

Bid Document

Bid Details	
Bid End Date/Time	20-07-2020 10:00:00
Bid Opening Date/Time	20-07-2020 10:30:00
Bid Life Cycle (From Publish Date)	90 (Days)
Bid Offer Validity (From End Date)	75 (Days)
Ministry/State Name	Ministry Of Defence
Department Name	Department Of Defence
Organisation Name	Indian Air Force
Office Name	*****
Total Quantity	1
Item Category	Fixed Clean Agent Gas based Fire Suppression System
MSE Exemption for Years of Experience and Turnover	No
Startup Exemption for Years of Experience and Turnover	No
Bid to RA enabled	Yes
Inspection Required	No

EMD Detail

Required	No
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ePBG Detail

Required	No
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Splitting

Bid splitting not applied.

Fixed Clean Agent Gas Based Fire Suppression System (1 pieces)

Technical Specifications

* As per GeM Category Specification

Specification	Specification Name	Values	Bid Requirement (Allowed Values)
GENERIC	Clean Agent Gas based Fire Suppression System suitable upto 2 metre cube volume	Designed to fight fires that occur in the enclosed space of electric panels/closed cabinets/Racks The system's split second detection and activation ensures that the fires are killed in the nascent stage inside the most vulnerable spaces	*
	Types of Electrical or Server Cabinets (Construction)	Open Cabinet with natural Airflow	*
	Type of Clean agent with zero ODP(ozone depleting potential) as per NFPA 2001 to be used for fire suppression	-	*
	Clean Agent listing	UL	*
CONSTRUCTIONAL	Container (Containing the clean agent)	BS EN 3-8	*
	Electrical non conductive Clean Agent Type	Yes	*
	Clean agent Capacity of cylinder in Kg	2	*
	Length of Heat Sensing Tube (HST) made of special modified polyimide (PA) in (meter) approved by LPCB / UL LISTED	10	*
	Internal Diameter of Heat Sensing Tube	4mm	*
	Out side diameter of heat sensing tube	6mm	*
	Prepressurised Tube	Heat Sensing Tubing should be pressureized with dry nitrogen gas confirming to IS: 1747 and connected to an extinguishing agent container via a pressure release valve.	*

Pressure Valve	Direct low pressure type with inbuilt pressure gauge, integrated ball valve for open / close within the valve body.	*
Reed switch to monitor the valve position using the reed switch relay to indicate valve open/closed position	With	*
Number of outlets to connect the heat sensing tube	Two	*
Valve operation	Pneumatic	*
Monitoring Panel	An audio visual monitoring panel Micro controller based design to check the health of the system and the pressure in the tube	*
Power back up for Monitoring Panel	12V, 7.2 Ah SMF batteries (2 Nos)	*
Indication on Monitoring Panel	Ac Power ON, system ON ,system discharge, valve closed/open,Pressure Healthy , Battery Low indication by LED indicator	*
Third Party Intigration facility to intigrate with other fire safety device like smoke detection system panel etc	Yes	*
Electric Buzzer	50 dB piezo electric buzzer	*
Pressure switches to sense the drop in pressure	Yes	*
Option to connect upto 4 systems in one panel	Yes	*
If not connect 4 system in one panel please declare	-	*
Suitable valve for closing & releasing	Yes	*
Straight connectors/ elbow connectors/ T connectors for	Yes	*

	connecting HST in case wherever required		
	End of line adapter	Yes	*
	End of line plug	Yes	*
	Conventional electric sounder suitable to operate between temperature -20°C to +60°C, with a sound of minimum 60 decibels with variable tones in Red Colour and IP-66 Rated	With	*
PERFORMANCE	Ozone Depleting Potential	Zero	*
	HST Tube type	multi layer and UV protected	*
	Max Working Pressure	20 Bar	*
	Burst Pressure at 20 °C	108	*
	Operating Temperature range shall be -20° C to 60° C	-20° C to 60° C	*
	System operating pressure	15 bar	*
CERTIFICATION	Complete system testing and certification	LPCB Standard LPS 1666:Issue 1.0	LPCB Standard LPS 1666:Issue 1.0
	Test report of the Heat sensing tube	Yes	*
	Marking of OEM / Supplier Name & year of production on the tube	Yes	*
	Valve Certification	TPED certificate for valve in conformity to EN ISO 10297:2006/Pi/CE Marked	*
	For panel having ventilation or exhaust fan adequate safety factor for clean agent as per LPS 1666 to be provided	Yes	*
	System operation and maintenance manual to be submitted along with the supplies	Yes	*
	Design lifespan period	10	*

	(Min 5 years)		
	Test Report No and Date	-	*
	Name and Address of the Lab	-	*
	Test Reports to be furnished to the buyer on demand	Yes	*
	Warranty of the complete system (years)	2	2

* Specifications highlighted in bold are the Golden Parameters.

* Bidders may note that In respect of non-golden Parameters, the specifications 'Values' chosen by Buyer will generally be preferred over 'Bid requirement (allowed Values) by the Buyer.

Additional Specification Documents

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	*****	*****GHAZIABAD	1	20

Bid Specific Additional Terms and Conditions

1. Scope of supply (Bid price to include all cost components) : Supply Installation Testing Commissioning of Goods and Training of operators and providing Statutory Clearances required (if any)
2. Timely Servicing / rectification of defects during warranty period: After having been notified of the defects / service requirement during warranty period, Seller has to complete the required Service / Rectification within 3 days time limit. If the Seller fails to complete service / rectification with defined time limit, a penalty of 0.5% of Unit Price of the product shall be charged as penalty for each week of delay from the seller. Seller can deposit the penalty with the Buyer directly else the Buyer shall have a right to recover all such penalty amount from the Performance Security (PBG).Cumulative Penalty cannot exceed more than 10% of the total contract value after which the Buyer shall have the right to get the service / rectification done from alternate sources at the risk and cost of the Seller besides forfeiture of PBG. Seller shall be liable to re-imburse the cost of such service / rectification to the Buyer.

[This Bid is also governed by the General Terms and Conditions](#)

---Thank You---