संख्या–2752–कार्य / चौदह–पाकालि / 2023–5–के / 2020   दिनांक: 04 नवम्बर, 2023

कार्यालय ज्ञाप

उ0प्र0 पावर कारपोरेशन लि0 एवं इसके सहयोगी वितरण निगमों के अन्तर्गत विभिन्न प्रयोजनों हेतु क्रय किये जाने वाले लैपटॉप, डेस्कटॉप कम्प्यूटर सिस्टम, यू0पी0एस0 एव प्रिंटर के क्रय हेतु नवीन तकनीकी विशिष्टियों का निर्धारण एतद्द्वारा निम्नवत् किया जाता है:–

A.   Desktops' Technical Specifications:

S. N.	Particular	Requirement		
		Entry-Level	**Mid-Level**	**High-Level**
1.	Processor	12th generation Intel i3 or higher **Or** AMD Ryzen-3 5000 series or higher	12th generation Intel i5 or higher **Or** AMD Ryzen-5 5000 series or higher	12th generation Intel i7 or higher **Or** AMD Ryzen-7 5000 series or higher
2.	Core	4 or higher per processor	6 or higher per processor	8 or higher per processor
3.	RAM	8 GB DDR4 and expandable upto 16 GB with 2 DIMM slots having one vacant DIMM slot	8 GB DDR4 and expandable upto 16 GB with 2 DIMM slots having one vacant DIMM slot	16 GB DDR4 and expandable upto 32 GB with 2 DIMM slots having one vacant DIMM slot
4.	Storage	256 SSD NVMe & 1 TB SATA HDD @7200 rpm or Higher	256 SSD NVMe & 1 TB SATA HDD @7200 rpm or Higher	512 SSD NVMe & 1TB SATA HDD @7200 rpm or Higher
5.	Display/ Monitor	Minimum 21.5" Screen diagonal HD or higher TN/VA/IPS Monitor and CPU shall be from same OEM		
6.	Connectivity	Integrated Wi-Fi (802.11 a/ b/ g/ n) Bluetooth v5.0 or higher Gigabit Ethernet		
7.	Interfaces	6 USB at least two should be USB 3.1 1 Audio combo port for both Microphone and Headphone 1 RJ45 1 VGA/Display 1 HDMI		
8.	Keyboard & Mouse	USB keyboard USB optical Mouse Keyboard and Mouse shall be from same OEM		
9.	Operating System	Factory pre-loaded Windows 11 Professional or higher UPPCL logo should be factory pre-loaded and visible in BIOS.		
10.	Certificate	Energy Star or BEE OEM certificate for Factory pre-loaded OS RoHS Compliant EPR		
11.	Security	TPM 2.0 (Hardware/Firmware)		
12.	OEM onsite Warranty	5 Years		

B. Laptops' Technical Specifications:

S. N.	Particular	Requirement		
		Entry-Level	Mid-Level	High-Level
1.	Processor	12th generation Intel Core-i3 or higher **Or** AMD Ryzen-3 5000 series or higher	12th generation Intel Core-i5 or higher **Or** AMD Ryzen-5 5000 series or higher	12th generation Intel Core-i7 or higher **Or** AMD Ryzen-7 5000 series or above
2.	RAM	8 GB DDR4 and expandable upto 16 GB with 2 DIMM slots having one vacant DIMM slot	8 GB DDR4 and expandable upto 16 GB with 2 DIMM slots having one vacant DIMM slot	16 GB DDR4 and expandable upto 32 GB with 2 DIMM slots having one vacant DIMM slot
3.	Storage	512 SSD NVMe or higher	512 SSD NVMe or higher	1TB SSD NVMe or higher
4.	Graphics Card	Integrated		
5.	Speaker, Camera & Display	Inbuilt stereo/dual speakers HD camera 14/15.6 inches LED backlit		
6.	Wi-Fi, Bluetooth & Ethernet	Integrated Wi-Fi (802.11 a/ b/ g/ n) Bluetooth v5.0 or higher Gigabit Ethernet		
7.	Interfaces	Minimum 2 USB (at least one should be USB 3.1) 1 Audio combo port for both Microphone and Headphone 1 RJ45 1 HDMI port		
8.	Touchpad	Multipoint Touchpad		
9.	Operating System	Factory pre-loaded Windows 11 Professional or higher UPPCL logo should be factory pre-loaded and visible in BIOS.		
10.	Certificate	Energy Star or BEE OEM certificate for Factory pre-loaded OS RoHS Compliant EPR		
11.	Battery	Lithium-ion Battery capacity (Watt Hour)-Minimum 40 Battery Backup Time (Hours) – Minimum 8		
12.	OEM onsite Warranty	3 years for laptop and battery.		
13.	Security	TPM 2.0 (Hardware/Firmware)		
14.	Carry Case	Suitable Carry Case		

C. UPS Specifications: -

S.N.	Type (1)-Offline/Line-Interactive/Online UPS	
	Particular	Requirement
1.	UPS Type	Offline/Line-Interactive/online
2.	Input Voltage	AC Single Phase 160V-260V 50 Hz
3.	Output (AC Mode) Voltage	230 V +/- 1% 50 Hz
4.	Output (Inverter Mode) Voltage	230 V +/- 1% 50 Hz
5.	Switching Over time	Max 10 Mili sec (in case of Offline/Line-Interactive)
6.	Rating	1 KVA, Single phase

7.	Battery capacity	Min 168 VAH (inbuilt)
8.	Warranty (UPS)	3 Years
9.	Warranty (Battery)	2 Years
10.	Protection	Power Failure, Power Surge, Power Sag, Automatic Voltage Regulation
11.	Certification	BIS ISO 9001:2015 (Quality management) RoHS

D. **Printer Specifications : -**

Type (1) - Multi-Purpose Printer with Scanner		
S.N.	**Particular**	**Requirement**
1.	Print, Scan & Copy	YES
2.	Printing technology	Monochrome Laser / Ink tank (Inkjet)
3.	Cartridge technology	Composite cartridge/Separate Drum & Toner / Ink
4.	ISO Print speed black (Normal, A4, ppm)	20 PPM or higher
5.	Print quality	600 x 600 dpi or higher
6.	Duty cycle (monthly, A4)	Minimum: 20,000 pages
7.	Standard memory	Minimum: 128 MB
8.	Number Of Paper Trays	Minimum: 2
9.	Each Paper Tray Capacity	Minimum :150 Sheet
10.	Duplexing Feature	YES
11.	ADF Feature	YES
12.	OS Compatibility	Windows 10 and Higher
13.	Media sizes supported	A4, A5, A6, B5, Legal, Indian Legal, Letter, Envelope
14.	Standard connectivity	Ethernet 10/100BaseTX (RJ-45) USB 802.11b/g/n Wireless
15.	On Site OEM Warranty	3 Years
Type (2)- Single Purpose Printer (only Printing)		
S.N.	**Particular**	**Requirement**
1.	Printing technology	Laser / Ink tank (Inkjet)
2.	Printing Output	Monochrome
3.	Cartridge technology	Composite cartridge/Separate Drum & Toner / Ink
4.	Internal Memory	Minimum : 64 MB
5.	Print Resolution (Mono)	600 x 600 dpi or higher
6.	Duty cycle (monthly, A4)	Minimum :10,000 pages
7.	ISO Print speed black (normal, A4)	20 PPM or higher

8.	Duplexing Feature	YES
9.	Input tray capacity	Minimum : 100 pages
10.	Media size supported	A4, A5, A6, B5, Legal
11.	Operating System	Windows 10 and Higher
12.	USB support	Yes
13.	Wireless Connectivity	Yes
14.	On Site OEM Warranty	3 Years

<div align="center">Type (3)-Color Printer</div>

S.N.	Particular	Requirement
1.	Printing technology	Laser / Ink tank (Inkjet)
2.	Cartridge technology	Composite cartridge/Separate Drum & Toner / Ink
3.	Printing Output	Color
4.	Internal Memory	Minimum : 8 MB
5.	Print Resolution (Mono)	600x600 dpi or higher
6.	Duty cycle (monthly, A4)	Minimum: 3,000 pages
7.	Print Speed Color	10 PPM or higher
8.	Input tray capacity	Minimum : 100 pages
9.	Duplexing Feature	YES
10.	Media size supported	A4, A5, A6, B5
11.	Operating System	Windows 10 and Higher
12.	USB support	Yes
13.	Wireless Connectivity	Yes
14.	On Site OEM Warranty	3 Years

E.   Others:

1. Usage of different category of desktop/laptop/UPS/Printer:

    a. **Entry-Level Desktop/Laptop:-** These devices shall be allocated for locations where only dedicated revenue collection is being done and these are not generally used in other office works.

    b. **Mid-Level Desktop/Laptop:-** These devices shall be generally allocated for locations like sub-division, Division, Circle, Zone, Discom/UPPCL HQ where multiple IT applications are being used (such as SAP ERP, Jhatpat, RMS, Excel, Word etc).

    c. **High-Level Desktop/Laptop:-** These devices shall be allocated for personnel who are involved in specialised task like IT development, Heavy Excel works and will be allocated only on specific approval of Managing Director, UPPCL/Discoms.

    d. **Online UPS:-**These devices shall be allocated only for MPLS networking equipment installed at end location. For other locations, normal UPS (offline) will be used.

    e. **Type (1) - Multi Purpose printer with Scanner:-** These printers may be allocated for the offices like sub-division/division/circle/zone/Discom HQ/UPPCL HQ. In order to optimize the printer requirement, it should be encouraged to utilize one printer by connecting multiple

desktop/laptop nearby through Wi-Fi/LAN. Offices/sections having large amount of printing should use ink-tank printers, as far as possible. Not only the purchase cost, but operating cost should be optimized, there is no need of having multiple scanners in a small office. In such cases Type (2) printers may be used.

    f. **Type (2) - Single Purpose Printer (only printing):-** These printers may be allocated for the locations where only dedicated revenue collection is being done. However, these printers may also be allocated in other offices where only printing feature is required.

    g. **Type (3) -Color Printer:-** These printers may be allocated for division and higher offices for color printing /presentation etc. Only one color printer should be allocated in division/circle/zone offices.

2. To ensure the authenticity of equipment, following safe-guard shall be added in the bid:-

    a. Bidder shall be asked to submit Manufacturer Authorisation Form (MAF) of equipment OEM if OEM itself is not participating in the bid.

    b. Pre-Dispatch Inspection (PDI) and bechmarking shall be done for minimum 3% of ordered quantity.Such selection will be made at random by using random number generation technique, whose result should be kept on file.

    c. OEM should have online facility to verify the specification details of the supplied equipment's. The link details of the online facility (URL) of OEM should be submitted along with bid. Discom will ensure that each equipment is verified from OEM website.

    d. Discom will ensure that each Deskotp/Laptop should have inbuilt UPPCL logo in the operating system.

3. Procurement of these equipments shall be done through GeM Portal ordinarly once in a year at the Discom level. In exceptional case, Chief Engineers of Zones are authorized to purchase small/miscellaneous quantity only after due justification is recorded in any such case.

    2. कारपोरेशन के कार्यालय ज्ञाप संख्या–1601–कार्य / चौदह–पाकालि / 2023–5–के / 2020 दिनांक 24.06.2023 द्वारा निर्गत तकनिकि विशिष्टी उपरोक्तानुसार संशोधित माने जायेंगें। उक्त तकनीकी विशिष्टीकरण दिनांक 31.03.2024 तक मान्य होंगे।

    3. उपरोक्तानुसार निर्धारित तकनीकि विशिष्टी में बिना उ0प्र0 पावर कारपोरेशन लि0 की अनुमति के कोई भी विचलन अनुमन्य नहीं होगा किन्तु निविदा के अंतर्गत समान लागत पर उच्च विशिष्टी के उपकरण प्राप्त किये जा सकते है।

<div align="right">अध्यक्ष</div>

संख्या :–2752(1)–कार्य / चौदह–पाकालि / 2023–5–के / 2020 तद्दिनांक।

प्रतिलिपि निम्नलिखित को सूचनार्थ एवं आवश्यक कार्यवाही हेतु प्रेषित :–

1. प्रबन्ध निदेशक, उ0प्र0 पावर कारपोरेशन लिमिटेड, शक्ति भवन, लखनऊ।

2. प्रबन्ध निदेशक, पूर्वान्चल / मध्यांचल / दक्षिणान्चल / पश्चिमांचल विद्युत वितरण निगम लिमिटेड, वाराणसी / लखनऊ / आगरा / मेरठ एवं केस्को–कानपुर।

3. निदेशक (का0प्र0 एवं प्रशा0 / वित्त / वितरण / वाणिज्य / कारपोरेट प्लानिंग / आई0टी0), उ0प्र0 पावर कारपोरेशन लिमिटेड, शक्ति भवन, लखनऊ।

4. निदेशक (कार्मिक एवं प्रबन्धन / वित्त / तकनीकी / वाणिज्य), पूर्वान्चल / मध्यांचल / दक्षिणान्चल / पश्चिमांचल विद्युत वितरण निगम लिमिटेड, वाराणसी / लखनऊ / आगरा / मेरठ एवं केस्को–कानपुर।

5. अपर सचिव–I,II,III उ0प्र0 पावर कारपोरेशन लिमिटेड, शक्ति भवन, लखनऊ।

6. उपमहाप्रबन्धक (लेखा प्रशासन), उ0प्र0 पावर कारपोरेशन लिमिटेड, शक्ति भवन लखनऊ।

7. मुख्य अभियन्ता (सामग्री प्रबन्ध), पूर्वान्चल/मध्यांचल/दक्षिणान्चल/पश्चिमांचल विद्युत वितरण निगम लिमिटेड, वाराणसी/लखनऊ/आगरा/मेरठ एवं केस्को–कानपुर।

8. समस्त मुख्य अभियन्ता (वितरण)/अधीक्षण अभियन्ता (वितरण), पूर्वान्चल/मध्यांचल/दक्षिणान्चल/ पश्चिमांचल विद्युत वितरण निगम लिमिटेड, वाराणसी/लखनऊ/आगरा/मेरठ एवं केस्को–कानपुर।

9. समस्त मुख्य अभियन्ता उ0प्र0 पावर कारपोरेशन लिमिटेड, लखनऊ।

11. समस्त संयुक्त सचिव, उ0प्र0 पावर कारपोरेशन लिमिटेड, शक्ति भवन, लखनऊ।

12. अधिशासी अभियन्ता (वेब), कक्ष संख्या–407, उ0प्र0 पावर कारपोरेशन लिमिटेड, शक्ति भवन विस्तार, लखनऊ को वेबसाइट–www.uppcl.org पर अपलोड करने हेतु।

13. कट फाइल।

आज्ञा से,

(मृगांक शेखर दाश भट्टमिश्र)
निदेशक (का0प्र0 एवं प्रशा0)