

Bid Document

Bid Details	
Bid End Date/Time	23-07-2020 13:00:00
Bid Opening Date/Time	23-07-2020 13:30:00
Bid Life Cycle (From Publish Date)	90 (Days)
Bid Offer Validity (From End Date)	30 (Days)
Ministry/State Name	Ministry Of Science And Technology
Department Name	Department Of Science And Technology (dst)
Organisation Name	Indian Institute Of Astrophysics (iia)
Office Name	Bengaluru
Total Quantity	11
Item Category	Portable Fire extinguishers as per IS 15683 (2018)
MSE Exemption for Years of Experience and Turnover	No
Startup Exemption for Years of Experience and Turnover	No
Bid to RA enabled	No
Inspection Required	No

EMD Detail

Required	No
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ePBG Detail

Required	No
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Splitting

Bid splitting not applied.

Portable Fire Extinguishers As Per IS 15683 (2018) (11 pieces)

Technical Specifications

* As per GeM Category Specification

Specification	Specification Name	Values	Bid Requirement (Allowed Values)
Generic	Conformity to Standard	IS: 15683: 2018 (Latest amendments)	*
	Type	Stored Pressure	Stored Pressure
	Extinguishing Media	Powder Based (as per IS 4308)	Powder Based (as per IS 4308)
	Expellant Medium	N2 Based (Stored Pressure)	N2 Based (Stored Pressure)
Constructional Material	Type of Extinguisher	Low Pressure Extinguisher (Service Pressure ≤ 19 bar)	Low Pressure Extinguisher (Service Pressure ≤ 19 bar)
	Material Specification for the body of High Pressure Extinguisher (Hint: Select NA Low Pressure Extinguisher)	NA	NA
	Material Specification for the body of Low Pressure Extinguisher (Hint: Select NA High Pressure Extinguisher)	Welded low carbon steel cylinders (as per Clause 9.2.5 of IS 15683)	Welded low carbon steel cylinders (as per Clause 9.2.5 of IS 15683)
Construction	Foam Based Extinguishing Media (Hint: Select NA for Extinguishing Media other than Foam Based)	NA	NA
	Powder Based Extinguishing Media (Hint: Select NA for Extinguishing Media other than Powder Based)	ABC	ABC
	Type of Clean Agent for Clean Agent Based Fire Extinguisher (as per CL 5-1-3) (HINT: Select NA for other Extinguishing Media)	NA	NA
	Name of Clean Agent as per (CL 3-13) (HINT:	-	*

Type NA for other Extinguishing Media)		
Foam Based Fire Extinguisher Capacity in Liters (Hint: Select NA for Extinguisher Capacity other than Foam Based)	NA	NA
Powder Based Fire Extinguisher Capacity in Kg (Hint: Select NA for Extinguisher Capacity other than Powder Based)	6	6
Carbon Dioxide Based Fire Extinguisher Capacity in Kg (Hint: Select NA for Extinguisher Capacity other than CO2 Based)	NA	NA
Water Based Fire Extinguisher Capacity in Liters (Hint: Select NA for Extinguisher Capacity other than Water Based)	NA	NA
Clean Agents Fire Extinguisher Capacity in Kg (Hint: Select NA for Extinguisher Capacity other than Clean Agents Based)	NA	NA
Water Mist Fire Extinguisher Capacity in Liters (Hint: Select NA for Extinguisher Capacity other than Water Mist Based)	NA	NA
Weight of Filled Portable Fire Extinguisher	9	*
Features of Fire Extinguisher	Carrying Handle (Mandatory If Extinguisher having mass $\geq 1.5\text{Kg}$ or Cylinder	Carrying Handle (Mandatory If Extinguisher having mass $\geq 1.5\text{Kg}$ or Cylinder diameter,

		diameter, Safety Devices (Mandatory for High Pressure Extinguisher), Rechargeable, Hose Assemblies (Mandatory If mass or volume of Extinguishing medium > 3 Kg or Litres)	Safety Devices (Mandatory for High Pressure Extinguisher), Rechargeable, Hose Assemblies (Mandatory If mass or volume of Extinguishing medium > 3 Kg or Litres)
	Marking	As per clause 10.2 of IS 15683 (latest)	*
	Colour Coding Band (As per CL 10-1)	Blue (Powder)	*
	Pressure Gauge Range for Low-Pressure Extinguishers (Hint: must be ≤ 20 and type 0 for High-Pressure Extinguishers)	15	*
	Class of fire for which Fire Extinguisher is suitable	Class -A	Class -A
Performance	Operating Temperature ($^{\circ}\text{C}$)	-30 $^{\circ}\text{C}$ to +60 $^{\circ}\text{C}$	*
	Test Pressure for all Fire extinguisher except CO2 (Hint: must be ≥ 35 and type 0 for CO2 based Fire Extinguishers)	35	*
	Burst Pressure for all Fire extinguisher except CO2 (Hint: must be ≥ 55 and type 0 for CO2 based Fire Extinguishers)	55	*
	Minimum Effective discharge time for Fire Extinguisher	25	25.0
	Fire Rating of different class of fires (Hint: Higher is better)	4A	4A
	Discharge Range of Class-A and Class-B Fire Extinguisher (As per table 1 of CL 7-2-2) (Hint : ≥ 2 in case applicable on Class-A or Class A & B both / ≥ 1 in case applicable	4	*

	on Class-B only)		
Certification	BIS Marking	Yes	*
	CM/L No With Validity Period	-	*
	Availability of Test Report from Central Govt/NABL/ILAC accredited lab to prove conformity to specification	Availability of Test Report from NABL accredited Laboratory	*
	Test Report No	-	*
	Test Report Date	-	*
	Name of the lab	-	*
	Address of the lab	-	*

* 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	Keshava Murthy RS	562114, Centre for Research and Education in Science & Technology Indian Institute of Astrophysics Shidlaghatta Road, Hosakote 562 114, INDIA	11	30

Bid Specific Additional Terms and Conditions

1. Scope of supply (Bid price to include all cost components) : Only supply of Goods
2. The buyer organization is an institution eligible for concessional rates of GST as notified by the Government of India. The goods for which bids have been invited fall under classification of GST concession and the conditions for eligibility of concession are met by the institution. A certificate to this effect will be issued by Buyer to the Seller after award of the Contract. Sellers are requested to submit their bids after accounting for the Concessional rate of GST. Applicable Concessional rate of GST : 5%
Notification No. and date : 47/2017 dated 14/11/2017

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

---Thank You---