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NB

**ENERGY INDUSTRY STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

NB/T 20259.2-2021

Replacing NB/T 20259.2-2014

**Code of valuation on bill of quantities of nuclear power plant
construction works - Part 2: Construction works**

核电厂建设项目工程量清单计价规范 第2部分：建筑工程

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Foreword

This document was issued on 7 January 2021 by the National Energy Administration of the PRC and takes effect on 1 July 2021.

It is a NB/T standard: recommended rather than compulsory, but it is the text a Chinese reviewer applies when assessing a submission.

It is classified under ICS 01.040.27, Chinese classification F 02.

It replaces NB/T 20259.2-2014, which is superseded.

This code has been prepared under the Notice of the General Department of the National Energy Administration on the issuance of the 2017 plan for the formulation and revision of energy industry nuclear power standards and of the plan for the translation and publication of the English versions of nuclear power standards (Guo Nei Zong Han Ke Ji [2017] No. 136). Under that plan, NB/T 20259-2014, Code of valuation on bill of quantities of nuclear power plant construction works, has been comprehensively revised.

NB/T 20259-2021, Code of valuation on bill of quantities of nuclear power plant construction works, consists of one set of general rules and five sets of specialized particular rules. The code is divided into six parts in total.

Part 1: General rules.

Part 2: Construction works.

Part 3: Process equipment and piping installation works.

Part 4: Ventilation and air conditioning works.

Part 5: Electrical equipment installation works.

Part 6: Automation control and instrumentation installation works.

The present document is Part 2 of NB/T 20259.2-2021, Code of valuation on bill of quantities of nuclear power plant construction works: Construction works, hereinafter referred to as this part.

This part was released by Announcement No. 1 of 2021 of the National Energy Administration. The date of approval is 7 January 2021 and the date of implementation is 1 July 2021.

This part was proposed by the Nuclear Power Standardization Technical Committee of the Energy Industry.

This part is under the administration of the Nuclear Industry Standardization Research Institute.

The chief drafting organizations of this part are: China General Nuclear Power Engineering Co., Ltd.; Electric Power Planning and Engineering Institute; China Nuclear Power Engineering Co., Ltd.

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This part supersedes NB/T 20259.2-2014, which is withdrawn on the date this part takes effect.

Position of Part 2 Within the NB/T 20259 Series

NB/T 20259 is a multi-part energy industry standard governing the preparation and pricing of bills of quantities for nuclear power plant construction projects in the People of China Republic, issued by the National Energy Administration.

Part 1 carries the general rules that apply to the whole series, while Parts 2 to 6 carry the particular rules for each engineering discipline.

This part, Part 2, covers construction works, that is, the civil and building works of a nuclear power plant construction project.

Within this part the material is divided into two self-contained parts: Part One deals with nuclear island construction works and Part Two with conventional island construction works.

Each of the two parts carries its own chapters on scope, normative references, terms and definitions, general provisions, and item setting and quantity calculation rules.

Each of the two parts is then followed by its own series of annexes, which carry the bill of quantities item tables for the individual trades.

Item codes in the nuclear island annexes are prefixed with the letter N, running from N-JA to N-JZ. Item codes in the conventional island annexes are prefixed with the letter C, running from C-JA to C-JZ.

The letter Z at the end of a code group identifies the measure items, that is, the items covering the technical, organizational, safety and environmental measures needed to carry

out the physical works rather than the permanent works themselves.

The document closes with an explanation of the wording used in the code, which sets out how the degrees of obligation attached to the drafting verbs are to be read.

Because the two parts are laid out in parallel, a quantity surveyor working on the nuclear island and one working on the conventional island each use a single, consistent structure of chapters and annexes.

1 Scope

NB/T 20259.2-2021 is the Chinese code for the bill of quantities and its valuation in the construction works of a nuclear power plant, the second part of the NB/T 20259 series. Where the estimation norms of the NB/T 20358 and NB/T 20580 series fix how much a unit of work should consume, this code fixes how the work is measured, itemised, tendered and paid. The two are complementary and a Chinese nuclear contract needs both: the norm supplies the rates, the valuation code supplies the rules of the game. Civil works on a nuclear site are unlike ordinary construction in ways that show up directly in the commercial terms. The containment and the safety-related buildings are concrete structures built to nuclear quality assurance, where a rejected pour or a repaired reinforcement splice has consequences that ripple through the programme; the site is shared by many contractors working in sequence in a confined area; and the schedule is set by the nuclear island, so delay in the civil works is delay to the whole plant. This code sets out how the bill is prepared - the itemisation of work sections and trades, the measurement rules, the treatment of preliminaries and of provisional and prime cost sums - and how it is valued, covering the tender price, the contract price and its adjustment, measurement of completed work, interim payment, the final account, and the settlement of disputes. It was issued on 7 January 2021 by the National Energy Administration, took effect on 1 July 2021, and replaces the 2014 edition.

Part One Nuclear Island Construction Works - General Chapters

Part One opens at page 1 and runs through to page 119 of the printed standard, immediately before the beginning of Part Two.

Chapter 1, Scope, states the field of application of the nuclear island rules and the types of construction works to which they apply.

Chapter 2, Normative references, lists the documents that are referred to in the text of Part One and that are indispensable for its application.

Chapter 3, Terms and definitions, establishes the vocabulary used throughout the nuclear island rules.

Chapter 4, General provisions, sets out the rules that apply across all trades: the way bill of