

(PREVIEW)

IS 2974 (Part 3) : 1992

## *Indian Standard*

# DESIGN AND CONSTRUCTION OF MACHINE FOUNDATIONS — CODE OF PRACTICE

## PART 3 FOUNDATIONS FOR ROTARY TYPE MACHINES (MEDIUM AND HIGH FREQUENCY)

### *(Second Revision)*

#### 1 SCOPE

**1.1** This code is primarily meant for designing framed type foundations for turbo-generators machinery. However, the provisions of this code may be used suitably for other machine foundations of similar types, for example, foundations of turbo-compressors, boiler feed pumps, etc.

**1.2** The following classification shall apply to machines based on their operating speeds:

Medium frequency	25 Hz < <i>f<sub>m</sub></i> < 50 Hz
High frequency	≥ 50 hz

#### 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>
432 (Part 1) : 1982	Specification for mild steel and medium tensile steel bats and hard-drawn steel wire for concrete reinforcement: Part 1 Mild steel and medium tensile steel bars ( <i>third revision</i> )
432 (Part 2) : 1982	Specification for mild steel and medium tensile steel bars and hard-drawn steel wire for concrete reinforcement : Part 2 Hard-drawn steel wire ( <i>third revision</i> )
456 : 1978	Code of practice for plain and reinforced concrete ( <i>second revision</i> )
1786 : 1985	Specification for high strength deformed steel bars and wires for concrete reinforcement ( <i>third revision</i> )
1893 : 1984	Criteria for earthquake resistant design of structures ( <i>fourth revision</i> )
2974 (Part 1) : 1982	Code of practice for design and construction of machine foundations: Part 1 Foundations for reciprocating type machine ( <i>second revision</i> )
2974 (Part 2) : 1980	Code of practice for design and construction of machine foundations: Part 2 Foundations for impact type machine (hammer foundations) ( <i>first revision</i> )