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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 32797-2016

**Cogeneration systems -- Technical declarations for planning,
evaluation and procurement**

热电联产系统 用于规划、评估和采购的技术说明

(English Translation)

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Foreword

This standard is drafted in accordance with the rules given in GB/T 1.1-2009.

This standard uses the translation method equivalent to ISO 26382.:2010 "Technical specification for CHP for planning, evaluation and procurement".

This standard is proposed by the China Machinery Industry Federation.

This standard is under the jurisdiction of the National Gas Turbine Standardization Technical Committee (SAC/TC259).

The drafting of this standard. Zhejiang Electric Power Design Institute, Nanjing Gas Turbine Research Institute, China United Engineering Company, Hangzhou Huadian Xiasha Thermal Power Limited company.

1 Scope

This standard provides technical specifications for the planning, evaluation and procurement of simultaneous cogeneration systems for the provision of electricity, heat and/or cold.

This standard applies to the identification of research content in the project evaluation, the main information on CHP system assessment and cogeneration system procurement jobs.

This standard also specifies the necessary inspection items during the planning of the cogeneration system, providing a project for the realization of the project cogeneration system Reasonable configuration of the program, and contains a detailed development steps of the detailed flow chart.

2 Normative reference documents

The following documents are indispensable for the application of this document. For dated references, only the dated edition applies to this article Pieces. For undated references, the latest edition (including all modifications) applies to this document.

GB/T 19829.2-2005 Oil and gas industry life cycle cost analysis Part 2. Methodology and calculation methods Application Guide (ISO 15663-2.:2001, IDT)

3 Terms and definitions

The following terms and definitions apply to this document.

Assets

The resources owned by an organization are often used to generate revenue or add value.

Auxiliary heat source and/or cold source auxiliaryheatingand/orcoolingsources Installed in the cogeneration system, on-demand additional heat and/or cooling equipment.

Such as steam boilers and/or hot water boilers, direct-fired absorption chillers/heaters and motor-driven equipment.

Availability

Within the specified time period (usually a calendar year), the CHP system generates electricity, heat and/or cold total time shares as required.

Capital expenditure Used to purchase, install and commission a capital asset.

[ISO 15663-1.:2000, definition 2.1.6] 3.5 Cogeneration system CGS at the same time as the power generation, the use of engine or prime mover exhaust, row (pumping) steam or waste heat to produce heat and/or cold facilities.