

Technical Specifications and Compliance of Goods and related services (Form e-PG3-4)

Item No.	Detailed Technical Specification and Standards required	Offered Specification
Laptop		
1	Brand: Any internationally reputed brand (To be Mentioned by Bidder).	Brand: HP
	Model: To be mentioned by Bidder.	Model: HP 250 G7 Laptop
	Country of origin: To be mentioned by Bidder	Country of origin: USA
	Country of Manufacture: To be mentioned by Bidder	Country of Manufacture: China
	Processor: 8th Generation Intel Core i7-8550U (1.8 GHz base frequency, up to 4 GHz with Turbo Boost Technology, 8 MB cache, 4 cores)	Processor: 8th Generation Intel Core i7-8565U (1.8 GHz base frequency, up to 4.60 GHz with Turbo Boost Technology, 8 MB cache, 4 cores)
	Motherboard: Intel Chipset integrated with processor	Motherboard: Intel Chipset integrated with processor
	RAM: 8 GB DDR4-2400 MHz SDRAM	RAM: 8 GB DDR4-2400 MHz SDRAM
	Hard Disk Drive: 1 TB 5400 rpm SATA	Hard Disk Drive: 1 TB 5400 rpm SATA
	Optical Drive: DVD ±RW drive	Optical Drive: DVD ±RW drive
	Graphics Adapter: Intel /AMD Radeon/ NVIDIA GeForce HD Graphics Integrated	Graphics Adapter: Intel HD Graphics Integrated
	Display Size: 15"~16"	Display Size: 15.6"
	Display Resolution: FHD (1920 x 1080) with Anti-glare WLED-Backlit	Display Resolution: FHD (1920 x 1080) with Anti-glare WLED-Backlit
	Network Interface: 802.11a/b/g/n/ac Wi-Fi and Bluetooth 4.2 Combo; Integrated Gigabit Ethernet with RJ-45 Connectivity	Network Interface: 802.11a/b/g/n/ac Wi-Fi and Bluetooth 4.2 Combo; Integrated Gigabit Ethernet with RJ-45 Connectivity
	I/O Port: Minimum 3 USB ports (at least 1 port should be 3.0 or above), 1 HDMI port, SD Card reader, headphone/ Microphone combo jack	I/O Port: 3 USB ports (2 USB 3.1, 1 USB 2.0), 1 HDMI port, SD Card reader, headphone/ Microphone combo jack
	Webcam: Integrated HD webcam with Microphone	Webcam: Integrated HD webcam with Microphone
	Battery: Minimum 3-cell battery with 4.5 hours backup time	Battery: 3-cell battery with 4.5 hours backup time
	Features: Touchpad with multi-touch gesture support, Dual speakers	Features: Touchpad with multi-touch gesture support, Dual speakers
	Accessories: USB optical Mouse of same brand, Original Carrying Bag.	Accessories: HP USB optical Mouse, HP Original Carrying Bag.
	Operating System: Pre-loaded Windows 10 Professional with genuine License	Operating System: Pre-loaded Windows 10 Professional with genuine License
	Antivirus: Any Reputed antivirus with 1 year subscription	Antivirus: Kaspersky antivirus with 1 year subscription

	Certification: ISO 9001: 2015 certificate for quality assurance and FCC class B certificate	Certification: ISO 9001: 2015 certificate for quality assurance and FCC class B certificate (Enclosed)
	Authentication: Major parts of the system shall have the trademark on the product verifiable from the website	Authentication: Major parts of the system will have the trademark on the product verifiable from the website
	Others: Installation and configuring of all necessary software. Provide necessary software backup copy in local drive.	Others: Installation and configuring of all necessary software. Will be Provided necessary software backup copy in local drive.
	Warranty: 03 (three) years full warranty with spare parts and service. 01 Year warranty for Battery and adapter.	Warranty: 03 (three) years full warranty with spare parts and service. 01 Year warranty for Battery and adapter.
2	Air Conditioner	
	Brand: Any Reputed Brand (To be mentioned by the Bidder)	Brand: General
	Model: To be mentioned by the Bidder	Model: ASGA 24FMTB
	Country of Origin: To be mentioned by the Bidder	Country of Origin: Japan
	Country of Manufacture: To be mentioned by the Bidder	Country of Manufacture: Thailand
	Capacity: 2.0 Ton, 24,000 BTU / Hr	Capacity: 2.0 Ton, 24,000 BTU / Hr
	Category: Wall Mounted Split Type Air Conditioner	Category: Wall Mounted Split Type Air Conditioner
	Power source (V/Ø/Hz): 220-240/1/50	Power source (V/Ø/Hz): 220-240/1/50
	Cooling input power (KW): 2.62-2.72	Cooling input power (KW): 2.60-2.44
	EER (cooling): 2.60-2.54	EER (cooling): 2.75-2.93
	Running current (A): 12.8-13.4	Running current (A): 12.6-13.6
	Moisture removal (L/H): 2.5	Moisture removal (L/H): 2.5
	Indoor airflow rate (M3/H): 900	Indoor airflow rate (M3/H): 676
	Outdoor airflow rate (M3/H): 2,500	Outdoor airflow rate (M3/H): 1150
	Refrigerant: R22/ R410A	Refrigerant: R410A
	Noise Level (indoor): Less than 45 dB	Noise Level (indoor): Less than 45 dB
	Noise Level (outdoor): Less than 60 dB	Noise Level (outdoor): Less than 60 dB
	Energy Rating: 3 Star	Energy Rating: 3 Star
	Features: Powerful Cooling; Multi Airflow for better Air Circulation, Eco-friendly Gas; Low Noise Design, Smart Energy-Saving Operation, Indoor Temperature LED Display	Features: Powerful Cooling; Multi Airflow for better Air Circulation, Eco-friendly Gas; Low Noise Design, Smart Energy-Saving Operation, Indoor Temperature LED Display
	Product certification: ISO 9001 Certified and ISO 14001 Certified	ISO 9001 Certified and ISO 14001 Certified (Attached)

	<p>Installation including supply of all materials and labor: Supply, installation, testing and Commissioning at designated locations approved by SESIP as per following criteria:</p> <p>a) Mounting/ Fitting indoor & outdoor units at the respective locations as per standard practice including Leak testing and additional refrigerant charge if required.</p> <p>b) Supply & installation of suitable size copper refrigerant lines (suction and return) including insulation, elbow, bends, tees, joints, cutting, drilling, fitting, PVC channel setting, drain pipe and all necessary materials along with required electrical and control cabling as per standard practice.</p> <p>Warranty & services: Electrical Spare Parts: 3 Years; Compressor: 5 Years; Free Service: 3 Years.</p>	<p>Installation including supply of all materials and labor: Supply, installation, testing and Commissioning at designated locations approved by SESIP as per following criteria:</p> <p>a) Mounting/ Fitting indoor & outdoor units at the respective locations as per standard practice including Leak testing and additional refrigerant charge if required.</p> <p>b) Supply & installation of suitable size copper refrigerant lines (suction and return) including insulation, elbow, bends, tees, joints, cutting, drilling, fitting, PVC channel setting, drain pipe and all necessary materials along with required electrical and control cabling as per standard practice.</p> <p>Warranty & services: Electrical Spare Parts: 3 Years; Compressor: 5 Years; Free Service: 3 Years.</p>
IPS		
3	Brand: To be mentioned by the bidder	Brand: Giga
	Model: To be mentioned by the bidder	Model: IPS2000
	Country of Origin: To be mentioned by the bidder	Country of Origin: Bangladesh
	Capacity: 2 KVA	Capacity: 2 KVA
	Input Voltage (AC Mode): 220VAC ± 10%	Input Voltage (AC Mode): 150~270VAC
	Output Voltage (Inverter Mode): 220 VAC± 5% (At full load).	Output Voltage (Inverter Mode): 220 VAC± 5% (At full load).
	Charging Voltage Range: 140-270 VAC	Charging Voltage Range: 140-270 VAC
	Frequency: 50Hz	Frequency: 50Hz
	Waveform: Sine wave	Waveform: Sine wave
	Battery Re-Charging Time: Maximum 10 Hours to 100% after full Discharge	Battery Re-Charging Time: 10 Hours to 100% after full Discharge
	Battery Type: Sealed Maintenance Free	Battery Type: Sealed Maintenance Free
	Battery Capacity: Min 12V 150Ah each	Battery Capacity: 12V 150Ah each
	System Voltage: 48 VDC	System Voltage: 48 VDC
	Backup time: 01 Hour at full load with 1500 watt bulb test	Backup time: 01 Hour at full load with 1500 watt bulb test
	AC Input Cable: High quality AC cable with fuse protected grounded 13/15A plug	AC Input Cable: High quality AC cable with fuse protected grounded 13/15A plug
	Noise Level: Less than 45 dB	Noise Level: Less than 45 dB

Features: Protections of Over & Under Voltage, Over Load, battery Low & Battery Overcharge Protection. Display panel to show information.	Features: Protections of Over & Under Voltage, Over Load, battery Low & Battery Overcharge Protection. Display panel to show information.
Bulb Test: Bulb Test with variance + Bulb+ Bulb bed+ Multimeter must be arranged by supplier	Bulb Test: Bulb Test with variance + Bulb+ Bulb bed+ Multimeter will be arranged by STBL
Warranty: 02 (two) years full warranty with spare parts and service.	Warranty: 02 (two) years full warranty with spare parts and service.