars	Requirements	proposed technical description, specification and standard		Reference page/no./ Catalogue page/ no.	
				Particulars	details		
1	2	3	4	5	6	7	
1	Laptop (Core Ultra i7)	Brand	[to be proposed by bidder]				
		Model	[to be proposed by bidder]				
		Processor	Core Ultra 7 150U or Higher				
		RAM	16GB RAM and ROM: 512GB SSD or Higher				
		Display	14-Inch, multitouch-enabled or Higher				
		IPS LCD	WUXGA (1920 x 1200) or Higher				
		OLED	2.8K (2880 x 1800), 48–120Hz refresh rate, 0.2ms response time, UWVA, or Higher				
		Operating System	Windows 11 Home or Higher				
		Webcam	SMP IR Camera with privacy shutter or Higher				
		Audio	Dual speaker with DTS:X Ultra, Audio Boost, Poly Studio or higher				
		Keyboard	Full-size, backlit, touchpad or Higher				
		Ports:	2x USB 3.2 Type-A, 1x HDMI 2.1, 1x 3.5mm audio jack, micro SDcard reader (1x USB 3.2 Gen 2 Type-C) or (2x USB 3.2 Gen 2 Type-C) or (1x USB 3.2 Gen 2 + 1x Thunderbolt 4) or Higher				
		Connectivity:	WiFi 6E + Bluetooth v5.3 or Higher				
		Battery	59Wh 3-cell Li-ion Polymer with 65W USB Type-C power adapter or Higher				
		Service Center	Should have Authorized Service Centers in Nepal or Higher				
		Warranty and Support	Minimum 1 years Warranty or Higher				

प्रमुख प्रशासकीय अधिकृत

सूचना प्रविधि विभाग

०९१२०११८



Name of Goods or Related Services		Technical Description, Specifications and Standards		Bidders proposed			The bidder shall state as Fully complaint/ Partially complaint/ Non complaint	
Item No.	2	Particulars	Requirements	proposed technical description, specification and standard		Reference page/no. / Catalogue page/ no.	7	
				Particulars	details			
1	2	3	4	5		6		
2	Laptop (Core i5)	Brand	[to be proposed by bidder]					
		Model	[to be proposed by bidder]					
		Processor	13th Gen Intel Tiger Lake CPU Core i5-1335U (10C/12T,4.7GHz) or Higher					
		RAM	8GB DDR4 RAM (soldered) or Higher					
		Storage	512GB SSD or Higher					
		Display	14-inch IPS panel, multi-touch, 250 nits, 45% NTSC or Higher					
		Operating System	Windows 11 Home or Higher					
		Webcam	Wide Vision 720p HD camera or Higher					
		Audio	Stereo speakers, Audio by Bang & Olufsen, Audio Boost or Higher					
		Keyboard	Backlit Chiclet (single color – silver) or Higher					
		Ports:	1x USB Type-C (Power Delivery / DisplayPort 1.4 / HP Sleep and Charge), 2x USB Type-A, 1x HDMI 2.0, 1x 3.5mm mic/headphone Jack or Higher					
		Connectivity:	WiFi 802.11 AX201 (2x2), Bluetooth 5.0 or Higher					
		Battery	3-cell 52 WH Li-Ion battery or Higher					
		Service Center	Should have Authorized Service Centers in Nepal					
		Warranty and Support	Minimum 1 years Warranty or Higher					

[Signature]

[Signature] प्रविधि अधिकृत

[Signature] प्रमुख प्रशासकीय अधिकृत

Item No.	Name of Goods or Related Services	Technical Description, Specifications and Standards		Bidders proposed			The bidder shall state as Fully complaint/ Partially complaint/ Non complaint	
		Particulars	Requirements	proposed technical description, specification and standard		Reference page/no./ Catalogue page/ no.		
				Particulars	details			
1	2	3	4	5		6	7	
3	75" Interactive Smartboard	Brand	[to be proposed by bidder]					
		Model	[to be proposed by bidder]					
		Display Size	75 Inches or Higher					
		Resolution	3840 x 2160 (4K) or Higher					
		Pixel Pitch	0.14325(H) x 0.42975(V) mm or Higher					
		Power Consumption	< 150W (average) or Higher					
		Speakers	2 x 20 W + 25W or Higher					
		Microphone	Omni-directional 8-array layout or Higher					
		VESA Mounting	800 mm x 400 mm or Higher					
		Weight	51.23 kg or Higher					
		Dimensions:	1713.2 mm x 1034.5 mm x 82.5 mm or Higher					
		RAM	8 GB or Higher					
		ROM (Built-in Storage)	128 GB or Higher					
		Processor	Quad-core Cortex-A55 (2.1GHz) or Higher					
		GPU	Mali-G52MP or Higher					
		Operating System	Android 13.0 or Higher					
		Accessories	Remote Control-1, Touch Pen-1 (minimum), Wall Mount Bracket-1, HDMI Cable-1, Power Cord-1 or Higher					
		Camera	48 MP or Higher					
		Service Center	Should have Authorized Service Centers in Nepal					
		Warranty and Support	Minimum 1 years Warranty or Higher					

48/8/19/11

प्रमुख प्रशासकीय अधिकृत
 प्रमुख प्रशासकीय अधिकृत

Item No.	Name of Goods or Related Services	Technical Description, Specifications and Standards		Bidders proposed			The bidder shall state as Fully complaint/ Partially complaint/ Non complaint
		Particulars	Requirements	proposed technical description, specification and standard		Reference page/no./ Catalogue page/ no.	
				Particulars	details		
1	2	3	4	5	6	7	
4	Inkjet Printer	Brand	[to be proposed by bidder]				
		Model	[to be proposed by bidder]				
		Functions	Print (Inkjet), Scan, Copy or Higher				
		Ink Bottles (Page Yield A4)	Economy GI-76 PGBK: 9,000 GI-76 PG C/M/Y: 21,000 or Higher				
		Print Speed ISO Standard (A4)	Simplex Approx. 24.0 ipm (black) / 15.5 ipm (color) or Higher				
		Standard Interface	High-Speed USB 2.0, USB flash memory				
		Network	Wired LAN, Wireless LAN, Direct Connection (Wireless LAN) or Higher				
		Automatic Document Feeder (ADF)	Available Approx. 22.2 ipm (black) / 12.2 ipm (color) or Higher				
		Auto Duplex Printing	Available Approx. 13.0 ipm (black) / 10.0 ipm (colour) or Higher				
		Recommended monthly print	300 to 2,500 pages Duty Cycle Up to 45,000 pages/month or Higher				
		User-Replaceable Ink Cartridges	MC-G01 (Maintenance cartridge) or Higher				
		Mobile Printing Apps	PRINT Inkjet/SELPHY, Easy-Photo or Higher				
		Connectivity Features	Air Print, Mopria, PIXMA Cloud Link, Direct Wireless, Wireless Pict Bridge or Higher				
		Service Center	Should have Authorized Service Centers in Nepal				
		Warranty and Support	Minimum 1 years Warranty or Higher				

48/21/19/18

प्रमुख प्रशासकीय अधिकृत
 त्रिभुवन विश्वविद्यालय

प्रमुख प्रशासकीय अधिकृत
 त्रिभुवन विश्वविद्यालय

Item No.	Name of Goods or Related Services	Technical Description, Specifications and Standards		Bidders proposed			The bidder shall state as Fully complaint/ Partially complaint/ Non complaint
		Particulars	Requirements	proposed technical description, specification and standard		Reference page/no./ Catalogue page/ no.	
				Particulars	details		
1	2	3	4	5	6	7	
5	Solar Panel	Brand					
		Model Number					
		PV Module Type					
		Rated Maximum Power (Pmax)					
		Number of Cells					
		Open Circuit Voltage (Voc)					
		Maximum Power Voltage (Vmp)					
		Short Circuit Current (Isc)					
		Maximum Power Current (Imp)					
		Module Efficiency					
		Glass					
		Junction Box					
		Cables					
		Connectors					
		IEC 61215/ IEC 61730/ IEC 61701/ IEC 62716					
		ISO 14001, ISO 9001, ISO45001					
		RETS Certified- PIT and RST					
		Service Center					
		Warranty and Support					

२०७३/०८/१५
 प्रमुख प्रशासकीय अधिकृत
 प्रविधि अधिकृत
 सुब्बा

Item No.	Name of Goods or Related Services	Technical Description, Specifications and Standards		Bidders proposed			The bidder shall state as Fully complaint/ Partially complaint/ Non complaint
		Particulars	Requirements	proposed technical description, specification and standard		Reference page/no./ Catalogue page/ no.	
				Particulars	details		
1	2	3	4	5	6	7	
6	Solar Hybrid Inverter	Brand	[to be proposed by bidder]				
		Model Number	[to be proposed by bidder]				
		Load Capacity	7.5Kva				
		DC Input Voltage	48V				
		Float Charging Voltage	54.8V ± 0.2V				
		Boost Charging Voltage	57.8V ± 0.4V				
		Low Battery Warning	43.2V ± 0.4V				
		Low Battery Cut	41.6V ± 0.4V				
		Charge Controller Type	MPPT/PWM				
		Max. Panel Can be Connected	Approx. 4000Watt				
		Max. PV Current	70A				
		Reverse PV, Current Protection	Yes				
		Display and Alarms	LCD Status Display and audible beeps				
		Protection	Overload Circuit, Over Temperature, RB				
		Output Frequency	50Hz ± 0.2 Hz				
		Output Voltage	220VAC ± 10%				
		Output Waveform	Pure Sine Wave ≤ 5% THD				
		Discharge Current @ Full Load	90A ± 2A				
		Power	Maximum PV: 7000Watt or Higher				
		Service Center	Should have Authorized Service Centers in Nepal				
		Warranty and Support	3 Years, Onsite Service or Higher				

४४८१११८
 ४४८१११८
 ४४८१११८

प्रमुख प्रशासकीय अधिकृत

Item No.	Name of Goods or Related Services	Technical Description, Specifications and Standards		Bidders proposed			The bidder shall state as Fully complaint/ Partially complaint/ Non complaint
				proposed technical description, specification and standard		Reference page/no. / Catalogue page/ no.	
1	2	3	4	5	6	7	
7	Lead Acid Tall Tubular Battery	Brand	[to be proposed by bidder]				
		Model Number	[to be proposed by bidder]				
		Rated Capacity	150AH@C10, Lead Acid				
		Voltage	12V DC				
		Type	Tall Tubular				
		Initial Charging Current	15Amp				
		Terminal	Rust Proof Technology				
		Container	Robust Clean Rugged Construction				
		Dimension (HxWxL)mm	503x193x412				
	Service Center	Should have Authorized Service Centers in Nepal					
	Warranty and Support	5 Years, Onsite Service or Higher					

प्रमुख प्रशासकीय अधिकृत

सूचना प्रविधि अधिकृत

Item No.	Name of Goods or Related Services	Technical Description, Specifications and Standards		Bidders proposed		The bidder shall state as Fully complaint/ Partially complaint/ Non complaint
		Particulars	Requirements	proposed technical description, specification and standard	Reference page/no./ Catalogue page/ no.	
1	2	3	4	5	6	7
8	Current Changeover	Brand	[to be proposed by bidder]			
		Model Number	[to be proposed by bidder]			
		Capacity	32A			
		Switch Controller	Auto, Manual or Higher			
		Phase	Single (200Vac – 240Vac)			
		Frequency	50Hz			
		Box Material	Mild Steel heavy			
		Capacity	32A			
		Switch Controller	Manual			
		Phase	Single (200Vac – 240Vac)			
		Service Center	Should have Authorized Service Centers in Nepal			
		Warranty and Support	1Years, Onsite Service or Higher			

प्रमुख प्रशासकीय अधिकृत

सूचना प्रविधि अधिकृत

१०११११११

8/10/18

सूचना प्रविधि अधिनियम

प्रमुख प्रशासकीय अधिकृत



सुचना प्रविधि अधिकृत



Item No.	Name of Goods or Related Services	Technical Description, Specifications and Standards		Bidders proposed			The bidder shall state as Fully compliant/ Partially compliant/ Non complaint
		Particulars	Requirements	proposed technical description, specification and standard		Reference page/no./ Catalogue page/ no.	
				Particulars	details		
1	2	3	4	5	6	7	
11	Outdoor Junction Box AC/DC MCB	Brand	[to be proposed by bidder]				
		Model Number	[to be proposed by bidder]				
		Diameter	4" x6"				
		Protection	IP55				
		Type	Outdoor Terminal Junction Box				
		Material	ABS				
		Color	White				
		Number of Pole	Dual/ Dual				
		Current Rating	16A/60A				
		Breaking Capacity	10kA/4kA				
		Rated Voltage	220V, 50Hz/500VDC				
Trip Type	Electrical/ IEC 60947-2						
	Battery Rack: GI/MS Rack for 8 batterie						
	Solar PV Support Structure: GI(Galvanized)/Aluminum Structure for Panels bonded with Anchor Nut bolts And PCC Foundation.						
	Service Center	Should have Authorized Service Centers in Nepal					
	Warranty and Support	1Years, Onsite Service					

[Signature]

[Signature]
सूचना प्रविधि अधिकृत

[Signature]
प्रमुख प्रशासकीय अधिकृत



Item No.	Name of Goods or Related Services	Technical Description, Specifications and Standards		Bidders proposed			The bidder shall state as Fully compliant/ Partially compliant/ Non complaint
		Particulars	Requirements	proposed technical description, specification and standard		Reference page/no. / Catalogue page/ no.	
				Particulars	details		
1	2	3	4	5	6	7	
12	DSLR Camera With Lens Kit (18-55mm)	Brand					
		Model Number					
		AF Modes		Via optical viewfinder: AI Focus (Switches between One-Shot AF and AI SERVO AF automatically) One Shot AF, AI Servo, Manual, Via Live View LCD screen			
		AF Point Selection		Automatic selection, Manual selection			
		AF System Points		OVF: 45 AF Points Live View: 5,481 selectable focus positions			
		Built-in Flash		YES			
		Peripheral Connections		Hi-Speed USB, HDMI (Type C) / Microphone / Headphone / Remote			
		Continuous Shooting Speed (Shots Per Sec) (Up To)		OVF: 10fps (One-Shot AF & AI Servo AF) Live View: 11fps (One-Shot AF), 7fps (Servo AF)			
		Dimensions (Excl. Protrusions) (mm) (Approx.)		140.7 x 104.8 x 76.8			
		Processor Type		DIGIC 8			
		Effective ISO		100 - 25,600 (H:51,200)			
		Effective Pixels (Megapixels)		32.5			
Exposure Compensation		OVF: ±5* stops in 1/3- or 1/2-stop increments Live View: ±3 stops in 1/3- or 1/2-stop increments AEB: ±3 stops in 1/3- or 1/2-stop increments					

[Signature]

[Signature]

सूचना प्रविधि अधिकृत

[Signature]
प्रमुख प्रशासकीय अधिकृत

Item No.	Name of Goods or Related Services	Technical Description, Specifications and Standards		Bidders proposed			The bidder shall state as Fully complaint/ Partially complaint/ Non complaint
		Particulars	Requirements	proposed technical description, specification and standard		Reference page/no./ Catalogue page/ no.	
				Particulars	details		
1	2	3	4	5	6	7	
		Eye Detection AF		Live View: One-Shot AF & Servo AF			
		Flash Modes		E-TTL II Autoflash, FE Lock, Manual pop-up, Retractable, Built-in			
		Focal Length (35mm Equivalent)		28.8-216.0mm (7.5x)			
		Image Resolution		6960 x 4640 (L) 4800 x 3200 (M) 3472 x 2320 (S1) 2400 x 1600 (S2) 6960 x 4640 (RAW/C-RAW)			
		LCD Monitor (Size) (Inch)		3.0			
		LCD Monitor Resolutions (dots)		1,040,000			
		Memory Card Type		SD, SDHC*, SDXC*, *UHS-I & UHS-II cards compatible			
		Optical Zoom		7.5x			
		Optional Power		AC Power (AC Adapter AC-E6N and DC Coupler DR-E6)			
		Service Center		Should have Authorized Service Centers in Nepal			
	Warranty and Support		1Years, Onsite Service				

प्रमुख प्रशासकीय अधिकृत

सूचना प्रविधि अधिकृत

प्रमुख प्रशासकीय अधिकृत

Item No.	Name of Goods or Related Services	Technical Description, Specifications and Standards		Bidders proposed			The bidder shall state as Fully complaint/ Partially complaint/ Non complaint
				proposed technical description, specification and standard	Reference page/no. / Catalogue page/ no.		
1	2	3	4	5	6	7	
13	CCTV System	Brand	[to be proposed by bidder]				
		Model Number	[to be proposed by bidder]				
		1. 4MP ColorVu Warm LED Bullet Network Camera	Full Time Color, 24/7 Colorful Imaging View in color even in Darkness, 1/2.8" H.265+/H.265/H.264+/H.264/MJPEG, Color: 0.0035 lux @(F1.0, AGC ON), 0 lux with LED on, 25fps/30fps(1920x1080) , 25fps/30fps(2688x1520,2304x1296) VCA functions; 3 streams; 120dB WDR, 3D DNR; BLC; ICR; Warm LED, DC12V & PoE Built-in micro SD/SDHC/SDXC slot, Hik-Connect cloud service, 3000K Warm LED Bullet, 6mm, IP67,				
		2. 2MP IR Bullet H.265+ Network Audio Camera	1/2.8" Progressive CMOS, ICR, 1920x1080:25fps(P)/30fps(N), 4mm Lens, ,H.265+/H.265/H.264+&H.264, 3D DNR, BLC, IR range: up to 30m, DC12V & PoE, Build in microphone, IP66,Support mobile monitoring via Hik-Connect, *power supply no Included Front Cover: Metal, Back Cover & Bracket: Plastic				
		3. 16-Channel Embedded NVR	16-CH Embedded NVR DIGITAL VIDEO RECORDER H.264+/H.265 video compression, 8/6/5/4/3MP/1080p 64-ch Video output @ 1920x1080p & 1 ch Audio				
		4. 16 Port POE Switch	L2, Unmanaged, 16 x 10/100 Base-TX Ethernet ports, one 10/100/1000 Base-T Ethernet port and one 10/100/1000 Base-				

४४१२१०११६

सुचना प्राविधि अधिकृत
 ४४१२१०११६

प्रमुख प्रशासकीय अधिकृत
 ४४१२१०११६



गण्डकी प्रदेश सरकार
प्रशासनिक सेवा विभाग

Item No.	Name of Goods or Related Services	Technical Description, Specifications and Standards		Bidders proposed			The bidder shall state as Fully complaint/ Partially complaint/ Non complaint
		Particulars	Requirements	proposed technical description, specification and standard		Reference page/no. / Catalogue page/ no.	
				Particulars	details		
1	2	3	4	5	6	7	
			X SFP optical module port, IEEE 802.3at/af PoE Compliant, PoE power budget 135W/4 kV Surge Protection, IEEE 802.3x Flow Control Support, 7.2 Gbps Switching Support four networks or Higher				
		5. UTP Cat-6 Cable	305 m CAT6 Network Cat.6Sheath Printing: 4PR 23AWG 75°C U/UTP CAT6				
		6. 8 TB HDD	Capacity: 6TB, Interface: SATA, Max Sustained Transfer Rate: 180 MB/s, Form Factor: 3.5-inch., RPM: 7200, Cache: 256MB. or Higher				
		7. 6U Network Rack	Network Rack or Higher				
		8. 43 Inch (Display)	43 inch, WebOS 24 ,4K UHD, AI Brightness Control, AI Sound Pro, Wi-Fi 5, Room to Room Share (Receiver)* HDR10/HLG/FILMMAKER MODETM, Game Optimizer & Dashboard or Higher				
		9. Installation with Lis tic	All Area are cover by Lis tic and Rj 45 Jack/Cable tal / Grip/Transportation/ Installation point and accessories				
		Service Center	Should have Authorized Service Centers in Nepal				
		Warranty and Support	1Years, Onsite Service				

प्रमुख प्रशासकीय अधिकृत

प्रमुख प्रशासकीय अधिकृत

Item No.	Name of Goods or Related Services	Technical Description, Specifications and Standards		Bidders proposed			The bidder shall state as Fully complaint/ Partially complaint/ Non complaint
		Particulars	Requirements	proposed technical description, specification and standard	Reference page/no./ Catalogue page/ no.	7	
1	2	3	4	5	6		
14	Sound Box with Mixer	12 CH-1 Pcs Speaker 220 watt -2 Pcs Cable-20 Meter microphone wireless-1 Set microphone wire -1 Pcs Microphone Podium 1 Pcs					
15	Bluetooth Teacher Speaker with Microphone	MICROPHONE FOR TEACHER WITH BLUETOOTH SPEAKER SET Microphone for Teachers Wireless Voice Amplifier Speaker with, Tour Guides, Trainers & Doctors combo of a portable amplifier with mic that can be connected wirelessly via UHF technology (better than Bluetooth Voice Amplifier) offers stable connection and better flexibility of movement in a classroom. CONVENIENT WAIST CLIP Tuck this Teachers Mike with Speaker to you					

प्रमुख प्रशासकीय अधिकृत

विवाचन माउन्टिङ्ग

१४/०१/०११८



Item No.	Name of Goods or Related Services	Technical Description, Specifications and Standards		Bidders proposed			The bidder shall state as Fully complaint/ Partially complaint/ Non complaint
		Particulars	Requirements	proposed technical description, specification and standard		Reference page/no./ Catalogue page/ no.	
				Particulars	details		
1	2	3	4	5	6	7	
16	Multi Connection InterProcessor Box (mbox)	Brand	[to be proposed by bidder]				
		Model Number	[to be proposed by bidder]				
		Authorization Letter	(must be provided by supplier)				
		Processor	ARMv7 64Bit Processor 1.2 Ghz or Higher				
		RAM	1 GB or Higher				
		Storage	64 GB or Higher				
		Wi-Fi	2.4Ghz & 5 Ghz or Higher				
		Operating System	Windows or Linux or Higher				
		Access Interface	Wi-Fi or Higher				
		No Of Concurrent Devices	Maximum 15-20 or Higher				
		Open Area Radius Covered	15-20 meters, Power: 12V-2amp				
		Software and Content Loaded	Class 1 to Class 10 Math and Science, Digital Science Lab for class 6,7,8,9 and 10, Reference eBooks for Math, Science, English and Computer. eBooks for all				
			Propriety Digital Library Application with in-built Interactive Tools in eReader / m				
			Automatic Syncing capabilities to cloud server for analytics or Higher				
			Usage report for download by admin and cloud-based dashboard for department				
		Certifications	ISO 9001:2015, ISO 9001:27001 or Higher				
Warranty	2 Years for Hardware and Services or Higher						

प्रमुख प्रशासकीय अधिकृत

प्रमुख प्रशासकीय अधिकृत