MEZ BIDS AND AWARDS COMMITTEE
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BID BULLETIN

01 August 2025

Clarification notice is hereby given to all prospective bidders for the project, **Installation of FK-5-1-12 Based Clean-Agent Fire Suppression System at MIS, EE and Command Center Room** with **Project Identification No. PEZA-MEZ 2025-007** with **ABC Php2,700,000.00,** on the **ITEMS in the BILL OF QUANTITIES** and **SCOPE OF WORKS** in the PBD:

BILL OF QUANTITIES	
FROM	**TO**
50L TPED Seamless Cylinder To Be Filled With FK-5-1-12 Agent – 2 pc/s	TPED Cylinder Welded – cylinder sizing will be based on the manufacturer's software calculation recommendation.
80L TPED Seamless Cylinder To Be Filled With FK-5-1-12 Agent – 1 pc/s	
1.5" DISCHARGE VALVE – **3 pc/s**	1.5" DISCHARGE VALVE – **2 pc/s**
	1" DISCHARGE VALVE – **1 pc/s**
FK Pressure gauge with switch – **50B**	FK Pressure gauge – **25B**
FK Label For 1000L Cylinder	FK Label
FK-5-1-12 Agent (PER KG) – **52 kg**	FK-5-1-12 Agent (PER KG) - The required filling quantity of FK-5-1-12 agent per cylinder shall be determined based on the manufacturer's software design calculation.
FK-5-1-12 Agent (PER KG) – **42 kg**	
FK-5-1-12 Agent (PER KG) – **22 kg**	
Valve Outlet Adaptor **2"** – **3 pc/s**	Valve Outlet Adaptor **1.5"** – **2 pc/s**
	Valve Outlet Adaptor **1"** – **1 pc/s**
FK Discharge Nozzle – **2"** – **5 pc/s**	FK Discharge Nozzle – 1-1/4" – **1 pc/s**
	FK Discharge Nozzle – 3/4" – **1 pc/s**
	FK Discharge Nozzle – 1/2" – **1 pc/s**
Backup Battery, 12VDC, 7AH – **3 pc/s**	Backup Battery, 12VDC, 7AH – **6 pc/s**
AC Integration Module – **3 pc/s**	AC Integration Module – **2 pc/s**
Door Access Integration Module – **3 pc/s**	Door Access Integration Module – **1 pc/s**
Motorized Damper for auto-off shut-off AC **3 pc/s**	Motorized Damper for auto-off shut-off AC **– is hereby removed, item no longer required.**

SCOPE OF WORKS	
FROM	**TO**
1.4.B Cylinder and Valve Assembly - The suppression agent must be contained within a **TPED seamless cylinder**, equipped with a **1.5" discharge valve** and a **pressure gauge with switch** to monitor cylinder pressure.	1.4.B Cylinder and Valve Assembly The suppression agent must be contained within a **TPED welded cylinder**, equipped with an **appropriate discharge valve** and a **pressure gauge** to monitor cylinder pressure.
1.4.F Discharge Nozzles and Agent Distribution - The system must include a **2-inch FK discharge nozzle** designed to evenly disperse the agent within the protected area.	1.4.F Discharge Nozzles and Agent Distribution - The system must include **an appropriate FK discharge nozzle** designed to evenly disperse the agent within the protected area.
1.5.B Agent Storage and Distribution - For preliminary verification, FK-5-1-12 **(NOVEC 1230)** agent typically requires:	1.5.B Agent Storage and Distribution - For preliminary verification, FK-5-1-12 agent typically requires:
1.5.E Fire Suppression Sequence - Ensure activation of **HVAC shutdown**, door release, and other fire safety mechanisms before discharge. 1.5.G Safety and Interlocks - Integrate the system with HVAC shutdown and dampers to prevent agent loss.	1.5.E Fire Suppression Sequence - Ensure activation of **air conditioning shutdown**, door release, and other fire safety mechanisms prior to discharge. 1.5.G Safety and Interlocks - is hereby removed from the Scope of Works — HVAC shutdown and damper integration is no longer required**.**
1.7.D FACP Specifications - **HVAC** shutdown relay	1.7.D FACP Specifications – **Air-conditioning** shutdown relay

The attached **BILL OF QUANTITIES** shall supersede the Bill of Quantities in Section VIII of the Philippine Bidding Documents and shall now form an integral part of the Bidding Documents. (See Annex A)

The abovementioned **SCOPE OF WORKS** shall change some portions of the Scope of Works in Section VI. Specifications of the Philippine Bidding Documents and shall now form an integral part of the Bidding Documents.

This Bid Bulletin is issued this 01 August 2025, for guidance and information of all concerned.

Very truly yours,

MR. ARNEL M. SUYU
MEZ BAC Chairperson

Philippine Economic Zone Authority (ANNEX A)

Date

Title of Activity: PROPOSED INSTALLATION OF FK-5-1-12 BASED CLEAN-AGENT FIRE SUPPRESSION SYSTEM AT MIS, EE, AND COMMAND CENTER ROOM

Location: PEZA ADMIN BUILDING, AAI COMPOUND, MACTAN ECONOMIC ZONE 1, BRGY. IBO, LAPU-LAPU CITY

BILL OF QUANTITIES

1. FK-5-1-12 BASED CLEAN-AGENT FIRE SUPPRESSION SYSTEM AT MIS, EE, AND COMMAND CENTER ROOM

No.	DESCRIPTION	QTY	UNIT	UNIT PRICE	AMOUNT	Remarks
A	**SYSTEM COMPONENTS AND ACCESSORIES**					
	TPED Cylinder Welded – cylinder sizing will be based on the manufacturer's software calculation recommendation.	3.00	pc/s			
	1.5" DISCHARGE VALVE	2.00	pc/s			
	1" DISCHARGE VALVE	1.00	pc/s			
	FK Pressure guage with switch - 25B	3.00	pc/s			
	FK Label	3.00	pc/s			
	FK-5-1-12 Agent (PER KG) - The required filling quantity of FK-5-1-12 agent per cylinder shall be determined based on the manufacturer's software design calculation.		kg			
	Electromagnetic Actuator	3.00	pc/s			
	Manual Actuator	3.00	pc/s			
	Valve Outlet Adaptor - 1.5"	2.00	pc/s			
	Valve Outlet Adaptor - 1"	1.00	pc/s			
	Discharge Pressure Switch	3.00	pc/s			
	FK Discharge Nozzle - 1-1/4"	1.00	pc/s			
	FK Discharge Nozzle - 3/4"	1.00	pc/s			
	FK Discharge Nozzle - 1/2"	1.00	pc/s			
	230V, Conventional Releasing Panel	3.00	pc/s			
	Back-up Battery, 12VDC, 7AH	6.00	pc/s			
	Conventional Smoke Detector (UL 7th Ed.)	6.00	pc/s			
	2 Wire, 4" Detector Based, 24 VDC*	6.00	pc/s			
	Abort Switch	3.00	pc/s			
	Manual Pull Station For Fire Suppression Release	3.00	pc/s			
	Wall Mount Horn/Strobe @ 10', RED	3.00	pc/s			
	6" Motor Bell (UL)	3.00	pc/s			
	Evacuate Flashing Signage	3.00	pc/s			
	Gas Discharge Flashing Signage	3.00	pc/s			
	Entrance Warning Sign "Do Not Enter…"	3.00	pc/s			
	Exit Warning Sign "Leave Area	3.00	pc/s			
	Fire Rated Cable	3.00	roll			
	AC Integration Module	2.00	pc/s			
	Door Access Intergration Module	1.00	pc/s			
	IDF DOOR Fan Integrity Testings	3.00	lot			
	Materials Electro/Mechanical	3.00	lot			
C	**LABOR, DESIGN AND ENGINEERING AND PROJECT MANAGEMENT**					
iii	Labor					
	Project Lead	90.00	days			
	Field Installers 1	90.00	days			
	Field Installers 2	90.00	days			
D	**PRELIMINARIES**					
	Mobilization	1.00	lot			
	Processing of Electronics Permit, Permit to Operate, and BFP Fee's	1.00	lot			

	Supervision, Management, and Testing and Commissioning	1.00	lot			
E	Estimated Direct Cost (EDC)					
F	Indirect Cost/Mark-Up					
	Overhead, Contingencies & Miscelaneous @ 12% of EDC					
	Profit @ 8% of EDC					
	Sub-Total					
G	5% Value Added Tax of EDC, OCM and Profit					
H	Total Cost = G + E + F					

SUMMARY:

No.	DESCRIPTION	QTY	UNIT	AMOUNT	Remarks
A	**FK-5-1-12 BASED CLEAN-AGENT FIRE SUPPRESSION SYSTEM AT MIS, EE, AND COMMAND CENTER ROOM**	1.00	lot		
	TOTAL ESTIMATED PROJECT COST = PhP				