

OFFICE OF THE PRINCIPAL
KAMALA NEHRU WOMEN'S COLLEGE
UNIT-1. BHUBANESWAR - 751009, DIST - KHORDHA, ODISHA

Sealed quotations are invited from authorised dealers/firms for supply of IT Infrastructure items like Intel i5 (or above) All in one Desktop- 8 Nos., UPS - 8 Nos., Multi Function Printer - 1 No. through Speed Post/Registered Post on or before **25.04.2026**. For details visit - www.knwcbsr.com

Sd/- PRINCIPAL

Amount sanctioned & quantities of IT items to be purchased					Annexure-B
Sl. No.	Non-Govt. Aided Colleges	No. of Colleges	Amount released per Colleges	No. of items to be procured by each Institute	Total Amount (Column 2 x Column 3)
	1	2	3	4	5
1	No. of Non-Govt. Aided Colleges having student strength more than 2000	12	750000	1. i5 (or above min 12 th Gen) All in One Desktop =10 nos. 2. UPS =10 nos. 3. Multi Function Printer=1 no.	9000000
2	No. of Non-Govt. Aided Colleges having student strength more than 1000 & less than 2000	93	600000	1. i5 (or above min 12 th Gen) All in One Desktop =8 nos. 2. UPS =8 nos. 3. Multi Function Printer=1 no.	55800000
3	No. of Non-Govt. Aided Colleges having student strength more than 500 & less than 1000	188	375000	1. i5 (or above min 12 th Gen) All in One Desktop =5 nos. 2. UPS =5 nos. 3. Multi Function Printer=1 no.	70500000
	TOTAL	293			135300000

Minimum Specification 23.8-inch FHD Display, Intel Core i5 Processor , 8GB DDR5 RAM, 512GB SSD, Windows 11 Home

2. AIO - Intel i5

Motherboard	
Chipset Series	Intel Q series
Chipset Number	Intel Q670
Expansion Slot(Min/Max)	2 or higher
Processor	
Processor Make	Intel
Processor Generation	14
No Of Cores per processor	10 or higher
Processor Base frequency (GHZ)	2.5 or higher
Processor Description	Intel Core i5
Processor Number	Intel 4 core i5 14500
Out of band management	NA
Cache (MB)	24
Graphics	
Graphics Type	Integrated
Graphics Card Description	UHD graphics
Size of Memory in case of Dedicated Graphic Card (GB)	0
Size of VRAM in Case of integrated Graphics (MB)	0
Operating System	
Operating System (Factory Pre loaded)	windows 11 Professional
Recovery Image Media	CD from the OEM Stored in partition of Hard disk /USB Drive from the OEM /in Case / Cloud
OS certification	windows
Memory	
Type of RAM	DDR5
Ram Size (GB)	16
RAM speed(MHZ)	4800
Total no of DIMM Slots Available	4
No of Dimm Slots populated	2
RAM Expandibility	64
Storage	
Types of Drives used to populate the internal Bays	SSD
Number of internal Bays Populated with HDD	0
Capacity of Each HDD	NA
Total HDD Capacity(GB)	0
No of internal Bays populated with SSD	1
Capacity of each SSD (GB)	512
Total SSD Capacity (GB)	512
Optane Memory	0
Display	
Display Size	23.8
Display Type	Non Touch

Panel Technology		IPS TN VA
display Resolution		1920*1080
Availability of Web Cam integrated with display		Yes
If Yes , Resolution of Web Cam		FHD
Availability of Speakers integrated with display		Yes
If Yes , speakers available		2
Connectivity		
Wireless connectivity		Yes
If Yes, Types of wireless connectivity		wifi 6
No of ethernet ports		1
Types of Ethernet Ports		1x 10G 10G on board integrated gigabit ports
Bluetooth Connectivity		Yes
If Yes, Version of Bluetooth Available		Bluetooth version 5.1
	Ports	
No of USB Version 2 Ports / ports		0
No of USB Version 3 point 2 , Gen 1 Ports		2 or higher
No of USB Version 3 point 2 , Gen 2 ports		1 or higher
No of USB Type C ports		1 or higher
No of serial Ports		0
No of VGA ports		0
No of HDMI Ports		1
No of DP ports		1
	Generic	
Optical Drive		N/A
Audio In		Yes
Audio Out		Yes
Headphone out		Yes
Microphone in		Yes, Dual Array
Stand		Height adjustable
	Power	
Power supply		Internal (without any adapters)
Power supply capacity (watt)		150 or higher
Minimum power efficiency		85 %
	Certification	
BIS Registration		Yes
RoHS Compliance		Yes
IEE Energy Star for given model		Yes
Other certification		TCO, E1, FCC, CE, ISO 9001:14001, 27001:2001
Mouse connectivity		wired
Type of mouse		optical scroll
Keyboard Connectivity		wired
Type of Keyboard		standard
	Operating Conditions	
Minimum Operating Temperature		5 degree celcius
Maximum Operating Temperature		35 degree celcius
Minimum Operating Humidity		5
Maximum Operating Humidity		90
	Warranty	
Onsite Onm warranty		3
OS certification		Windows & Ubuntu/Redhat Suse Linux

4. UPS

600 VA UPS		
S/N	Parameter	Minimum Specifications
1	Capacity	600 VA or more Line Interactive
2	Technology	Automatic Voltage Regulation
3	Input Frequency Range	50 Hz +/- 5%
4	Output Frequency Range	50 Hz +/- 5%
5	Input Voltage	160 V - 280 V, Single phase AC
6	Output Voltage	180VAC - 250 VAC +/- 10%
7	Voltage Regulation	+/- 10% (or better)
8	Output Waveform	Modified Sine Wave
9	Output Power Factor	0.6 or more
10	Battery type	SMF-VRLA built-in, Minimum Vah should be 84 Vah
11	Battery make	Exide/Quanta/Uplus/NEC/Parasonic /Yuasa/Rocket (Battery
12	Battery Backup	Minimum backup of 15 Minutes
13	Operating Temperature	0 to 40 Degree Celsius
14	Alarms & Indications	All necessary alarms & indications essential for performance monitoring of UPS like mains presence or fail, UPS mode, low battery, overload
		- If input voltage goes outside the range 160V-280V, the system shall switch over to UPS mode.
		- Over Voltage, short circuit and overload at UPS output terminal, no load shut down.
		- Under voltage at battery terminal, Battery over charge
15	Protection	- It should protect from input voltage variation
16	Certifications	BIS certified at the time of bidding
17	Warranty of UPS and Battery	The UPS warranty must be 3 years, during the contract bidder has to ensure the battery life to provide required backup time & during the contract period as when required bidder has to replace the batteries without additional cost to the tenderer. Batteries support must be up to 3-years
18	Certifications	BIS, ISO 9001:2015, ISO 14001:2015, ISO 45001:2018, ISO 20000-1:2011, ISO 27001:2013, ISO 50001:2018

Revised specification of Hardware and Microsoft Office with ATC

19	Web Support	It is mandatory to provide online centralized call tracking system Like OVS0 (Open view Service Desk) for monitoring of logged calls viewing through web / windows based access for at least 2 officials.
----	-------------	---

Specifications

Description of Goods	Multifunction Machine Printer with Minimum 1 Year On Site Warranty, including Cartridge and Power Cord/Adapter
Print Technology	Inkjet
Type of Printing	Colour
Print Paper Size	A4, A3 and Legal
Maximum Print Speed per Minute (ppm) for A4 in Colour (Black and Grey)	21 to 25
Maximum Print Speed per Minute (ppm) for A4 in Black (Monochrome)	21 to 25
Maximum Print Speed per Minute (ppm) for A3 in Colour (Black and Grey)	11 to 15
Maximum Print Speed per Minute (ppm) for A3 in Black (Monochrome)	11 to 15
Maximum Print Speed per Minute (ppm) for Legal in Colour (Black and Grey)	Yes
Maximum Print Speed per Minute (ppm) for Legal in Black (Monochrome)	Yes
Original Equipment Manufacturer (OEM) Cartridge	Reverse/Duplex Automatic Document Feeders (RAD/DADF)
Original Equipment Manufacturer (OEM) Cartridge	2
Connectivity	USB Port, Ethernet Port, Wi-Fi