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**Technical guidelines for the application of coaxial turbine units
in metallurgical waste heat and pressure energy recovery**

冶金余热余压能量回收同轴机组应用技术指南

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Foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for standardization work Part 1: Structure and drafting rules for standardization documents" Drafting.

Please note that some of the contents of this document may involve patents. The issuing organization of this document does not assume the responsibility for identifying patents.

This document was proposed by the China Iron and Steel Association.

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Application of coaxial unit for metallurgical waste heat and pressure energy recovery
Technical Guide

1 Scope

This document provides the basic principles, application scenarios, application effects, equipment selection, and clinical application of coaxial units for metallurgical waste heat and pressure energy recovery.

Technical guidelines for speed limit, noise control and equipment operation and maintenance.

This document is applicable to the coaxial unit technology involving the recovery and utilization of waste heat and waste pressure in the metallurgical field, and can be used as a reference in other fields.

2 Normative references

GB/T 755

GB/T 1029

GB/T 1032

GB/T 2888

GB/T 3766

GB/T 3836.1

GB/T 4208

GB/T 8542

GB/T 28246

GB/T 28574

GB/T 50087

GB 50584-2010

3 Terms and definitions

The following terms and definitions apply to this document.

3.1 Coaxial turbine units

A unit driven by two or more energy sources, with the same or different speeds, and working on the same axis.