*Indian Standard*

# OUTDOOR TYPE THREE-PHASE DISTRIBUTION TRANSFORMERS UP TO AND INCLUDING 100 kVA 11 kV — SPECIFICATION

## PART 1 NON-SEALED TYPE

### 1 SCOPE

**1.1** This standard ( Part 1 ) specifies the requirements and tests for oil-immersed, naturally air-cooled, three-phase, double-wound non-sealed type outdoor distribution transformers of ratings up to and including 100 kVA, for use on systems with nominal system voltages up to and including 11 kV.

### 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

| *IS No.* | *Title* |
|---|---|
| IS 335 : 1983 | Specification for new insulating oils for transformers and switchgear ( *third revision* ) |
| IS 554 : 1975 | Dimensions for pipe threads where pressure tight joints are required on the threads ( *second revision* ) |
| IS 1885 ( Part 38 ) : 1977 | Electrotechnical vocabulary: Part 38 Transformers ( *first revision* ) |
| IS 2026 | Specification for power transformers: |
| ( Part 1 ) : 1977 | General ( *first revision* ) |
| ( Part 2 ) : 1977 | Temperature rise ( *first revision* ) |
| ( Part 3 ) : 1977 | Insulation level and dielectric test ( *second revision* ) |
| ( Part 4 ) : 1981 | Terminal markings, tappings and connections ( *first revision* ) |
| IS : 2099 : 1986 | Specification for bushings for alternative voltages above 1 000 volts ( *second revision* ) |
| IS : 3347 | Dimensions for porcelain transformer bushings for use in normal and polluted atmosphere: |
| ( Part 1/Sec 1 & 2 ) : 1979 | Part 1 Up to and including 1 kV bushings, Section 1 Porcelain parts, and Section 2 Metal parts |
| ( Part 2/Sec 1 & 2 ) : 1979 | Part 2 3.6 kV bushings, Section 1 Porcelain parts, and Section 2 Metal parts |
| ( Part 3/Sec 1 &2 ) : 1982 | Part 3 12 and 17.5 kV bushings, Section 1 Porcelain parts, and Section 2 Metal parts |
| IS 7421 : 1974 | Specification for porcelain bushings for alternating voltages up to and including 1 000 V |
| IS 8999 : 1979 | Gauging practice for pipe threads where pressure tight joints are required on the threads |
| IS 10561 : 1983 | Application guide for power transformers |