

No	Item	Description	Quantity	Reference Picture
1	Multi-function laser printer	- The machine works as a colored printer and scanner 21 pages per minute - in A4 in color and b/w - Duplex printing is standard - Resolution: 1,200×1,200 dpi - Time to first page: Approx. 11/12.5 sec. or less in b/w/color 250 sheet universal paper cassette 50 sheet multi-purpose tray - Memory: Standard 512 MB - Scan-to-e-mail (SMTP), Scan-to-FTP (FTP over SSL), Scan-to-SMBv3, Scan to USB Host, TWAIN scan (USB, network), WSD (WIA) scan (USB, network) - Scan speed: 30 lpm (300 dpi, A4, b/w), 23 lpm (300 dpi, A4, color) - Network printing as standard - Color scanning as standard	1	
2	Toner (black)	Original toner cartridge, black, single pack, compatible with laser printer (item 2)	2	
3	Toner (colour multipack)	Original toner cartridges, colour (cyan, magenta, yellow), multi-pack, compatible with laser printer (item 2)	2	

4	Conference microphone and loudspeaker	Bluetooth speakerphone: • Suitable for use with 5 to 10 people • Microphone: 360-degree omnidirectional microphone • Connectivity: Bluetooth, USB • Compatibility: compatible with Microsoft Teams / Skype for business • Size: ca. 12 x 12 x 3 cm • Weight: max. 0,5 kg • Battery life: ca. 15 hours, chargeable via USB • Functions / buttons: mute, volume up/down, • Other features: echo cancellation and background noise reduction	1	
5	Video conferencing system	Video conference system comprised of the following elements: <u>CAMERA</u> • Smooth motorized pan, tilt and zoom, controlled from remote or console, ca. 260°pan, ca. 130° tilt • ca. 10x lossless HD zoom • ca. 90° Field of View • Min. Full HD 1080p 30fps • LED to confirm video streaming <u>SPEAKERPHONE</u> • Full-duplex performance • Acoustic echo cancellation • Noise reduction technology • Ultra-wideband audio • Bluetooth and NFC wireless technology • LEDs for speakerphone streaming, mute, hold, and Bluetooth wireless pairing. • Controls for call answer/end, volume and mute, Bluetooth • Omni-directional microphones supporting min. 20-foot diameter range • Frequency response: 100Hz – 11KHz Sensitivity: -28dB +/-3dB Distortion: <1% @ 1KHz at 106dB	1	

		• Speakers (Rx) • Frequency response: 120Hz – 14KHz Sensitivity: 83dB SPL +/- 3dB at 1W/1M Max output: 91dB SPL • Distortion: <5% from 200Hz <u>REMOTE CONTROL</u> • Dockable, 8.5m/28-foot range <u>HUB/ CABLE</u> • Central mountable hub for connection of all components • Included adhesive solution for under-table mounting • Two cables for connection between hub and camera/ speakerphone (Length: 5m/16') • One USB cable for connection to PC/Mac (Length: 3m/6.6') • AC Power adapter (Length: 3m/9.8') <u>MOUNT</u> • Dual purpose mount for wall placement or for elevating the camera on a table <u>COMPLIANCE AND TOOLS</u> • USB 2.0 compliant • UVC-compliant video and audio for broad application compatibility • Optimized for Microsoft® Teams		
6	Projector	Meeting Room Projector, • Resolution: ca. 1920 x 1080 • Brightness: ca. 3500 Lumen, • Connection: HDMI, VGA • Weight: max. 3 kg • Light source wattage: ca. 210 watts • Lamp life: ca. 10.000 hours • Image contrast ratio: min. 15.000:1 • Dimensions: ca. 30 x 20 x 10 cm Carrying case / protective pouch included	1	

7	Smart Phone	'Model: Smasung Galaxy A52s BODY: Dimensions 159.9 x 75.1 x 8.4 mm (6.30 x 2.96 x 0.33 in) Weight 189 g (6.67 oz) Build Glass front (Gorilla Glass 5), plastic back SIM Single SIM (Nano-SIM) or Hybrid Dual SIM (Nano-SIM, dual stand-by) IP67 dust/water resistant (up to 1m for 30 mins) DISPLAY: Type Super AMOLED, 120Hz, 800 nits (HBM) Size 6.5 inches, 102.0 cm² (~84.9% screen-to-body ratio) Resolution 1080 x 2400 pixels, 20:9 ratio (~405 ppi density) Protection Corning Gorilla Glass 5 PLATFORM: OS Android 11, One UI 3.1 Chipset Qualcomm SM7325 Snapdragon 778G 5G (6 nm) CPU Octa-core (4x2.4 GHz Kryo 670 & 4x1.9 GHz Kryo 670) GPU Adreno 642L MEMORY: Card slot microSDXC (uses shared SIM slot) Internal 128GB 6GB RAM, MAIN CAMERA: Quad 64 MP, f/1.8, 26mm (wide), 1/1.7", 0.8µm, PDAF, OIS 12 MP, f/2.2, 123° (ultrawide), 1.12µm 5 MP, f/2.4, (macro) 5 MP, f/2.4, (depth) Features LED flash, panorama, HDR Video 4K@30fps, 1080p@30/60fps; gyro-EIS SELFIE CAMERA: Single 32 MP, f/2.2, 26mm (wide), 1/2.8", 0.8µm Features HDR Video 4K@30fps, 1080p@30fps SOUND Loudspeaker Yes, with stereo speakers	1	
---	-------------	---	---	--

		3.5mm jack Yes COMMS WLAN: Wi-Fi 802.11 a/b/g/n/ac/6, dual-band, Wi-Fi Direct, hotspot Bluetooth 5.0, A2DP, LE GPS Yes, with A-GPS, GLONASS, GALILEO, BDS, QZSS NFC Yes (market/region dependent) Radio Unspecified USB USB Type-C 2.0, USB On-The-Go FEATURES: Sensors Fingerprint (under display, optical), accelerometer, gyro, proximity, compass BATTERY: Type Li-Po 4500 mAh, non-removable Charging Fast charging 25W Color: Black		
8	Smart Phone	'Model: Galaxy A32 4G or Equivalent SIM: Single SIM (Nano-SIM) or Dual SIM (Nano-SIM, dual stand-by) Technology: GSM / HSPA / LTE OS: Android 11, One UI 3.0 Display Screen Size: 6.4 inches approximately Resolutions: 1080 x 2400 pixels, 20:9 ratio , Multi-touch. Networks 4G: LTE 1, 3, 5, 7, 8, 20, 28, 38, 39, 40, 41 3G: HSDPA 850 / 900 / 1900 / 2100 HSDPA 850 / 900 / 1700(AWS) / 1900 / 2100 2G: GSM 850 / 900 / 1800 / 1900 - SIM 1 & SIM 2 Memory RAM, 4GB minimum, Storage 64GB minimum Card Slot: microSDXC Camera Rear Quad: 64 MP, f/1.8, 26mm (wide), PDAF 8 MP, f/2.2, 123°, (ultrawide), 1/4.0", 1.12µm 5 MP, f/2.4, (macro)	2	

ANNEX 1 TECHNICAL SPECIFICATIONS**PN: 21.1814.9-001.00**

		5 MP, f/2.4, (depth) Front: 20 MP, f/2.2, (wide) CPU Octa-core (2x2.0 GHz Cortex-A75 & 6x1.8 GHz Cortex-A55) Battery Type: Li-Ion battery, 5000 mAh, C6, fast charging 15W Bluetooth 5.0, A2DP, LE Wi-Fi Wi-Fi 802.11 a/b/g/n/ac, dual-band, Wi-Fi Direct, hotspot Color : Black		
--	--	--	--	--

A. WARRANTY & DOCUMENTS:

- Warranty of product in 2 years.

B. GENERAL REMARKS AND SPECIAL CONDITION

- All standard accessories for all offered items should be provided.
- A Technician must be delegated from supplier to install and recheck after maintenance time.
- Supplier must specify delivery time in bid form.
- Catalogues/picture with details and specifications must be provide with the tender submission by bidder for the needed items and GIZ will physically check and approve.
- All physical characteristics in the technical specification description are approximate not exact with minimum requirements.
- Supplying, loading, unloading, and installation transportation is included.
- The company must have the established team for the products in Iraq in case of any future maintenance demands or in case of malfunctions in the product (Kindly provide us with an evidence).
- Reference picture are only to recognize and understand the items, not an indication for any model or brand.
- There might be a physical check of items by GIZ technical staff.