

## ANNEX 1 TECHNICAL SPECIFICATION

## A. Technical Specification

| IT Equipment |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                      |          |
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| Item No      | Product Name | Product Specifications                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Reference Picture                                                                    | Quantity |
| 1            | Notebook     | <p>Processors: 11th Generation Intel Core i7-1165G7(12MB cache, up to 4.7GHz)</p> <p>Memory: 8GB, 1x8GB, DDR4, 3200MHz</p> <p>Hard Drive: 256GB M.2 PCIe NVMe Solid State Drive</p> <p>Ports:</p> <p>Network: One Flip-down RJ 45 10/100/1000 Mbps</p> <p>USB:</p> <ul style="list-style-type: none"> <li>• Two USB 3.2 Gen 1 Type-A port</li> <li>• One USB 2.0 Type-A port</li> <li>• One USB 3.2 Gen 1 Type-C port (optional)</li> </ul> <p>Audio: One Universal Audio Jack</p> <p>Video: One HDMI 1.4 port</p> <p>Power adapter port: 4.5 mm barrel-type</p> <p>Card slot: One SD 3.0 card slot</p> <p>Graphics Card: Nivada Geforce MX230 with 2GB GDDRS vRAM</p> <p>Camera: HD (720p @ 30 fps)</p> <p>Battery: 3-Cell, 42 WHr, integrated battery</p> <p>Keyboard: English, Arabic</p> <p>Dimensions and weight:</p> <p>-Height:</p> <ul style="list-style-type: none"> <li>Front 18.10 mm (0.71 in.)</li> <li>Rear 19.90 mm (0.78 in.)</li> </ul> <p>-Width 328.70 mm (12.94 in.)</p> <p>Depth 239.50 mm (9.42 in.)</p> <p>Weight 1.64 kg (3.61 lb)</p> <p>Display:</p> <p>Type: 14.0" Full High Definition (FHD)</p> <p>Panel technology: WVA (wide view angle)</p> <p>Luminance (typical): 220 nits</p> <p>Dimensions (active area):</p> <ul style="list-style-type: none"> <li>-Height: 173.99 mm (6.85 in.)</li> <li>-Width: 309.35 mm (12.17 in.)</li> <li>-Diagonal: 355.60 mm (14.00 in.)</li> </ul> <p>Native resolution: 1920 x 1080</p> <p>Megapixels: 2.0736</p> <p>Color gamut: NTSC 45% Typ.</p> <p>Pixels per inch (PPI): 157</p> <p>Contrast ratio (min): 500:1</p> <p>Response time (max): 35 ms</p> <p>Refresh rate: 60 Hz</p> <p>Horizontal view angle: 80 degrees</p> <p>Vertical view angle Top/Bottom: 80 degrees</p> <p>Pixel pitch: 0.161 mm x 0.161 mm</p> <p>Power consumption (maximum): 3.5 W</p> <p>Anti-glare vs glossy finish: Anti-glare</p> <p>Touch options: No</p> <p>Wireless:</p> <p>Wi-Fi 802.11 b/g</p> <p>Wi-Fi 4 (WiFi 802.11n)</p> <p>Bluetooth: 5.0</p> <p>Primary Battery:</p> <p>3-Cell, 42 WHr, Integrated battery</p> <p>warranty: one year</p> |    | 7        |
| 2            | Printer      | <p>Printing Technology: Laser - color</p> <p>Office Machine Features: Print from USB flash drive, save to USB flash drive, scan to e-mail, scan to folder, scan to network, scan to Cloud</p> <p>Wireless Ready: Yes</p> <p>Size: A4, Letter A</p> <p>Display Diagonal Size: 4.3"</p> <p>Display Diagonal Size (metric): 10.9 cm</p> <p>Feature: stouch screen</p> <p>Copying Speed: 28 ppm (mono) / up to 28 ppm (color)</p> <p>Copying Resolution: 600 x 600 dpi (mono) / up to 600 x 600 dpi (color)</p> <p>Copying Speed B/W: 28 ppm</p> <p>Copying Speed Color: 28 ppm</p> <p>Copying Resolution B/W: 600 x 600 dpi</p> <p>Copying Resolution Color: 600 x 600 dpi</p> <p>First Copy Out Time B/W: 9.8 sec</p> <p>Automatic Duplexing: Yes</p> <p>Printing Resolution: 600 x 600 dpi (mono) / up to 600 x 600 dpi (color)</p> <p>Printing Speed: 28 ppm (mono) / up to 28 ppm (color)</p> <p>Resolution B/W: 600 x 600 dpi</p> <p>Resolution Color: 600 x 600 dpi</p> <p>Printing Speed B/W: (ppm) 28 ppm</p> <p>Printing Speed Color (ppm): 28 ppm</p> <p>Automatic Duplexing: Yes</p> <p>Print Out Time Color1: 1.1 sec</p> <p>Scanner:</p> <p>Optical Resolution: D1200 x 1200 dpi</p> <p>Grayscale Depth: 8-bit</p> <p>Color Depth: 30 bit</p> <p>Automatic Duplexing: Yes</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  | 7        |
| Total        |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                      |          |

**B. Delivery**

All Items should Be delivered to GMAC office Baghdad

**C. Remarks And Condition**

- 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/Datasheet 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

