Request for Quotation / 報價請求

Subject:	New AOCC/EOC ELV and IT Systems		
From/由:	Mr. Kim Wong / Mr. Patrick So	E-mail/電郵	kimwong@aims.com.mo
Tel/電話:	853-8598 8717 / 88982 369	Fax/傳真:	853-8598 8711
Date/日期:	30-Dec-2020	Ref:	046-2020-Q

<div align="center">煩請按下列要求報價：</div>

Item	Description	Qty.	Unit
	New AOCC/EOC ELV and IT System		
1	**Preliminaries**		
1.1	Provision of insurance, site survey, notice board & signage, mobilization, access card & permit to work documents, safety & security precautions, demolition, making good of the area, disposal to approved dumping site, utilities diversion, hoarding, material submission, test reports, calculations, drawings, engineer endorsement (registered at DSSOPT), 24 months DLP, labeling of all installation and equipment, etc. Any night shift/temporary works in order to complete the works should be included.	1	Lot
2	**AOCC Operations Room**		
2.1	*Operator Position 1 (for Operation)*		
2.1.1	Workstation including 2 units of 34-inch Curved Monitor with following applications/software: o share same view among all Main Operator Positions and Training Positions by IP KVM (IP Based Keyboard Mouse Monitor Switch) • AMHS • AWOS • ATC (FDP) (only provide the hardware, software will be installed by Airport Sub-MSC) • VDGS • BHS • SMR o Local Application • AMS • A-CDM • Microsoft Office	1	Lot

	• FIDS
	• Anti-virus or any necessary application that is required to fulfill cybersecurity
	o Standalone application with independent workstation in server room (control and display through IP KVM (IP Based Keyboard Mouse Monitor Switch))
	   • Pelco CCTV
	   • 360 CCTV		

2.1.2	IP Telephone with recording and real-time play back and integration with internal/external/VCS(from ATC) calls (add the recording function in the existing PABX System, the integration with internal/external/VCS be done by Airport MSC)	1	Lot
2.1.3	VHF Receiver	1	Lot
2.2	*Operator Position 2 (for Operation)*		
2.2.1	Workstation including 2 units of 34-inch Curved Monitor with same applications/software As Operator Position 1	1	Lot
2.2.2	IP Telephone with recording and real-time play back and integration with internal/external/VCS(from ATC) calls (add the recording function in the existing PABX System, the integration with internal/external/VCS will be done by Airport Sub-MSC)	1	Lot
2.2.3	TMRS	1	Lot
2.3	*Operator Position 3 (for Operation)*		
2.3.1	Workstation including 2 units of 34-inch Curved Monitor with same applications/software As Operator Position 1	1	Lot
2.3.2	IP Telephone with recording and real-time play back and integration with internal/external/VCS(from ATC) calls (add the recording function in the existing PABX System, the integration with internal/external/VCS will be done by Airport Sub-MSC)	1	Lot
2.3.3	TMRS	1	Lot
2.4	*Operator Position 4 (for Training)*		

2.4.1	Workstation including 2 units of 34-inch Curved Monitor with following applications/software:
	o share same view among all Main Operator Positions and Training Positions by IP KVM (IP Based Keyboard Mouse Monitor Switch)
	   • AMHS
	   • AWOS
	   • ATC (FDP) (only provide the hardware, software will be installed by Airport Sub-MSC)
	   • VDGS
	   • BHS
	   • SMR
	o Local Application
	   • AMS
		1	Lot

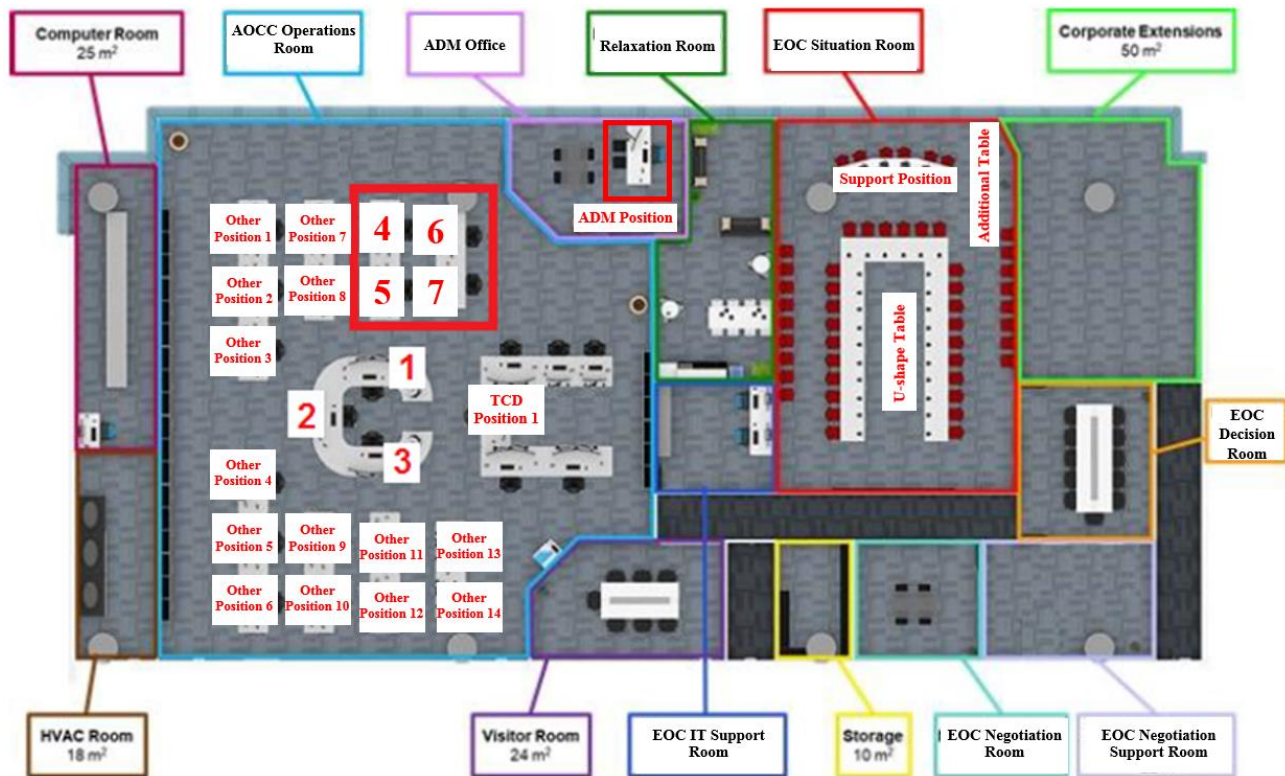|			
	• A-CDM		
	• Microsoft Office		
	• FIDS		
	• Anti-virus or any necessary application that is required to fulfill cybersecurity		
	o share same view among all Training Positions by IP KVM (IP Based Keyboard Mouse Monitor Switch)		
	• Pelco CCTV		
	• 360 CCTV		
2.4.2	IP Telephone with recording and real-time play back and integration with internal/external/VCS(from ATC) calls (add the recording function in the existing PABX System, the integration with internal/external/VCS be done by Airport MSC)	1	Lot
2.4.3	TMRS	1	Lot
2.4.4	VHF Receiver	1	Lot
2.5	*Operator Position 5 (for Training)*		
2.5.1	Workstation including 2 units of 34-inch Curved Monitor with same applications/software As Operator Position 4	1	Lot
2.5.2	IP Telephone with recording and real-time play back and integration with internal/external/VCS(from ATC) calls (add the recording function in the existing PABX System, the integration with internal/external/VCS be done by Airport MSC)	1	Lot
2.6	*Operator Position 6 (for Training)*		
2.6.1	Workstation including 2 units of 34-inch Curved Monitor with same applications/software As Operator Position 4	1	Lot
2.6.2	IP Telephone with recording and real-time play back and integration with internal/external/VCS(from ATC) calls (add the recording function in the existing PABX System, the integration with internal/external/VCS be done by Airport MSC)	1	Lot
2.6.3	TMRS	1	Lot
2.6.4	VHF Receiver	1	Lot
2.7	*Operator Position 7 (for Training)*		
2.7.1	Workstation including 2 units of 34-inch Curved Monitor with same applications/software As Operator Position 4	1	Lot
2.7.2	IP Telephone with recording and real-time play back and integration with internal/external/VCS(from ATC) calls (add the recording function in the existing PABX System, the integration with internal/external/VCS be done by Airport MSC)	1	Lot
2.8	*TCD Position 1*		
2.8.1	Workstation including 2 units of 34-inch Curved Monitor with following applications/software: o share same view with existing TCD office by IP KVM (IP Based Keyboard Mouse Monitor Switch)	1	Lot

	• TCMS		
	• AWOS		
	• VDGS		
	• BHS		
	• SMR		
	• BMS		
	• MSSR (only provide the hardware, software will be installed by Airport Sub-MSC)		
	• Telemetry		
	• FADS		
	o Local Application		
	• Microsoft Office		
	• Anti-virus or any necessary application that is required to fulfill cybersecurity		
2.8.2	VCS	1	Lot
2.8.3	IP Telephone (only provide the hardware, the integration will be done by Airport MSC)	1	Lot
2.8.4	Analog Telephone (only provide the hardware, the integration will be done by Airport MSC)	1	Lot
2.8.5	VHF Receiver	1	Lot
2.9	*AOCC Video Wall (TV or LED)*	1	Lot
	Utilize the whole wall as shown on pic with the following application		
	o share same view among all Main Operator Positions and Training Positions by IP KVM (IP Based Keyboard Mouse Monitor Switch)		
	• AWOS		
	• BHS		
	• SMR		
	o share same view among with existing TCD office by KVM		
	• TCMS		
	• AWOS		
	• VDGS		
	• BHS		
	• SMR		
	• BMS		
	• MSSR (Only provide the hardware, software will be installed by Airport Sub-MSC)		
	• Telemetry		
	• FADS		
	o Standalone application with independent workstation in server room (control and display through IP KVM (IP Based Keyboard Mouse Monitor Switch))		

	• Pelco CCTV		
	• 360 CCTV		
	o Local Application		
	• A-CDM		
	• FIDS		
	Size: 13.33m x 1.73m		
	Control by Operator Position 1, Operator Position 2 Operator Position 3 and TCD Position 1		
2.10	*Others*		
2.10.1	GPS Digital Clock	1	Lot
3	**Airport Duty Manager (ADM) Office**		
3.1	*Airport Duty Manager (ADM) Position*		
3.1.1	Workstation including 1 units of 34-inch Curved Monitor with following applications/software: o share same view among all Main Operator Positions and Training Positions by IP KVM (IP Based Keyboard Mouse Monitor Switch) • BHS o Local Application • AMS • A-CDM • Microsoft Office • FIDS • Anti-virus or any necessary application that is required to fulfill cybersecurity o Standalone application with independent workstation in server room (control and display through IP KVM (IP Based Keyboard Mouse Monitor Switch)) • Pelco CCTV • 360 CCTV	1	Lot
3.1.2	Telephone (provide the hardware, the integration will be done by Airport MSC)	1	Lot
3.2	*Others*		
3.2.1	Electronic whiteboard	1	Lot
4	**EOC Situation Room**		
4.1	*U-shape Table*		
4.1.1	Microphone/speaker with recording	26	Lot
4.1.2	Emergency Information Display o Put on floor within the middle area of the U-shape table o Input at the Supporting Position	7	Lot
4.1.3	TMRS with headset, battery and charger	14	Lot
4.1.4	TMRS headset, battery and charger	12	Lot
4.1.5	Telephone for internal and external with voice recording system (add the recording	26	Lot

	function in the existing PABX System, the integration with internal/external be done by Airport MSC)		
4.2	*Additional Table*		
4.2.1	Hotline telephones with voice recording system (with real-time play back) (add the recording function in the existing PABX System, the integration will be done by Airport MSC)	6	Lot
4.2.2	Workstations connecting standalone application with independent workstation in server room (control and display through IP KVM (IP Based Keyboard Mouse Monitor Switch) and should be share to old EOC room) • ATC (FDP) • SMR	1	Lot
4.2.3	VHF Receiver	1	Lot
4.3	*Support Position*		

4.3.1	All-in-one workstations with one 32 inch display (including 1 portable for Duty Manager)
	 o Local Application
	  • AMS
	  • A-CDM
	  • Microsoft Office
	  • Anti-virus or any necessary application that is required to fulfill cybersecurity
		7	Lot

4.3.2	Telephone for connection to hotline, internal and external with voice recording system (add the recording function in the existing PABX System, the integration with internal will be done by Airport MSC)	6	Lot

4.4	*Video Wall (TV or LED)*
	Control Panel on Supporting position and IT Support Room
	 o The following apps should be able to displayed:
	  • CATV
	  • Pelco CCTV
	  • Internet
	  • AMS
	  • A-CDM
	  • FIDS
	  • 360 CCTV
		1	Lot

4.5	*Others*		
4.5.1	50 inch TV showing FIDS	1	Lot
4.5.2	GPS digital clock	1	Lot
4.5.3	Room Voice Recorder	1	Lot
4.5.4	Speakers connected to Negotiation room with volume control (When PJ officer allow, EOC members can listen negotiation)	1	Lot
4.5.5	Electronic whiteboard	2	Lot

5	**EOC IT Support Room**		
5.1	Intercom with EOC Situation Room	1	Lot

5.2	Workstation with one 34-inch Curved Monitor each:
	o Local Application
	  • Pelco CCTV
	  • Anti-virus or any necessary application that is required to fulfill cybersecurity
		2	Lot

5.3	Telephone (only provide the hardware, the integration will be done by Airport MSC)	1	Lot
6	**EOC Negotiation Room**		
6.1	Negotiation kit with the cabling work	1	Lot
6.2	Recording System	1	Lot
6.3	50-inch Wall-mount Monitor for CATV	1	Lot
6.4	50-inch Wall-mount Monitor for FIDS	1	Lot
6.5	Telephone for internal with voice recording system (add the recording function in the existing PABX System, the integration with internal will be done by Airport MSC)	1	Lot
6.6	GPS Digital Clock	1	Lot
6.7	Warning Light Box indicating negotiation in progress	2	Lot
6.8	all-in-one workstation with one 32 inch display	1	Lot
6.9	CCTV workstation with one 24 inch display	1	Lot
6.10	TMRS with headset, battery and charger	2	Lot
7	**EOC Negotiation Support Room**		

7.1	Workstation with 1 unit of 60-inch Wall-mount Monitor with following applications/software:
	o Local Application
	  • Pelco CCTV
	  • 360 CCTV
		1	Lot

7.2	all-in-one workstation with one 32 inch display	1	Lot
7.3	60-inch Wall-mount Monitor for CATV	1	Lot
7.4	Telephone for internal with voice recording system (add the recording function in the existing PABX System, the integration with internal will be done by Airport MSC)	1	Lot
7.5	Telephone for external with voice recording system (add the recording function in the existing PABX System, the integration with external will be done by Airport MSC	1	Lot
7.6	Speakers connected to Negotiation room with volume control (When PJ officer allow, members can listen negotiation)	1	Lot
7.7	GPS Digital Clock	1	Lot

7.8	TMRS with headset, battery and charger	2	Lot
8	**EOC Decision Room**		
8.1	Electronic whiteboard	1	Lot
8.2	GPS Digital Clock	1	Lot
8.3	all-in-one workstation with one 32 inch display	1	Lot
8.4	Telephone for external with voice recording system (add the recording function in the existing PABX System, the integration with external will be done by Airport MSC)	1	Lot
8.5	Speakers connected to Negotiation room with volume control (When PJ officer allow, members can listen negotiation)	1	Lot
9	**Relaxation Room**		
9.1	50-inch Wall-mount Monitor for CATV	1	Lot
10	**Others**		
10.1	Other work for the project completion (please list detail if necessary)	1	Lot
11	**Handover Phase**		
11.1	T&C, final handover inspection	1	Lot
11.2	As-built drawings and documents	1	Lot
11.3	Training	1	Lot

條款:

1. 報價時請列明所有條款
2. 報價請以澳門幣結算及付款方式
3. 註明完成項目週期