

**HIMACHAL PRADESH  
STATE ELECTRONICS  
DEVELOPMENT  
CORPORATION  
LIMITED**



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File No. HPSEDC/Hardware Items/2K24-14503  
e-Office File No.: 243451  
Date: 13/02/2025**

### **Corrigendum-II**

**(Tender No.HPSEDC/Hardware Items/2K24-14503)**

HPSEDC published e-tender for Procurement of Computer Hardware Items on 10/01/2025.

Based on the queries received from the bidders, the following changes/ modifications/ clarifications/ specifications in the tender Section(s)/ Clause(s) are incorporated in the tender document by issuing Corrigendum attached as **Annexure A**.

**Last date for bid submission is extended from 14-02-2025 to 24-02-2025 till 2.30PM and same will be opened on 25-02-2025 at 2.30PM.**

**Data Controller, HPSEDC**

Revised/ Updated specifications are as follows:

**Item No.1: USB Hard Disk 2 TB (Qty. 9)**

Sr. No	Parameters	Minimum Specifications	Compliance (Yes/No)
1.	Capacity	2 terabytes (2 TB)	
2.	Form Factor	2.5-inch or 3.5-inch	
3.	Interface	USB 2.0 and USB 3.0 supportive	
4.	Transfer Speed	2 Gbps or more	
5.	Power Source	External power supply, if support	
6.	Compatibility	Windows, MacOS Linux and any other compatible OS	
7.	Additional Features	Hardware encryption for enhanced data security, backup software, rugged or shock-resistant designs and compatibility with cloud storage services.	
8.	Comprehensive On-Site Warranty	Three (3)/ Five (5) years	

**Item No. 2: Display Monitor outside Court Room for Current Case Display (Qty. 18)**

Sr. No.	Parameter	Minimum Specifications	Compliance (Yes/No)
1.	Display Size (diagonally)	42"/ 46" (As per requirement)	
2.	Supported native resolution	FHD (1920 X 1080) or better	
3.	HDMI inputs or equivalent	03	
4.	Should work satisfactorily with VC System	Yes	
5.	Shall have LAN (RJ-45) port or Wi-Fi connectivity for direct presentation or application sharing on display unit	Yes	
6.	Display working/ operations hours	16X7 hours or higher	
7.	Shall operate for 10000 hrs to 50000 or better	Yes	
8.	Brightness	350 nits or more	

9.	Audio amplifier for 20 W or higher RSM power with speakers (built in or external)  Optional:- Any additional certifications may also be quoted.	Yes	
10.	Comprehensive On- Site Warranty	Three (3)/ Five (5) Years	

**Item No. 3: Extra Monitor + port VGA Splitter/ Extension/ Distribution Unit (Qty. 17)**

Sr. No.	Parameter	Minimum Specifications	Compliance (Yes/No)
<b>Monitor</b>			
1.	Type	LCD/ TFT non-touch	
2.	Display size (Diagonally)	23" or Higer	
3.	Supported native resolution	FHD (1920 X 1080) or higher	
4.	Connectivity	HDM or VGA and DVI	
5.	Splitter/ Extn./ Distribution Unit and TCO certified/BIS Certified	Yes	
<b>VGA Splitter</b>			
6.	No. of Outputs	2 or more	
7.	Resolution	1920 X 1080 FHD or more	
8.	Signal Amplification	Built-in	
9.	Powered	Yes	
10.	Comprehensive On-Site Warranty	Three (3)/ Five (5) Years	

**Item No. 4: MFD Printer (Mono Multi-Function Printer Laser, Scanner & Copier) (Qty. 8)**

Sr. No.	Parameter	Minimum Specifications	Compliance (Yes/No)
1.	Speed (min)	33 PPM to 35 PPM or higher	
2.	Functions	Print, copy and scan (Flatbed & DADF)	
3.	Memory (min)	512 MB	



4.	Technology	Laser & Automatic Duplex Printing (DADF)	
5.	Resolution for Print/ Copy/ Scan	600 X 600 dpi or higher	
6.	Language support	A4, legal, letter & envelope	
7.	Interface	USB 2.0 & Ethernet	
8.	Display Panel for setting	LCD	
9.	Monthly Duty Cycle	50000 to 80000 pages or higher/better	
10.	Media size support	A4, legal, letter & envelope	
11.	Toner Cartridge with MFD	Declare the yield value in accordance with ISO/IEC standard	
12.	Drivers & accessories	Yes- Power cable, USB Cable	
13.	Scanner	Flatbed and duplex ADF scanning (DADF)	
14.	Scan to Email	Yes	
15.	OS Support	Windows, Linux (Ubuntu) and Any other compatible OS	
16.	Environmental Compliance	BEE/ Energy Star, RoHS and EPR complied  Optional:- Any additional certifications may also be quoted.	
17.	Comprehensive On- Site Warranty	Three (3)/ Five (5) Years	

**Item No. 5: Scanner 40 ppm (Qty. 9)**

Sr. No.	Parameter	Minimum Specifications	Compliance (Yes/No)
1.	Scan Speed	40 ppm or higher (A4)	
2.	Scan Size	A4, Legal	
3.	Scan type	Color & B/W Flatbed with ADF	
4.	Resolution	600 X 600 dpi (optical)	
5.	ADF Capacity	50 Sheets (pages) or higher	
6.	Duplex	Automatic	
7.	Recommended	4000 Pages per day or higher	

8.	Interface	USB 2.0 and Ethernet	
9.	Scanning Software	OCR built-in	
10.	Output Format	PDF, JPEG, PNG, BMP, TIFF, TXT (Text), RTF (Rich Text), Searchable PDF and PDF/A advance or equivalent	
11.	OS Supported	Windows, Linux (Ubuntu) and any other compatible OS	
12.	Drivers & Accessories Required	Yes- Power & USB Cable	
13.	Comprehensive On-Site Warranty except for consumables	Three (3)/ Five (5) Years	
14.	Environmental Compliance	BEE/ Energy Star, RoHS and EPR complied  Optional:- Any additional certifications may also be quoted.	

**Item No. 6: UPS (2 hrs backup) for Network Room- Average for 2KVA (Qty. 9)**

Sr. No.	Parameter	Minimum Specifications	Compliance (Yes/No)
1	<b>Capacity</b>	2KVA (Single phase input & single-phase output)	
	<b>Battery Backup</b>	120 Minutes at full load	
2	<b>General</b>		
	Inverter Technology	Pulse Width Modulation (PWM) using IGBTs, double conversion	
	Total Harmonic Distortion (THD) Voltage	<3% for 100% linear load  <5% for 100% non-linear load	
	Operating Temperature	0°-40° C	
	Crest Factor	Not less than 3:1 on full non-linear load	
	Humidity	Up to 95% non-condensing	
	Output Wave Form	Pure Sine wave	
	Cold Start facility	Required	
	Cooling	Air cooled	

	Audible Noise	<60 db	
3	<b>Input</b>		
		AC Single Phase	
	Voltage Range	160 V AC to 270 V AC	
	Frequency Range	50± 6% Hz	
	Input Power Factor	0.99 or better at full output load leading to Unity with active power factor correction (APFC)	
	Distortion (Current)	Less than 10%	
	D/G Set Compatibility	Required	
4	<b>Output</b>		
	Voltage	230V AC +1 %, single phase	
	Regulation (Steady State)	Less than + 2% at No load to full load	
	Frequency	(a) 50 Hz + 0.5 %	
5	<b>Efficiency</b>		
	Overall Efficiency	90 % or better on rated full load at 0.9 PF & 230V, 50Hz AC output	
	Inverter Efficiency	92% or better on rated full load at 0.90 PF & 230V, 50Hz AC output	
6	<b>Overload Capacity</b>	110% for 2 min. & 125% overload for 30sec.	
7	<b>Load Power Factor</b>	0.90 lagging to unity	
8	<b>Transient Response Time</b>	For 100% load change, output must remain within ±1% and recovery within 20 ms.	
9	<b>Protection</b>	Required for : Short Circuits Over Loading Over Temperature Input low/ high voltage control	
10	<b>Battery Bank Details</b>		
	Battery Type	Sealed Maintenance Free (VRLA)	
	Battery Features	Reputed brand, manufactured in India & complying to JIS C 8702 test.	



	Battery recharge time (after complete discharge to 90% charge) & charge rating	Battery recharge time to 90% charge after 100% DoD should be within 8-10 hours and charger should be capable to charge battery on C20 rating.	
	Battery Cut off voltage during backup	Not less than 10.5V	
11	<b>Battery Capacity</b>		
	Capacity of UPS	Max. VAh	
	2 KVA		
	UPS & Battery Housing	Powder coated UPS cabinet and battery rack made of good quality material and should be free from sharp edge, scratches, nicks, & burs etc. Enclosure should conform to all protection requirements.	
12	<b>L.C.D. meter</b>	To measure and monitor input voltage, output voltage, output load level in %, DC voltage, input /output frequency	
13	<b>Indications</b>	Mains on Load on Battery Inverter Load level Inverter overload	
14	<b>Audible Alarm</b>	Over Temperature  Main failure  Battery low Inverter Overload	
15	<b>Switches</b>	Main ON/OFF MCB  Battery ON/OFF MCB Inverter push button with reset or UPS ON/OFF button available in front panel	
16	<b>Output Connection</b>	O/P Terminals of standard quality should be provided.	
17	<b>Isolation Transformer</b>	Compatible Galvanic Isolation Transformer shall be provided.	
18	<b>Static &amp; Manual Bypass</b>	Shall be provided	
19	<b>Product Certification</b>	ISO 9001-2000 certified and RohS compliant	

20	<b>Comprehensive On Site Warranty including Batteries</b>	Three (3) / Five(5) Years	
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