

SUPPLY OF IT EQUIPMENT		
	TECHNICAL SPECIFICATIONS	COMPARATIVE SPECIFICATION / REMARKS
A - Minimum technical requirements.		Comparative specification / remarks should indicate any deviation from technical parameter or functional description of tender specification or confirmation with "Yes" and if applicable further particularities.
1	Notebook 	
1.1	Dell Latitude 5431 not detachable or Equivalent	
1.2	Class: business (heavy duties)	
1.3	Processor:12th GenerationIntel®Core™i5 (minimum)	
1.4	Operating System: Microsoft Windows 10 Pro or Win 11 Pro 64-Bit System Builder OEM	
1.5	Memory:16 GB (minimum)	
1.6	Storage: M.2 2230, 512 GB, PCIe NVMe, SSD, Class (minimum)	
1.7	Graphics Card: Intel® Intel® Iris Xe Graphics or Equivalent	
1.8	Display Size :14-inch Full HD (1920X1200) Non-Touch (minimum)	
1.9	Wireless : Wi-Fi 6 minimum	
1.10	keyboard: Single Point Keyboard US-English and Arabic with backlight	
1.11	Thunderbolt™ 4 with Power Delivery	
1.12	2 USB 3.2 Gen 1 port (minimum)	
1.13	1 HDMI 2.0 port	
1.14	Universal audio port	
1.15	Warranty: 1 Year Hardware Warranty (minimum)	
2	Dell Thunderbolt Dock or Equivalent 	
2.1	Docking interface Thunderbolt™ 4	
2.2	USB-A 3.1 QTY 3 (minimum)	
2.3	HDMI 2.0 QTY 1 (minimum)	
2.4	Displayport QTY 2 (minimum)	
2.5	USB-C QTY 2 (minimum)	
2.6	Power: power adapter 180 watt AC 120/230 V (50/60 Hz)	
2.7	Gigabit Ethernet RJ45	
3	Combo keyboard mouse 	
3.1	wired USB A connection for mouse and keyboard	
3.2	Layout Language : English and arabic	
3.3	10-Key Number pad	
4	Headset logitech H650E HEADSET or Equivalent 	
4.1	wired USB A connection	
4.2	Noise-cancelling mic Bi-directional	
5	Webcam 	
5.1	Resolution: 1080p minimum	
5.2	Focus type: Autofocus	
5.3	Diagonal field of view (dFoV): 78°	
6	Monitor 	
6.1	Device Type:LED-backlit LCD monitor - 27"	
6.2	Aspect Ratio:16:09	
6.3	Native Resolution:1920 x 1080 at 60 Hz (minimum)	
6.4	Color Support 16.7 million colors	
6.5	Display Position Adjustments	
6.6	Ports & Slots: HDMI , Display port , USB-C	
6.7	Response Time 8 ms (gray-to-gray normal); 5 ms (gray-to-gray fast)	

6.8	Input Voltage AC 100-240 V (50/60 Hz)	
7	Copy Machine, Kyocera Taskalfa - 2554ci or Equivalent	
7.1	Kyocera Taskalfa - 2554ci or Equivalent	
7.2	The machine works as Copier, Network Printer and colored Scanner	
7.3	min. 25/12 pages A4/A3 per minute in color & B/W	
7.4	2 × 500-sheet universal paper feeder (52-300g/m2); A5R-50 × 120 mm	
7.5	at least 150-sheet multi-purpose tray (52-300g/m2); A6R-320 × 450 mm -	
7.6	Duplex, Double-side printing as standard. -	
7.7	Networkable scanner, Scan-to-PC, Scan-to-email, Scan-to-USB.	
7.8	Scan min. 160 images per minute in B&W/Color	
7.9	4 GB standard memory minimum	
7.10	320 GB HDD	
7.11	A3 sizes	
7.12	1,200 × 1,200 dpi resolution, Multi-bit technology for print quality of 4,800 dpi equivalent x 1200 dpi	
7.13	Standard interface 4 x USB 2.0 (Hi-Speed), USB Host 2.0, Fast Ethernet 10 BaseT/100 BaseTX/1,000 BaseT.	
7.14	Warm-up time: up to 18 seconds or less	
7.15	Time to first page: 6.4 seconds in b&w	
7.16	up to 8.5 seconds in color -	
7.17	Digital Feature scan-one-copy-many, Electronic sort	
7.18	Colored touch screen	
7.19	Zoom range 25 - 400%	
B. DELIVERY		
1	All Items should be delivered to GIZ office in Erbil	
2	Handling, transportation, and installation is under the responsibility of the supplier.	
3	Please indicate the shortest delivery time	
C. REMARKS AND CONDITIONS		
1	All standard accessories for all offered items should be provided.	
2	A Technician must be delegated from supplier to Install, and recheck after maintenace time.	
3	The supplier shall provide the items with all standard technical features and specifications and in full working conditions.	
4	Catalogues/picture and datasheets with details and specifications must be provided with the tender submission by bidder for the needed items and GIZ will physically check and approve	
5	Supplying, loading, offloading and transportation are included	
6	Reference pictures are only to recognize and understand the items, not an indication for any model or brand	