

## Technical Part

### Upgradation of CCTV System for Tigers Den Basement 1-2, Required

#### Item:

- NVR For Tigers Den Project:

Feature	Specification	Compliance
Channel	<b>16 channel</b>	<b>Complied</b>
Operation	HDMI, Gigabyte LAN	<b>Complied</b>
Display Resolution	1920 × 1080, 1600 × 1200, 1280 × 1024, 1280× 720, 1024 × 768	<b>Complied</b>
OSD	Camera title, time, video loss, camera lock, motion detection, recording	<b>Complied</b>
Push Video Notification	Notification through iphone, ipad,& android mobile device	<b>Complied</b>
DDNS support	Must have DDNS system	<b>Complied</b>
Dual Stream	Must Support	<b>Complied</b>
Video Format	Up to real-time 30fps / 25fps per channel	<b>Complied</b>
Video backup	Real Time: NTSC 30fps/channel <b>(minimum 30 days)</b>	<b>Complied</b>
Record Mode	Full HD 1080p (1920 x 1080)	<b>Complied</b>
Remote View	Must Support	<b>Complied</b>
Compression Algorithm	Video: H.264 / Audio: G.711A	<b>Complied</b>
Mobile View	Must Support	<b>Complied</b>
HDD	TB installed (expandable to 32TB based on removal of the supplied 3TB and replacing with 8 x 4TB HDDs))	<b>Complied</b>
Alarm Input	Minimum 16 Alarm Input	<b>Complied</b>
Alarm Output	Minimum 4 Alarm Output	<b>Complied</b>
Power	Low, Maximum 50W will be preferred	<b>Complied</b>
Back-up Method	USB	<b>Complied</b>

- **CC Camera ( Bullet/ Dome) for Tigres Den project : (existing**

**08 camera will be installed at upper Basement & new 16**

**Channel Camera will be installed at Base 02.**

Feature	Specification	Compliance
Type/ IR Led	IR	Complied
Image Sensor	Upto 2.0MP	Complied
Resolution	Minim 1920x1080	Complied
Actual Pixels	PAL: mini 1280(H)×720(V)	Complied
Minimum Illumination	F1.4, 0.12 lux (IR on – 0 lux)	Complied
IR Distance	40 meter will be preferred	Complied
Security	User ID & Password protection, IP address filtering, HTTPS, digest authentication, user access log	Complied
Durability	Weatherproof	Complied
Ingress Protection (IP)	IP 65 will be preferred	Complied
Compression	H.264 (HP/MP/BP), MJPEG	Complied
Lightning	Yes	Complied
Storage	<b>Micro SD slot</b>	Complied
Alarm	FTP video file upload, email image upload, micro	Complied

- **Monitor:**

Feature	Specification	
Size	18.5" will be preferred	Complied
Type	LED	Complied
Brand	HP	Complied

- **Cable:**

Feature	Specification	Complied
Coaxial Cable	RG-58 cable and PVC conduit	Complied
Power Cable & Brand	Two core 1.5 mm cable c/w conduit, Brand: BRB preferred	Complied

## Annexure – “A”

### *Specimen of*

### **Technical Specification**

#### **1. DVR:**

<b>Feature</b>	<b>Specification</b>
Channel	16 channel
Operation System	HDM,VGA,LAN
Display Resolution	Full HD
OSD	Camera title, time, video loss, camera lock, motion detection, recording, HDD status, Password
Push Video	Yes
DDNS support	Yes
Dual Stream	Yes
Video Format	Up to real-time 30fps / 25fps per channel
Video backup	Real Time: 30fps/channel <b>(30 days)</b>
Record Mode	Full HD
Remote View	Support
Compression	H.264,MPEG-4
Mobile View	Yes
HDD	16 TB Support
Alarm Input	16
Alarm Output	4
Power Consumption	45 W
Back-up Method	USB

## 2. CC Camera:

Feature	Specification	Compliance
Type/ IR Led	IR	Complied
Image Sensor	Upto 2.0MP	Complied
Resolution	Minim 1920x1080	Complied
Actual Pixels	PAL: mini 1280(H)×720(V)	Complied
Minimum Illumination	on .F1.4, 0.12 lux (IR on – 0 lux)	Complied
IR Distance	40 meter will be preferred	Complied
Security	.User ID & Password protection, IP address filtering, HTTPS, digest authentication, user access log	Complied
Durability	Weatherproof	Complied
Ingress Protection	IP 65 will be preferred	Complied

Rating	Best	Complied
Compression	H.264 (HP/MP/BP), MJPEG	Complied
Lightning	Yes	Complied
Storage	Micro SD slot	Complied
Alarm	FTP video file upload, email image upload, micro	Complied

## 3. Monitor:

Feature	Specification
Model	VTTL
Brand	HP/Dell/Samsung
Country of Origin	Korea/Malaysia
Size	22" Inch
Type	LED
Brand	HP/Dell/Samsung

## 4. Cable:

Feature	Specification
Type of Coaxial Cable	RG 56/58
Type of Power Cable & Brand	2 core x1.5 RM



## 5. General:

Feature	Specification
Emergency Response Time (Please specify for	Inside Dhaka : Two hours Outside Dhaka : 24 hours
Warranty period (Both	Eighteen Month
Product Delivery	One week
Installation Time	Three week

Assuring you very best attention and support always we remain. If you require further clarification, please feel free to contact the undersigned.



### Thanks & Best Regards

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