

**List of IT Equipments (Second Posting)- IB 2020-20**

Item No.	SPECIFICATION		QTY	UNIT	Unit Cost	Total Cost
1	<b>One (1) lotSupply and Delivery of various Cameras</b>					<b>195,000.00</b>
1.1	DSLR Camera	<p><b>Digital Camera with 64GB SD Card, batteries and case/Bag</b></p> <p>DLSR ;Sensor: 24.2mm Auto Focus (22.3 x 14.9mm)</p> <p>Lens: 18-55 mm</p> <p>Focal length conversion on lens: 1.6x</p> <p>Memory: 1x SD/SDHC/SDXC; UHS-I compatible</p> <p>Viewfinder: Optical pentamirror, 95% coverage</p> <p>Max video resolution: Full HD 1920 x 1080 60p</p> <p>ISO range: 100-25,600 (51,200 expanded)</p> <p>Autofocus: 45, all cross-type</p> <p>Max burst rate: 6fps</p> <p>Screen: Vari-angle 3-inch touchscreen, 1,040k dots</p> <p>Shutter speeds: 30-1/4,000 sec, Bulb</p> <p>Power supply: Li-ion battery (supplied), 600 shots</p>	2	UNIT	30,000.00	60,000.00
1.2	DSLR Camera	<p>DSLR Camera with lens 18-140mm; 24.2 MP DX-format CMOS sensor with no optical low-pass filter ;39-point Autofocus (AF) system;5 frames per second continuous shooting's 100 to 25,600;High resolution, vari-angle LCD with familiar, smartphone-like touchscreen for easy use;1080/60p HD video capabilities allow for capture of fast-moving subjects or creating slow motion effects; Built-in Wi-Fi and smartphone compatibility for instant sharing; With Bag and 32GB SD CARD</p>	1	unit	35,000.00	35,000.00
1.3	Drone Camera	<p>RCx 1 Battery x 3- Noise Propellers ( pair)x 3 Battery Charger ( without AC Cable x1) Power Adaptor AC Cable x1 Communication Cable USB 3.0 Type Cx 1, Type -C to Micro USB Adaptor x1, RC Cable-Lighting Connector x1, RC Cable-USB, Type C Connectorx1,RC Cable - USB,RC Cable- standard Micro USB Connectorx1, Zoom Gimbal Protectorx 1RC Cable Slider ( Large)x 1RC Cable Sider ( smallx 2 Spare Control Sticks ( pair) x 1)</p> <p>Sensor</p> <p>1" CMOS</p> <p>Effective Pixels: 20 million</p> <p>FOV: about 77°</p> <p>Lens</p> <p>35 mm Format Equivalent: 28 mm</p> <p>Aperture: f/2.8–f/11</p> <p>Shooting Range: 1 m to ∞</p> <p>Video:</p> <p>100-6400</p> <p>ISO Range</p> <p>Photo:</p> <p>100-3200 (auto)</p> <p>100-12800 (manual)</p> <p>Shutter Speed</p> <p>Electronic Shutter: 8–1/8000s</p> <p>Still Image Size</p> <p>5472×3648</p> <p>Single shot</p> <p>Burst shooting: 3/5 frames</p> <p>Still Photography Modes</p> <p>Auto Exposure Bracketing (AEB): 3/5 bracketed frames at 0.7 EV Bias</p> <p>Interval (JPEG: 2/3/5/7/10/15/20/30/60s RAW:5/7/10/15/20/30/60s)</p> <p>Video Resolution</p> <p>4K: 3840×2160 24/25/30p</p> <p>2.7K: 2688×1512 24/25/30/48/50/60p</p> <p>FHD: 1920×1080 24/25/30/48/50/60/120p</p> <p>Max Video Bitrate</p> <p>100Mbps</p> <p>Color Mode</p> <p>Dlog-M (10bit), support HDR video (HLG 10bit)</p> <p>Supported File System</p> <p>FAT32 (≤ 32 GB)</p> <p>exFAT (&gt; 32 GB)</p> <p>Photo Format</p> <p>JPEG / DNG (RAW)</p> <p>Video Format</p> <p>MP4 / MOV (MPEG-4 AVC/H.264, HEVC/H.265)</p> <p>Aircraft</p> <p>Takeoff Weight</p> <p>: 907 g</p> <p>Folded:</p>	1	unit	100,000.00	100,000.00

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	<p>Dimensions</p> <p>214×91×84 mm (length×width×height)</p> <p>Unfolded:</p> <p>322×242×84 mm (length×width×height)</p> <p>Diagonal Distance</p> <p>354 mm</p> <p>Max Ascent Speed</p> <p>5 m/s (S-mode)</p> <p>4 m/s (P-mode)</p> <p>Max Descent Speed</p> <p>3 m/s (S-mode)</p> <p>3 m/s (P-mode)</p> <p>Max Speed (near sea level, no wind)</p> <p>72 kph (S-mode)</p> <p>Maximum Takeoff Altitude</p> <p>6000 m</p> <p>Max Flight Time (no wind)</p> <p>31 minutes (at a consistent 25 kph)</p> <p>Max Hovering Time (no wind)</p> <p>29 minutes</p> <p>Max Flight Distance (no wind)</p> <p>18 km (at a consistent 50 kph)</p> <p>Max Wind Speed Resistance</p> <p>29–38 kph</p> <p>Max Tilt Angle</p> <p>35° (S-mode, with remote controller) 25° (P-mode)</p> <p>Max Angular Velocity</p> <p>200°/s</p> <p>Operating Temperature Range</p> <p>-10°C to 40°C</p> <p>Operating Frequency</p> <p>2.400 - 2.483 GHz</p> <p>5.725 - 5.850 GHz</p> <p>2.400 - 2.483 GHz</p> <p>FCC : ≤26 dBm</p> <p>CE : ≤20 dBm</p> <p>SRRC : ≤20 dBm</p> <p>Transmission Power (EIRP)</p> <p>MIC : ≤20 dBm</p> <p>5.725-5.850 GHz</p> <p>FCC : ≤26 dBm</p> <p>CE : ≤14 dBm</p> <p>SRRC : ≤26 dBm</p> <p>GNSS</p> <p>GPS+GLONASS</p> <p>Vertical:</p> <p>± 0.1 m (when vision positioning is active)</p> <p>Hovering Accuracy Range</p> <p>± 0.5 m (with GPS positioning)</p> <p>Horizontal:</p> <p>± 0.3 m (when vision positioning is active)</p> <p>± 1.5 m (with GPS positioning)</p> <p>Internal Storage</p> <p>8 GB</p> <p>Sensing System</p> <p>Sensing System</p> <p>Omnidirectional Obstacle Sensing<sup>1</sup></p> <p>Precision Measurement Range: 0.5 - 20 m</p> <p>Forward</p> <p>Detectable Range: 20 - 40 m</p> <p>Effective Sensing Speed: ≤ 14m/s</p> <p>FOV: Horizontal: 40°, Vertical: 70°</p> <p>Precision Measurement Range: 0.5 - 16 m</p> <p>Backward</p> <p>Detectable Range: 16 - 32 m</p> <p>Effective Sensing Speed: ≤ 12m/s</p> <p>FOV: Horizontal: 60°, Vertical: 77°</p> <p>Upward</p> <p>Precision Measurement Range: 0.1 - 8 m</p> <p>Downward</p> <p>Precision Measurement Range: 0.5 - 11 m</p> <p>Detectable Range: 11 - 22 m</p> <p>Precision Measurement Range: 0.5 - 10 m</p> <p>Sides</p> <p>Effective Sensing Speed: ≤ 8m/s</p> <p>FOV: Horizontal: 80°, Vertical: 65°</p> <p>Forward, Backward and Sides:</p> <p>Surface with clear pattern and adequate lighting (lux &gt; 15)</p> <p>Upward:</p> <p>Operating Environment</p> <p>Detects diffuse reflective surfaces (&gt;20%) (walls, trees, people, etc.)</p> <p>Downward:</p> <p>Surface with clear pattern and adequate lighting (lux &gt; 15)</p>				

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	<p>Detects diffuse reflective surfaces (&gt;20%) (walls, trees, people, etc.)</p> <p>Charger</p> <p>Input 100-240 V, 50/60 Hz, 1.8A</p> <p>Output Main: 17.6 V = 3.41 A or 17.0 V = 3.53 A USB: 5 V=2 A</p> <p>Voltage 17.6 ± 0.1 V</p> <p>Rated Power 60 W</p> <p>APP</p> <p>Video Transmission System OcuSync 2.0</p> <p>Name DJI GO 4</p> <p>Remote Controller: 720p@30fps / 1080p@30fps</p> <p>Live View Quality DJI Goggles: 720p@30fps / 1080p@30fps DJI Goggles RE: 720p@30fps / 1080p@30fps</p> <p>Latency (depending on environmental conditions and mobile device) 120 - 130 ms</p> <p>Max Live View Bitrate 40Mbps</p> <p>Gimbal</p> <p>Mechanical Range Tilt: -135–45° Pan: -100–100°</p> <p>Controllable Range Tilt: -90–30° Pan: -75–75°</p> <p>Stabilization 3-axis (tilt, roll, pan)</p> <p>Max Control Speed (tilt) 120° /s</p> <p>Angular Vibration Range ±0.01°</p> <p>Remote Controller</p> <p>Operating Frequency 2.400 - 2.483 GHz; 5.725 - 5.850 GHz</p> <p>2.400 - 2.483 GHz; 5.725 - 5.850 GHz</p> <p>Max Transmission Distance (unobstructed, free of interference) FCC: 10000 m CE: 6000 m SRRC: 6000 m MIC: 6000 m</p> <p>Operating Temperature Range 0°C - 40°C</p> <p>2.400 - 2.483 GHz FCC: ≤26 dBm CE: ≤20 dBm SRRC: ≤20 dBm MIC: ≤20 dBm</p> <p>Transmission Power (EIRP) 5.725-5.850 GHz FCC: ≤26 dBm CE: ≤14 dBm SRRC: ≤26 dBm</p> <p>Battery 3950 mAh</p> <p>Operating Current/Voltage 1800 mA = 3.83 V</p> <p>Supported Mobile Device Size Max length: 160 mm; max thickness: 6.5–8.5 mm</p> <p>Supported USB Port Types Lightning, Micro USB (Type-B), USB-C</p> <p>Intelligent Flight Battery</p> <p>Capacity 3850 mAh</p> <p>Voltage 15.4 V</p> <p>Max Charging Voltage 17.6 V</p> <p>Battery Type LiPo 4S</p> <p>Energy 59.29 Wh</p> <p>Net Weight 297 g</p> <p>Charging Temperature Range 5°C to 40°C</p> <p>Max Charging Power 80 W</p>				

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	Supported SD Cards	Micro SD™				
	Supported SD Cards	Supports a microSD with capacity of up to 128 GB. A UHS-I Speed Grade 3 rating microSD card is required. 32G Sandisk V30 Sandisk Extreme V30 Pro 64G				
	Recommended microSD Cards	Sandisk Extreme Pro V30 128G Sandisk Extreme V30 Sandisk Extreme Pro V30 Kingston Canvas Go! Kingston Canvas React				
	*Drone Case should be included.					
<b>2. One (1) lot Supply and Delivery of Laptops</b>						<b>299,300.00</b>
2.1	Laptop Computer	<b>Condition:</b> Brand New  <b>Processor Specs:</b> atleast 4 Cores and atleast 4 Threads and must be atleast 2 generations lower than the latest generation.  <b>HDD Specs:</b> atleast 1 TB <b>Memory Specs:</b> atleast 4GB <b>Screen:</b> Minimum of 14 inches and atleast FHD <b>I/O with atleast the ff:</b> USB port/s, USB Type-C, Card Reader, HDMI  <b>Accessories:</b> Laptop Bag, USB mouse, mouse pad, USB to ethernet adapter (if there is no RJ45 port), external DVD R (if there is NO DVD R)  <b>SOFTWARE REQUIREMENTS</b> <b>Operating System:</b> Must be able to run the current BSU enrollment system, Licensed, latest OS in the market  <b>Office Suite:</b> Not counterfeit, has atleast a presentation, word processor, and spreadsheet software, has capability to run on the latest smartphones and tablets.	1	unit	36,000.00	36,000.00
2.2	Laptop Computer	<b>HARDWARE SPECIFICATIONS</b> <b>Condition:</b> Brand New  <b>Processor Specs:</b> atleast 4 Cores and atleast 8 Threads and must be atleast 2 generations lower than the latest generation. <b>HDD Specs:</b> atleast 2TB <b>Memory Specs:</b> atleast 4GB <b>Screen:</b> Minimum of 14 inches and atleast FHD <b>I/O with atleast the ff:</b> USB port/s, USB Type-C, Card Reader, HDMI  <b>Accessories:</b> Laptop Bag, USB mouse, mouse pad, headset, USB to ethernet adapter (if there is no RJ45 port), external DVD R (if there is NO DVD R)  <b>SOFTWARE REQUIREMENTS</b> <b>Operating System:</b> Must be able to run the current BSU enrollment system, Licensed, latest OS in the market  <b>Office Suite:</b> Not counterfeit, has atleast a presentation, word processor, and spreadsheet software, has capability to run on the latest smartphones and tablet  17"maximum monitor	1	unit	50,000.00	50,000.00
2.3	Laptop Computer	<b>Condition:</b> Brand New  <b>Processor Specs:</b> atleast 4 Cores and atleast 4 Threads and must be atleast 2 generations lower than the latest generation. <b>HDD Specs:</b> atleast 1 TB <b>Memory Specs:</b> atleast 4GB <b>Screen:</b> Minimum of 14 inches and atleast FHD <b>I/O with atleast the ff:</b> USB port/s, USB, Card Reader, HDMI  <b>Accessories:</b> Laptop Bag, USB mouse, mouse pad, USB to ethernet adapter (if there is no RJ45 port), external DVD R (if there is NO DVD R)  <b>SOFTWARE REQUIREMENTS</b>	2	units	30,000.00	60,000.00

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	<p><b>Operating System:</b> Must be able to run the current BSU enrollment system, Licensed, latest OS in the market</p> <p><b>Office Suite:</b> Not counterfeit, has atleast a presentation, word processor, and spreadsheet software, has capability to run on the latest smartphones and tablets.</p>				
2.4	<p>Laptop Computers with LAN Accessories</p> <p><b>Laptop Computers (2 )units with LAN Accessories</b></p> <p><b>HARDWARE SPECIFICATIONS</b></p> <p><b>Condition:</b> Brand New</p> <p><b>Processor Specs:</b> atleast 4 Cores and atleast 6 Threads and must be atleast 2 generations lower than the latest generation.</p> <p><b>HDD Specs:</b> at least 1TB</p> <p><b>Memory Specs:</b> atleast 8GB</p> <p><b>Screen:</b> Minimum of 14 inches and atleast FHD</p> <p><b>I/O with atleast the ff:</b> USB2 and USB 3, HDMI</p> <p><b>Accessories:</b> Laptop Bag, Headset, USB to RJ45 port(if LAN port is not available), external DVD R (if DVD R is not available)</p> <p><b>SOFTWARE REQUIREMENTS</b></p> <p><b>Operating System:</b> Must be able to run the current BSU enrollment system, Licensed, latest OS in the market</p> <p><b>Office Suite:</b> Not counterfeit, has atleast a presentation, word processor, and spreadsheet software, has capability to run on the latest smartphones and tablets.</p> <p><b>LAN Accessories:</b> 16port switch, 1 unit data cabinet box 6U with atleast 10 meters extension cords, 4 unit USBwireless LAN, 50 pcs RJ45, 1 crimping tool</p>	1	lot	113,300.00	113,300.00
2.5	<p>Laptop Computers with other IT accessories</p> <p>Supply and Delivery of Laptop with accessories</p> <p><b>Condition:</b> Brand New</p> <p><b>Processor Specs:</b> atleast 4 Cores and atleast 4 Threads and must be atleast 2 generations lower than the latest generation.</p> <p><b>HDD Specs:</b> at least 1 TB</p> <p><b>Memory Specs:</b> atleast 4GB</p> <p><b>Screen:</b> Minimum of 14 inches</p> <p><b>I/O with atleast the ff:</b> USB port/s, Card Reader, HDMI</p> <p><b>Accessories:</b> Laptop Bag, USB mouse, mouse pad, USB to ethernet adapter (if there is no RJ45 port), external DVD R (if there is NO DVD R)</p> <p><b>SOFTWARE REQUIREMENTS</b></p> <p><b>Operating System:</b> Must be able to run the current BSU enrollment system, Licensed, latest OS in the market</p> <p><b>Office Suite:</b> Office Suite software, has capability to run on the latest smartphones and tablets.</p>	1	lot	40,000.00	40,000.00