

ANNEX "A"
TECHNICAL SPECIFICATIONS

Instruction: Bidders must state here either "Comply" or "Not Comply" against each of the individual parameters of each Specification stating the corresponding performance parameter of the equipment offered. Statements of "Comply" or "Not Comply" must be supported by evidence in a Bidders Bid and cross-referenced to that evidence. Evidence shall be in the form of manufacturer's un-amended sales literature, unconditional statements of specifications and compliance issued by the manufacturer, samples, independent test data etc., as appropriate. A statement that is not supported by evidence or is subsequently found to be contradicted by the evidence presented will render the Bid under evaluation liable for prosecution subject to the provisions of ITB Clause 3.1(a)(ii) and/or GCC Clause 2.1(a)(ii)

Note:

1. Bidders are required to submit a datasheet of the goods/products to be supplied such as brochures, manuals, or other documentary references.
2. For easy referencing by the BAC, bidders are advised to indicate the section and page number of the supporting documents in the Statement of Compliance column.

1. IP Camera		
Item No.	Description	Details
1.1	Camera	Must be a network PTZ (Pan-Tilt-Zoom) camera
		Must have at least 1.5f Aperture
		Shall have automatic and manual white balance control
		Shall have zoom (wide and tele) capabilities
		Must have at least wide angle FOV (Field of View)
		At least SMART IR capabilities for low light visibility
1.2	Video	Capable of HD or FHD resolution
		at least h.265 / h.264 / MPEG4 video codecs
		Must have noise reduction
		Must have Date and Time, Alarm caption
1.3	Audio	Must have audio compression compatible for playback
1.4	Network	Shall have network protocols TCP/IP, UDP, HTTP, DHCP, DNS/DDNS
1.5	Protection	Must have at least IP66
		Must have alarm input and alarm output
1.6	Operating Condition	Must have built-in lightning protection, surge protection and voltage transient protection
1.7	Regulatory	Must be at least CE, FCC and RoHS listed

2. Network Video Recorder		
Item No.	Description	Details
2.1	Video/Audio Input	Must be capable of up to 18 channels
		Must have resolutions of UHD, FHD, HD, 1080p, 720p, XGA, SVGA
		Shall have H.264 compression format
2.2	Viewing	Shall have 1x HDMI and 1x VGA
		Must have at least multi screen display for client
		Shall have at least simultaneous screen capabilities
2.3	Recording	Must have manual mode, continuous mode, schedule mode or event mode (pre/post)
		Must be capable of tagging
2.4	Playback & Search	Must have Date & Time (Calendar) search mode
		Must have capabilities of slow forward, fast forward, loop, single frame, PTZ playback
2.5	Storage	Must have at least 2TB Hard Disk capable storage
		Must have at least capability for external storage devices
2.6	Alarm	Shall have alarm input, video lost, motion detection, tampering, defocus
		Shall have system change alarms or alert
2.7	System	Shall have user login, user operation, alarm, backup and update management system
		Shall have log events
2.8	Software	Shall come with free software for PC
2.9	Smartphone Access	Shall be capable of Smartphone viewing (Android/iOS)
2.10	Network	Shall have network protocols TCP/IP, UDP, HTTP, DHCP, DNS/DDNS
		Shall support enterprise network environment
2.11	Interface	Shall have at least Gigabit network port, RJ45 interface
		Shall have USB interface
		Shall have RCA interface
2.12	Operating Condition	Shall operate up to 55 and 10%-85% relative humidity
2.13	Regulatory	Must be at least CE, FCC and RoHS listed