गल्याङ नगरपालिका
Galyang Municipality
नगर कार्यपालिकाको कार्यालय
Office of Municipal Executive
गल्याङ,स्याङ्जा
स्था:२०७३
ESTD:2073
गण्डकी प्रदेश,नेपाल
Gandaki Province, Nepal

प.सं.:
च.नं.:

मिती:२०८२/०८/१०
ने.सं.:११४६

दररेट पेश गर्ने सम्बन्धी सूचना

चालु आ.व. २०८२/०८३ मा Interactive board तथा Power Backup खरिदको लागि दररेट निर्धारण गरी लागत अनुमान तयार गर्नुपर्ने भएकोले यसै सूचना साथ संलग्न स्पेशिफिकेसन अनुसारको Interactive board तथा Power Backup को दररेट प्रचलित कानुन वमोजिम इच्छुक सम्वन्धित फर्म वा सप्लायर्सले देहायका कागजातहरुको प्रतिलिपी सहित यो सूचना प्रकाशन भएको मितिले ७ (सात) दिन भित्र यस कार्यालयमा दररेट पेश गर्नुहुन अनुरोध छ।

देहाय:

१. फर्म दर्ता प्रमाणपत्रको प्रतिलिपी ।
२. स्थायी लेखा नं. वा मु.अ.कर दर्ता प्रमाणपत्रको प्रतिलिपी ।
३. कर चुक्ता प्रमाणपत्रको प्रतिलिपी ।

ई. उदय खनाल
सूचना प्रविधी अधिकृत

Galyang municipality
Office Of Municipal Executive
Galyang,Syangja

Specification of items for Galyang E-learning program	
Interactive all in one computer	
specification description	specification requirement
Display	
Screen Size	75"
Backligt Type	D-LED technology
Panel Toplogy	Triple DSP Control
Display Ratio	16:9
Resolution	3840 x 2160 or Better
Display Color	1.07/G ,10 Bit or better
Response Time	Not more than 4 ms
Contrast	4000:1 or better
Viewing Angle	178 °Horizontal and vertical both or better viewing angle
LED life	70,000 hrs or above
Touch	
Touch Technology Deployment	Touch feature should be seamlessly build-in the display and NO overlay is allowed
Touch Sensor	Infrared
Surface material of touch surface	Anti-Glare Glass 4 MM
Surface technology	Anti-Glare
RAM / ROM	8G DDR4 /128 G EMMC
Built in Mac	Available
Glass thickness	4 mm
Display Color	8 bit/16.7 Million
Touch Points in Windows	Must have a touch capability of MINIMUM 20 points
Writing Tool	Shall use with Nano Pen / Finger
Scan Speed & Cursor speed	100Hz or better & 125 P/S
Built in system	
Operating System	Android 14.0 (Built in 48 MP Ai web cam With 8 Array Sound tracking & Mac)
Brightness	>= 400 cd/m2
Contrast Ratio	>=4000: (Typ.)
Multi Task (inbuilt)	5-6 application minimum running at the same time
ROM	128 GB
Speakers	
Max.Power Output	2x20 Watts or above
Speaker Position	Seamlessly mounted in lower side of the display. Front facing, Forward through
Rated Impedance	15Ω (±15%)

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Freq.Response	90Hz(±20%) -18kHz
Output S.P.L.	84 ± 3dB
Ports	
Responding speed	2 ms
Language	all language with nepali support
Minimum Requirement of AV Inputs Ports	HDMI IN *2,HDMI OUT *1,USB 2.0 *2, USB3.0*2 ,Touch USB*1, coax out*1, RJ45 IN*1, Minin AV IN *1,Minin AV OUT *1 MRS232*1 ,Mic In *1, PC*1, VGA IN *1, Wireless *4 , TFC CARD *1, Mini USB*1, OTG USE *1
FRONT PORT	USB*2, HDMI,TYPE-C, TOUCH,
FRONT KEY	SOURCE MENU, VOL+, VOL-, HOME ECO, POWER
BACK PORT	RS232, TOUCH, HDMI, HDMI OUT,RJ45 IN, USB*2, TF CARD, COAX, MIC IN, LINE OUT, MICRO USB
Remote Control	
Technology	Infrared
Board configiration	311D2
Multimedia File Formats Supported	
Multimedia File Formats Supported	Support all major types of multi-media files
OPS PC	
CPU	i7- 12Generation 8 GB RAM, 256 SSD & Win 10
HD drive	256 SSD
CPU & GPU	CPU(A73*4+A53*4 2.2GHz , wireless)
Electrical	
Power Consumption	
Working Voltage & Watt	AC 100-240V, 50/60Hz & 250 Watt
Transportation/Storage	
Working Temperature/Humidity	10-60 C
Mounting Capabilities	Display must have facility to mount on floor stand or wall brackets
Wall Mount Kit	
Suitable wall mount kit with accessories	Equipment has to be supplied with suitable wall mount kit With Height adjustable and accessories
Installation	Horizontal installation
Origin	Korea/France/German/Japan/Turkey/China Only Acceptable
G.W/N.W	Min 55 Kg
MAF Authorization (One Bidder)	Single MAF Authorization for one Brand
Warranty and support	
Panel warrenty	3 years or more(including touch functionality)
OPS Warrenty	1 year or more
On-site support	Within 72 hours
Spare Parts	Guaranteed availability for 5 years

मिति २०८२।०८।०३ मा निर्णयानुसार

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Specification for Backup to be installed in different schools

S.N.	Category	Required Technical Specification
1	System Type	Integrated power backup system comprising a Pure Sine Wave inverter and deep-cycle tubular lead-acid batteries, suitable for residential, commercial, and institutional use. Shall provide uninterrupted, regulated AC power during mains failure.
2	Inverter Capacity	Nominal rating ≈ 1650 VA with real power output ≈ 1260 W at unity power factor. Inverter efficiency ≥ 85 % at full load.
3	Input & Output Voltage	DC input: 24 V (2 × 12 V batteries in series). AC output: 230 V ± 10 %, 50 Hz ± 2 %. Transfer time ≤ 15 ms in UPS mode.
4	Waveform & Topology	Output waveform shall be Pure Sine Wave, THD ≤ 3 %, suitable for sensitive equipment. Square-wave or modified sine-wave inverters shall not be accepted.
5	Power Factor & Efficiency	Input power factor ≥ 0.8 lag; conversion efficiency ≥ 85 %; idle power ≤ 40 W.
6	System Voltage	Operates on 24 V DC system (two 12 V batteries in series).
7	Battery Compatibility	Compatible with Tubular, Flat-Plate, and VRLA (SMF) batteries within 100–220 Ah capacity; includes automatic battery type detection and optimized charging curve.
8	Charging Technology	Intelligent 3-stage charging (Bulk / Absorption / Float) with temperature-compensated charging current ≈ 15 A ± 2 A; improves battery life and charging efficiency.
9	Operating Modes	Dual-mode operation: UPS Mode (fast switchover < 15 ms) for computers and sensitive loads; Eco Mode for power-saving with general loads.
10	Protection Features	Protection against overload, short circuit, deep discharge, reverse polarity, overcharge, and overheating; automatic shutdown and restart; audible and visual fault indication.
11	Indicators & Display	LED / digital display for mains ON, battery charging, battery low, overload, and fault; acoustic alerts for low-battery / overload; optional LCD panel showing voltage, current, and runtime.
12	Enclosure & Design	Heavy-duty CRCA steel / ABS casing with vented air flow; powder-coated rustproof finish; provision for wall or floor installation; noise ≤ 45 dB.
13	Environmental Conditions	Operating temperature 0 °C–45 °C; humidity ≤ 95 % (non-condensing); tropical and dusty environment resistant.
14	Battery Type	Tubular deep-cycle lead-acid battery with robust positive plates and low antimony alloy; suitable for long-cycle inverter duty; electrolyte level indicators included.
15	Battery Capacity & Rating	Nominal capacity ≈ 150 Ah @ C20 rate at 27 °C; nominal voltage 12 V DC per unit; system uses 2 units in series for 24 V configuration.
16	Battery Construction	Polypropylene container with micro-porous ceramic vent plugs; PE separators; molded handles; designed for low maintenance and long service life.
17	Performance Parameters	Cycle life ≥ 1200 cycles @ 80 % DOD; self-discharge ≤ 3 % per month; internal resistance ≤ 6 mΩ; continuous heavy-duty discharge capability.
18	Charging Characteristics	Boost voltage 14.4 V ± 0.2 V; float voltage 13.6 V ± 0.2 V per battery; supports auto equalization and maintenance charging modes.
19	Protection & Safety (Battery)	Built-in safety vents; protection against overcharge, electrolyte leakage, and explosion; meets IS 13369 / IEC 60896 safety standards.
20	Physical Parameters (Battery)	Approx. dimensions 500 × 190 × 410 mm; filled weight ≈ 58–62 kg; acid-resistant, shockproof body; convenient carrying handles.
21	Electrical Backup Performance	Inverter with 2 × 150 Ah batteries shall provide 4–8 hours backup depending on load (300–800 W typical range).
22	System Efficiency & Heat Dissipation	DC–AC conversion efficiency ≥ 85 %; cooling via temperature-controlled fan and intelligent thermal management.
23	Maintenance & Serviceability	Front-serviceable terminals and fuses; battery electrolyte indicators; quick-access panel for circuit maintenance; field-replaceable PCB / relay design.
24	Weight (Inverter Unit)	Net weight ≈ 13.5–14.5 kg; vibration-dampened mounts; compact ergonomic design.
25	Installation Requirements	System to be installed on ventilated, level surface with adequate airflow; minimum clearance 150 mm around inverter; DC cables to be properly terminated with crimped lugs; connection polarity to be verified before power-up; earthing mandatory.
26	Accessories (Standard Supply)	The system shall be supplied complete with the following: • Heavy-duty battery connecting cables (≥ 25 mm² copper, crimped terminals). • DC fuse and holder. • Input power cord with plug. • User manual and installation guide. • Battery interconnect jumpers.

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pc Regd no; 4658 "computer"

		• Terminal protection caps and cable ties.
27	Warranty & Support	**Inverter:** minimum 2-year warranty **(covering electronics & transformer). Battery:** minimum 3-year comprehensive warranty.
28	Certifications & Standards	**Inverter shall conform to IS 13314 and/or IEC 62040-1-2 standards (General and Safety Requirements for Static Inverters / UPS); Battery shall conform to IS 1651, IS 13369 and/or IEC 60896 (Stationary Lead-Acid Batteries); all components shall be RoHS compliant and CE marked; standards verified as per publicly available references from Government e-Marketplace (GeM) and manufacturer BIS listings; bidder must submit valid test certificates or BIS registration numbers for offered models.**

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