

# SCHEDULE OF REQUIREMENT

## Provide, Supply, Fixing & Commissioning of IP Surveillance System and Walk Through Gates at IBA Main Campus

S. #	Description	Qty	Location
1	<p><b>Walk Through Gates</b> (Double sided / multi zone) Brand : CEIA or Equivalent Specification:</p> <ul style="list-style-type: none"> <li>• General Characteristics High performance up to 8 detecting Zones, Color LCD Walkthrough Metal Detector Gate</li> <li>• Display Zone Through LED's, Multi zone display bar for person height</li> <li>• LED Indications Green and red color indications</li> <li>• Audio Generate audio able, tone and volume of generated signal can be changed</li> <li>• Throughput Rate Minimum 15 persons per minute</li> <li>• Detection High speed detection up to 15m/sec</li> <li>• Power Source 115/230V AC, 50Hz</li> <li>• Communication Interfaces RS232, TCP/IP</li> <li>• Alarms Visible alarm signalling</li> <li>• Control Unit Microprocessor based programmable LCD Keypad</li> <li>• Operating Temperature -10 °C - +60 °C</li> <li>• Humidity 0-90%</li> <li>• Battery Dry charge built in Industry</li> <li>• Certifications ISO9001</li> <li>• Industry Standards CE, FCC, EMC</li> <li>• Protection Level IP65</li> </ul>	3 units	01 unit JS Auditorium: 01 unit Gate 4 at Main Campus: 01 unit Aman Tower

2	<p><b>IP Cameras 1.3 Mega Pixel</b>  Brand: HIK Vision or Equivalent  Specification:</p> <ul style="list-style-type: none"> <li>• IR Bullet WDR 1.3MP Outdoor Smart IPC</li> <li>• 120dB WDR,</li> <li>• HD720p,</li> <li>• 3D DNR,</li> <li>• Smart IR, 30m IR,</li> <li>• Smart Codec: ROI, SVC</li> <li>• 1/3" Progressive Scan CMOS,</li> <li>• ICR, 0.014Lux/F1.4,</li> <li>• 0 lux with IR, Slow shutter,</li> <li>• 1280x960: 25/30fps,</li> <li>• 2.8~12mm/F1.4 VF lens,</li> <li>• H.264/MJPEG/MPEG4,</li> <li>• Triple-Stream,</li> <li>• Support SD/SDXC Card up to 64GB,</li> <li>• UP to 30m IR,</li> <li>• IP66, DC12V/PoE,</li> <li>• 8~20mm VF lens optional,</li> <li>• Defog,</li> <li>• Smart Focus,</li> <li>• EIS,</li> <li>• ONVIF,</li> <li>• PSIA,</li> <li>• CGI</li> <li>• 32 kbps ~ 16 mbps,</li>   <li>• 64Kbps (G.711) / 16Kbps (G.72)</li> </ul>	10 units	Aman Tower Basement, Ground & First Floor at different points
3	<p><b>32 Channel NVR</b>  Brand: HIK Vision or Equivalent  Specification:</p> <ul style="list-style-type: none"> <li>• Video/Audio Input</li> <li>• IP Video Input: 32-ch</li> <li>• Two-way Audio: 1-ch BNC(2.0Vp-p, 1kΩ)</li> <li>• Video/Audio Output</li> <li>• VGA Output: 1-ch, resolution:</li> <li>• 1920×1080P/60Hz,1600×1200/60Hz,1280×1024/60 Hz,</li> <li>• 1280×720/60Hz, 1024×768/60Hz</li> <li>• CVBS Output: 1-ch, BNC (1.0 Vp-p, 75 Ω)</li> <li>• Resolution: 704 × 576 (PAL); 704 × 480 (NTSC)</li> </ul>	1 unit	Aman Tower

	<ul style="list-style-type: none"> <li>• HDMI Output: 1-ch, resolution:</li> <li>• 1920 × 1080P /60Hz, 1920 × 1080P /50Hz, 1600 × 1200 /60Hz, 1280 × 1024 /60Hz, 1280 × 720 /60Hz, 1024 × 768 /60Hz</li> <li>• Recording resolution: 5MP / 3MP / 1080P / UXGA / 720P / VGA / 4CIF / DCIF / 2CIF / CIF / QCIF</li> <li>• Audio Output: 2-ch BNC(Linear electrical level, 600Ω)</li> <li>• Playback Resolution: 5MP /3MP / 1080P / UXGA / 720P / 4CIF / VGA / DCIF / 2CIF / CIF / QCIF</li> <li>• Synchronous Playback: 16-ch</li> <li>• Hard Disk Driver</li> <li>• Interface Type: 4 SATA interfaces for 2 HDDs + 1 DVD-R/W (default), or 4HDDs Capacity: Up to 4TB capacity for each disk</li> <li>• e-SATA Interface: 1 eSATA interface</li> <li>• External Interface</li> <li>• Network Interface: 1 RJ45 10M/100M/1000M adaptive Ethernet Interface,</li> <li>• 16 independent 100Mbps PoE Ethernet interfaces</li> <li>• USB Interface: 3 USB2.0 interfaces</li> <li>• Serial Interface: 1 RJ45 RS-232 interface; 1 RS-485 interface; 1 RS-485 keyboard interface</li> <li>• Alarm Input: 16-ch</li> <li>• Alarm Output: 4-ch</li> <li>• General Power Supply: 100~240VAC, 50~60Hz</li> <li>• Consumption: ≤ 45 W (without hard disk or DVD-R/W)</li> <li>• Working Temperature: -10 °C ~ +55 °C</li> <li>• Working Humidity: 10%~90%</li> <li>• Chassis: 19-ich rack-mounted 1.5U chassis</li> <li>• Dimensions: 440 × 390 × 70 mm(W x D x H)</li> <li>• Weight: ≤ 8 Kg ( without hard disk or DVD-R/W )</li> </ul>		
4	<p><b>Hard disk 8TB (RAID)</b>  Brand: SATA or Equivalent</p> <ul style="list-style-type: none"> <li>• SATA 12 TB RAID</li> <li>• RPM 5600 or above</li> </ul>	1 unit	Aman Tower

5	<p><b>LED – 40 inch</b>  Brand: Samsung or Equivalent  Specification:</p> <ul style="list-style-type: none"> <li>• Screen Size 40 inch</li> <li>• Screen type LED</li> <li>• Screen Resolution 1920*1080 or higher</li> <li>• PC Audio In 1</li> <li>• Audio Out 1</li> <li>• Speaker 2 or more</li> <li>• Motion Rate 100 hz or better</li> <li>• HDMI Ports 2</li> <li>• USB Ports 1</li> <li>• RF Cable yes</li> <li>• Power Cable yes</li> <li>• Power Supply 220 V</li> <li>• Industry Standards CE, CCC, FCC</li> </ul> <p>Remote control</p> <p>Warranty</p> <p>Complete with wall bracket &amp; Stand</p>	1 unit	Aman Tower
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