

Request for Proposal (RFP)

Supply & Installation of Fire Detection and
Suppression System for IT Department

AB Bank PLC.
Department of Information Technology
30-31 Dilkusha C/A, Dhaka 1000 Bangladesh

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INTRODUCTION

We are seeking proposals for the Supply & Installation of Fire Detection and Suppression System for IT Department. This solution aims to enhance fire safety and ensure compliance with all relevant codes and standards.

SCOPE OF WORK

Supply of Products:

Sl	Item	Description of Items	QTY	UoM
		Suppression Agent		
1	Suppression Agent (Gas)	HFC227ea (FM200)	60	kg
	Brand	Sanjing		
	Origin of the Brand	China		
	Chemical Name	1,1,1,2,3,3,3-Heptafluoropropane		
	Purity (%)	99.99		
	Classification of Fire	A, B, C and Electrical Fire.		
	Safe Human Expose Time	5 min		
	Discharge Time	±10 sec		
	Storage Pressure	25 bar		
	Type	Clean Agent Suppression System		
	SYNONYMS	2H-Heptafluoropropane; HFC-227ea; R-227; FM-200™; FE-227™		
	Molecular Weight	00:02.0		
	Boiling Point	-16.4°C / 3°F		
	VAPOR DENSITY (AIR =1)	: 6.04		
	WATER REACTIVE	: NO		
	SPECIFIC GRAVITY (H2O =1)	: 1.46		
	VAPOR PRESSURE (@ 21°C / 70°F)	: 58.8 psi		
	Melting Point	: -131°C / -204°F		
	WATER SOLUBILITY (v/v @ 20°C / 68°F)	260 mg/L		
2	Cylinder	Cylinder for HFC227ea (FM200) 40 Liter	2	Nos
	Brand	Sanjing		
	Origin of the Brand	China		
	Specification	Each Metal Cylinder Assembly includes storage container, Straps, valve, flange and dip tube. Units combined with accessories (hoses, NRV, actuators and pneumatic components) can be used as modular (one cylinder) or		

		centralized (multiple cylinders) system. All Accessories are as required.		
3	Nozzle	Steel Nozzel 360;1/2"-11/2"	4	Nos
SI	DETECTION SYTEMS (Fire suppression Zone)			
4	Control Panel	Extinguishing Area Control Panel with gas release	1	Nos
	Brand	Program		
	Origin	Malaysia		
	Detection Zone	4(four)		
	Extinguishing Area	2(two)		
	Working Method	The gas discharge can be automatic using double knock detection or manual using electrical key switch.		
	indicators	Power Source, Power Failure, Zone Fire, Faulty and Isolate, Auxiliary Trip Isolate, Gas Isolate.		
	Switch	Bell Isolate, Auxiliary Trip Isolate, Gas Isolate, Faulty Buzzer Mute, Master Reset, Main on/Off, Tesst Battery.		
	Delay Discharge Timer	Built-in and Adjustable		
	Power Supply Input	240V AC 250Hz		
	Operating /Systems	24V DC		
	Charger	Auto / Trickle		
Cabinet	The system is housed in a compact enclosure, finished with signal red epoxy powder paint			
Test Class	EN 54-2 or MS 1745-2			
5	Battery	Rechargeable Seal Lead-Acid Battery for control panel, 12V each 7.2ah	2	Nos
6	Heat Detector	Conventional Heat Detector	4	Nos
	Brand	Apollo		
	Origin	Uk		
	Supply Voltage	9 to 33V		
	Alarm Indication	Red LED		
	Alarm Current	52mA, at 24V		
7	Smoke Detector	Conventional Smoke Detector	4	Nos
	Brand	Apollo		
	Origin	Uk		
	Supply Voltage	9 to 33V		
	Alarm Indication	Red LED		

	Alarm Current	52mA, at 24V		
8	Flashing Light	Flashing light	2	Nos
9	Alarm Bell	Dimension:6", Red colour	2	Nos
10	Call Point	Manual Release or Break Glass	2	Nos
11	Gas Discharge Sign	Gas Discharge Sign	2	Nos
12	Caution Sign	Caution Sign	2	Nos
Mechanical and Electrical fittings				
13	Accessories for suppression Channel	Schedule 40 pipe 1/2" - 1½" Dia, Korea	1	Lot
		Fire resistance cable BRB		
		Best Quality Local Painting Berger or equivalent		
		PVC pipe 3/4" Conduit Fittings and others.		
Installation and Others				
14	Installation	Installation, Detection Testing,Commissioning, operational training.	1	Job

Installation: Complete installation of Fire Detection and Suppression System, including necessary accessories.

Testing & Commissioning: Ensure proper functionality post-installation.

COMMERCIAL REQUIREMENTS

Unit Price: To be quoted per products.

Accessories: To be included in the quote.

Installation Charges: To be included in the quote.

Total Cost: Including VAT & TAX.

VENDOR REQUIREMENTS

Only bidders meeting the following criteria are eligible to respond to this RFP:

- Must be a legally registered entity in Bangladesh.
- The bidder must be a regular taxpayer.
- Must have prior experience in delivering and supporting similar solutions.
- Any bidder who has been blacklisted or barred by any Government Department, Financial Institution, Bank, or Regulatory Body shall be disqualified. A Litigation Declaration Letter must be submitted.

PROPOSAL SUBMISSION

Vendors must submit their technical proposals via email to rfp@abbl.com with the subject line: **"Supply & Installation of Fire Detection and Suppression System for IT Department"** A hard copy of the commercial proposal must be submitted separately in a sealed envelope, addressed to the **Head of Administration** at the following address:

**Head of Administration**

AB Bank PLC.

The Skymark, Level 4, 18 Gulshan Avenue, Dhaka 1212, Bangladesh

SUBMISSION GUIDELINES

- Proposal Submission Deadline: **March 20, 2025, at 12:00 Noon**
- You may visit the location (BCIC Bhaban, 9th floor, 30-31 Dilkusha C/A, Dhaka) before submitting the financial offer.

CONTACT INFORMATION

For any clarifications, please contact rfp@abbl.com.