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

GB 26164.1-2010

**Safety code of electric power industry - Part 1: Thermal and
machine**

电业安全工作规程 第1部分：热力和机械

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Foreword

In addition to this section in Chapter 2, Chapter 4 4.2,4.3,4.4, Appendix A, Appendix C, Appendix D and other provisions are recommended, the rest are strong Compulsory. GB 26164 "electrical safety work order" is divided into three parts.

--- Part 1. Thermal and mechanical;

--- Part 2. power plants and substations;

--- Part 3. power lines. This section GB Part 126 164 in. This section drafted in accordance with GB/T 1.1-2009 given rules. This section is proposed and managed by the China Electricity Council. This section drafted by: Datang Power. The main drafters of this section. An Hongguang, Liu Xixiang, Lixin Peng, Xiang Jianwei, Tang Yong, Zeng Fang, Liu Yinshun, Du steel, Zhao. Electrical safety regulations Part 1. Thermal and mechanical

1 Scope

GB 26164.1-2010 is the Chinese national standard on safety code of electric power industry - part 1: thermal and machine, in the field of energy and heat transfer engineering.

It carries no /T suffix, which in the Chinese system means compliance is mandatory: a product or a practice within its scope has to meet it to be lawfully made, sold or carried out in China. It was issued on 14 January 2011 by the General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China; Standardization Administration of China, and has been in force since 1 December 2011. Classification: ICS 27.100, CCS F25. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

This section provides thermal and mechanical operations personnel engaged in the production of electricity basic safety requirements at the production site or at work. This section applies to all persons associated personnel engaged in the production of electricity and electricity into the production site.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version suitable for use herein Member. For undated references, the latest edition (including any amendments) applies to this document.

GB/T 3608 high job rating Management

GB/T 3787 hand-held power tool, use, inspection and maintenance safety technical regulations

GB 4387 industrial enterprises in railway and road transport safety regulations

GB/T 6067 crane safety regulations GB 6095 belts

GB 12348 industrial enterprises of environmental noise emission standard plant boundary

GB/T 19155 operations basket height

GB 50016 architectural design code for fire protection

GB 50229 fire protection design of power plant and substation DL408 electrical safety regulations (power plants and substations electrical parts) DL409 electrical safety regulations (power line section) Supervisory Regulations DL612 Power Industry Boiler and Pressure Vessel DL/T 651 hydrogen-cooled generator hydrogen humidity of the technical requirements DL5027 Typical fire power equipment regulations

3.1 General

3.1.1 Electricity production must adhere to the "safety first, prevention, comprehensive management" approach. New construction, renovation, expansion project safety facilities With the main project must be designed, constructed and put into production and use.

3.1.2 Electricity production must establish and improve production safety responsibility system at all levels. In accordance with the principle of "pipe production must control security", so that the count Planning, layout, inspection, review, assessment of production work, plan, layout, inspection, review, assess security.

3.1.3 engaged in various construction projects of power engineering design, construction, installation, supervision, commissioning, operation and electricity production, inspection and testing Officers, should have all or the relevant part of this section.

3.1.4 Command violations of safety regulations at all levels of leadership should not be made. Staff ordered to violations of safety regulations, enforcement should be rejected Row. No staff except their own strict implementation of this section, has the responsibility to supervise the observance of the surrounding parts. If found in violation of this Part Points, and likely to endanger the safety of persons and equipment, should immediately stop.

3.2 Plant layout and the workplace

3.2.1 Plant site shall be subject to security conditions argument, reasonable overall layout. Upon completion, the safety facilities should be subject to final acceptance.

3.2.2 factories and other major buildings and structures must be checked regularly, the structure should not tilt, cracks, weathered, staying, corrosion phenomena door Windows and lock should be complete, makeup and other attachments plate fixation.

3.2.3 cold areas of the plant, chimneys, towers, etc. ice downpipe, should be promptly removed to prevent the structure falling wounding or crushed buildings. If you do not To remove, take safety precautions. Plant allowed to pile up objects on the roof of the accumulation of dirt, snow, ice should be promptly removed. Plant construction Was the top of the exhaust gate, water gate, because the pipeline should be no steam leakage, water leakage caused severe icing, crushed against the roof.

3.2.4 The road should keep the plant open. Outdoor equipment path, plant the main road there is snow, it is timely cleaning, outdoor work Slippery places the lot shall Spreading sand or other non-slip anti-slip. Environmental noise

3.2.5 plant community should be consistent with GB 12348 of the relevant provisions.

3.2.6 Design of the plant fire facilities shall comply with GB 50229 and the relevant provisions of the DL5027.

3.2.7 flammable, explosive, toxic and dangerous, noisy and the surrounding environment may have contaminated equipment, facilities, venues, in conformity with the relevant Technical standards under the premise, should stay away from places where people gather.

3.2.8 workplaces must comply with a lighting illumination. The main control room, it is important meter, the main staircase, passage and other locations, you must set Have emergency lighting. Workplace should be equipped with emergency lighting. Cable

mezzanine height of less than 2.5m, the tunnel should be safe voltage.

3.2.9 Indoor channel should always be kept clear, the ground should be kept clean.

3.2.10 All staircases, platforms, channels, railings should be kept intact, the plate must be laid firmly. Iron surface texture should prevent slip. In the initial stage stairs should be obvious safety warning.

3.2.11 doorway, passage, stairs and platforms, etc., are not allowed to place debris; cables and pipes should be laid on the floor was often accepted; Provisional placed predisposes stumble object (such as wire rope, etc.) on the floor, it must set a clear warning sign. When the aisle there is a high 2m below the object, you must set a clear warning sign. The ground water, dirt, etc., should be removed to prevent slip.

3.2.12 workplace wells, pits, holes, holes or channels must be flush with the ground covered with sturdy cover. In the maintenance work for the cover Remove, must have a solid temporary fencing, and a clear warning sign. Temporary hit the hole, after the end of the hole, the construction must be restitution.

3.2.13 All hatchways, the size of the holes, stairs and platforms to be fitted with not less than 1050mm high railing and not less than 100mm High leg shield. Ground clearance is higher than the 20m platform, guard rails and channel workplace should not be less than 1200mm. As in check During the repair will require removal when the railing must be securely installed temporary cover bar, and a clear warning sign. And at the end of the railing immediately overhaul Replace. Original railing height 1000mm or 1050mm from time to make changes.

3.2.14 all above the ground, the platform 1.5m, need regular operation of the valve must be provided with easy to operate, reliable ladder or platform.

3.3 Staff conditions and personal protection

3.3.1 newly recruited staff should be subject to medical examination qualified. Staff at least two years to conduct a physical examination. Persons suffering from discomfort Acted as thermal and mechanical production staff working conditions, identified by doctors and approved by relevant departments, should be reversed to engage in other work.

3.3.2 enterprises must plant (the company) for all new employees, workshop (department), team (post) tertiary safety education and training to inform job Site work and risk factors exist, preventive measures and emergency measures, according to this section and other relevant safety code requirements After passing the examination before induction operation. Adjustment of staff positions, before the appointment must learn the relevant part of this section, and after passing the examination before Posts.

3.3.3 foreign visitors, the site must be informed of the risk of harmful factors and under accompanied by relevant personnel before entering the scene. Correct Foreign temporary