

**(PREVIEW)**  
***Indian Standard***  
**ELECTRICAL INSTALLATIONS IN SHIPS -**  
**SPECIFICATION**  
**PART 5 SPECIAL FEATURES**  
**Section 1 Electric Propulsion Plant**

## 1 SCOPE

This standard ( Part 5/Sec 1 ) is applicable to electric propulsion machinery and plant and deals with the specifications, installation and testing of:

- propulsion motors;
- propulsion generators and their prime movers;
- electrical couplings;
- associated semiconductor convertors;
- excitation systems;
- control monitoring, instrumentation and protection equipment and systems; and
- wires and cables.

Bow and stern thrusters intended as auxiliary steering devices, all auxiliary generating plants and accumulator battery powered propulsion machinery and equipment are excluded.

**NOTE** - The requirements given in other clauses of relevant parts of IS 10242 'Electrical Installations in Ships' are also applicable to electric propulsion installations, unless otherwise mentioned in this standard. Requirements applicable to propulsion systems may also be applicable to other power consumers directly connected to the main electric propulsion system, the functioning of which may influence the propulsion or manoeuvrability of the ship.

## 2 REFERENCES

**2.1** The Indian Standards listed in Annex A are necessary adjuncts to this standard.

### ANNEX A

( *Clause 2.1* )

#### LIST OF REFERRED INDIAN STANDARDS

<i>IS No.</i>	<i>Title</i>
6362 : 1971	Designation of methods of cooling of rotating electrical machines
10242 ( Part 3/Sec 1 ) : 1983	Electrical installations in ships: Part 3 Equipment, Section 1 Generators and motors

10242 ( Part 3/Sec 2 ) : 1984

Electrical installations in ships: Part 3 Equipment, Section 2 Switchgear and controlgear assemblies