OCAC

ODISHA COMPUTER APPLICATION CENTRE

Technical Directorate of E & I.T. Department, Government of Odisha

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From

    Ms Madhumita Rath, OAS (SAG)
    General Manager (Admin.)

To

    The Revenue Divisional Commissioner,
    All Divisions

    The Collector & District Magistrate,
    All Districts

Sub: **Technical Specification & Cost estimate for procurement of Hardware Infrastructures for OSWAS implementation.**

Madam/Sir,

    With reference to the subject cited above, I am to enclose herewith the technical specification & tentative cost estimate (excluding taxes) for procurement of Hardware Infrastructure & LAN Connectivity for implementation of OSWAS in Collectorates & RDC Offices. As the establishment of LAN depends upon the no of users, distance of LAN points from the network switch and the site layout, a detailed requirement study may be conducted by the office or the executing agency engaged for this purpose, to arrive at the total cost for LAN setup in respective offices.

    it is therefore requested that after assessment of requirement of the respective offices, hardware procurement may be done as per Finance Department memorandum for procurement of Goods & Services, communicated vide R&DM Department Letter No 9593 / Dt. 20-03-2021. Besides, provision for the electrical installations (including earthing), civil & antivirus may also be made as per requirement of each office.

                                    Yours faithfully,

                                    General Manager(Admin)

CC: Dr. Usharani Sahoo, OAS(SAG), Additional Secretary to Govt., R&DM Department for information

SL#	Infrastructure Component & Specification	Cost Estimate
1	Desktop Computer: Processor: Intel Core i3 or higher with latest generation processor RAM: 16 GB HDD: 1 TB SATA, 7200 RPM or Higher OS: Preloaded Windows Professional 10/100/1000 on board integrated Gigabit Port Warranty: 3 years	₹60,000
2	Laptop Processor: Intel Core i5 Latest Generation RAM: 16 GB HDD: 1 TB SATA or Higher 10/100/1000 onboard integrated Gigabit Port Battery: Li – ion Battery with at least 8 hours backup Wi-Fi & Bluetooth 5.0 OS: Preloaded Windows Professional Warranty: 3 years with carry bag	₹70,000
3	UPS: Line interactive 1 KVA with 30 minutes backup at full load Rating in KVA/ min VAH /Capacity of battery: 1.0/168 Load power factor: > / = 0.6 AC input Voltage: 230V AC single phase Voltage Range: 160V AC to 280V AC Frequency Range: 50 ± 6% Hz Warranty: 3 Years	₹6,000
4	HI Speed Network Scanner: Scanner Type: Flatted, ADF Automatic Document Feeder Scan Speed: 30 ppm or higher Scan Resolution, Optical: 600 x 600 dpi (colour and monochrome, ADF) or higher Duplex ADF scanning: Yes Connectivity Standard: USB 2.0 and higher with Ethernet network port OS Compatibility: Windows & Linux, Mac OS Warranty: 3 years	₹60,000
5	MFP: Functions : Print, copy, scan Printer Type : LaserJet Printer Output : Black & White Page Size Supported : A4, B5, A6, DL, envelope PPM : 20 or higher Scanner Type : Flatbed & ADF Connectivity : USB & Ethernet Dual Side Printing : Yes Warranty : 3 Years Compatible Operating Systems : Windows & Linux	₹30,000

Desktop

#	Parameter	Required Specification
1	CPU	Intel Core i3 or higher
2	Processor Generation	11th/ Latest Generation
3	MEMORY	16 GB SD-DDR4 RAM with 2 DIMM slots, 1 slot free for future expansion
4	HARD DISK DRIVE	1 TB (7200 rpm) SATA or higher with SATA/SSD Connectors on motherboard for future up-gradation
5	DISPLAY	21.5" Monitor or higher (Same OEM as Desktop), IPS /TFT
6	GRAPHICS	Integrated HD Graphics or higher
7	SLOTS	Minimum 2 PCI/PCI Express slot or Better
8	KEYBOARD	USB 104 keys Keyboard or Better
9	OPTICAL SCROOL MOUSE	USB Optical Scroll Mouse
10	PORTS	USB ports (4 x USB 2.0) and (4 x USB 3.0) and above 1 VGA port, 1 HDMI port
11	CABINET	Tower
12	Wireless Connectivity	Yes
13	Bluetooth Connectivity	Yes
14	MOTHER BOARD DRIVERS	All drivers should be downloaded from OEM website/DVD/CD/USB for Windows Operating System.
15	NETWORKING FACILITY	Integrated Gigabit Ethernet LAN 10/100/1000
16	OPERATING SYSTEMS	Latest WINDOWS Professional Operating System 64 bit preloaded from factory with recovery media and documentation.
17	Certification	BIS, Energy Star, ROHS compliance
18	POWER MANAGEMENT	Optimum wattage SMPS to support full usage of system.
19	DESKTOP WARRANTY	3 year comprehensive onsite OEM warranty
20	OEM Certification	ISO 9000, ISO 14000, ISO 27000

UPS (1 KVA)

#	Parameter	Required Specification
1	Output Capacity	Line Interactive 1 KVA/600W
2	Rating in KVA/min VAH/Capacity of battery	1.0/168
3	Voltage Range	160V - 280 V AC or better
4	Frequency Range	50 Hz +/- 6% Hz or better
5	Phase	Single phase 3 wire
6	Load power factor	> / = 0.6
7	AC Input Voltage	230V AC Single Phase
8	Overload Time (Minutes)	> / = 10 minutes
9	Input Connection	India 5/6 Amp power chord.
10	Backup Time	30 Min. on full load or higher
11	Surge Protection/Energy Rating	Above 400 Joules
12	Indicator	Multi-funtion LCD Status
13	Audible Alarm	Battery Mode, Low battery, overload, Fault Conditions
14	Manufacturer Credentials	Manufacturer should be ISO 9001 , ISO 14001 & ISO 18001/45001 certified
15	Certifications	Govt of India recognised-BIS Certification on quoted model
16	Warranty	Three years warranty on UPS & Two Years on Battery

LAPTOP

Sl#	Parameter	Required Specification
1	Processor Make	Intel core i5
2	Processor Generation	11th/ Latest generation
3	Number of Cores per Processor	4
4	Processor Base Frequency (GHz)	2.1 or More
5	Cache (MB)	8 or more
6	Expansion Slots	1 or more
7	Graphics Type	Integrated/Dedicated
8	Graphic Card Description	Intel HD Graphics
9	Operating System (Factory Pre-Loaded)	Latest WINDOWS Professional
10	Recovery Image Media	CD from the OEM / Stored in Partition of the Hard Disk / USB Drive from the OEM / On Line / Cloud
11	OS Certification	Windows
12	Type of RAM	DDR4
13	RAM Size (GB)	16 GB
14	Total Numbers of DIMM Slots Available	2 DIMM slots, 1 slot free for future expansion
15	HDD	1 TB SATA, 7200 RPM of Higher
16	Display	14", Non Touch, IPS
17	Display Resolution (PIXELS)	1920 x 1080
18	Webcam Integrated with Display	Yes, FHD
19	Wireless Connectivity	Wi-Fi 802.11ac
20	Ethernet Ports	10/100/1000 on board Integrated Gigabit Port
21	Bluetooth Connectivity	Yes, Bluetooth 5.0
22	Number of USB Version 2 Point 0 Ports	1 or more
23	Number of USB Version 3 point 0 / 3 point 1, Gen 1 Ports	2 or more
24	Number of HDMI Ports	1
25	Internal Speaker (Dual)	Yes
26	Keyboard	Standard, backlit, spill resistant
27	Pointing Device/Touchpad	Touchpad with multi touch gestures enabled
28	Carry Case	Yes
29	Weight (Including Battery) (Kilogram)	Less than 1.8 Kg
30	Battery	Integrated, Li-ion, Backup 06-08 Hours
31	Certifications	BEE / Energy Star, ROHS Compliance UL/FCC/EPEAT India
32	Operating Temperature	0 - 35 degree Celsius
33	Operating Humidity (%RH)	10 - 80
34	OEM Warranty (Year)	3