



**OFFICE OF THE PRINCIPAL
MANGALA MAHAVIDYALAYA, KAKATPUR, PURI**

(NAAC Accredited with Grade - 'B')

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At- Prachivihar, Po / Ps- Kakatpur, Dist-Puri, Pin-752108

QUOTATION CALL NOTICE

Sealed Quotations are invited from G.S.T. registered Firms / Agencies on or before date 19.05.2025 to supply Desktop Computers, UPS systems, Multifunction Printer machines, L.E.D TV (65 inch.), wireless Mouse, Cameras for virtual meeting etc. under Govt. of Odisha upgrading I.T. infrastructure scheme. For details contact in college website : <https://mangalamahavidyalaya.org/> and Mobile No. 7894966685.


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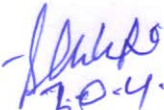
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Quantities and Specification of IT to be purchased

Sl No.	Non-Govt. Aided Colleges	Sanction Amount (In Lakhs)	Details Calculation
1	Mangala Mahavidyalaya, Kakatpur	8	1.12 Desktop @50000*12=6L 2. UPS @3000*12=36000 K 3.MFM Printer @30000*2 =60000K 4.1 LED TV (65 inch) @0.70=70000K 5. Wireless Mice @ Camera for virtual meeting =25000 6. Internet facility -20000 K Total=8.11 L

For - 
30.4.25
Principal

Desktop Specification

Items	Specification
Cabinet Form Factor	Tower/Micro Tower (15.1 to 26 Litres)
Chipset Number	Intel H670/Intel® H770 or higher Chipset
Processor Make	Intel
Processor	x86 64-bit architecture
Processor Generation	13 Or higher
Processor Description	Intel Core i3 or higher
Processor Number	Intel Core i3 13100 or higher
Number of Cores and Threads per Processor	Max Turbo Frequency 4.5Ghz, Minimum 4 Cores and 8 Threads or higher
Operating System	Windows 11 Home Factory Preloaded
RAM Size (GB)	DDR-4 8GB 3200 (16 X1) or higher (2 DIMM Slots)
RAM Expandability up to (using spare DIMM Slots in GB)	64 GB or higher
Integrated Graphics	Intel UHD Graphics 770 or higher
Supported for discrete NVIDIA/AMD Graphics Card up to 6GB	Yes
Type of Drives used to populate the Internal Bays	NVMe SSD
Total HDD Capacity (GB)	NA
Total SSD Capacity (GB)	512GB NVMe SSD
Optical Drive	Optional
Drive Bays	Two 3.5" (2.5") HDD
Slots for Upgradation	1 PCI Express 4.0 x16, 1 PCI Express 3.0 x1, 1 PCI (Full Height), 2 M.2 slots for WLAN & SSD
LAN	LAN: Integrated 10/100/1000M
Ports and Connectors	Front: 1 headphone/microphone combo; 3 Super Speed USB 5Gbps signalling rate; 2 SuperSpeed USB 10 Gbps signalling rate; 1 USB Type-C, total 6nos USB in front for easy access Rear: 1 HDMI; 1 Serial Port; 1 line in; 1 line out; 1 power connector; 1 RJ-45; 1 DP; 2 USB 2.0
Firmware Trusted Platform Module	TPM 2.0
Hardware Security lock slot	Security lock slot
Power Supply	180-260Watt Internal power supply with minimum 90% efficiency
Certification	Bidder should submit OEM bid specific authorization & the same authorization may be verified by the respective OEM if required.
	OEM must have the ISO 9001,14001, ISO 20001, ISO 27001 Certificate
	Microsoft Windows, Energy star 8.0 certified
	Bidder should submit BIS, BEE, EPEAT, UL, RoHS Certificate of products at the time of participation of the Bid.
Keyboard Mouse	USB Keyboard; USB Optical Mouse
Monitor	19.5" LED Display with CTO Certified and same must be belongs to the same OEM
Years of Warranty	3 Year Onsite Warranty

600 VA Line Interactive UPS Specifications

Sl. No.	Feature	General Specifications
1	UPS Capacity (total)	600VA/360W
2	Input Voltage	230 VAC nominal
3	Input Frequency	45 - 65 Hz
4	Brownout Transfer	145 VAC typical
5	Over-voltage Transfer	290 VAC typical
6	Voltage on Battery	230 VAC typical (stepped approximated sine wave)
7	Frequency - On Battery	50Hz typical
8	Transfer Time	@50 Hz : 6 ms typical, 10 ms max
9	Air Ventilation	Should have Side and Back Honey bee Perforation for heat dispersion
10	Protection from Humidity & Dust	UPS Should have conformal paint coating on PCB for Insulation for Dust and Humidity
11	Battery Saver Option	UPS Should have Battery Saver Option to increase the life of the Battery upto 5 years
12	No Load Shutdown	UPS Should work on loads of 2-3 watts also
13	AC Surge Protection	Full time, 160 joules
14	Automatic Re start of UPS	In case the UPS backup is totally drained and automatic switched off, when the grid power resumes the UPS Should Auto Start without human interference.
15	Type (maintenance-free)	12V, 7.2 Ah
16	Typical recharge time	4-6 hours
17	Operating Temperature	0°C to 40°C
18	Storage Temperature	-15°C to 45°C
19	3 power outlets	With battery backup and surge protection
20	Power Cord	1.2 meters
21	Runtime for Single PC load (60W ± 15W)	27 min (normal mode)
22	Runtime for Workstation PC (100W ± 15W)	13 min (normal mode)
23	Battery Saver (to save on battery life)	Thru toggle button on front panel
24	Certification	BIS
25	Designed and Manufactured in India	Yes
26	Warranty	2years

Generic	
Description of Stores	Multifunction Machine Printer with Minimum 1 Year On Site Warranty, including Cartridge and Power Cord/Adapter
Core Function	Print, Scan and Copy
Print Technology	Laser
Cartridge Technology	Composite Cartridge
Type of Printing	Monochrome (Black)
RAM Size (MB)	256
Storage Capacity (in GB)	0
Features	Fax
Operating System Compatibility	Windows 10 and Above, Linux, Mac OS, Windows Server
Printing	
Print Paper Size	A4 and Legal
Minimum Print Speed per Minute as per ISO/IEC 24734 in A4 Size-Monochrome (Black) (in PPM)	26 to 30
Minimum Print Speed per Minute as per ISO/IEC 24734 in A4 Size-Colour (in PPM)	Not Applicable
Minimum Speed per Minute as per ISO/IEC 24734 in A3 Size-Mono (in PPM)	Not Applicable
Minimum Speed per Minute as per ISO/IEC 24734 in A3 Size-Color (in PPM)	Not Applicable
Auto Duplexing Printing/Coping (2-sided Feature)	Yes
Scanning	
Maximum Scan Area (Platen/Flatbed Size)	A4 and Legal
A4 Scan Speed -Colour (Image Per Minute) @ 300 x 300 dpi	11 to 20
Scan To Functions	Email
A4 Scan Speed - Mono (Image Per Minute) @ 300 x 300 dpi	11 to 20
COPYING	
Reduction and Enlargement Feature	Yes

PAPER HANDLING	
Original Document Feeder Type (For Scanning and Copying)	Automatic Document Feeders (ADF)
Feeder Capacity (Number of Sheets) (For Scanning and Copying)	31 to 40
Number of Main Paper Tray	1
Total Paper Tray Combined Capacity (Number) at 75 GSM	101 to 200
Bypass Tray Facility	No
If Yes, Bypass Tray Capacity	0
Connectivity	
Connectivity	USB Port, Ethernet Port, Wi-Fi
Accessories Provided	USB Cable
Performance	
Minimum Yield of the Cartridge/Ink/Toner supplied with Machine as per IS/ISO/IEC: 19752/2017 for Black (Number of Prints)	700
Minimum Yield of the Cartridge/Ink/Toner Supplied with Machine as per IS/ISO/IEC: 19798:2017 for Cyan, Yellow and Magenta Color (Number of Prints)	0
Minimum Duty Cycle (Number of Prints/Month)	10,001 to 20,000
POWER	
Power Supply	Single Phase AC 220 - 240 V, 50 - 60 Hz
Maximum Power Consumption (in Watt)	1300
Environmental	
Minimum Operating Temperature (Degree C)	10
Maximum Operating Temperature (Degree C)	30

Minimum Operating Humidity (%RH)	20
Maximum Operating Humidity (%RH)	80
Dimension	
Standard Machine Weight with Single Tray (in Kg)	11
Certification	
BIS CRS Compliance	Yes as per IS 13252 (Part 1)
Maximum Number of Prints covered under Product warranty (Whichever is earlier)	30000
EPR Registration in respect of the manufacturer/authorised importer as per E waste rules as amended up to date	Yes
Agreed to Provide a copy of EPR Registration Certificate to the Buyer on Demand	Yes