

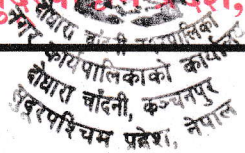


दोधारा चाँदनी नगरपालिका नगर कार्यपालिकाको



पत्र संख्या:-२०८३/०८४ (सूचना प्रविधि शाखा)
चलानी नं.:-

दोधारा चाँदनी कञ्चनपुर
सुदूरपश्चिम प्रदेश, नेपाल



मिति: २०८३/०५/०५
ने.सं. ११४६

विषय: दररेट उपलब्ध गराउने सम्बन्धि ७(सात) दिने सूचना।

श्री फर्म/सप्लायर्सहरु सबै।

यस दोधारा चाँदनी नगरपालिका, नगरकार्यपालिकाको कार्यालयलाई आ.व.२०८३/०८४ मा आवश्यक पर्ने यसै साथ संलग्न सूची बमोजिमको कम्प्यूटर लगायतका अन्य कार्यालय सामानको लागत अनुमान तयार गर्ने प्रयोजनका लागि बजार दररेट आवश्यक भएकोले उक्त सामानहरुलाई तहाँ फर्म/सप्लायर्सहरुबाट के कति दररेटमा उपलब्ध गराउन सकिन्छ? सोको बजार दररेट उपलब्ध गराईदिन हुन यो सूचना प्रकाशित गरिएको जानकारी गराईन्छ।

Shw

हरिश चन्द्र जोशी

हरिश चन्द्र जोशी

प्रमुख प्रशासकीय अधिकृत

हरिश चन्द्र जोशी

प्रमुख प्रशासकीय अधिकृत



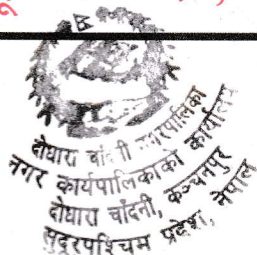


दोधारा चाँदनी नगरपालिका नगर कार्यपालिकाको



पत्र संख्या:-२०८३/०८४ (सूचना प्रविधि शाखा)
चलानी नं.:-

दोधारा चाँदनी, कञ्चनपुर
सुदूरपश्चिम प्रदेश, नेपाल



मिति: २०८३/०५/०५
ने.सं. ११४६

श्री

विषय: दररेट उपलब्ध गराईदिने बारे ।

प्रस्तुत विषयमा यस कार्यालयलाई कार्यालय समानको लागत अनुमान तयार गर्ने प्रयोजनका लागि तपसिल अनुसारका समानहरूको बजार दररेट आवश्यक भएकोले उक्त समानहरूको बजार दररेट उपलब्ध गराई दुन हुन अनुरोध गरिन्छ।

(Signature)

हरिश चन्द्र जोशी

प्रमुख हरिश चन्द्र जोशी
प्रमुख प्रशासकीय अधिकृत

1. All-in-One Computer (Intel Core i5)

क्र.सं.	समानको नाम	विशिष्टीकरण Specification	ईकाइ	दर	कैफियत
1	Brand / Make	Internationally Branded / OEM product; Brand and Model to be specified by bidder			
2	Form Factor	All-in-One (AIO) Desktop Computer; integrated display and system unit			
3	Processor	Intel Core i5, 13th Generation or higher, or equivalent/better			
4	Processor Performance	Minimum 10 cores / 16 threads; Max Turbo Frequency 4.60 GHz or higher, or equivalent/better			
5	Cache	Minimum 20 MB Intel Smart Cache or equivalent/better			
6	Chipset / Motherboard	OEM-integrated chipset and motherboard; business/office class			
7	Memory (RAM)	Minimum 16 GB DDR5; 4800 MT/s or higher			
8	Memory Upgrade	At least 32 GB total supported, subject to OEM design			
9	Storage	Minimum 512 GB M.2 PCIe NVMe SSD			
10	Graphics	Integrated Intel Graphics or better; suitable for office applications and Full HD display			
11	Display Size	Minimum 23.8 inch LED/IPS display			



दोधारा चाँदनी नगरपालिका नगर कार्यपालिकाको

दोधारा चाँदनी, कञ्चनपुर
सुदूरपश्चिम प्रदेश, नेपाल



पत्र संख्या:-२०८३/०८४ (सूचना प्रविधि शाखा)
चलानी नं.:-

12	Display Resolution	Minimum Full HD 1920 × 1080	पिस		
13	Display Features	IPS or equivalent, Anti-Glare, Flicker-free/Low Blue Light preferred			
14	Web Camera	Built-in Full HD 1080p camera or better, with privacy shutter preferred			
15	Audio	Built-in stereo speakers and built-in microphone			
16	LAN	Integrated Gigabit Ethernet, 10/100/1000 Mbps			
17	Wireless	Wi-Fi 6 (802.11ax) or higher			
18	Bluetooth	Bluetooth 5.0 or higher			
19	USB Ports	Minimum 4 USB ports in total, including at least 2 USB 3.x ports			
20	USB Type-C	Minimum 1 USB Type-C port			
21	Video Port	Minimum 1 HDMI/DisplayPort or equivalent digital display output			
22	Audio Port	3.5 mm audio/headset or OEM equivalent			
23	Security	TPM 2.0; UEFI Secure Boot; BIOS/firmware password capability			
24	Operating System	Genuine Microsoft Windows 11 Pro 64-bit, factory installed and properly licensed			
25	Keyboard	OEM/same-brand USB or wireless keyboard, Windows compatible			
26	Mouse	OEM/same-brand USB or wireless optical mouse			
27	Power Supply	OEM supplied AC adapter/power supply, 100–240V AC, 50/60Hz compatible			
28	Power Efficiency	Energy-efficient design; applicable OEM energy/safety certification			
29	Stand	Original OEM adjustable/tilt stand suitable for the supplied AIO			
30	Certifications	CE/FCC/RoHS or equivalent applicable certifications			
31	Warranty	Minimum 3 years comprehensive onsite/authorized service warranty preferred; minimum 1 year shall be acceptable if specified in procurement plan			

John

हरिश चन्द्र जोशी
प्रमुख प्रशासकीय अधिकृत



पत्र संख्या:-२०८३/०८४ (सूचना प्रविधि शाखा)
चलानी नं.:-

दोधारा चाँदनी नगरपालिका नगर कार्यपालिकाको

दोधारा चाँदनी, कञ्चनपुर
सुदूरपश्चिम प्रदेश, नेपाल



2. Laptop_Core_i5

क्र.स.	समानको नाम	विशिष्टीकरण Specification	ईकाइ	दर	कैफियत
1	Brand / Make	Branded international/OEM product; brand to be specified by bidder	पिस		
2	Model	Exact model number to be specified			
3	Country of Origin	Country of origin of proposed product to be specified			
4	Processor	Intel Core i5, 13th Generation or higher, or equivalent/better			
5	CPU Performance	Minimum 10 cores and 12 threads; Turbo frequency 4.60 GHz or higher, or equivalent/better			
6	Cache	Minimum 12 MB or higher			
7	RAM	Minimum 16 GB DDR5, 4800 MT/s or higher			
8	RAM Upgrade	Minimum 32 GB total supported, subject to OEM design			
9	Storage	Minimum 512 GB M.2 PCIeNVMe SSD			
10	Graphics	Integrated Intel Graphics or better			
11	Display Size	Minimum 14 inch			
12	Display Resolution	Minimum Full HD 1920 × 1080			
13	Display Type	IPS or equivalent, LED backlit, anti-glare			
14	Web Camera	Built-in FHD 1080p camera or better; privacy shutter preferred			
15	Audio	Built-in stereo speakers and microphone			
16	Wireless	Wi-Fi 6 (802.11ax) or higher			
17	Bluetooth	Bluetooth 5.0 or higher			
18	LAN	Integrated Gigabit Ethernet RJ-45, 10/100/1000 Mbps, or OEM-supported equivalent			
19	USB Ports	Minimum 2 × USB 3.x ports			
20	USB Type-C	Minimum 1 × USB Type-C			
21	Video Output	Minimum 1 × HDMI or equivalent digital video output			
22	Audio Port	3.5 mm headset/headphone-microphone combo or OEM equivalent			
23	Keyboard / Touchpad	Standard English keyboard and multi-gesture touchpad			
24	Battery	Minimum 45 Wh or higher; fast charging supported/preferred			
25	Power Adapter	Original OEM charger, 65 W or higher or as specified by OEM			
26	Operating System	Genuine Microsoft Windows 11 Pro 64-bit, factory installed and licensed			



दोधारा चाँदनी नगरपालिका नगर कार्यपालिकाको

दोधारा चाँदनी, कञ्चनपुर
सुदूरपश्चिम प्रदेश, नेपाल



पत्र संख्या:-२०८३/०८४ (सूचना प्रविधि शाखा)

चलानी नं.:-

27	Security	TPM 2.0 and UEFI Secure Boot			
28	Weight	Preferably not more than 1.8 kg without charger			
29	Accessories	Original laptop backpack/bag and branded wireless/USB mouse			
30	Warranty	Minimum 3 years parts and service warranty			

3. CPU Core i5

क्र.स.	समानको नाम	विशिष्टीकरण Specification	ईकाइ	दर	कैफियत
1	Brand	Intel	पिस		
2	Processor family	Core i5			
3	CPU cores	Usually 4-14+ cores, depending on generation			
4	Threads	Usually 4-20+			
5	Base clock	Roughly 1.5-4.0 GHz			
6	Turbo clock	Up to around 4.5-5.5 GHz on newer models			
7	Cache	Typically 6-24 MB			
8	Socket	Depends on generation			
9	Integrated graphics	Available on many models			
10	Power/TDP	Varies significantly by desktop/laptop model			
11	Use cases	Office work, programming, browsing, gaming, photo/video editing			

4. LED Desktop 19"

क्र.स.	समानको नाम	विशिष्टीकरण Specification	ईकाइ	दर	कैफियत
1	Product Type	LED Desktop Monitor	पिस		
2	Brand	Branded / International Brand			
3	Screen Size	19 Inch			
4	Panel Type	LED / IPS or equivalent			
5	Resolution	1920 × 1080 (Full HD)			
6	Aspect Ratio	16:9			
7	Refresh Rate	Minimum 60 Hz			
8	Response Time	Maximum 8 ms			
9	Brightness	Minimum 200 cd/m ²			
10	Contrast Ratio	Minimum 600:1			
11	Viewing Angle	Minimum 90° Horizontal / 60° Vertical; wider preferred			



दोधारा चाँदनी नगरपालिका नगर कार्यपालिकाको दोधारा चाँदनी कञ्चनपुर सुदूरपश्चिम प्रदेश, नेपाल



पत्र संख्या:-२०८३/०८४ (सूचना प्रविधि शाखा)
चलानी नं.:-

12	Display Colors	16.7 Million colors			
13	Backlight	LED Backlight			
14	Screen Surface	Anti-Glare			
15	Video Input	Minimum 1 × HDMI + 1 × VGA			
16	Audio	3.5 mm Audio Out/Input, if supported by model			
17	VESA Mount	100 × 100 mm or better			
18	Stand	Tilt-adjustable desktop stand			
19	Eye Protection	Flicker-Free / Low Blue Light preferred			
20	Power Supply	100–240V AC, 50/60Hz or OEM adapter			
21	Power Consumption	Energy efficient; preferably below 25W			
22	Accessories	Power cable/adapter, HDMI/VGA cable and user manual			
23	Warranty	Minimum 1 Year			
24	Condition	Brand New, unused and current production model			

5. 1 TB HDD

क्र.स.	समानको नाम	विशिष्टीकरण Specification	ईकाइ	दर	कैफियत
1	Type	Internal 3.5-inch Hard Disk Drive	पिस		
2	Capacity	1 TB (1,000 GB) minimum			
3	Interface	SATA III / SATA 6 Gb/s			
4	Rotation Speed	7,200 RPM preferred			
5	Cache	Minimum 64 MB			
6	Form Factor	3.5 inch			
7	Sector Format	512e or 4Kn			
8	Use	Desktop/office computing and general data storage			
9	MTBF	Minimum 1,000,000 hours or manufacturer equivalent			
10	Operating Temperature	Suitable for normal office environment			
11	Compatibility	Compatible with supplied desktop computer and Windows 11 Pro 64-bit			
12	Warranty	Minimum 3 years or manufacturer's standard warranty, whichever is longer			

हरिश चन्द्र जोशी
प्रमुख प्रशासकीय अधिकृत



दोधारा चाँदनी नगरपालिका नगर कार्यपालिकाको



पत्र संख्या:-२०८३/०८४ (सूचना प्रविधि शाखा)
चलानी नं.:-

दोधारा चाँदनी, कञ्चनपुर
सुदूरपश्चिम प्रदेश, नेपाल

6. Pen Drive 32 GB

क्र.स.	समानको नाम	विशिष्टीकरण Specification	ईकाइ	दर	कैफियत
1	Capacity	32 GB minimum	पिस		
2	Type	USB Flash Drive			
3	Interface	USB 3.0 / USB 3.2 Gen 1 or better			
4	Connector	USB Type-A			
5	Read Speed	Minimum 80 MB/s preferred			
6	Write Speed	Minimum 20 MB/s preferred			
7	Compatibility	Windows 10/11 and compatible systems			
8	Plug & Play	Required			
9	Body	Durable, compact design			
10	Data Protection	Manufacturer's standard protection			
11	Warranty	Minimum 3 years			

7. Pen Drive 64 GB

क्र.स.	समानको नाम	विशिष्टीकरण Specification	ईकाइ	दर	कैफियत
1	Capacity	32 GB minimum	पिस		
2	Type	USB Flash Drive			
3	Interface	USB 3.0 / USB 3.2 Gen 1 or better			
4	Connector	USB Type-A			
5	Read Speed	Minimum 80 MB/s preferred			
6	Write Speed	Minimum 20 MB/s preferred			
7	Compatibility	Windows 10/11 and compatible systems			
8	Plug & Play	Required			
9	Body	Durable, compact design			
10	Data Protection	Manufacturer's standard protection			
11	Warranty	Minimum 3 years			

8. Keyboard

क्र.स.	समानको नाम	विशिष्टीकरण Specification	ईकाइ	दर	कैफियत
1	Type	Full-size wired USB keyboard	पिस		
2	Connection	USB 2.0 or USB 3.0			
3	Layout	Standard QWERTY			
4	Keys	Minimum 104 keys			
5	Numeric Keypad	Required			



दोधारा चाँदनी नगरपालिका

नगर कार्यपालिकाको

दोधारा चाँदनी, कञ्चनपुर
सुदूरपश्चिम प्रदेश, नेपाल



पत्र संख्या:-२०८३/०८४ (सूचना प्रविधि शाखा)
चलानी नं.:-

6	Key Type	Membrane or equivalent			
7	Cable Length	Minimum 1.5 m			
8	Compatibility	Windows 10/11 and compatible systems			
9	Plug & Play	Required			
10	Language	English; additional local-language layout if required			
11	Construction	Durable, suitable for continuous office use			
12	Spill Resistance	Preferred			
13	Warranty	Minimum 1 year			

9. Mouse

क्र.स.	समानको नाम	विशिष्टीकरण Specification	ईकाइ	दर	कैफियत
1	Type	Wired optical mouse	पिस		
2	Connection	USB			
3	Buttons	Minimum 3 buttons including scroll wheel			
4	Sensor	Optical			
5	Resolution	Minimum 1000 DPI			
6	Cable Length	Minimum 1.5 m			
7	Design	Ambidextrous or ergonomic			
8	Compatibility	Windows 10/11			
9	Plug & Play	Required			
10	Scroll Wheel	Required			
11	Construction	Durable, suitable for office use			
12	Warranty	Minimum 1 year			

10. multi-plug power extension board

क्र.स.	समानको नाम	विशिष्टीकरण Specification	ईकाइ	दर	कैफियत
1	Type	Heavy-duty multi-plug power extension board	पिस		
2	Number of Sockets	Minimum 6 universal/standard sockets			
3	Input Voltage	220-240 V AC			
4	Frequency	50 Hz			
5	Rated Current	Minimum 10 A			
6	Rated Power	Minimum 2,000 W			
7	Plug	3-pin grounded plug			
8	Cable	Minimum 1.5 m, preferably 2.0 m			
9	Cable Size	Minimum 3 × 1.5 mm ² copper conductor			



दोधारा चाँदनी नगरपालिका नगर कार्यपालिकाको दोधारा चाँदनी, कञ्चनपुर सुदूरपश्चिम प्रदेश, नेपाल



पत्र संख्या:-२०८३/०८४ (सूचना प्रविधि शाखा)
चलानी नं.:-

10	Switch	Individual or master ON/OFF switch			
11	Indicator	Power ON indicator			
12	Protection	Overload and short-circuit protection			
13	Surge Protection	Preferred/required for computer equipment			
14	Earthing	Properly earthed			
15	Housing	Flame-retardant, heat-resistant durable material			
16	Safety Shutter	Preferred			
17	Mounting	Wall/desk mountable where applicable			
18	Certification	Applicable national safety standard/certification			
19	Warranty	Minimum 1 year			

11. Color Laser Multifunction Printer

क्र.स.	समानको नाम	विशिष्टीकरण Specification	ईकाइ	दर	कैफियत
1	Type	Color Laser Multifunction Printer			
2	Functions	Print, Scan, Copy			
3	Print Technology	Color Laser			
4	Print Speed	Minimum 20 ppm for A4 black & white and color			
5	Print Resolution	Minimum 1200 × 1200 dpi			
6	Paper Size	A4 minimum; A5 and other common sizes supported			
7	Duplex Printing	Automatic duplex printing			
8	ADF	Automatic Document Feeder, minimum 30 sheets	पिस		
9	Scanner	Flatbed + ADF scanner			
10	Scan Resolution	Minimum 600 × 600 dpi			
11	Copy Resolution	Minimum 600 × 600 dpi			
12	Paper Input	Minimum 250-sheet input tray			
13	Output Tray	Minimum 100 sheets			
14	Connectivity	USB 2.0 or better + Gigabit Ethernet			
15	Wireless	Wi-Fi 802.11ac or better, preferred			
16	Display	LCD/LED control panel			
17	Network Printing	Required			



दोधारा चाँदनी नगरपालिका नगर कार्यपालिकाको दोधारा चाँदनी, कञ्चनपुर सुदूरपश्चिम प्रदेश, नेपाल



पत्र संख्या:-२०८३/०८४ (सूचना प्रविधि शाखा)
चलानी नं.:-

18	Mobile Printing	AirPrint/Mopria or equivalent, preferred			
19	Monthly Duty Cycle	Minimum 20,000 pages			
20	Toner	Standard/High-yield toner cartridges			
21	Operating System	Compatible with Windows 10/11			
22	Security	Secure network printing and administrator controls			
23	Power Supply	220–240 V AC, 50 Hz			
24	Warranty	Minimum 1 year onsite or manufacturer's warranty			

12. Cartage canon lbp2900, brother 2540DW and Pantum M7102DW

क्र.स.	समानको नाम	विशिष्टीकरण Specification	Approx. Yield*	Printer Type	ईकाइ	दर	कैफियत
1	Canon LBP2900 / LBP2900B	Black toner cartridge	~2,000 pages	Monochrome laser	पिस		
2	Brother HL-L2540DW	Black toner	~1,200 / ~2,600 pages	Monochrome laser			
3	Pantum M7102DW/M7102	Black toner	~1,500 / ~3,000 pages depending on cartridge	Monochrome laser			

13. Canon Printer Ink

क्र.स.	समानको नाम	विशिष्टीकरण Specification	ईकाइ	दर	कैफियत
1	Type	Genuine Canon ink cartridge / original manufacturer ink	पिस		
2	Compatibility	Fully compatible with the specified Canon printer model			
3	Ink Type	Pigment or dye-based, as required by the printer model			
4	Colors	Black, Cyan, Magenta and Yellow (CMYK), where applicable			
5	Cartridge Type	Standard or high-yield, as specified			
6	Page Yield	As per manufacturer's ISO/IEC-rated yield			
7	Print Quality	Suitable for clear text, graphics and color documents			
8	Drying	Fast-drying, smear-resistant			
9	Packaging	Original sealed manufacturer packaging			
10	Expiry/Shelf Life	Valid shelf life at time of delivery			

Website:- dodharachandanimun.gov.np
E-mail:- info@dodharachandanimun.gov.np

999:400184

हरिश चन्द्र जोशी
आफ्नो अधिकृत



दोधारा चाँदनी नगरपालिका नगर कार्यपालिकाको दोधारा चाँदनी, कञ्चनपुर सुदूरपश्चिम प्रदेश, नेपाल



पत्र संख्या:-२०८३/०८४ (सूचना प्रविधि शाखा)
चलानी नं.:-

11	Chip/Recognition	Printer-compatible cartridge recognition required			
12	Warranty	Manufacturer's warranty or replacement against manufacturing defects			

14. CAT6 UTP Network Cable and RJ45 Connector

क्र.स.	समानको नाम	विशिष्टीकरण Specification	ईकाइ	दर	कैफियत
1	Cable Type	CAT6 UTP (Unshielded Twisted Pair)	पिस		
2	Conductor	Solid bare copper			
3	Conductor Size	23 AWG preferred			
4	Pairs	4 pairs / 8 conductors			
5	Impedance	100 Ω			
6	Bandwidth	Up to 250 MHz			
7	Data Rate	1 Gbps minimum; suitable for 10 Gbps over supported distances			
8	Maximum Channel Length	Up to 100 m			
9	Jacket	PVC, LSZH where required			
10	Insulation	Suitable for CAT6 standards			
11	Standards	ANSI/TIA-568.2-D and ISO/IEC 11801 or equivalent			
12	Color	As specified by purchaser			
13	Conductor	100% copper; CCA cable not acceptable			
14	Application	Ethernet/LAN, computer networking, IP devices			
15	Packaging	305 m box preferred			
16	Certification	Manufacturer's compliance/certification required			
17	Type	RJ45 / 8P8C			
18	Category	CAT6 compatible			
19	Contacts	8-pin			
20	Plating	Gold-plated contacts, preferably 50 μ m or better			
21	Housing	Transparent/clear polycarbonate or equivalent			
22	Conductor Support	Suitable for 23-24 AWG CAT6 cable			
23	Wiring Standard	T568A/T568B			
24	Compatibility	CAT6 UTP cable			
25	Boot	Protective boot recommended			
26	Application	Ethernet LAN			



पत्र संख्या:-२०८३/०८४ (सूचना प्रविधि शाखा)
चलानी नं.:-

दोधारा चाँदनी नगरपालिका नगर कार्यपालिकाको

दोधारा चाँदनी, कञ्चनपुर
सुदूरपश्चिम प्रदेश, नेपाल



27	Quality	New, unused and manufacturer-certified			
----	---------	--	--	--	--

15. 96-Inch Smart Interactive Board

क्र.स.	समानको नाम	विशिष्टीकरण Specification	ईकाइ	दर	कैफियत
1	Type	Interactive Flat Panel Display / Smart Interactive Board	पिस		
2	Screen Size	96 inches or larger			
3	Display Technology	LED/LCD			
4	Resolution	Minimum 4K UHD (3840 × 2160)			
5	Aspect Ratio	16:9			
6	Touch Technology	Capacitive/IR or equivalent			
7	Touch Points	Minimum 20-point multi-touch			
8	Touch Accuracy	≤ 2 mm preferred			
9	Touch Response	≤ 10 ms preferred			
10	Brightness	Minimum 350 cd/m ²			
11	Contrast Ratio	Minimum 1,200:1			
12	Viewing Angle	Minimum 178° horizontal/vertical			
13	Panel Life	Minimum 30,000 hours			
14	Glass	Anti-glare, tempered/protective glass			
15	Writing	Finger and passive stylus support			
16	Operating System	Android 13 or newer, or current equivalent			
17	RAM	Minimum 8 GB			
18	Internal Storage	Minimum 128 GB			
19	Processor	Quad-core or better			
20	Wi-Fi	Dual-band Wi-Fi			
21	Bluetooth	Bluetooth 5.0 or better			
22	LAN	Gigabit Ethernet			
23	HDMI Input	Minimum 3 × HDMI			
24	USB	Minimum 4 × USB, including USB 3.0			
25	DisplayPort	Preferred			
26	Audio Output	Required			
27	Built-in Speakers	Minimum 2 × 15 W or better			
28	Microphone	Built-in microphone preferred			
29	Camera	Built-in camera preferred, if video conferencing is required			
30	Screen Sharing	Wireless screen sharing required			
31	PC Connectivity	USB touch interface + HDMI/DisplayPort			



दोधारा चाँदनी नगरपालिका नगर कार्यपालिकाको दोधारा चाँदनी, कञ्चनपुर सुदूरपश्चिम प्रदेश, नेपाल



पत्र संख्या:-२०८३/०८४ (सूचना प्रविधि शाखा)
चलानी नं.:-

32	Annotation	Required			
33	Whiteboard Software	Built-in interactive whiteboard application			
34	File Support	PDF, PPT/PPTX, DOC/DOCX, JPG, PNG and common formats			
35	Wall Mount	Heavy-duty VESA-compatible wall mount included			
36	Power	220-240 V AC, 50 Hz			
37	Power Consumption	To be stated by bidder			
38	Warranty	Minimum 3 years onsite			
39	Accessories	Minimum 2 styluses, remote control, power cable, wall mount and required connection cables			

Recommended additional requirements

For a training room, meeting room, or municipal office, I would also include:

- **OPS/slot-in PC support** for running Windows applications directly on the board.
- Wireless casting from **Windows, Android, iOS and macOS**.
- USB-C with **video + touch + charging** support.
- Built-in screen recording.
- QR-code or PIN-based wireless sharing.
- Automatic brightness adjustment.
- Screen lock/security controls.
- Remote device management capability.
- Firmware/software updates.
- Energy-saving/sleep mode.

16. Inverter and Battery

क्र.स.	समानको नाम	विशिष्टीकरण Specification	ईकाइ	दर	कैफियत
1	Type	Pure sine-wave inverter	पिस		
2	Capacity	1700 VA minimum			
3	Rated Output	Minimum 1,360 W or as per manufacturer VA/W rating			
4	Input Voltage	12 V DC battery system			
5	Output Voltage	220-240 V AC			
6	Frequency	50 Hz			
7	Waveform	Pure sine wave			
8	Efficiency	Minimum 85%			
9	Changeover Time	≤ 10 ms preferred			
10	Protection	Overload, short circuit, over-temperature, deep-discharge and over-charge protection			
11	Battery Type	Compatible with 12 V, 160 Ah battery			



दोधारा चाँदनी नगरपालिका नगर कार्यपालिकाको दोधारा चाँदनी, कैलाली प्रदेश सुदूरपश्चिम प्रदेश, नेपाल



पत्र संख्या:-२०८३/०८४ (सूचना प्रविधि शाखा)
चलानी नं.:-

12	Charging	Built-in intelligent/automatic battery charger			
13	Display	LCD/LED status and battery indication			
14	Low Battery Alarm	Required			
15	Output Sockets	Minimum 2			
16	Earthing	Required			
17	Operating Temperature	Suitable for normal indoor office environment			
18	Warranty	Minimum 2 years			
19	Capacity	850 VA minimum			
20	Rated Output	Minimum 680 W or as per manufacturer rating			
21	Input	12 V DC			
22	Output	220-240 V AC			
23	Frequency	50 Hz			
24	Waveform	Pure sine wave			
25	Efficiency	Minimum 85%			
26	Changeover Time	≤ 10 ms preferred			
27	Battery Compatibility	12 V, 160 Ah			
28	Charging	Automatic/intelligent charging			
29	Protection	Overload, short circuit, over-temperature, over-charge and deep-discharge protection			
30	Type	Deep-cycle tubular battery			
31	Nominal Voltage	12 V DC			
32	Capacity	160 Ah			
33	Technology	Tubular lead-acid / deep-cycle			
34	Plate Design	Tubular positive plate			
35	Electrolyte	Suitable electrolyte supplied by manufacturer			
36	Maintenance	Low-maintenance preferred			
37	Cycle Life	Manufacturer to state			
38	Terminal	Heavy-duty corrosion-resistant terminals			
39	Container	Acid-resistant, heat-resistant housing			
40	Safety	Spill/leak-resistant construction			
41	Application	Inverter/UPS/solar backup			
42	Charging	Compatible with supplied inverter			
43	Warranty	Minimum 3 years preferred			



पत्र संख्या:-२०८३/०८४ (सूचना प्रविधि शाखा)
चलानी नं.:-

दोधारा चाँदनी नगरपालिका नगर कार्यपालिकाको दोधारा चाँदनी, कञ्चनपुर सुदूरपश्चिम प्रदेश, नेपाल



17. CCTV AND VIDEO SURVEILLANCE

2 MP Smart Hybrid-Light Fixed Bullet Network Camera

क्र.स.	समानको नाम	विशिष्टीकरण Specification	ईकाइ	दर	कैफियत
1	Camera Type	Outdoor Fixed Bullet IP Camera	पिस		
2	Image Sensor	1/2.9-inch Progressive Scan CMOS or better			
3	Resolution	Minimum 1920 × 1080, 2 MP			
4	Frame Rate	Minimum 25 fps at full resolution			
5	Minimum Illumination	Color 0.005 Lux or better			
6	Lens	Fixed 2.8 mm or 4 mm option			
7	Aperture	F1.6 or better			
8	Day/Night	True Day/Night with IR-cut filter			
9	Supplemental Light	IR + White Light Smart Hybrid illumination			
10	Illumination Distance	Minimum 30 m			
11	Compression	H.265+/H.265/H.264+/H.264 or equivalent			
12	Smart Detection	Human and Vehicle classification/detection			
13	Microphone	Built-in microphone			
14	Noise Filtering	Yes			
15	WDR	Digital WDR or better			
16	Image Enhancement	BLC, HLC, 3D DNR			
17	Network	10/100 Mbps RJ45 Ethernet			
18	Protocol	TCP/IP, HTTP/HTTPS, RTP, RTSP, NTP, DHCP, IPv4/IPv6			
19	Interoperability	ONVIF Profile S/T or equivalent open protocol			
20	Power	12 VDC and IEEE 802.3af PoE			
21	Protection	Minimum IP67			
22	Operating Temperature	Approximately -30°C to +60°C or wider			
23	Storage	MicroSD slot preferred where required			
24	Warranty	Minimum 1 year			

18. 4 MP Full-Color Smart Hybrid-Light Bullet Network Camera

क्र.स.	समानको नाम	विशिष्टीकरण Specification	ईकाइ	दर	कैफियत
1	Camera Type	Outdoor Fixed Bullet IP Camera	पिस		
2	Sensor	Minimum 1/3-inch Progressive Scan CMOS			



दोधारा चाँदनी नगरपालिका नगर कार्यपालिकाको

दोधारा चाँदनी, कञ्चनपुर
सुदूरपश्चिम प्रदेश, नेपाल



पत्र संख्या:-२०८३/०८४ (सूचना प्रविधि शाखा)
चलानी नं.:-

3	Resolution	Minimum 4 MP, 2560 × 1440
4	Lens	2.8 mm or 4 mm fixed lens
5	Aperture	F1.0 or better
6	Minimum Illumination	Color 0.0005 Lux or better
7	Full Color	24/7 low-light full-color imaging
8	Smart Light	Integrated IR + White Light Hybrid illumination
9	Illumination Range	Minimum 30 m
10	AI Function	Person and Vehicle classification
11	WDR	Minimum 120 dB
12	SNR	Minimum 52 dB
13	Compression	H.265+/H.265/H.264+/H.264
14	Microphone	Built-in microphone
15	Noise Filtering	Yes
16	Network	RJ45 10/100 Mbps
17	Protocol	TCP/IP, RTSP, HTTP, IPv4/IPv6, DHCP, NTP etc.
18	Interoperability	ONVIF Profile S and other relevant current profiles
19	Power	12 VDC and IEEE 802.3af PoE
20	Protection	Minimum IP67
21	Operating Temperature	Approx. -30°C to +60°C
22	Storage	On-board microSD capability preferred where required
23	Warranty	Minimum 1 year

19. 4 MP 25× Optical Zoom Network PTZ Camera

क्र.स.	समानको नाम	विशिष्टीकरण Specification	ईकाइ	दर	कैफियत
1	Camera Type	Outdoor Network IR PTZ / Speed Dome	पिस		
2	Sensor	Minimum 1/2.8-inch Progressive Scan CMOS			
3	Resolution	Minimum 4 MP, 2560 × 1440			
4	Frame Rate	Minimum 25 fps; 30 fps preferred			
5	Optical Zoom	Minimum 25×			
6	Digital Zoom	Minimum 16×			
7	Focal Length	Approx. 4.8–120 mm or equivalent			
8	Aperture	Maximum F1.6 or better			
9	Color Illumination	0.005 Lux or better			
10	B/W Illumination	0.001 Lux or better			
11	IR Distance	Minimum 100 m			
12	Pan Range	Continuous 360°			



दोधारा चाँदनी नगरपालिका नगर कार्यपालिकाको दोधारा चाँदनी, काठमान्डौ सुदूरपश्चिम प्रदेश, नेपाल



पत्र संख्या:-२०८३/०८४ (सूचना प्रविधि शाखा)
चलानी नं.:-

13	Tilt Range	Approximately -15° to +90°, auto-flip			
14	PTZ Speed	Configurable; minimum preset speed around 80°/sec			
15	Presets	Minimum 300			
16	Patrols	Minimum 8 patrol sequences			
17	WDR	Minimum 120 dB			
18	EIS	Electronic Image Stabilization			
19	Defog	Digital defog			
20	Compression	H.265+/H.265/H.264+/H.264			
21	Smart Analytics	Human/Vehicle classification and perimeter analytics			
22	Face Capture	Face capture capability desirable			
23	Storage	Built-in microSD support minimum 256 GB			
24	Audio	Audio input/output			
25	Alarm	Alarm input/output			
26	Network	RJ45 Ethernet			
27	Security	HTTPS, 802.1X, TLS and password protection			
28	Interoperability	ONVIF Profile S/G/T or equivalent			
29	Power	12 VDC and IEEE 802.3at PoE+			
30	Protection	Minimum IP66			
31	Surge Protection	Lightning/surge protection equivalent to 6 kV TVS preferred			
32	Operating Temperature	Approximately -30°C to +65°C			
33	Warranty	Minimum 1 year			

20. Outdoor SIP / IP Horn Speaker IP AUDIO AND VOIP

क्र.स.	समानको नाम	विशिष्टीकरण Specification	ईकाइ	दर	कैफियत
1	Type	Network/SIP Outdoor Horn Speaker	पिस		
2	Rated Power	Minimum 30 W			
3	Amplifier	Integrated 30 W amplifier			
4	Max SPL	Minimum 115 dB; 120 dB or higher preferred			
5	Microphone	Built-in microphone for talk-back preferred			
6	Communication	SIP/VoIP compatible			
7	SIP	SIP RFC 3261 compatible			
8	SIP Accounts	Minimum 1; 2 preferred			
9	Multicast	RTP multicast paging supported			
10	Paging	SIP paging, multicast/group paging			
11	Audio Codec	Minimum G.711 and G.722; Opus preferred			



दोधारा चाँदनी नगरपालिका नगर कार्यपालिकाको दोधारा चाँदनी कञ्चनपुर सुदूरपश्चिम प्रदेश, नेपाल



पत्र संख्या:-२०८३/०८४ (सूचना प्रविधि शाखा)
चलानी नं.:-

12	ONVIF	ONVIF interoperability desirable			
13	Network	RJ45 10/100 Base-TX			
14	Protocol	SIP, RTP, RTSP, HTTP/HTTPS, DHCP, TCP, UDP, NTP			
15	Security	Password protection, HTTPS/TLS; SRTP preferred			
16	Power	IEEE 802.3at PoE+ and/or 12/24 VDC			
17	Alarm Input	Minimum 1 alarm/dry-contact input preferred			
18	Audio Input	Preferred			
19	Mounting	Wall/Pole mounting bracket			
20	Outdoor Protection	Minimum IP66			
21	Temperature	Approximately -30°C to +55/60°C			
22	Application	School/office announcement, emergency paging, security alert and scheduled PA			
23	Warranty	Minimum 1 year			

21. Indoor SIP Paging / Talk-Back Speaker

क्र.स.	समानको नाम	विशिष्टीकरण Specification	ईकाइ	दर	कैफियत
1	Speaker Type	Ceiling/Wall SIP Paging Speaker			
2	Output	Minimum 15 W; 30 W preferred for larger rooms			
3	Communication	SIP and multicast			
4	Audio	HD/Wideband audio			
5	Codecs	G.711, G.722 and Opus or equivalent			
6	Talk-back	Full-duplex talk-back where required			
7	Microphones	Directional microphone array preferred			
8	Echo Cancellation	Acoustic Echo Cancellation			
9	Network	10/100 Mbps Ethernet			
10	Power	PoE/PoE+			
11	SIP Paging	Supported			
12	Multicast Paging	Supported			
13	Security	TLS, SRTP, HTTPS and 802.1X desirable			
14	Auxiliary Input	Dry contact/call button input preferred			
15	Management	Web-based remote configuration and firmware upgrade			



पत्र संख्या:-२०८३/०८४ (सूचना प्रविधि शाखा)
चलानी नं.:-

दोधारा चाँदनी नगरपालिका नगर कार्यपालिकाको दोधारा चाँदनी, कञ्चनपुर सुदूरपश्चिम प्रदेश, नेपाल



22. Desktop IP / VoIP Telephone

क्र.स.	समानको नाम	विशिष्टीकरण Specification	ईकाइ	दर	कैफियत
1	Type	SIP-based Desktop IP Phone	पिस		
2	Lines	Minimum 2 lines			
3	SIP Accounts	Minimum 4 SIP accounts			
4	Display	Minimum 2.4-inch backlit graphical display			
5	SIP Standard	SIP RFC 3261			
6	Ethernet	Dual switched Ethernet ports			
7	Speed	Gigabit Ethernet preferred			
8	PoE	IEEE 802.3af integrated PoE			
9	Audio	HD handset and full-duplex speakerphone			
10	Codec	G.711, G.722, G.729 and Opus or equivalent			
11	Noise Reduction	Digital/AI noise suppression preferred			
12	Conference	Minimum 5-way audio conference			
13	Headset	RJ9/EHS headset support			
14	VLAN	IEEE 802.1Q			
15	QoS	802.1p/DSCP			
16	Security	TLS, SRTP, HTTPS, secure provisioning			
17	IPv6	Supported			
18	Provisioning	HTTP/HTTPS/TFTP or centralized provisioning			
19	Power Adapter	Included when PoE is not used			
20	Warranty	Minimum 1 year			

23. Six-Core Outdoor Single-Mode Optical Fiber Cable

क्र.स.	समानको नाम	विशिष्टीकरण Specification	ईकाइ	दर	कैफियत
1	Fiber Count	6 Core	पिस		
2	Fiber Type	Single-mode OS2			
3	Standard	ITU-T G.652.D			
4	Fiber Size	9/125 μm nominal			
5	Construction	Outdoor central loose tube / equivalent			
6	Jacket	Black PE/HDPE/LLDPE UV-resistant			
7	Water Blocking	Water-blocking construction			
8	Application	Outdoor duct and/or direct burial depending on installation			
9	Armoring	Dielectric armor or corrugated steel armor according to site requirement			
10	Attenuation at 1310 nm	≤ 0.36 dB/km preferred			



दोधारा चाँदनी नगरपालिका नगर कार्यपालिकाको



पत्र संख्या:-२०८३/०८४ (सूचना प्रविधि शाखा)
चलानी नं.:-

दोधारा चाँदनी, कञ्चनपुर
सुदूरपश्चिम प्रदेश, नेपाल

11	Attenuation at 1550 nm	≤ 0.22 dB/km preferred			
12	Crush Resistance	Minimum 1500 N/10 cm; 2000 N/10 cm preferred for steel-armored cable			
13	Installation Tensile Strength	Minimum 1000 N			
14	Operating Temperature	Minimum around -20°C to +60°C			
15	Color Coding	Individual six-core color identification			
16	Drum	Factory-sealed drum/reel with meter marking			
17	Testing	OTDR and optical power meter test after installation			

24. 8-Port Gigabit PoE+ Switch

क्र.स.	समानको नाम	विशिष्टीकरण Specification	ईकाइ	दर	कैफियत
1	Ports	8 × 10/100/1000 Mbps RJ45	पिस		
2	PoE Ports	Minimum 4; all 8 preferred			
3	PoE Standard	IEEE 802.3af/802.3at			
4	Per-Port PoE	Up to 30 W			
5	PoE Budget	Minimum 60–65 W			
6	Switching	Wire-speed Gigabit			
7	Auto Negotiation	Supported			
8	Auto MDI/MDIX	Supported			
9	QoS	802.1p/DSCP			
10	PoE Recovery	Automatic PoE device recovery preferred			
11	Long-Range Mode	Up to approximately 250 m optional/desired for CCTV			
12	Installation	Desktop or wall mount			
13	Power	100–240 VAC			
14	Warranty	Minimum 1 year			

25. 16-Port Gigabit PoE+ Switch

क्र.स.	समानको नाम	विशिष्टीकरण Specification	ईकाइ	दर	कैफियत
1	RJ45	Minimum 16 × Gigabit Ethernet	पिस		
2	PoE	Minimum 16 × IEEE 802.3af/at PoE+			
3	Uplink	Minimum 2 dedicated Gigabit/SFP uplink ports preferred			
4	PoE per Port	Up to 30 W			
5	Total PoE Budget	Minimum 150 W			
6	Switching Capacity	Minimum 32 Gbps or better			
7	VLAN	IEEE 802.1Q where managed			
8	QoS	802.1p/DSCP			



दोधारा चाँदनी नगरपालिका नगर कार्यपालिकाको दोधारा चाँदनी, कञ्चनपुर सुदूरपश्चिम प्रदेश, नेपाल



पत्र संख्या:-२०८३/०८४ (सूचना प्रविधि शाखा)
चलानी नं.:-

9	Loop Prevention	STP/RSTP where managed			
10	PoE Management	Power priority, auto recovery, per-port status			
11	Rack Mount	19-inch rack-mountable preferred			
12	Power	100–240 VAC			

26. 24-Port Managed Gigabit PoE+ Network Switch

क्र.स.	समानको नाम	विशिष्टीकरण Specification	ईकाइ	दर	कैफियत
1	Copper Ports	24 × Gigabit RJ45	पिस		
2	PoE Ports	24			
3	PoE Standard	IEEE 802.3af/at			
4	PoE Power	Up to 30 W per port			
5	PoE Budget	Minimum 250 W; 300–380 W preferred			
6	SFP	Minimum 2; 4 SFP ports preferred			
7	MAC Table	Minimum 8K; 16K preferred			
8	VLAN	IEEE 802.1Q, minimum 256 VLAN support preferred			
9	STP	STP/RSTP/MSTP			
10	Link Aggregation	LACP			
11	QoS	Layer 2/Layer 3 QoS			
12	IGMP	IGMP Snooping			
13	Security	802.1X, ACL, DHCP Snooping, DoS protection preferred			
14	IPv6	Supported			
15	Management	Web GUI and SNMP; CLI desirable			
16	Rack	Standard 19-inch, 1U			
17	Power	Internal 100–240 VAC			
18	Warranty	Minimum 1 year			

27. Gigabit Unmanaged Ethernet Switch

Applicable Sizes: 8 Port / 16 Port / 24 Port

क्र.स.	समानको नाम	विशिष्टीकरण Specification	ईकाइ	दर	कैफियत
1	Ethernet	All ports 10/100/1000 Mbps	पिस		
2	Switching	Non-blocking wire-speed architecture			
3	Auto Negotiation	Supported			
4	Auto MDI/MDIX	Supported			
5	Standards	IEEE 802.3, 802.3u, 802.3ab			
6	Flow Control	IEEE 802.3x			
7	Jumbo Frame	Supported preferred			
8	Energy Efficient Ethernet	IEEE 802.3az desirable			
9	Installation	Desktop for small models; rack-mountable for 24-port			



दोधारा चाँदनी नगरपालिका नगर कार्यपालिकाको दोधारा चाँदनी, कञ्चनपुर सुदूरपश्चिम प्रदेश, नेपाल



पत्र संख्या:-२०८३/०८४ (सूचना प्रविधि शाखा)
चलानी नं.:-

10	Power	100-240 VAC or OEM external adapter depending on model			
----	-------	--	--	--	--

28. 24-Port Layer-2 Managed Network Switch

क्र.स.	समानको नाम	विशिष्टीकरण Specification	ईकाइ	दर	कैफियत
1	RJ45	24 x 10/100/1000 Mbps	पिस		
2	SFP	Minimum 4 x Gigabit SFP			
3	Switching Capacity	Minimum 56 Gbps			
4	Forwarding	Wire-speed			
5	VLAN	IEEE 802.1Q			
6	STP	STP/RSTP/MSTP			
7	Link Aggregation	Static/LACP			
8	QoS	802.1p/DSCP			
9	Multicast	IGMP Snooping			
10	Management	Web, SNMP and CLI			
11	Security	ACL, 802.1X, port security, DHCP snooping			
12	IPv6	Supported			
13	Rack	19-inch rack mount			

29. A4 Monochrome Laser Multifunction Printer

क्र.स.	समानको नाम	विशिष्टीकरण Specification	ईकाइ	दर	कैफियत
1	Functions	Print, Copy, Scan, Fax	पिस		
2	Technology	Monochrome Laser			
3	Paper Size	Up to A4/Legal			
4	Print Speed	Minimum 40 ppm A4			
5	Duplex Print	Automatic			
6	Duplex Speed	Approximately 30 ipm or better			
7	Print Resolution	Minimum 1200 x 1200 dpi			
8	First Page	Approximately 7 seconds or less			
9	Duty Cycle	Minimum 80,000 pages/month maximum duty class			
10	Recommended Monthly Volume	Around 750-4,000 pages or higher			
11	ADF	Minimum 50-sheet			
12	Duplex Scan	Automatic duplex ADF scanning preferred			
13	Flatbed Scan Resolution	Minimum 1200 x 1200 dpi			
14	Paper Input	Minimum 350 sheets total			
15	Output	Minimum 150 sheets			
16	Ethernet	Gigabit Ethernet			
17	Wi-Fi	Built-in Wi-Fi			
18	Wi-Fi Direct	Supported			
19	USB	High-speed USB			



दोधारा चाँदनी नगरपालिका नगर कार्यपालिकाको दोधारा चाँदनी, कञ्चनपुर सुदूरपश्चिम प्रदेश, नेपाल



पत्र संख्या:-२०८३/०८४ (सूचना प्रविधि शाखा)
चलानी नं.:-

20	Mobile Print	Air Print/Mopria or equivalent			
21	Memory	Minimum 512 MB			
22	Display	Color touch display preferred			
23	Print Language	PCL6 and PostScript emulation or equivalent			
24	Warranty	Minimum 1-year local warranty			

30. A4 Color Ink-Tank Multifunction Printer

क्र.स.	समानको नाम	विशिष्टीकरण Specification	ईकाइ	दर	कैफियत
1	Functions	Print, Scan, Copy; Fax desirable	पिस		
2	Technology	Refillable Ink Tank			
3	Color	Color			
4	Paper	A4			
5	Print Speed	Minimum 15 ipm black and 8 ipmcolor ISO-class			
6	Automatic Duplex	Required			
7	ADF	Required, minimum 30 sheets			
8	Connectivity	USB, Wi-Fi, Wi-Fi Direct			
9	Ethernet	Required for office/network use			
10	Mobile Printing	Supported			
11	Display	LCD/Touch screen preferred			
12	Ink	High-yield individual refill bottles			
13	Print Head	Permanent/replaceable serviceable print-head architecture			
14	Warranty	Minimum 1 year			
15	Use	Color reports, certificates, office documents, graphics and low-cost color printing			

31. A3 Monochrome Digital Photocopier / Multifunction Machine

क्र.स.	समानको नाम	विशिष्टीकरण Specification	ईकाइ	दर	कैफियत
1	Functions	Print, Copy, Scan	पिस		
2	Fax	Optional or required according to BOQ			
3	Print Technology	Laser/Digital			
4	Color Output	Black & White			
5	Maximum Paper Size	A3			
6	Minimum Paper Size	A6/A5 class			
7	A4 Speed	Minimum 25 ppm; 28 ppm preferred			
8	A3 Speed	Minimum 15 ppm			
9	Duplex	Standard automatic duplex			
10	ADF	Automatic Document Feeder required			
11	Scan	Color network scanning			
12	Copy Resolution	Minimum 600 × 600 dpi			



दोधारा चाँदनी नगरपालिका नगर कार्यपालिकाको

दोधारा चाँदनी, कञ्चनपुर
सुदूरपश्चिम प्रदेश, नेपाल



पत्र संख्या:-२०८३/०८४ (सूचना प्रविधि शाखा)
चलानी नं.:-

13	Print Resolution	Minimum 600 × 600 dpi; higher preferred			
14	Continuous Copy	Minimum 999 copies; enterprise models up to 9,999 preferred			
15	Zoom	25%–400%			
16	Standard Paper Capacity	Minimum 500 sheets plus bypass tray			
17	Expandable Paper	Additional trays supported			
18	RAM	Minimum 2 GB; 4 GB preferred			
19	Internal Storage	SSD/eMMC, minimum 64 GB; 128 GB preferred			
20	Ethernet	10/100/1000 Base-T			
21	USB	USB 2.0 or later			
22	IPv6	Supported			
23	Print Language	PCL6; PostScript compatibility desirable			
24	User Control	Department/user authentication desirable			
25	Security	IP/MAC filtering, HTTPS/TLS and access control desirable			
26	Pedestal	Appropriate cabinet/pedestal where required			
27	Warranty	Minimum 1 year with local parts/service support			

32. Multifunctional Projector with sound System

क्र.स.	समानको नाम	विशिष्टीकरण Specification	ईकाइ	दर	कैफियत
1	Projection Size	Approximately 30"–300"	पिस		
2	Throw Ratio	Approximately 1.3–1.7			
3	Keystone Correction	Vertical ±40° or better			
4	Zoom	Minimum 1.1× optical zoom			
5	Light Source	LED or Laser preferred; lamp acceptable			
6	Light Source/Lamp Life	Minimum 15,000 hours; LED/Laser preferably 20,000–30,000+ hours			
7	Built-in Speaker	Minimum 10W			
8	Audio Output	3.5 mm Audio Out; Bluetooth preferred			
9	HDMI	Minimum 2 × HDMI			
10	USB	Minimum 1 × USB Type-A			
11	VGA	1 × VGA/Computer Input preferred			
12	Audio Input	3.5 mm Audio In			
13	Wireless Connectivity	Wi-Fi / Wireless screen mirroring preferred			
14	Bluetooth	Bluetooth 5.0 or newer preferred			



दोधारा चाँदनी नगरपालिका नगर कार्यपालिकाको दोधारा चाँदनी क्षेत्र नम्बर १ सुदूरपश्चिम प्रदेश, नेपाल



पत्र संख्या:-२०८३/०८४ (सूचना प्रविधि शाखा)
चलानी नं.:-

15	Video Support	1080p; 4K input support preferred			
16	Control	Remote control, RS232/LAN control preferred			
17	Noise Level	≤35 dB in normal mode			
18	Power Supply	AC 100–240V, 50/60Hz			
19	Mounting	Ceiling/wall/table mounting support			
20	Warranty	Minimum 1 year			
21	Accessories	Remote, power cable, HDMI cable, user manual			

33. Microsoft Office 2016 For Office Use

क्र.स.	समानको नाम	विशिष्टीकरण Specification	ईकाइ	दर	कैफियत
1	Product Name	Microsoft Office 2016			
2	Office Applications	Microsoft Word, Excel, PowerPoint, Outlook, OneNote			
3	Editions	Home & Student, Home & Business, Professional, Professional Plus			
4	Word	Document creation, editing, formatting and printing			
5	Excel	Spreadsheet, formulas, calculations, charts and data analysis			
6	PowerPoint	Presentation creation, animations, transitions and multimedia			
7	Outlook	Email, calendar, contacts and task management			
8	OneNote	Digital notetaking and organization			
9	Supported OS	Windows 7 SP1, Windows 8/8.1, Windows 10 and compatible systems			
10	Processor	1 GHz or faster, x86/x64 processor with SSE2	पिस		
11	RAM	Minimum 2 GB			
12	Storage	Minimum 3 GB available disk space			
13	Display	Minimum 1280 × 800 resolution			
14	Architecture	32-bit or 64-bit			
15	Installation	DVD/USB or digital installation, depending on license			
16	File Formats	DOCX, XLSX, PPTX and other Office-compatible formats			
17	Internet	Required for activation and certain online features			
18	License	Genuine licensed Microsoft Office 2016			
19	Language	Multiple language support			
20	Activation	Product key / Microsoft account activation as applicable			



दोधारा चाँदनी नगरपालिका नगर कार्यपालिकाको दोधारा चाँदनी क्षेत्र नम्बर १ सुदूरपश्चिम प्रदेश, नेपाल



पत्र संख्या:-२०८३/०८४ (सूचना प्रविधि शाखा)
चलानी नं.:-

15	Video Support	1080p; 4K input support preferred			
16	Control	Remote control, RS232/LAN control preferred			
17	Noise Level	≤35 dB in normal mode			
18	Power Supply	AC 100–240V, 50/60Hz			
19	Mounting	Ceiling/wall/table mounting support			
20	Warranty	Minimum 1 year			
21	Accessories	Remote, power cable, HDMI cable, user manual			

33. Microsoft Office 2016 For Office Use

क्र.स.	समानको नाम	विशिष्टीकरण Specification	ईकाइ	दर	कैफियत
1	Product Name	Microsoft Office 2016			
2	Office Applications	Microsoft Word, Excel, PowerPoint, Outlook, OneNote			
3	Editions	Home & Student, Home & Business, Professional, Professional Plus			
4	Word	Document creation, editing, formatting and printing			
5	Excel	Spreadsheet, formulas, calculations, charts and data analysis			
6	PowerPoint	Presentation creation, animations, transitions and multimedia			
7	Outlook	Email, calendar, contacts and task management			
8	OneNote	Digital notetaking and organization			
9	Supported OS	Windows 7 SP1, Windows 8/8.1, Windows 10 and compatible systems			
10	Processor	1 GHz or faster, x86/x64 processor with SSE2	पिस		
11	RAM	Minimum 2 GB			
12	Storage	Minimum 3 GB available disk space			
13	Display	Minimum 1280 × 800 resolution			
14	Architecture	32-bit or 64-bit			
15	Installation	DVD/USB or digital installation, depending on license			
16	File Formats	DOCX, XLSX, PPTX and other Office-compatible formats			
17	Internet	Required for activation and certain online features			
18	License	Genuine licensed Microsoft Office 2016			
19	Language	Multiple language support			
20	Activation	Product key / Microsoft account activation as applicable			



दाधारा चादना नगरपालिका नगर कार्यपालिकाको



पत्र संख्या:-२०८३/०८४ (सूचना प्रविधि शाखा)
चलानी नं.:-

दाधारा चादनी, कञ्चनपुर
सुदूरपश्चिम प्रदेश, नेपाल

34. 65-Inch Interactive Flat Panel / Smart Board

क्र.स.	समानको नाम	विशिष्टीकरण Specification	ईकाइ	दर	कैफियत
1	Display Size	65 inch	पिस		
2	Display Type	DLED/LED Interactive Flat Panel			
3	Native Resolution	Minimum 3840 × 2160 pixels, UHD 4K			
4	Refresh Rate	Minimum 60 Hz			
5	Brightness	Minimum 400 cd/m ²			
6	Colour Depth	Minimum 10-bit or equivalent, 1.07 billion colours			
7	Viewing Angle	Minimum 178° Horizontal / 178° Vertical			
8	Surface	Anti-glare tempered safety glass			
9	Touch Technology	Infrared or superior touch technology			
10	Multi-touch	Minimum 40 simultaneous touch points; 50-point preferred			
11	Touch Response Time	Maximum 5 ms			
12	Touch Accuracy	±1 mm or better			
13	Writing	Finger and passive stylus support			
14	Built-in Operating System	Android 14 or later			
15	Processor	Minimum Octa-Core ARM-class processor			
16	RAM	Minimum 8 GB			
17	Internal Storage	Minimum 128 GB			
18	Camera	Built-in minimum 8 MP / 4K-capable conference camera			
19	Microphone	Integrated microphone array, minimum 6 microphones; 8-array preferred			
20	Voice Pickup	Minimum 8 m; approximately 12 m preferred			
21	Speaker	Built-in stereo speakers, minimum 2 × 20 W			
22	Wi-Fi	Dual-band 2.4/5 GHz, Wi-Fi 6 / IEEE 802.11ax or better			
23	Bluetooth	Bluetooth 5.0 or later			
24	Ethernet	Minimum 2 × Gigabit LAN ports preferred			
25	HDMI Input	Minimum 3 ports			
26	USB	Minimum 2 × USB 3.x and additional USB ports			
27	USB Type-C	Minimum 1 × USB-C supporting data/display/touch; charging capability desirable			



दोधारा चाँदनी नगरपालिका नगर कार्यपालिकाको

दोधारा चाँदनी, कञ्चनपुर
सुदूरपश्चिम प्रदेश, नेपाल



पत्र संख्या:-२०८३/०८४ (सूचना प्रविधि शाखा)
चलानी नं.:-

28	Touch USB	Front and/or rear touch USB interface			
29	OPS	Standard OPS slot/support for optional Windows PC module			
30	NFC	Integrated NFC preferred			
31	Security	Screen lock, user access control and secure wireless connection			
32	Mounting	VESA compatible			
33	Accessories	Wall mount bracket, minimum 2 writing pens/stylus, remote control, power cable and required installation accessories			
34	Power	100–240 VAC, 50/60 Hz			
35	Warranty	Minimum 1 year comprehensive manufacturer/distributor warranty			
36	Installation	Wall mounting, configuration, testing and demonstration included where specified in BOQ			

Signature

DATE 12/08/2023

हरिश चन्द्र जोशी
प्रमुख प्रशासकीय अधिकृत





पत्र संख्या:-२०८३/०८४ (सूचना प्रविधि शाखा)
चलानी नं.:-

दोधारा चाँदनी नगरपालिका नगर कार्यपालिकाको

दोधारा चाँदनी, कञ्चनपुर
सुदूरपश्चिम प्रदेश, नेपाल



35.1 Ton Inverter Split Air Conditioner

क्र.स.	समानको नाम	विशिष्टीकरण Specification	ईकाइ	दर	कैफियत
1	Product Type	Split Type Inverter Air Conditioner	पिस		
2	Cooling Capacity	1 Ton (Approx. 12,000 BTU/hr)			
3	Compressor	Rotary / Twin Rotary / equivalent high-efficiency inverter compressor			
4	Technology	Inverter Technology with variable-speed compressor			
5	Refrigerant	R-32 or equivalent eco-friendly refrigerant			
6	Energy Efficiency	Minimum 4 Star / equivalent high-efficiency rating			
7	ISEER	Minimum 4.5 W/W or equivalent, or as per applicable standard			
8	Indoor Unit	Wall-mounted, high-quality ABS/plastic body			
9	Outdoor Unit	Corrosion-resistant, weather-resistant construction			
10	Cooling Range	Suitable for ambient temperatures up to approximately 50°C			
11	Air Flow	Multi-directional / 4-way air swing			
12	Fan Speed	Minimum 3 fan speeds + Auto			
13	Operating Modes	Cool, Dry, Fan, Auto and Sleep			
14	Temperature Setting	Approximately 16°C–30°C or wider			
15	Filter	Washable / dust-removal filter			
16	Display	LED / digital temperature display			
17	Noise Level	Low-noise operation, preferably ≤ 45 dB(A) indoor			
18	Voltage	220–240 V AC, 50 Hz, Single Phase			
19	Protection	Over-voltage, over-current, compressor and temperature protection			
20	Auto Restart	Required			
21	Remote Control	Wireless LCD remote control with batteries			
22	Timer	24-hour ON/OFF timer or equivalent			
23	Stabilizer	Built-in voltage fluctuation protection preferred			
24	Copper Pipe	Suitable-size insulated copper refrigerant piping			
25	Installation	Complete standard installation including required accessories			
26	Warranty	Minimum 1 year comprehensive warranty			



पत्र संख्या:-२०८३/०८४ (सूचना प्रविधि शाखा)
चलानी नं.:-

दोधारा चाँदनी नगरपालिका नगर कार्यपालिकाको

दोधारा चाँदनी, कञ्चनपुर
सुदूरपश्चिम प्रदेश, नेपाल



27	Compressor Warranty	Minimum 5 years, preferably longer			
28	Accessories	Remote, batteries, drainpipe, connecting cable, mounting bracket and standard installation accessories			
29	Standard	Applicable Nepal/Bureau of Standards or internationally recognized safety and performance standards			
30	Brand	Reputed international/national brand with authorized service facility in Nepal			

36.1.5 Ton Inverter Split Air Conditioner

क्र.स.	समानको नाम	विशिष्टीकरण Specification	ईकाइ	दर	कैफियत
1	Product Type	Split Type Inverter Air Conditioner	पिस		
2	Cooling Capacity	1.5 Ton (Approx. 18,000 BTU/hr)			
3	Compressor	High-efficiency Rotary / Twin Rotary / equivalent Inverter Compressor			
4	Technology	Inverter Technology, variable-speed compressor			
5	Refrigerant	R-32 or equivalent eco-friendly refrigerant			
6	Energy Efficiency	Minimum 4 Star / equivalent high-efficiency rating			
7	ISEER	Minimum 4.5 W/W or equivalent, as applicable			
8	Indoor Unit	Wall-mounted, high-quality ABS/plastic body			
9	Outdoor Unit	Weather-resistant and corrosion-resistant construction			
10	Cooling Performance	Suitable for high ambient temperature, preferably up to 50°C			
11	Air Swing	4-way / multi-directional air swing			
12	Fan Speed	Minimum 3 speeds + Auto			
13	Operating Modes	Cool, Dry, Fan, Auto and Sleep			
14	Temperature Setting	Approximately 16°C–30°C or wider			
15	Air Filter	Washable dust-removal filter			
16	Display	LED / Digital temperature display			
17	Noise Level	Low-noise operation; preferably ≤ 45 dB(A) indoor			
18	Power Supply	220–240 V AC, 50 Hz, Single Phase			
19	Electrical Protection	Over-voltage, over-current, overload and compressor protection			
20	Auto Restart	Required			
21	Remote Control	Wireless LCD remote control with batteries			



पत्र संख्या:-२०८३/०८४ (सूचना प्रविधि शाखा)
चलानी नं.:-

दोधारा चाँदनी नगरपालिका नगर कार्यपालिकाको

दोधारा चाँदनी, कञ्चनपुर
सुदूरपश्चिम प्रदेश, नेपाल



22	Timer	24-hour ON/OFF timer or equivalent			
23	Voltage Protection	Built-in voltage fluctuation protection preferred			
24	Refrigerant Piping	Suitable-size insulated copper refrigerant pipe			
25	Drainage	Proper condensate drain pipe arrangement			
26	Installation	Complete standard installation with necessary accessories			
27	Mounting	Indoor and outdoor unit mounting brackets/stands as required			
28	Warranty	Minimum 1 year comprehensive warranty			
29	Compressor Warranty	Minimum 5 years			
30	Accessories	Remote, batteries, copper pipe, drain pipe, connecting cable, mounting hardware and standard installation accessories			
31	Standard	Applicable Nepalese / international safety and performance standards			
32	Service	Authorized after-sales service and spare parts availability in Nepal			
33	Brand	Reputed national/international brand or equivalent			

37.2 Ton Inverter Split Air Conditioner

क्र.स.	समानको नाम	विशिष्टीकरण Specification	ईकाइ	दर	कैफियत
1	Product Type	Split Type Inverter Air Conditioner			
2	Cooling Capacity	2 Ton (Approx. 24,000 BTU/hr)			
3	Compressor	High-efficiency Rotary / Twin Rotary / equivalent Inverter Compressor			
4	Technology	Inverter Technology with variable-speed compressor			
5	Refrigerant	R-32 or equivalent eco-friendly refrigerant			
6	Energy Efficiency	Minimum 4 Star / equivalent high-efficiency rating			
7	ISEER	Minimum 4.5 W/W or equivalent, as applicable			
8	Indoor Unit	Wall-mounted, high-quality ABS/plastic body			
9	Outdoor Unit	Heavy-duty, weather-resistant and corrosion-resistant construction			
10	High Ambient Cooling	Suitable for operation in high ambient temperature, preferably up to 50°C			



दोधारा चाँदनी नगरपालिका नगर कार्यपालिकाको दोधारा चाँदनी, चूचनपुर सुदूरपश्चिम प्रदेश, नेपाल



पत्र संख्या:-२०८३/०८४ (सूचना प्रविधि शाखा)
चलानी नं.:-

11	Air Swing	4-way / multi-directional air swing			
12	Fan Speed	Minimum 3 speeds + Auto			
13	Operating Modes	Cool, Dry, Fan, Auto and Sleep			
14	Temperature Setting	Approximately 16°C–30°C or wider			
15	Air Filter	Washable dust-removal filter			
16	Display	LED / Digital temperature display			
17	Noise Level	Low-noise operation; preferably ≤ 50 dB(A) indoor			
18	Power Supply	220–240 V AC, 50 Hz, Single Phase			
19	Electrical Protection	Over-voltage, over-current, overload and compressor protection			
20	Auto Restart	Required			
21	Remote Control	Wireless LCD remote control with batteries			
22	Timer	24-hour ON/OFF timer or equivalent			
23	Voltage Protection	Built-in voltage fluctuation protection preferred			
24	Refrigerant Piping	Suitable-size insulated copper refrigerant piping			
25	Drainage	Proper condensate drain pipe arrangement			
26	Installation	Complete standard installation including necessary accessories			
27	Mounting	Indoor/outdoor unit mounting brackets/stands as required			
28	Warranty	Minimum 1 year comprehensive warranty			
29	Compressor Warranty	Minimum 5 years			
30	Accessories	Remote, batteries, copper pipe, drain pipe, connecting cable, mounting hardware and standard installation accessories			
31	Standard	Applicable Nepalese / internationally recognized safety and performance standards			
32	Service	Authorized after-sales service and spare parts availability in Nepal			
33	Brand	Reputed national/international brand or equivalent			

38. 3 kVA Automatic Voltage Stabilizer

क्र.स.	समानको नाम	विशिष्टीकरण Specification	ईकाइ	दर	कैफियत
1	Product Type	Automatic Voltage Stabilizer (Servo / Electronic Type)	पिस		
2	Capacity	3 kVA			



दोधारा चाँदनी नगरपालिका नगर कार्यपालिकाको दोधारा चाँदनी, काठमाडौं सुदूरपश्चिम प्रदेश, नेपाल



पत्र संख्या:-२०८३/०८४ (सूचना प्रविधि शाखा)
चलानी नं.:-

3	Input Voltage	140–280 V AC or wider			
4	Output Voltage	220–230 V AC $\pm 1\%$			
5	Frequency	50 Hz			
6	Phase	Single Phase			
7	Voltage Regulation	$\pm 1\%$ or better			
8	Technology	Servo-controlled / Microprocessor-controlled automatic voltage regulation			
9	Response Time	Preferably $\leq 10-20$ ms, depending on technology			
10	Efficiency	Minimum 95% or better			
11	Protection	Over-voltage, under-voltage, overload, short-circuit and surge protection			
12	Overload Protection	Automatic protection with circuit breaker / MCB			
13	Thermal Protection	Required			
14	Time Delay	Adjustable / automatic time-delay function preferred			
15	Display	Digital LED/LCD display showing input and output voltage			
16	Cooling	Natural air cooling / fan cooling as required			
17	Enclosure	Heavy-duty metal enclosure with powder-coated finish			
18	Mounting	Floor / wall mounting as suitable			
19	Input/Output Connection	Suitable heavy-duty terminal / socket arrangement			
20	Earthing	Proper earthing provision required			
21	Operating Temperature	Approximately 0°C to 45°C or better			
22	Noise	Low-noise operation			
23	Safety Standard	Applicable Nepalese / IEC or equivalent international standard			
24	Warranty	Minimum 1 year comprehensive warranty			
25	Service	After-sales service and availability of spare parts in Nepal			

39.4 kVA Automatic Voltage Stabilizer

क्र.स.	समानको नाम	विशिष्टीकरण Specification	ईकाइ	दर	कैफियत
1	Product Type	Automatic Voltage Stabilizer	पिस		
2	Capacity	4 kVA			
3	Phase	Single Phase			
4	Input Voltage Range	140–280 V AC or wider			
5	Output Voltage	220–230 V AC			



दोधारा चाँदनी नगरपालिका नगर कार्यपालिकाको

दोधारा चाँदनी, कञ्चनपुर
सुदूरपश्चिम प्रदेश, नेपाल



पत्र संख्या:-२०८३/०८४ (सूचना प्रविधि शाखा)

चलानी नं.:-

6	Output Voltage Regulation	±1% or better			
7	Frequency	50 Hz			
8	Technology	Servo-controlled / Microprocessor-controlled Automatic Voltage Regulation			
9	Voltage Correction	Automatic boost and buck correction			
10	Response Time	Preferably ≤ 10–20 ms or suitable for the offered technology			
11	Efficiency	Minimum 95% or better			
12	Protection	Over-voltage, under-voltage, overload, short-circuit and surge protection			
13	Thermal Protection	Required			
14	Overload Protection	MCB / Circuit Breaker or equivalent automatic protection			
15	Time Delay	Automatic / adjustable time-delay function preferred			
16	Display	Digital LED/LCD display for input and output voltage			
17	Cooling	Natural air cooling / fan cooling as required			
18	Enclosure	Heavy-duty metal enclosure with powder-coated finish			
19	Installation	Floor or wall mounting as appropriate			
20	Input/Output Connection	Heavy-duty terminal/socket suitable for 4 kVA load			
21	Earthing	Proper earthing terminal/provision			
22	Operating Temperature	Approximately 0°C to 45°C or better			
23	Noise Level	Low-noise operation			
24	Safety Standard	Applicable Nepalese / IEC or equivalent international standard			
25	Warranty	Minimum 1 year comprehensive warranty			
26	After-Sales Service	Authorized service and spare-parts availability in Nepal			

THE END