



NEK

Technical Specification

Production of documentation, elements, and assembly

Storage Racks in Newly Built Facilities at NEK's Outside-the-Fence Storage Site

Krško Nuclear Power Plant

SP-D3027

Revision 1

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"Non-Safety Related"

Jože Kerin

Date: 5.8.2026

(Author)

Toni Udovč / Robert Grubič

Date: 5.8.2026

(Reviewed)

Peter Jan

Date: 05/08/2026

(Approved)



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1.0 INTRODUCTION AND DESCRIPTION OF THE SERVICE

1.1 Introduction

NEK will rearrange the facilities at its outside-the-fence storage site.



Location of facilities

The facilities are located outside the technological part of the power plant, at NEK's outside-the-fence storage facility, within NEK's protected zone.

- | | |
|---|------------------------------|
| A | Receiving building |
| B | Spare parts warehouse |
| C | Consumables warehouse |
| D | Manipulative platform |
| E | Material reception |



F	Canopy for receiving materials
G	Canopy for bulk materials
H	Spare parts warehouse
I	Large component assembly hall
J	Scaffolding hall
K	Consumables warehouse
L	Platform
M	NEK Training Center
N	Cable storage
O	Battery charging station, forklift space

Storage racks will be installed in buildings B, C, and K.

The specification outlines requirements for the design, manufacture, installation, and handover of racks.

1.2 Description

The new storage facilities are located at the NEK's outside-the-fence site, in newly built facilities.

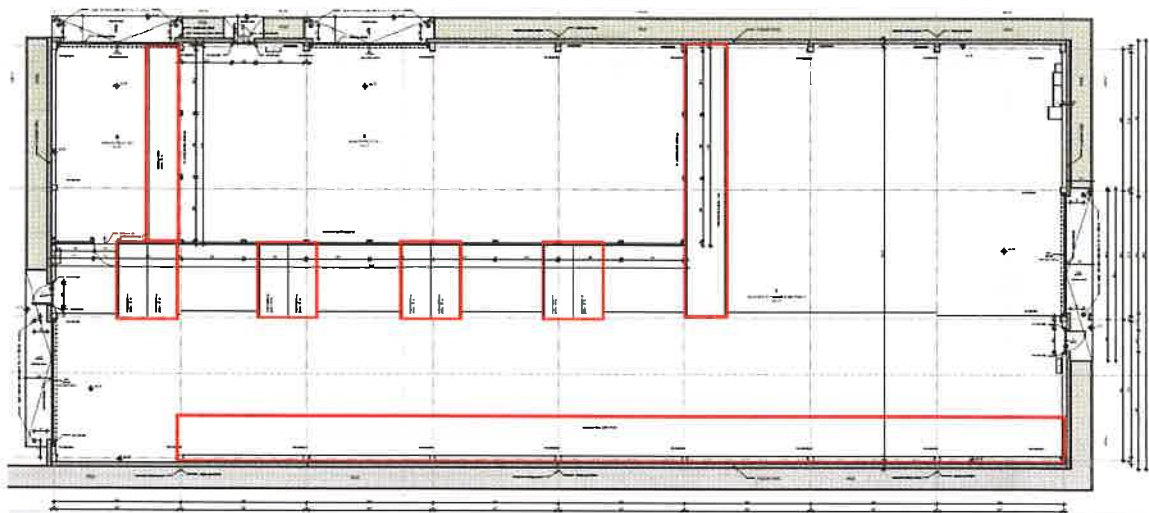
Facility K

Approximately 91 linear meters of shelving are planned for facility K.

The planned cantilever storage racks, in combination with multi-directional forklifts - forward/reverse and sideways use (wheels turn in place), enable optimal use of storage space (smaller transport routes, smaller aisles between racks, use of height, no vertical columns, suitable for storage/manipulation of all types of goods stored in the NEK warehouse).

Purpose of use of the facility:

- warehouse for written-off assets (FIN)
- training room on a Steam Generator model (TO.VZ – Maintenance)
- warehouse for goods for modification purposes (ING.MOD) – a space without shelves is intended for storing goods of non-standard dimensions and preparing goods before installation.



Facility K Floor Plan

Facilities B and C

In facilities B and C, approximately 861 linear meters of shelving are planned, of which 591 are in facility B and 270 linear meters of shelving are in facility C.

The planned cantilever storage racks, in combination with multi-directional forklifts – forward/reverse and sideways use (wheels turn in place), enable optimal use of storage space (smaller transport routes, smaller aisles between racks, use of height, no vertical columns, suitable for storage/manipulation of all types of goods stored in the NEK warehouse).

Purpose of use of the facility:

- Facility B – spare parts warehouse
- Facility C – warehouse for consumables
 - C1 – pipes, profiles, sheets ... STAINLESS STEEL;
 - C2 – pipes, profiles, sheets ... BLACK;
 - C3 – TO.KM/RZ (Chemistry/Radiation Protection) equipment, TTC containers, RAO – radioactive waste drums



Facility B, C Floor Plan

2.0 SCOPE OF SERVICES

In accordance with this specification, the project documentation prepared by IBE d.d., Project No. NEKZS-B056/386, and the inventories in the attachment:

2.1 NEK orders for Facility B

1. Package: Preparation of technical documentation, for each rack separately with declarations of conformity (statics – prescribed method of assembly/installation/placement, with all details).
2. Package: Production of rack components, trial installation in accordance with SIST EN 1090-1 and SIST EN 1090-2, of steel structures, and anti-corrosion protection.
3. Package: Installation/placement of racks, in accordance with technical documentation and equipped with information signs/boards and instructions for use, prescribed by the SIST EN 15635:2009 standard.
4. Package: Inspection and acceptance of the rack structures by an independent external inspector, a rack structure specialist, who will confirm compliance with all requirements



for the rack in question and issue a report or inspection certificate, thereby granting a permit for the safe use of the rack structures.

5. Package: Handover of each rack, which includes a visual inspection, functional test, and handover of the Book (Instructions for the use and maintenance of rack structures for the rack), which contains the collected documentation from Packages 1, 2, 3, and 4.

2.2 NEK orders for Facility C

1. Package: Preparation of technical documentation, for each rack separately with declarations of conformity (statics – prescribed method of assembly/installation/placement, with all details).
2. Package: Production of rack elements, trial installation in accordance with SIST EN 1090-1 and SIST EN 1090-2, of steel structures, and anti-corrosion protection.
3. Package: Installation/placement of racks, in accordance with the technical documentation and equipped with an information sign/board and instructions for use, prescribed by the SIST EN 15635:2009 standard.
4. Package: A complete inspection/acceptance of the rack structures by an independent external inspector, a rack structure specialist, who will confirm compliance with all requirements for the rack in question with a report/inspection certificate and thereby issue a permit for the safe use of the rack structures.
5. Package: Handover of each rack, which includes a visual inspection, functional test, and handover of the Book (Instructions for the use and maintenance of rack structures for the rack), which contains the collected documentation from Packages 1, 2, 3, and 4.

2.3 NEK orders for Facility K

1. Package: Preparation of technical documentation, for each rack separately with declarations of conformity (statics – prescribed method of assembly/installation/placement, with all details).
2. Package: Production of rack elements, trial installation in accordance with SIST EN 1090-1 and SIST EN 1090-2, of steel structures, and anti-corrosion protection.
3. Package: Installation/placement of racks, in accordance with the technical documentation and equipped with an information sign/board and instructions for use, prescribed by the SIST EN 15635:2009 standard.
4. Package: A complete inspection/acceptance of the rack structures by an independent external inspector, a rack structure specialist, who will confirm compliance with all requirements for the rack in question with a report/inspection certificate and thereby issue a permit for the safe use of the rack structures.



5. Package: Handover of each rack, which includes a visual inspection, functional test, and handover of the Book (Instructions for the use and maintenance of rack structures for the rack), which contains the collected documentation from Packages 1, 2, 3, and 4.

2.4 Cancellation of order

The Purchaser may cancel the shelving order for any individual facility at any time, or reduce the size or number of shelves in that facility.

3.0 SERVICE SAFETY CLASSIFICATION

The service ordered in accordance with this Technical Specification does not fall into the safety class (it is Non-Safety Related).

4.0 INPUT REQUIREMENTS

4.1	GENERAL TECHNICAL CONDITIONS
	The works are carried out in accordance with the project documentation No. Project NEKZS-B056/386 and the inventories in the Attachment, prepared by IBE d. d.
0.1.1	The Contractor undertakes to comply with the applicable legislation governing the construction of buildings in the Republic of Slovenia, including related implementing acts, regulations, technical guidelines, standards, professional rules, and good construction practice.
0.1.2	The work may only be carried out by a Contractor who is registered to perform construction activities, has appropriate damage insurance and certificates, has technically trained personnel and resources, and is qualified to independently prepare and carry out the work.
0.1.3	The Contractor is responsible for the quality of all work.
0.1.4	The Contractor is responsible for all accidents and damages that happen at the facility or nearby due to his work.
0.1.5	Before submitting a bid, the Contractor is obliged to familiarize himself with the area planned for construction and adapt all necessary work to it, which must be included in the bid.
0.1.6	Before submitting a bid, the Contractor must review the project documentation and any other conditions included in the bid documentation. In the event of any errors or discrepancies, the Contractor is obliged to notify the Purchaser of this before submitting the bid.
0.1.7	Before submitting a bid, the Contractor is obliged to check the adequacy of the lists of works and quantities and their compliance with other project documentation included in the bid documentation.



0.1.8	Before submitting the bid, the Contractor must verify the products and totals in this inventory and their transfer to the recapitulation. When preparing the bid, the Contractor agrees to have read all cells and components of the entire inventory, including all items and general instructions or provisions, and to have checked the accuracy of the calculations, thereby ensuring the bid value.
0.1.9	The Contractor will have to carry out the work in accordance with the submitted project documentation, taking into account the instructions and confirmations of the designer, supervisor, and investor. All necessary workshop documentation will be provided by the Contractor within the scope of the offered price.
0.1.10	Before performing individual tasks, the Contractor must review the construction project documentation (PZI). The Contractor should inform the supervisor and the designer of any errors or discrepancies found in the documentation or between individual plans, such as work lists, technical reports, location details, and technical diagrams, and coordinate promptly with them.
0.1.11	Technical descriptions, illustrations, details, diagrams, and other documents in the PZI documentation constitute an additional description of the inventory items and must be consistently taken into account alongside the inventory of works.
0.1.12	The specifications and requirements listed in the inventory should not be considered as the only requirements. The Contractor is obliged to include in the price and supply all elements of equipment and to perform works and services that are not explicitly listed but are essential for the functionality, compliance with regulations, and the continuous, reliable, and safe operation of the equipment.
0.1.13	All work must be carried out with quality, using materials with the required properties, in accordance with applicable legislation, and by following the installation instructions for the selected materials and equipment, and by submitting the prescribed declarations of properties and/or certificates. All construction products (CP) must be marked with the CE mark.
0.1.14	For each work item described in the inventory, it is necessary to account for the entire required work, all basic and auxiliary materials, transportation of materials and tools to the facility, internal transport, working and auxiliary scaffolding, final cleaning, and waste removal after the work is completed.
0.1.15	All work equipment, organization and coordination of work, preparatory, accompanying and finishing work, necessary assembly and sealing materials, and substructures are an integral part of individual items/positions.
0.1.16	The uniform prices of individual items must also include or take into account the following: - preparation of assembly technical documentation, implementation details, and all other necessary workshop documentation, and obtaining mandatory approval from the designer, supervisor, and investor; - elimination of all types of installation collisions and their coordination at the installation site, all to the extent that does not affect the designed solution or type of installations or equipment; - preparation of assembly sketches and details for implementation in agreement with the construction manager and supervisor;



	- production and presentation of samples in the appropriate size for confirmation by the designer, supervisor, and investor. - coordination of works with other contractors or subcontractors, designers, supervisors, and investors in the mutual coordination of the construction site organization and the work schedule, and in the coordination of the preparation of the assembly plan, approved by all construction participants; - costs of coordination, cooperation, and harmonization with suppliers of all other equipment and with all other suppliers or subcontractors at the facility; - ensuring safety and health at work, particularly the implementation of all work and measures stemming from the provisions of applicable occupational safety regulations and the requirements of the Safety Plan; - costs of guarantees that the Contractor must submit to the Purchaser; - testing the quality of the material being installed and proving quality with certificates or technical approvals; - cooperation with construction and design supervision providers and the investor to carry out a technical inspection and prepare the handover, which must contain all required documentation, in particular: declarations of conformity, fire certificate and other certificates and mandatory tables, proof of building reliability (DZO), certificates and attestations for installed materials and equipment, test and measurement records, instructions for use and maintenance and all other documents in accordance with regulations and contractual provisions.
0.1.17	The uniform prices of individual items relating to equipment and individual systems must also include or take into account the following: - supply or transport, - costs for all work machines for lifting loads and work baskets for access to work sites; - installation, including auxiliary installation material (connecting, sealing and fastening material, anchors, supporting profiles, substructures, and the like) and manufacturer's instructions, - training of users or maintenance personnel in the use and maintenance of the systems, - operating and maintenance instructions, - all necessary certificates, declarations of conformity or attestations, and - all other auxiliary work and material to ensure the functionality of the individual inventory item.
0.1.18	All scaffolding must be included in the unit prices of the listed items, except for those specifically listed.
0.1.19	All working and auxiliary scaffolding, ladders, and other necessary auxiliary equipment, as well as the cleaning of all elements after the work is completed, must be included in the uniform prices of the listed items, except for those that are specifically listed.
0.1.20	The uniform prices of the items must also include the production of all types of structural reinforcements and similar work that ensure high-quality installation and are not specifically listed in the list of works. The offer must include all minor mechanical and electrical installation work and transport.
0.1.21	All metal elements and structures that could be exposed to atmospheric and other corrosive influences must be adequately protected against corrosion.

0.1.22	For all larger steel parts, appropriate grounding must be provided in accordance with regulations, invisibly attached and connected to the facility's general grounding.
0.1.23	For all visible and serial elements, prior coordination of finishes, colors, and materials with the designer is mandatory, based on delivered samples in the appropriate sizes. Verification of actual dimensions on site and subsequent adjustment of the elements and their installation is mandatory.
0.1.24	Individual items on the inventory list specify the manufacturers and/or types of individual systems, materials, or equipment, which precisely define the required technical characteristics. The Contractor may offer a replacement system, material, or equipment from another manufacturer and type, provided that the technical characteristics of the alternative are equivalent to or better than those specified in the inventory, and their dimensions do not exceed the designed dimensions. The Contractor must demonstrate all functional and technical characteristics of the replacement systems, materials, or equipment with suitable documentation. All potential consequences of changes to systems, materials, or equipment, including any modifications to the project documentation, are the responsibility of the Contractor in terms of cost and time.
0.1.25	Any replacement, use, and final selection of replacement systems, materials, products, and equipment must be confirmed in writing by the designer, supervisor, and investor in a timely manner (prior to delivery and installation).

4.2 Description

Cantilever rack

The construction consists of solid, robust, hot-rolled iron profiles.

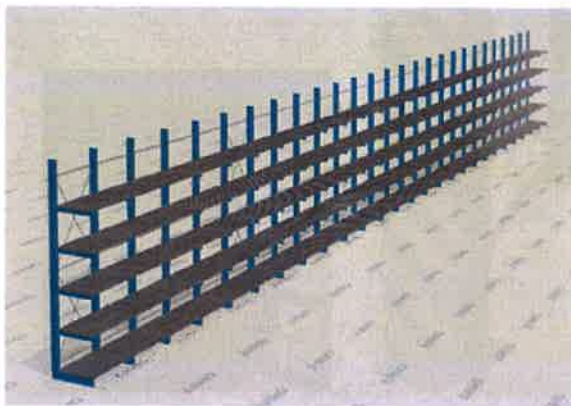
The main components (columns, heels, support brackets) are powder-coated.

All other components are galvanized.

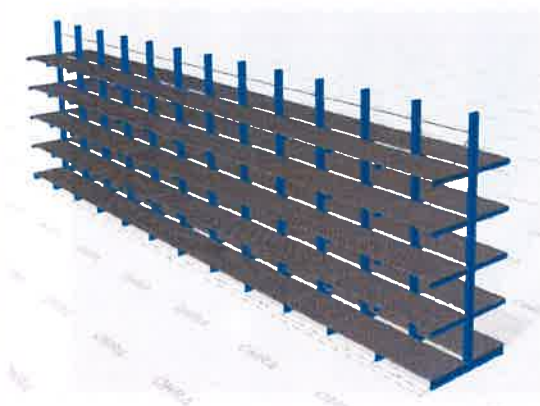
Shelving for outdoor use is hot-dip galvanized.

Enostranski konzolni regal

Dvostranski konzolni regal



Single-sided Cantilever Rack



Double-sided Cantilever Rack

The racks are of different types due to different depths, but all have the required rack height = 7 m.
Load capacity: 1000 kg lower shelves and 500 kg upper shelves - depending on the number of shelves - varies and is presented in the List of Works for each facility or rack.



When dimensioning the rack structure, in addition to permanent effects, it is necessary to account for seismic effects for the Krško location (design acceleration $a_g = 0.275 \text{ g}$) in accordance with SIST EN 1998-1.

When anchoring the racks, it is necessary to take into account that the facility will have a 25 cm-thick floor slab made of C30/37-quality concrete, according to SIST EN 1992-1-1.

The permissible deformations of the supporting beams are $l/500$.

All racks in facilities B, C3, and K are equipped with galvanized mesh filling.

Requirements for load-bearing suspension consoles

- Height adjustment grid of 100 mm.
- Must be attached to the supporting column and must move freely.
- Must allow quick and easy attachment and detachment.
- The clamping claws must be made of high-quality, forged, and hardened material.
- The consoles must not have any impact edges at the contact plates on the support console's surface to prevent damage to stored goods.
- Rounded ends must be made at the end of the console.
- Discharges must be prepared for the installation of protective spikes to prevent material from falling out.
- It must include a space for an adjustment screw intended for leveling the storage surface.

Requirements for support columns / Heels with tire damage protection

- Standard double-sided perforation 100 : 100 mm). The column and the heel must be connected continuously with screws and nuts, allowing a large storage area on the heel without additional edges. This way, the stored goods do not suffer any damage.
- Easy column replacement during warehouse reconstruction or rack repair.
- Protection against tire damage with rounded edges on the heel end.





4.3 Conditions for carrying out work at NEK

- When performing the work, NEK procedures must be followed, including occupational safety, fire protection, handling of hazardous substances, work order process, and safety culture. If these procedures are not followed, the work may be halted, and the Purchaser will assume no financial responsibility.
- The construction site will be arranged in accordance with the Safety Plan within the previously planned boundaries.
- The Contractor is responsible for order and cleanliness. Excess material and waste are sorted and promptly removed. After completing daily work, the site must be cleaned. Containers for separate waste collection must be installed. If the site is not cleaned daily, NEK may order cleaning at the Contractor's expense and calculate the costs in the first monthly statement. The Contractor will remove auxiliary facilities on the site upon completion of work and before the final statement is issued.
- After commencement of work, the Contractor will secure the transferred land necessary for the execution of the works in such a way that the execution of the works by third parties is not disturbed in accordance with the Rules on Construction Sites (55/2008).
- The fence around the construction site must be made of a metal material that allows an external view of the construction site.
- The Contractor can set up appropriate changing rooms for his workers at the outside outage premises at NEK.
- The Contractor shall develop a Safety Measures Program covering all construction phases, including traffic management, site management, material supply, and removal of excess materials. Planning and coordination must ensure that the power plant's normal operation remains unaffected and that access points for interventions remain clear.
- Construction operations at the construction site are conducted in Slovenian.
- Work is carried out between 6:00 AM and 5:00 PM on weekdays, and outside of these times by prior agreement with NEK.
- Only hazardous chemicals (substances) that have been previously approved are allowed on the construction site. All hazardous chemicals must have safety data sheets attached. The materials may only be brought in their original packaging.
- All quality certificates must be submitted in advance for all installed materials. Installation will not be permitted without them. Where required, samples for control tests ordered by the investor must also be submitted. The investor can take samples from the material manufacturer before delivery.

Documentation must be submitted for all machines and tools before work begins. The engineer in charge of occupational safety and the occupational safety coordinator II will inspect and approve use before work begins.

4.4 Work organization

- The Contractor will ensure that the work is carried out by properly qualified workers in accordance with professional standards.
- The Contractor will make sure enough workers are trained to give first aid.



- The Contractor will ensure that all workers are equipped with appropriate personal protective equipment.
- The Contractor will ensure that workers attend training courses before the start of work in accordance with NEK procedures (basic, fire watch, work at height, load lashing and lifting). The courses are organized by NEK and are free of charge.
- The Contractor will provide appropriate machinery, materials, and tools to carry out the installation.
- The Contractor will allow the Purchaser or the authorized supervisory authority at the NEK construction site to review the documentation required by Slovenian law and to conduct inspections at the facilities that produce materials for the Purchaser.
- The Contractor agrees not to rotate or replace any employee without the prior approval of the Purchaser. The Contractor also agrees not to replace any subcontractor already working under this contract without the Purchaser's prior approval.
- The Contractor will prepare a construction site organization plan.
- The Contractor holds a daily morning planning meeting, where the planned daily activities are presented, and important notices or warnings for the ongoing work are distributed. The following must be present at the meetings:
- All requirements also apply to all subcontractors at all subcontracting levels.

The Contractor is responsible for all his employees and subcontractors' employees as if they were his own, and is therefore considered to have personally fulfilled (or failed to fulfill or breached) each individual obligation under this contract, regardless of whether it results from his actions or those of his subcontractors.

Subcontractors are not permitted to perform any work on the Purchaser's premises until the Purchaser has given consent to their engagement, which the Contractor must consider when engaging subcontractors in a timely manner. If, as a result of this, there is a delay in work performance, it will be deemed a delay by the Contractor, and the Purchaser will apply all penalties specified in this contract.

5.0 APPLICABLE NEK PROCEDURES

The Contractor must follow NEK procedures and his own procedures as part of his QA program, which must comply with ISO 9001:2008.

SP-J specifications:

- | | |
|-------------|---|
| a) SP-J100a | Reinforced concrete including formwork |
| b) SP-J101a | Placement of reinforcing steel |
| c) SP-J102a | Erection of structural steel |
| d) SP-J103a | Waterproofing |
| e) SP-J104a | Erection of Miscellaneous steel |
| f) SP-J105a | Reinforcing bar splices (Sleeves with filler metal splices) |
| g) SP-J300a | Fabrication and delivery of reinforcing steel |
| h) SP-J301a | Fabrication and delivery of structural steel |
| i) SP-J302a | Embedment and anchor bolts |



ADP – Administrative procedures:

- a) ADP 1.0.500 Fire Protection Program – Fire Code
- b) ADP 1.1.033 Occupational safety and health at NEK (Krško Nuclear Power Plant)
- c) ADP 1.14.002 Effective provision of occupational safety and health at NEK

6.0 APPLICABLE REGULATIONS AND STANDARDS

A) Building Act GZ-1: Building Act (GZ-1) Official Gazette of the Republic of Slovenia (OGRS), No. 199/21, 105/22 – ZZNŠPP, 133/23, 85/24 – ZAID-A, 47/25 – decision of CC and 75/25 OGRS No. 199/21 and 105/22 – ZZNŠPP)

B) By-laws:

- a) Rules on the detailed content of documentation and forms related to the construction of facilities (OGRS No. 36/18, 51/18 – amended, 197/20 and 199/21 – GZ-1)
- b) Rules on construction sites (OGRS No. 55/08, 54/09 – amended, 61/17 – GZ and 199/21 – GZ-1)

C) By-laws – building regulations

- a) Rules on the format of technical guidelines for the design, construction, and maintenance of facilities (OGRS No. 54/03, 61/17 – GZ and 199/21 – GZ-1)
- b) Rules on mechanical resistance and stability of buildings (OGRS No. 101/05, 61/17 – GZ and 199/21 – GZ-1)
- c) Order on the list of standards, the use of which is presumed to comply with the requirements of the Rules on the mechanical resistance and stability of facilities (OGRS No. 8/11, 61/17 – GZ and 199/21 – GZ-1)
- d) Rules on requirements for low-voltage electrical installations in buildings (OGRS No. 140/21 and 199/21 – GZ-1)
- e) Technical construction guideline TSG-N-002: 2021 Low-voltage electrical installations
- f) Regulations on the protection of buildings against lightning (OGRS No. 140/21 and 199/21 – GZ-1)
- g) Technical Building Guideline TSG-N-003:2021 Protection against lightning
- h) Rules on fire safety in buildings (OGRS No. 31/04, 10/05, 83/05, 14/07, 12/13, 61/17 – GZ and 199/21 – GZ-1)
- i) Technical Building Guideline TSG-1-001:2019 Fire Safety in Buildings
- j) Rules on requirements for the installation of combustion devices (OGRS No. 100/13, 61/17 – GZ and 199/21 – GZ-1)
- k) 407/12 Fire safety in the design, installation, and use of combustion and flue gas appliances
- l) Rules on the protection of buildings against moisture (OGRS No. 29/04, 61/17 – GZ and 199/21 – GZ-1)



D) National and other SIST EN standards

- a) Eurocode – Basis of Structural design
- b) Eurocode 1: Actions on structures
- c) Eurocode 2: Design of concrete structures
- d) Eurocode 3: Design of steel structures
- e) Eurocode 4: Design of composite steel and concrete structures
- f) Eurocode 5: Design of timber structures
- g) Eurocode 6: Design of masonry structures
- h) Eurocode 7: Geotechnical design
- i) Eurocode 8: Design of structures for earthquake resistance
- j) Eurocode 9: Design of aluminium structures
- k) SIST EN ISO 14122-1:1998 Paints and varnishes - Corrosion protection of steel structures by protective coating systems - Part 1: General presentation
- l) SIST EN ISO 14122-2: 1998 Paints and varnishes - Corrosion protection of steel structures by protective coating systems - Part 2: Classification of environments
- m) SIST EN ISO 14122-3: 1998 Paints and varnishes - Corrosion protection of steel structures by protective coating systems - Part 3: Consideration of the type and method of design of the structure
- n) SIST EN ISO 12944-4:1998 Paints and varnishes - Corrosion protection of steel structures by protective coating systems - Part 4: Surface types and surface preparation
- o) SIST EN ISO 12944-5:2009 Paints and varnishes - Corrosion protection of steel structures by protective coating systems - Part 5: Protective coating systems
- p) SIST EN 1090-1 and SIST EN 1090-2 Steel structures
- q) SIST EN ISO 1461:2009 Hot-dip galvanizing
- r) EN 15512 Load capacity of storage racks
- s) - EN 15620 – Tolerances, deformations and clearances
- t) - EN 15629 – Design of storage systems
- u) - EN 15635 – Safety in the use of shelving
- v) - SIST EN 1992-4 – Anchoring in concrete

E) Occupational safety

- a) Uredba o zagotavljanju varnosti in zdravja pri delu na začasnih in premičnih gradbiščih / Regulation on ensuring safety and health at work on temporary and mobile construction sites – OGRS 83/05
- b) Zakon o varnosti in zdravju pri delu ZVZD-1 / Occupational Health and Safety Act ZVZD-1 (OGRS No. 43/11)
- c) Pravilnik o zahtevah za zagotavljanje varnosti in zdravja delavcev na delovnih mestih / Rules on requirements for ensuring the safety and health of workers at workplaces (OGRS No. 89/99 and 39/05)
- d) Pravilnik o varnosti in zdravju pri uporabi delovne opreme / Rules on safety and health when using work equipment (OGRS No. 101/04)

F) Other regulations



- e) Uredba o ravnanju z embalažo in odpadno embalažo / Regulation on the management of packaging and packaging waste (OGRS No. 84/06, 106/06, 110/07, 67/11, 68/11 – amended, 18/14, 57/15, 103/15, 2/16 – amended, 35/17, 60/18, 68/18 and 84/18 – ZIURKOE)
- f) SIST EN 15635: 2009 Stable steel storage systems - Use and maintenance of storage equipment
- g) Guidelines of the professional association for storage facilities and equipment (BGR 234).

7.0 AFFECTED SYSTEMS OF NEK

The implementation of the project will have an impact on the following NEK systems:

- h) Buildings and Ground (AB) – facilities,
- i) Potable Water (PW) – water supply,
- j) Sewage Drain System (ST) – storm sewer,
- k) AC Power Distribution (EE) – electricity,
- l) Fire Protection (FP) – fire protection.
- m) Phone and communication system (PC & CH) – plant page and telecommunications system

The bidder must gather information on municipal infrastructure from NEK or municipal infrastructure operators.

8.0 IDENTIFICATION OF AFFECTED EQUIPMENT AT NEK

This project does not replace any active equipment at NEK.

9.0 REVIEW AND/OR CONFIRMATION OF WORK PERFORMED

Coordination meetings for implementing the service scope will be linked to the progress of design or construction work and are expected to be held once a week. The Contractor will submit a report the day before, including at least:

- Review of activities from the past week,
- Open questions,
- Work plan for next week.

Attendance at the meeting is required for the responsible project manager.

The following steps are envisaged for the review and approval of the work:

- introductory meeting
- review and confirmation of conceptual solutions
- review of project documentation for implementation
- project review of completed works



- NEK will commission an external inspection of the structural integrity, manufacturing, assembly, and geometric accuracy. Positive reports from these inspections are a prerequisite for taking over the documentation or racks.

10.0 WORK IMPLEMENTATION SCHEDULE

Description	Deadline
Submission of conceptual solutions	T ₀ + 2 weeks
Handover of racks for Facility B	T ₀ + 26 weeks
Handover of racks for Facility C	T ₀ + 30 weeks
Handover of racks for Facility K	T ₀ + 6 weeks

* T₀ date of signing the contract

The document is deemed delivered to the Purchaser once both the Purchaser and the Contractor agree that it is complete and final.

11.0 REPORTING ON WORK PERFORMED

The bidder must send the Purchaser a report via email weekly or the day before the weekly coordination meeting, including at least an overview of activities from the previous week, open questions, and a work plan for the upcoming week (see also 9.0).

12.0 OBLIGATIONS OF THE PURCHASER – NEK

NEK will submit details about the project's organization and the roles of the project team members.

The project manager will ensure coordination with other participants from NEK.

The Purchaser will provide the Contractor with all available documentation regarding the subject of the order.

The Contractor must review the submitted documentation and identify any missing information.

13.0 CHANGE IN SCOPE

A change in the scope of work is not expected. If, however, the work is altered at the Purchaser's request, the Contractor may submit a request for a scope change during the work if he believes



the requested change would significantly affect his costs or schedule. The scope and details of such a request must be coordinated with the Purchaser before submission.

The Contractor shall not perform any activities related to changes in the scope of work without obtaining written consent from the Purchaser. Costs arising from scope changes that are not previously approved in writing will not be reimbursed.

14.0 PROJECT DOCUMENTATION

The exchange and submission of documentation will primarily be carried out electronically throughout the project. However, the Contractor must submit a printed version of any directly requested documents in the agreed number of copies at any stage of the documentation preparation process.

Drawings are submitted in both .dwg and .pdf formats, and written documents are submitted in .pdf or, at the request of the Purchaser, in .docx/.xlsx. All .pdf documents must be prepared in a format that allows text search, unless otherwise agreed with the Purchaser for a specific document or a package of documents.

When preparing documentation packages (e.g., PZI – detailed project plan for construction), each document must be added as a separate file in the electronic version of the package, with the document identifier as the file name (e.g., the drawing number, not the title), and ending with the revision identifier. The revision must also be clearly marked on the document itself. Any subsequent change to the document must be accompanied by a revision identifier. Documents that are not appropriately marked will be rejected as incomplete.

Each documentation package must include a spreadsheet (.xlsx) listing the package contents, with separate columns for document identifier (file name), revision, title, author, or Contractor. Additional columns may be added as needed.

14.1 Bid documentation

[1] All documentation required in the bid documents

- Information about the statics calculation program
- Information about the organization's structure (organizational chart) and key contacts
- Information about the authorized inspector according to SIST EN 15635: 2009

14.2 Documentation generated during the execution of the work

[1] meeting minutes

[2] handover records

14.3 Submission of final documentation after completion of work

- Submission of conceptual solutions – electronic and paper form (1 set)



- Submission of project documentation for construction implementation – electronic and paper format (3 sets)
- Submission of as-built project (PID) documentation – electronic and paper format (3 sets)

15.0 RECORDS

The Contractor must deliver all documentation, records, and calculations to the Purchaser in original. All products delivered as part of this service are the property of the Purchaser.

NEK may hand over the original drawings to another design organization for the purposes of making changes to the facility after construction is completed, and may modify the facility after construction is completed, both functionally and in appearance, without the prior consent of the designer under this contract.

16.0 RESPONSIBLE PERSONS AT NEK

Responsible persons:

Project manager: Toni Udovč
Phone: +386 (7) 4802 073
E-mail: toni.udovc@nek.si

Purchasing Officer: Mateja Burgar Makovec
Phone: +386 (7) 4802 464
E-mail: mateja.burgar-makovec@nek.si

17.0 TECHNICAL APPROACH TO DESIGN

The contractor must, as part of the bid, prepare a Technical Approach to Design.

The document must clearly demonstrate the Contractor's understanding of the project requirements, the design approach, the essential software tools to be used, the personnel and their roles on the project, and references to the process leaders.



18.0 ACCESS TO CONTRACTOR'S PREMISES AND DOCUMENTS

The Contractor must provide the Purchaser with access to his premises and the premises of his subcontractors, as well as access to the material and equipment necessary for the execution of the order.

For his contractors, the bidder must specify the role of each individual in providing the service. The Purchaser may request specific references or experience from potential contractors within the scope of the related attachment and also assess the suitability of the individuals during the bid evaluation.

19.0 SUBCONTRACTORS

The bid must list all subcontractors who will participate in the execution of the work.

Engaging new subcontractors or replacing those already proposed in the offer without a written explanation and prior written approval from the Purchaser is not allowed. The Purchaser will approve or reject the engagement of a new subcontractor within 10 days. The Purchaser is not required to agree to a change of subcontractors.

The Purchaser is not responsible for delays caused by changes in subcontractors. The Contractor must ensure the subcontractor complies with this specification.

20.0 QUALITY ASSURANCE REQUIREMENTS

The works will be carried out in accordance with the Contractor's quality management system, which must comply with ISO 9001 or a comparable standard. Reporting of nonconformities and deviations must be carried out in accordance with the Contractor's quality management system requirements.

The Contractor assumes responsibility for meeting all quality, commercial, and technical requirements, as well as schedules, for all his subcontractors.

21.0 CONFIDENTIALITY

All documentation created or produced by the Contractor is the property of the Purchaser. Any documentation provided to the Contractor by the Purchaser may be used only for the project and must not be shared with any third party without the Purchaser's written consent.

The Purchaser shall own the rights to the plans, projects, specifications, and knowledge provided during the performance of the Contract Works, as well as to any knowledge, experience, improvements, or inventions developed during or as a result of such works (collectively called "Information"). All such information shall be regarded as a business secret by the Purchaser. The Contractor may only use this information for his personnel and for completing the Works under the Contract, in accordance with the confidentiality clause.



22.0 ATTACHMENTS

22.1 PZI NEKZS--7A1052A#GROUND FLOOR PLAN

22.2 PZI NEKZS-B056-386-B AND C SHELVES

22.3 Inventory NEKZS--7A2001#List of equipment-K rev1

22.4 Inventory NEKZS--7A2005#List of equipment_BC rev1