

Major Product category : Security surveillance & detection - UNSPSC Code 4617

Sub Category : Surveillance & detection equipment - UNSPSC Code 461716

Hand-operated sirens (Sirens) UNSPSC Code - 46171606

S.No.	Parameters		Value 1	Value 2	Whether Filter Required	Unit
Generic						
1	Hand-operated sirens	Ch	Hand-operated sirens may be conveniently adopted where it is not feasible to use the electrically operated sirens. Hand-operated sirens are used for civil defence purposes, for giving time signal in factories, workshops, schools and similar organizations. The audibility range of such sirens is limited and vary depending upon environmental conditions and it may be necessary to employ more than one siren to cover larger areas.		G	
2	Hand-operated sirens Specification	Ch	Conforming to IS:6026 latest		G	
3	Siren Assembly		Siren comprising a) Siren body with disc and handle, b) Portable stand, and c) Guard.		M	
Constructional Material & Dimensions						
1	Siren Body Material	Ch	aluminum alloy conforming to IS : 617 latest		M	
2	Rotor Material	Ch	aluminium alloy conforming to IS : 617 latest		M	
3	Gears	Ch	carbon steel conforming to IS : 4431 latest	cast iron conforming to Grade FG 200 of IS : 210 latest	F	

4	Operating Handle	Ch	cast iron conforming to IS : 210 latest	mild steel sections conforming to IS : 1977 latest	F	
5	Portable Floor-stand	Ch	mild steel tubes conforming to IS : 3601 latest		M	
6	Guard	Ch	galvanized iron wire not less than 1.6 mm diameter conforming to IS : 280 latest		M	
7	Waterproof Cover	Ch	olive green colour and conform to variety No. 2 of IS : 1424		M	
8	Shape and Dimensions		as per clause 4 of IS 6026		M	
9	Workmanship ,Finish and Cover	Ch	All forgings and castings shall be sound and free from pits, blowholes, scales, cracks and other imperfections and shall not be repaired or filled so as to hide casting defects. All burrs and sharp edges shall be removed and/or rounded and made smooth. Lubrication points shall be clearly marked by painting the words 'oil' or 'grease', as applicable, near nipples point.		M	
10	Colour		Floor stand shall be painted with fire-red paint (Shade No. 536 of IS : 5 latest). Siren body and parts shall be finished in natural colour, varnished or polished.		M	
11	Instruction Book		Yes		M	
12	Marking	Ch	Each siren shall be permanently marked with the following : Name of manufacturer or trade-mark, if any; and Year of manufacture.		a) b) M	
Performance						
1	Operation Cycle	Ch	≥ 5000 cycles		M	Cycles
2	Pitch of the Note emitted	Ch	between 300 to 1000 Hz		M	Hz
3	Sound Power output		≥ 1.5 W of acoustical power		M	Watt

4	Torque required to drive the siren		$\leq 1.5 \text{ Nm}$			Nm
Certification						
1	BIS Marking	Ch	YES	NO	G	
2	CM/L Number with Validity Period	Ch			M TBD	
3	Availability of Test Report from Central Govt./NABL/ILAC accredited lab to prove conformity to specification	Ch	Yes		M	
4	Test Report No.	Ch			M TBD	
5	Test Report Date	Ch			M TBD	
6	Name of the Lab	Ch			M TBD	
7	Address of the Lab	Ch			M TBD	
8	Test Report to be provided to the buyer on demand	Ch	yes		M	