Major Product category : FIRE PROTECTION - UNSPSC Code 4619								
Sub Category : Fire Fighting Equipement - UNSPSC Code 461916								
CO2 based wheeled fire extinguishers : UNSPSC Code - 46191601--- (ITCHS CODE)								
S.No.	Parameters	Ch/N	Value 1	Value 2	Value 3	Value 4	Validation	Unit
Generic								
1	CO2 based Stored Pressure wheeled fire extinguishers	Ch	Conforming to IS 16018 latest				M	
2	Scope	Ch	CO2 based wheeled fire extinguishers are larger version of the portable fire extinguishers.				M	
3	Nominal Charges Content capacity	Ch	6.5	9	22.5	45	G	Kg
4	Extinguishing Media	Ch	Carbon dioxide used in wheeled fire extinguishers conforming to IS 15222				M	
5	Propellants Type	Ch	Stored Pressure				M	
6	Propellent gas Name	Ch	CO2				M	
7	Suitably for the Class "B" of Fire	Ch	Yes		NO		F	
8	Suitably for the Class "C" of Fire	Ch	Yes		NO		F	
Constructional								
1	Cylinder Pressure Type	Ch	High Pressure Cylinders (service pressure more than 2.5 Mpa)				F	
2	Cylinder Material	Ch	Seamless Steel conforming to IS:7285 contain a maximum of 0.25 percent carbon, 0.05 percent sulphur and 0.05 percent phosphorus.		Aluminium cylinders of a seamless construction conforming to IS 15660		G	
3	Rechargebale	Ch	Yes				M	

4	Constructional requirements of complete fire extinguisher	Ch	as per clause 8 of IS :16018				M	
5	Discharge Assembly	Ch	Hose at least 4.0 m long		Hose at least 1.5 m long for less than 25 kg capacity		G	
6	Horn for carbon dioxide wheeled fire extinguisher	Ch	yes, as per clause 8.13 of IS 16018				M	
7	Wheeled Carriage Assembly	Ch	yes , as per clause 8.18 of IS 16018				M	
8	Fill density for carbon dioxide wheeled fire extinguishers	Ch	≤ 0.667 Kg/ liter				M TBD	Kg/ liter
9	Filling Tolerance for CO2 based fire extinguisher	Ch	+0 and -5 % by volume				M	%
10	Total mass of a fully charged wheeled fire extinguisher(without trolley and trailer)	Ch					17≤N≤450	Kg
11	Durability of fully charged wheeled fire extinguisher	Ch	as per clause 6.7 of IS 16018				M	
12	Electrical Conductivity of Extinguisher Discharge	Ch	as per clause 6.8 of IS 16018				M	
13	Colour for wheeled fire extinguisher bodies	Ch	Red				M	
Performance								
1	Discharge Capacity	Ch	minimum 85 percent by mass of the actual rated capacity of the extinguisher, when the extinguisher is set into operation under normal temperature conditions of 27° C ± 5°C				M	
2	Operating Temperature	Ch	+5°C to +55°C	–5°C to +55°C	–10°C to +55°C	–20°C to +55°C	G	°C
		Ch	–30°C to +55°C	–40°C to +55°C	–55°C to +55°C			
3	Effective Discharge Time	Ch	≥ 15 second		NA		M	

4	Duration of Discharge wrt capacity	N		M	second
5	Maximum service pressure (PMS)	N		M	TBD
6	Minimum Bursting Pressure	N		≥15 Mpa	Mpa TBD
Certification					
1	Marking	Ch	as per clause 9.2 of ISS	M	
2	BIS Certification Marking	Ch	yes	M	
3	CM/L Number	Ch		TBD	
4	Availability of Test Report from Central Govt./NABL/ILAC acredited lab to prove confirmity to specification	Ch	Yes	M	
5	Test Report No.	Ch		M	
6	Test Report Date	Ch		M	
7	Name of the Lab	Ch		M	
8	Address of the Lab	Ch		M	
9	Test Report to be provided to the buyer on demand	Ch	yes	M	