



3	<p>Printer, Mobile – 5 units</p> <p><i>Maximum Printing Resolution</i> 9600 horizontal X 2400 Vertical <i>Print head/INK</i> 1856 nozzles, 1pl <i>Print Speed</i> 5.8ipm Colored 9.0ipm B/W 53 secs approximate photo <i>Printable Width</i> 203.2mm bordered, 216mm borderless <i>Paper Size</i> A4, A5, B5, Letter, Legal, 4x6", 5x7", 8x10" <i>Paper handling (Rear Tray)</i> A4, A5, B5, Letter, Legal = 50 <i>Network</i> Wireless LAN</p>
4	<p>Printer, All-in-one – 16 units</p> <p><i>Printer Type:</i> Print, Scan, Copy, Fax with ADF</p> <p><i>Printing Technology</i> <i>Print Method:</i> Precision-core Printhead <i>Minimum Ink droplet volume:</i> 3.3 pl 400 nozzles Black, 128 nozzles per colour (Cyan, Magenta) <i>Nozzle configuration:</i> <i>Maximum Resolution:</i> 4800x1200 dpi <i>Automatic 2-sided printing:</i> YES (Up to A4)</p> <p><i>Print Speed</i> <i>Photo Default:</i> 10x15cm / 4x6 "</p> <p><i>Draft, A4(Black/colour):</i> Up to 33ppm/15ppm <i>ISO 24734, A4 Simplex</i> <i>(Black/colour):</i> Up to 10.5ipm/5.0ipm, duplex: 6ipm/4ipm</p> <p><i>Copy Speed</i> <i>ISO 29183, A4,</i> <i>Simplex(Black/colour)</i> Up to 11ipm/5.5ipm <i>Copy quality:</i> Normal/Best Quality A4, LetterCopy Resolution:600 x 1200 dpiMax Copies:99</p> <p><i>Maximum copy size:</i></p> <p><i>Scan Function</i> <i>Scanner Type:</i> Flatbed colour image scanner <i>Sensor Type:</i> CIS <i>Optical resolution:</i> 1200x2400 dpi <i>Maximum Scan Area:</i> 216x297mm (8.5 x 11.7") <i>Scan Speed (Flatbed):</i> Mono: 200dpi 11sec, Colour: 200dpi 28sec</p> <p><i>ADF Specifications</i> <i>Paper Capacity:</i> Support Paper Thickness: 64-95 g/m2 30 pages (75 g/m2)</p>

<p>5</p>	<p>Lapel – 1 unit</p> <p><i>Device Parameters</i></p> <p>Modulation Mode: Digital Frequency Modulate</p> <p>Frequency Range: UHF 500-980MHz</p> <p>Preset Frequencies: 75Hz-18kHz+3dB</p> <p>Max Deviation Range: +-50kHz(with Level limiting)</p> <p>TH.D.: <1.0%@1kHz</p> <p>S/N: >98dB</p> <p>Working Range: Up to 300Feet</p> <p>RF Carrier Stability: +-0.005%(-10C-50C)</p> <p><i>Transmitter Specification:</i></p> <p>Carrier Frequency Power: 30mw</p> <p>Power Consumption: Up to 10Hrs</p> <p>Battery Capacity: 450mAh</p> 
<p>6</p>	<p>Scanner, ADF – 1 unit</p> <p>Scanner Type: Flatbed Scanner, Sheetfed Scanner</p> <p>Optical Resolution: 1,200 DPI x 1,200 DPI (HxV)</p> <p>ADF Minimum Document Size: 100mm x 148mm (HxV)</p> <p>ADF Maximum Document Size: 216mm x 1,016mm (HxV)</p> <p>Paper Formats: A4, A5, Letter, Legal, A8, Postcard, Business Card</p> <p>Scanning Color Depth: Input: 48bits Color/ 16bits Mono Output: 24bits Color / 8bits Mono</p> <p>Ultrasonic Sensor: YES</p> <p>Scanning Speed: Mono: 40pages/min Color: 40pages/min Resolution: 200/300dpi Mono: 80 img/min Color: 80 img/min Resolution: 200/300dpi</p> <p>Paper Setting Capacity: 100 Sheets</p> <p>Paper Weight: 50-128 g/m2</p> <p>ADF Feed: 100 pages</p> <p>Panel Type: 5-line LCD with Push Scan features</p>
<p>7</p>	<p>Scanner, ADF Mini -1 unit</p> <p>Scanner Type: A4 sheet-fed, one-pass duplex colour scanner ADF Mono (Simplex/Duplex) 200dpi:35 ppm/70 ipm</p> <p>Scan Speed: 300 dpi: 35ppm / 70ipm 600 dpi: 8ppm / 16ipm ADF Colour (Simplex/Duplex) 200dpi:35 ppm/70ipm 300 dpi: 35ppm / 70ipm</p> <p>ADF Specification:</p> <p>Scanner Type: A4 Sheet-fed, one-pass duplex colour scanner</p> <p>Resolution: 600 x 600 dpi</p> <p>Output Resolution: 50dpi - 1200dpi</p> <p>Min Document Size: 50.8 x 50.8</p> <p>Max Document Size: 215.9 x 6096mm</p> <p>ADF Capacity: 50sheets</p> <p>Auto Duplex Scanning YES</p>

<p>8</p>	<p>Scanner, High speed – 1 unit</p> <p><i>Scanner Type:</i> A3 Flatbed Colour image scanner</p> <p><i>Optical Resolution:</i> 600x600DPI</p> <p><i>Output Resolution:</i> 50dpi-4800dpi, 7200dpi and 9600dpi</p> <p><i>Scanner Bit Depth (Colour):</i> 48-bit input, 24-bit output</p> <p><i>Scanner Bit Depth (Grayscale):</i> 16-bit input, 1-bit output</p> <p><i>Max Document Size:</i> 297 x 420mm</p> <p><i>Scan Speed:</i></p> <p><i>Flatbed(Black/Colour):</i> 300dpi: 4.0sec/4.0sec 600dpi: 10sec/10sec ADF Mono (Simplex/Duplex) 200dpi:80ppm/140ipm 300dpi:70ppm/140ipm 600dpi:25ppm/50ipm ADF Colour(Simplex/Duplex) 200dpi:70ppm/140ipm 600dpi:12ppm/24ipm</p> <p><u>ADF Specification</u></p> <p><i>Scanner Type:</i> A3 sheet-fed, one-pass duplex scanner</p> <p><i>Resolution:</i> 600x600dpi</p> <p><i>Output Resolution:</i> 50dpi-1200dpi</p> <p><i>Min Document Size:</i> 68x120mm</p> <p><i>Max Document Size:</i> 297x2540mm</p> <p><i>ADF Capacity:</i> 200sheets</p> <p><i>Auto Duplex Scanning:</i> YES</p>
<p>9</p>	<p>Drone – 5 units</p> <p><i>Sensor:</i> 1/2.3" CMOS Effective Pixels: 12million</p> <p><i>Lens:</i> FOV: about 83; about 48 35mm Format Equivalent: 24-48mm Aperture: f/2.8 (24mm) - f/3.8 (48mm) Shooting Range: 0.5m to infi</p> <p><i>ISO Range:</i> Video: 100-3200 Photo: 100-1600 (Auto) 100-3200(Manual)</p> <p><i>Shutter Speed:</i> Electronic Shutter: 8-1/8000s</p> <p><i>Still Image Size:</i> 4000x3000</p> <p><i>Still Photography Mode</i> Single Shot Burst Shooting: 3/5/7 frames</p> <p><i>Video Resolution:</i> 4K: 3840x2160 24/25/30p 2.7K: 2688x1512 24/25/30/48/50/60p FHD: 1920x1080 24/25/30/48/50/60/120p</p> <p><i>Max Video Bitrate:</i> 100Mbps</p> <p><i>Color Mode:</i> D-Cinelike</p> <p><i>Supported File System:</i> FAT32, exFAT</p> <p><i>Photo Format:</i> JPEG/DNG (RAW) MP4/MOV (MPEG-4 AVC/H.264, HEVC/H.265)</p> <p><i>Video Format:</i></p> <p><i>Gimbal</i></p> <p><i>Mechanical Range:</i> Tilt: -135-45deg Pan: -100-100deg</p> <p><i>Controllable Range:</i> Tilt: -90-30deg Pan: -75-75deg</p> <p><i>Stabilization:</i> 3-axis (tilt, roll, pan)</p>

	<p>Remote controller</p> <p>Operating Frequency: 2.400-2.483 GHz; 5.275 - 5.850 GHz</p> <p>Max Transmission Distance (unobstructed, free of interference) 2.400-2.483 GHz; 5.275 - 5.850 GHz</p> <p>FCC: 10000m CE: 6000m SRRC: 6000m MIC: 6000m</p> <p>Battery: 3950 mAh</p> <p>Intelligent Flight Battery</p> <p>Capacity: 3850mAh</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>
10	<p>Smart TV, 85" – 1 unit</p> <p>86" 4K IPS Panel Metal Frame Arc Stand Design</p> <p>a7 Gen3 Intelligent Processor with deep learning AI Picture, AI Sound, AI Brightness AI Home Dashboard WebOS 5.0 Active HDR Dolby Vision IQ/Dolby Atmos Magic Remote recognition USB (Movie, Photo, Music) Smart Energy Saving Picture Mode, Sound Mode Noise Reduction Aspect Ratio Multi-view Mobile Overlay connection HDR Dynamic Tone Mapping Bluetooth, HDMI, LAN Port, Wireless</p>
11	<p>Smart TV, 55" – 2 units</p> <p>55" 4K IPS Panel Cinema Screen Quad Core, AI Home Dashboard WebOS 5.0 4K Active HD HDR Dynamic Tone Mapping Magic Remote recognition USB (Movie, Photo, Music) Smart Energy Saving Picture Mode, Sound Mode Noise Reduction Aspect Ratio Mobile Overlay connection DTS Virtual X Bluetooth, HDMI, LAN Port, Wireless</p>

<p>12</p>	<p>Interactive Whiteboard – 1 unit</p> <p><i>INTERFACE</i></p> <p><i>HDMI Out</i> 2, Max. 4K@30Hz <i>VGA In</i> 1, Max. 4K@60Hz <i>Audio In</i> 1, Max. 1080P@60Hz <i>Audio Out</i> 2 <i>USB Interface</i> 2 <i>RJ45 (101Mbps Ports)</i> 2</p> <p><i>GENERAL</i> <i>Built-in System:</i></p> <div style="text-align: center;">  </div> <p>Operation System Android 5.0</p> <p><i>SCREEN</i></p> <p><i>Display Technology:</i> 65" <i>Backlight:</i> LED Backlight <i>Resolution:</i> 3840x2160 @60 Hz <i>Display Scale:</i> 16:9 <i>Pixel Pitch:</i> 0.496(H) x 0.372(V) mm <i>Color:</i> 10bit <i>Brightness:</i> 400 cd/m2 <i>Contrast:</i> 1200:1 <i>Response Time:</i> 6ms <i>Viewing Angle:</i> Horizontal 178deg, vertical 178deg</p>
<p>13</p>	<p>PUBLIC ADDRESS SYSTEM – 1 lot</p> <p>Labor, Installation and provision of Speakers, Microphones(Control) and other necessary/required items to accomplish the project including wiring thereat</p> <p>Speaker Installation at the new building(4 floors) of EMB-CAR including the laboratory building, ORD Building Old building, parking and guard house</p> <p>Microphones to be situated/installed at the Office of the Regional Director, Guard house and MIS Room</p> <p>Site survey shall be allowed before submission of bids to determine the necessary requirements needed for the project</p>

INTERACTIVE KIOSK – 2 units

Size:	55"
Decoders:	Full HD Decoding Board
System:	Windows
CPU:	i7/4GB DDR3
Touch Function:	IR Touch/Capacitive touch
Touch Point:	4point IR Touch / 10point Capacitive
Max Resolution:	1920x1080 / 3840 x 2160 4K
Color:	16.7M
Brightness:	350 cd/m2
Contrast Ration:	1400:1
Support Video Encoding formats:	MPEG1,MPEG2,AVI (3.11), XVID, H264
Support Image Format:	BMP, JPEG, PNG, GIF
Play mode:	Loop, insertion, timing, Scheduled times play mode
RJ-45 Interface:	YES, 10m/100m x1
USB2.0:	Yes, 4 ports



Front




Side

INTERACTIVE KIOSK - 1 unit

Size:	49"
Decoders:	Full HD Decoding Board
System:	Windows
CPU:	i7/4GB DDR3
Touch Function:	IR Touch
Touch Point:	4point IR Touch
Max Resolution:	1920x1080
Color:	16.7M
Contrast Ration:	1400:1
Storage Capacity:	120G SSD
Installation:	Floor Standing
Support Video Encoding formats:	MPEG1,MPEG2,AVI (3.11), XVID, H264
Support Image Format:	BMP, JPEG, PNG, GIF
Play mode:	Loop, insertion, timing, Scheduled times play m
RJ-45 Interface:	YES, 10m/100m x1
USB2.0:	Yes, 4 ports
Speaker Power:	10W



<p>15</p>	<p>SECURITY DOOR LOCKS – 3 units</p> <p><i>Material:</i> Stainless Steel <i>Power Source:</i> 4x AA Batteries <i>Card Type:</i> M1 Card <i>Door Thickness:</i> 40-120mm <i>Unlock Method:</i> M1 card, Fingerprint, Password, Key <i>Low-voltage alarm Function:</i> Yes <i>User Capacity:</i> 100 passwords, 150fingerprints, IC Card users 1</p> <div style="text-align: center;">  </div>
<p>16</p>	<p>External Drives – 23 units</p> <p><i>Capacity</i> 2TB <i>Product Interfaces</i> USB 3.0 <i>Portable</i> YES</p>
<p>17</p>	<p>CELLPHONE, FOR GEOTAGGING – 20 units</p> <p><i>Display:</i> 6.59 Inches <i>Colour:</i> 16.7 million colours <i>Type:</i> TFT LCD <i>Resolution:</i> FHD+ 2340 x 1080 <i>Processor:</i> Octacore Processor 4x Cortex-A73 Based 2.2 GHz 4x Cortex-A53 Based 1.7GHz</p> <p><i>Memory:</i> 6GB +128GB ROM <i>External Memory Support:</i> Micro SD up to 512GB <i>Camera:</i> Rear 48MP + 8MP + 2MP + Autofocus Front 16MP Pop-up Camera</p> <p><i>Battery:</i> 4000 mAh Typical Value <i>Charging:</i> 5V 2A <i>USB:</i> Type C USB2.0 <i>Location:</i> GPS, AGPS, Glonass, BeiDou</p>
<p>18</p>	<p>KEYBOARD/MOUSE BUNDLE – 43 u</p> <p><i>Type:</i> <i>Wired</i></p>
<p>19</p>	<p>USB DOCKS – 15 units</p>
<p>20</p>	<p>Flash Drives, 64GB USB 3.0 – 36 units</p>
<p>21</p>	<p>SD Card, 32GB – 1 unit</p>

<p>22</p>	<p>Voice Recorder (Specs attached) - 6 units</p> <p>GENERAL FEATURES</p> <p><i>Battery Type:</i> Built-in Lithium Battery <i>Built-in memory:</i> 4GB <i>Built-in Microphone:</i> Stereo (S-Mic) <i>Recording Format:</i> Linear PCM/MP# <i>USB Connection charging:</i> Yes</p> <p>RECORDING</p> <p><i>Scene Select:</i> Yes <i>Sync Recording Function:</i> Yes <i>Recording Monitor:</i> Yes</p> <p>PLAYBACK AND EDIT</p> <p><i>A-B Repeat:</i> Yes <i>Divide:</i> Yes <i>Easy Search:</i> Yes <i>Carrying Case/Puch:</i> Yes</p>
<p>23</p>	<p>MOBILE SIGNAL BOOSTER – 3 units</p> <p><i>Frequency Range Uplink:</i> 890~915/1710~1785/1920~1980MHz <i>Frequency Range Downlink:</i> 935~960/1805~1880/2110~2170MHz <i>Gain</i> 70dB</p> <p><i>Output Power:</i> 23dBm <i>Power Adopter:</i> Yes <i>Power Supply:</i> AC 110~220V; DC 12V 2A <i>Connector Type:</i> N Female <i>Coverage:</i> Up to 500sqm without barrier <i>Improve Network Type:</i> 2G, 3G, 4G, Mobile GSM carriers</p> <div data-bbox="634 1398 1070 1689" data-label="Image"> </div>
<p>24</p>	<p>LASER POINTER – 7 units Type: USB Plug and Play</p>