



**DEVELOPMENT BANK OF THE PHILIPPINES**

San Fernando Lending Center

2/F Dona Isa Fel Bldg. Mc Arthur Highway Dolores, City of San Fernando, Pampanga

**TERMS OF REFERENCE**

**PROJECT : SUPPLY, DELIVERY, SERVICING AND TRADE-IN/CONVERSION OF FOURTEEN (14) UNITS DRY CHEMICAL CYLINDER TO BRAND NEW 10lbs HFC-236fa-CLEAN AGENT FIRE EXTINGUISHERS FOR DBP SAN FERNANDO LENDING CENTER**

**I. APPROVED BUDGET FOR THE CONTRACT**

SEVENTY THOUSAND (₱70,000.00) ONLY for fourteen (14) units, inclusive of all applicable government taxes

**II. TECHNICAL SPECIFICATION**

Supply, delivery, servicing and trade-in/conversion of fourteen (14) units dry chemical cylinder to brand new ten (10) lbs. HFC-236fa- Clean Agent fire extinguishers suited for both industrial and commercial establishment needs, with DTI/ BPS Product Quality Certified License and with five (5) years performance guarantee.

<b>Chemical composition for Clean Agent Fire Extinguisher</b>	
<b>Chemical and Physical Properties:</b>	
Capacity	10 lbs
Height	17 inches
Diameter	5 inches
Pressure	195 psi
Range	12-15 ft
Discharge Time (approximately)	13-17 seconds
DTI/ BPS Approved	Yes
Features	<ul style="list-style-type: none"> <li>• Electrically non-conductive</li> <li>• Zero ozone depletion</li> <li>• Environment-friendly extinguishing agent for:               <ul style="list-style-type: none"> <li>▪ Computer center</li> <li>▪ Data/document storage area</li> <li>▪ Communication facilities</li> <li>▪ Control rooms</li> <li>▪ General office area</li> </ul> </li> </ul>

Chemical description	HEXAFLUOROPROPANE
Molecular Weight	152
Boiling Point ( °C)	-1.4
Freezing Point ( °C)	-93.6
Critical pressure (bar)	31.008
Critical temperature ( °C)	124.9
Critical volume (cc/mol)	268.5
20 °C vapor pressure (bar)	2.296
200 °C liquid density (kg/m <sup>3</sup> )	1376
20 °C Saturated steam density (kg/m <sup>3</sup> )	15.58



QUALITY STANDARD		SAFETY STANDARD	
Purity	99.5	ODP	0
Acidity	0.0003	GWP	6300
Water	0.001		
Evaporation Residue	0.01		
Suspended matter/precipitate	Non-visualized		

Discharged as fluid and flashes to gas, providing an increase effective firefighting range, clean agent chemical shall leave no residue and requires no clean-up after discharge. It should be colorless, non-corroding, compressed liquid without destruction to the atmosphere.

**III. GENERAL CONDITIONS**

1. The Supplier shall ensure that the goods delivered provided are in accordance with the specifications required.
2. The Supplier, in consideration of the payment to be made by DBP of the sum of money hereinafter specified, binds itself to pay furnish, install and complete any and all necessary permits, materials, labor, tools, equipment, supplies, utilities, transportation, superintendence, supervision and other facilities for the satisfactory performance for the supply and delivery of items to DBP San Fernando Lending Center.
3. The Supplier shall be fully responsible for the safety of his/her personnel and clearly understands that no employee-employer relationship shall exist between Supplier and DBP. Any damage caused by the Supplier to any property of DBP or injury or death to a third party shall be the sole responsibility of the Supplier and shall pay cost or shoulder the burden thereof.
4. The DBP shall be free from any kind of claims, damages, liabilities or courses of action on the event the Supplier violates any terms and conditions hereof.
5. Delivery must be within fifteen (15) calendar days upon receipt of Purchase Order (PO)/Notice to Proceed (NTP) to the below address:

DBP San Fernando Lending Center  
 2/F Dona Isa Fel Bldg. Mc Arthur Highway  
 Dolores, City of San Fernando, Pampanga

6. If the Supplier fails to satisfactorily deliver any or all of the Goods and/or to perform the Services within the period specified in the Contract inclusive of duly granted time extensions if any, the Procuring Entity shall, without prejudice to its other remedies under the Contract and under the applicable law, deduct from the Contract Price, as liquidated damages, the applicable rate of one tenth (1/10) of one (1) percent of the cost of the unperformed portion for every day of delay until actual delivery or performance. The maximum deduction shall be ten percent (10%) of the amount of contract. Once the maximum amount of liquidated damages reaches ten percent (10%), the Procuring Entity may rescind or terminate the Contract, without prejudice to other courses of action and remedies open to it.



7. The DBP may terminate or cancel the PO/NTP when the supplier fails to deliver, perform and comply with its obligation as required in the contract and has the right to reject delivery if item delivered was found to be defective and not according to the required specifications.
8. Cost of transportation and technicians' per diem shall be also to the account of the Supplier.

#### IV. WARRANTY

1. Warranty period must be covered by a Certificate. To be provided upon delivery.
2. Five (5) years warranty upon final acceptance of the units. If any of the newly-bought fire extinguishers developed trouble and/or malfunction within the warranty period, the same shall be repaired/ replaced (parts) free of charge and its warranty will be extended until such time the contractor completed the repair.

#### V. DOCUMENTARY REQUIREMENTS

The supplier must submit the following:

1. Signed proposal/quotation
2. Valid and updated Business Permit
3. Valid and updated PhilGEPS Registration
4. DTI/ BPS Certified License
5. Notarized Omnibus Sworn Statement signed by owner/ authorized representative
6. For Sole Proprietorship, duly Notarized Special Power of Attorney, if to designate a representative
7. For Corporation, duly notarized Board Resolution/ Secretary's Certificate designating authorized representative.

#### VI. PAYMENT

One-time full payment via Manager's Check shall be issued or Credit to DBP Account upon complete supply and delivery of the fourteen (14) units of ten (10) lbs. brand new HFC 236fa clean agent fire extinguishers to DBP San Fernando Lending Center.

Prepared by:

*signed*  
**QUEENEE M. NAVARRO**  
Account Officer Assistant

Reviewed/ Recommended by:

*signed*  
**AVP LIZEL S. LAPUZ**  
Head, San Fernando Lending Center

Approved by:

*signed*  
**SVP CATHERINE T. CAMARAO**  
Head, North and Central Luzon Lending Group