

Probabilistic seismic hazard analysis for Krško Nuclear Power Plant (NEK) and Krško Nuclear Power Plant 2 (JEK2)

**Documentation in connection with the
occasional joint public procurement
(Bidding Documentation)**

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1 Invitation to submit an application

We hereby invite interested bidders to submit their written bid pursuant to the requirements of this Bidding Documentation (hereinafter referred to as “Bidding documentation”). The joint procurement procedure is performed pursuant to the provisions of the Public Procurement Act (Official Gazette of the Republic of Slovenia, No. 91/15, with all its amendments and additions, hereinafter referred to as “ZJN-3”) related to the domain of infrastructure.

2 Purchasers

GEN energija d.o.o. – abbreviated company name GEN
Vrbina 17
SI-8270 KRŠKO
Slovenia

and

Nuklearna elektrarna Krško d.o.o. – abbreviated company name NEK
Vrbina 12
SI-8270 KRŠKO
Slovenia

This occasional joint procurement (hereinafter referred to as “procurement”) is performed by GEN in its own name and on its own account and, by delegation, in the name and on the account of NEK.

The term “Purchasers” shall hereinafter be used for both companies acting as the Purchasers for this procurement, unless specifically stated otherwise in the text.

3 The designation and subject matter of the procurement

Procurement designation: JN-S-009/2025.

The subject matter of this occasional joint procurement is the preparation of the study Probabilistic seismic hazard analysis for Krško Nuclear Power Plant (NEK) and Krško Nuclear Power Plant 2 (JEK2) pursuant to the technical specifications for the Probabilistic seismic hazard analysis for Krško Nuclear Power Plant and Krško Nuclear Power Plant 2 (JEK2), SP-2025-002, SP-ES-1481, rev. 1, dated June 2025 (hereinafter referred to as the “technical specifications”, shortly TS).

4 Procurement performance procedure

A negotiated procedure with the publication of the procurement notice shall be performed for this procurement pursuant to Article 45 of the Slovenian Public Procurement Act (ZJN-3).

Based on the conditions and criteria set out in the documents related to the procurement, the Purchasers shall select the bidder with whom to conclude a contract.

4.1 Implementation of the procedure

The Purchasers shall implement the procedure in the following phases:

- In the first phase of a negotiated procedure with the publication of the procurement notice, any interested economic operator may submit an application for participation based on the invitation published on the procurement portal. The Purchasers shall perform a qualitative selection among the candidates who have submitted their application. Based on said qualitative selection, the competence of the candidates complying with the conditions for the performance of this procurement shall be recognised by the Purchasers. After the completion of the first phase of the procedure, the Purchasers shall issue a decision on the recognition of competence.
- The second phase of the procedure shall only include the bidders whose competence for the performance of this procurement has been recognised by the Purchasers based on the decisions on the recognition of competence. The Purchasers shall invite the bidders with recognised competition to submit their first bids.
- After the submission of the first bid, the Purchasers shall invite the bidders to negotiate. The number of hours and the hourly rates defining the tender price, the duration of individual activities set out in the terms of reference, the optional solutions provided for in the technical specifications, and the contractual provisions shall be the subject matters of these negotiations. The Purchasers shall be able to negotiate also about other matters.

5 Duration of the procurement

The selected Contractor is expected to perform the services in question pursuant to the envisaged timetable set out in Section 8 of the technical specifications.

The contractual deadline and deadlines for the performance of individual reports (“deliverables”) set out in the technical specifications may change due to reasons beyond the control of the Purchasers, i.e.:

- changes of input data with which the Purchasers will become familiar at a later date, or which will be provided to the Purchasers at a later date;
- any additional field research and analysis necessary, if needs to elaborate such research and analysis arise during the project;

- reviews of third parties that are not included in this contractual relationship and that might take longer than prescribed (expert opinion of an authorised organisation).

6 Fundamental rules for access, notifications and explanations in relation to the documents related to the procurement

6.1 Access to documents related to the procurement

The documents can be found on the website of the procurement portal <https://www.enarocanje.si/>.

6.2 Notifications and explanations in relation to the documents related to the procurement

Any communication with candidates related to any questions in terms of the procurement content and bid preparation shall only take place on the procurement portal.

The Purchasers shall consider any requests for clarification of the documentation for this procurement or any other questions related to the procurement as having been submitted in a timely manner if they have been published on the procurement portal within the deadline set out in the procurement notice published on the procurement portal.

The Purchasers shall not answer any requests for clarification or any other questions related to the procurement submitted after said deadline.

Pursuant to Article 67 of the ZJN-3, the Purchasers may amend or supplement the documentation. Any amendment and supplement of the documentation becomes its component part. Any questions and answers published on the procurement portal shall also be considered as part of the documentation.

The Purchasers shall grant access to the reference documentation in the second phase to the candidates whose competence has been recognised. Access shall be provided at the headquarters of the company GEN. Prior to being granted access, the candidate shall be required to sign a Non-Disclosure Agreement (NDA), as the reference documentation constitutes a trade secret of the Purchaser.

7 Deadline and method for the submission of applications

Candidates must submit their applications within the e-JN information system at <https://ejn.gov.si>.

Before submitting their application, the candidate must register at <https://ejn.gov.si> pursuant to the Instructions for Use of the e-JN. If the candidate is already registered in the e-JN information system, they must log into the application using the same address.

An application is considered as having been submitted in a timely manner if the Purchasers receive it through the e-JN system <https://ejn.gov.si/eJN2> no later than on 25 July 2025 at 10:00 CET. A bid marked in the e-JN information system as “SUBMITTED” shall be considered as a submitted application.

Candidates may withdraw or modify their applications before the application submission deadline. If a candidate withdraws their application in the e-JN information system, the application is considered as not having been submitted and shall therefore not be visible to the Purchasers in the e-JN system. If the candidate modifies their application in the e-JN system, the Purchasers shall see the last submitted version of the application in the system.

After the expiry of the application submission deadline, it will no longer be possible to submit applications.

After submitting their application, the candidate must monitor any notifications related to this procurement in the e-JN system.

8 Time and place of the public opening of applications

Bids shall be automatically opened in the e-JN information system on 25 July 2025 at 11.15 am on the website <https://ejn.gov.si/eJN2>.

9 Legal basis

The Purchasers are performing the procurement procedure based on the applicable legislation and by-laws governing public procurements.

10 Costs of the procurement

The bidder shall bear all costs related to the preparation and submission of their bid, which also includes any translations (from foreign languages into Slovenian) of all forms and supporting documents that will be obtained or requested by the Purchasers in the framework of examining and evaluating bids.

The Purchasers are in no way responsible for any damage incurred by the bidders in the framework of this procurement procedure due to the rejection of all bids, the exclusion of all bids, the withdrawal from the implementation of the procurement and the failure to conclude the contract, and shall not pay any costs or any indemnities to candidates/bidders, regardless of how the tender procedure was managed or of its outcome.

11 Technical specifications

The Purchasers have prepared technical specifications which can be found in the document “Probabilistic seismic hazard analysis for Krško Nuclear Power Plant and Krško Nuclear Power Plant 2 (JEK2)” SP-2025-002, SP-ES-1481 rev. 1 June 2025 (hereinafter referred to as the “technical specifications”) and are attached to this Bidding Documentation.

12 Qualitative selection

The bidder must comply with all conditions and requirements set out in this Section.

12.1 Reasons for exclusion

The Purchasers shall exclude the bidder from the procurement procedure if the bidder is excluded from procurement procedures on the day of expiry of the bid submission deadline due to its designation as an economic operator with an imposed additional sanction of being excluded from procurement procedures.

EVIDENCE:

- Completed ESPD form, point D – National reasons for exclusion.

12.2 Conditions for participation

12.2.1 Expert capacity of the candidate

The candidate must provide a project team of at least six (6) experts who will be personally involved in the implementation of services and who will maintain contact with the Purchasers::

- 1. A project manager who must comply with the following requirements:**

- has experiences in managing of at least one (1) completed project in the field of *probabilistic seismic hazard analysis – PSHA* in the last 10 years from the date of publication of this procurement on the procurement portal.
- the value of referenced project(s) that provided project manager has managed and concluded in the past 10 years must be at least EUR 500,000.

2. At least 2 expert who must comply with the following requirements:

- at least **1 expert** who has participated in at least one (1) completed project in the field of seismology and *seismic source characterisation models – SSCM* in the last 10 years from the date of publication of this procurement on the procurement portal.
- at least **1 expert** who has participated in at least one (1) completed project in the field of regional seismology for the area of Krško and Slovenia in the last 10 years from the date of publication of this procurement on the procurement portal.

3. At least 1 expert who must comply with the following requirements:

- has a reference for at least one (1) project in the field of implementing fully non ergodic ground motion models for nuclear facility sites in the last 10 years from the date of publication of this procurement on the procurement portal.

4. At least 1 expert who must comply with the following requirement:

- has participated in at least one (1) completed project in the field of *site response analysis – SRA* in the last 10 years from the date of publication of this procurement on the procurement portal.

5. At least 1 expert who must comply with the following requirement:

- has participated in a seismic analysis project (with consideration of soil-structure-interaction), an earthquake-resistant design project or a project for the development of earthquake-resistant designs for nuclear or radiation facilities or their systems in the last 10 years from the date of publication of this procurement on the procurement portal.

EVIDENCE:

- Completed ESPD form
- Completed form on the compliance with the expert capacity requirements.
- Reference certificate of the Purchasers for the participating expert members.

12.2.2 Professional capacity of the candidate

In order to comply with the professional capacity requirements, the bidder must comply with the following conditions:

- has a reference for at least one (1) completed project in the field of probabilistic seismic hazard analysis – PSHA in the last 10 years from the date of publication of this procurement on the procurement portal.

EVIDENCE:

- Completed ESPD form
- Completed form on the compliance with the professional capacity requirements.
- Reference certificate of good performance.

All legal entities participating in a tender can jointly comply with the conditions for participation. A legal entity may use the capacities of other legal entities, regardless of the legal relationship between said legally entity and said other legal entity, but only if said other legal entity will perform the services for which said capacities are required. If the bidder submits a bid using subcontractors, the aforementioned condition may also be complied with by a subcontractor, but only if the subcontractor who is complying with the condition will actually perform the independent review service for this procurement.

13 Application

The application must be prepared entirely in compliance with these documents and must comply with all conditions for the participation in this procurement.

13.1 Documents making up the procurement application

The application submitted by the candidate must contain at least the following documents:

1. Data regarding the candidate.
2. ESPD form.
3. Form on the compliance with the expert capacity requirements.
4. Form on the compliance with the professional capacity requirements.
5. Reference certificate of the Purchasers for the participating expert members.
6. Reference certificate of good performance.
7. Sample contract, completed with basic information.

13.1.1 ESPD form for all economic operators

The ESPD form is an official statement of the economic operator, stating that said economic operator complies with the participation conditions, and providing necessary information required by the Purchasers. The ESPD form also includes an official statement by the economic operator that they will be able to provide, on request and without delay, supporting documents proving the non-existence of reasons for their exclusion or the compliance with the conditions for participation.

The statements set out in the ESPD and/or the supporting documents submitted by the economic operator must be valid.

The economic operator can import the ESPD form of the Purchasers (XML file) on the website of the Procurement portal/ESPD: http://www.enarocanje.si/_ESPD/ and enter the required information directly into the form.

A completed and signed ESPD form must be enclosed for all economic operators taking part in the application in any way (candidate, participating candidate in the event of a joint application/tender, economic operators to the capacities of which the candidate refers, and subcontractors).

A candidate submitting an application in the e-JN system shall upload its ESPD form under the tab "Documents", part "ESPD – tenderer", while the ESPD form of the other participants shall be uploaded under the tab "Participants", part "ESPD – other participants". A candidate submitting an application in the e-JN system shall upload an electronically signed ESPD form in *.xml format or an unsigned ESPD form in *.xml format whereby, in the latter case, the submitted form shall be considered as a legally binding document which is equally valid as a signed document, pursuant to the General Terms and Conditions for the Use of the e-JN Information System.

For other participating candidates, the candidate shall upload signed ESPD forms in PDF or electronically signed *.xml format in the tab "Participants", part "ESPD – other participants".

13.2 Validity of the application

The application is valid for no less than 90 days from the expiry of the application submission deadline.

13.3 Variants

Pursuant to Article 72 of the ZJN-3, the Purchasers is hereby informing bidders that variants are not permitted.

13.4 Language of the procurement procedure

The procurement procedure shall be conducted in the Slovenian language. If applications/bidders are submitted by foreign candidates/bidders, the Purchasers also reserve the right to communicate in English. The Purchasers have also prepared the documents in the English language, due to the specific nature of the subject matter of the procurement and the need to use the appropriate terminology.

All documents related to the application/bid must be prepared in the Slovenian or in the English language. The Purchasers reserve the right to request the candidate/bidder to officially translate any part of the bid that has not been submitted in the Slovenian or English language at its own costs, if the Purchasers consider

it necessary when examining and evaluating the applications/bids, whereby an appropriate deadline shall be set out to prepare the translation.

Documents in the English language or the official translation in the English language shall always be used for the evaluation of controversial questions.

13.5 Other provisions for the preparation of the bid

13.5.1 Joint application or Bid

If the is submitted by a group of bidders, the bid must contain the required details about the joint participation in the form “Details about the candidate”, and a separate ESPD form must be submitted for every bidder participating in the joint bid.

A group of candidates may cumulatively comply with the conditions for participation related to technical and expert capacity, meaning that all candidates comply with these conditions together, unless otherwise provided in these documents or in the ZJN-3.

If such a group of bidders will be selected for the execution of the procurement in question, the Purchasers may require an act on the joint execution of the procurement (e.g. a cooperation contract) which defines the details of the tasks and responsibilities of individual bidders for the execution of the procurement. Notwithstanding this provision, bidders are jointly and severally liable in relation to the Purchasers.

13.5.2 Subcontractors

If the bidder executes the procurement with subcontractors, the bid must include:

- all subcontractors and all parts of the procurement that the bidder intends to subcontract,
- the contact details and authorised representatives of the suggested subcontractors,
- completed ESPD forms of those subcontractors pursuant to Article 79 of the ZJN-3, and
- at the request of the subcontractors, the subcontractor’s request for direct payment.

Only if the subcontractor requires direct payment is it considered that a direct payment to the subcontractor is mandatory, whereby said obligation is binding for the Purchasers and the main contractor alike. If the bidder intends to execute the procurement with a subcontractor requesting direct payment, the following conditions must be met:

- in the contract, the main contractor must authorise the Purchasers to make direct payments to the subcontractor based on confirmed invoices and statements of the main contractor,
- the subcontractor must submit a consent form based on which the Purchasers and not the bidder shall settle the subcontractor’s claim against the bidder,
- the main contractor must enclose the previously confirmed invoice or settlement of the subcontractor to its own invoice or settlement.

For nominated subcontractors that do not require direct payment, the Purchasers shall require the main contractor to provide its written statement and the written statement of the subcontractor, stating that the subcontractor has received payment for the work performed, no later than within 60 days of the payment of the final invoice or settlement. If the contractor fails to comply with this provision, the Purchasers shall submit a proposal for the initiation of offence proceedings to the National Review Commission pursuant to Section 2 of the first paragraph of Article 112 of the ZJN-3.

During the execution of the procurement, the main contractor must inform the Purchasers of any changes in the information provided pursuant to the second paragraph of Article 94 of the ZJN-3 and send information about the new subcontractor that they intend to subsequently include in the execution, no later than five days after the change. In the event of inclusion of new subcontractors, the main contractor must also enclose information and documents set out in indents two, three and four of the second paragraph of Article 94 of the ZJN-3.

If the bidder who is awarded the procurement performs the work using subcontractors, the bidder shall be entirely responsible for the execution of the procurement in relation to the Purchasers.

14 Award criterion

Only admissible Final Bids will be evaluated by a set of criteria and weight factors expressed in percentages. Bid evaluation result is the percentage of theoretical maximum points, being 100. The Bid with the maximum percentage of points will be selected.

A: PRICE (up to 50 points)

The number of points for the “Price” criterion shall be calculated by the Purchasers using the following formula rounded to two decimal places:

$$\frac{\text{Lowest Bid Price (without taxes)}}{\text{Bid Price of the Evaluated Bid (without taxes)}} \cdot 50 \text{ points}$$

B: PROJECT MANAGER EXPERIENCE (up to 20 points)

The Bidder shall receive additional points if the project manager provided in Section 12.2.1 managed the preparation of 2 or more projects in the field of probabilistic seismic hazard analysis – PSHA in the last 10 years from the date of publication of this procurement on the procurement portal, where the values of referenced projects was at least EUR 500,000.

Table 1: Project manager experience

Project activity	Project manager (first and last name)	Managing 2 projects	Managing 3 projects	Managing 4 or more projects
		7 points	15 points	20 points

C: ADDITIONAL EXPERIENCE OF THE PARTICIPATING EXPERTS (up to 30 points)

The bidder shall receive additional points if the participating experts provided in Section 12.2.1 (expert capacity) participated in the preparation of 2 or more projects in the field of probabilistic seismic hazard analysis – PSHA in the last 10 years from the date of publication of this procurement on the procurement portal.

Table 2: Experience of the participating experts

Project activity	Participating experts (first and last name of the experts member)	Participating in 2 project	Participating in 3 projects	Participating in 4 or more projects
Seismology and seismic source characterisation model – SSCM		1 point	3 points	6 points
Regional seismology		1 point	3 points	6 points
Ground motion models – GMM, including fully non-ergodic GMM		1 point	3 points	6 points
Site response analysis – SRA		1 point	3 points	6 points
Seismic analysis project, earthquake-resistant design project or a project for the development of earthquake-resistant designs for nuclear or radiation facilities or systems, components and constructions (SCC)		1 point	3 points	6 points

A project is every project in the field of probabilistic analysis of seismic risks in the area of nuclear power plants.

WARNING IN TERMS OF SUPPORTING DOCUMENTS: Bidders must provide all supporting documents related to the award criterion upon the submission of their bid, seeing as amendments of the part related to the award criterion are not allowed.

FINAL SCORE = A + B + C

The maximum number of points is 100.

The most advantageous bidder is the bidder with the highest number of points.

If two or more bidders achieve the same final score, the Purchasers shall select the bidder with experience in the field of projects performed in the Krško Basin and within the radius of 300 km, due to their knowledge of regional seismology, geology, and geotechnics.

The award criterion for the selection of the most advantageous Bid is not a part of the first phase of this procurement and shall be required and considered in the second phase of the procedure.

15 Confidentiality

Information designated by the bidder as a trade secret shall only be used for the purposes of this procedure and shall not be made available to anyone outside of the circle of persons included in the procedure. The designation as a trade secret applies to all information that is not legally public or otherwise made publicly available, as well as any information designated as a trade secret in the regulations or internal acts of the tenderer.

The Purchasers warn the bidder that any information that is publicly available or easily available to persons in circles which usually explore such information cannot be designated as a trade secret.

16 Recognition of competence

The Purchasers shall recognise the competence of all bidders complying with the conditions for participation.

The Purchasers shall publish a signed decision on the recognition of competence on the procurement portal. That decision shall be deemed delivered on the day it is published on the public procurement portal.

17 Conclusion of a contract

Pursuant to the sixth paragraph of Article 14 of the Integrity and the Prevention of Corruption Act (Official Gazette of the Republic of Slovenia, No. 69/11-UPB2, hereinafter referred to as the "ZIntPK"), the selected bidder must submit a statement or information on the participation of natural persons or legal Authorities owned by the bidder, and on the economic operators which are considered to be related companies of the bidder pursuant to the Companies Act, before signing the contract and at the request of the Purchasers.

The tenderer shall complete the sample contract with the basic information about the tenderer.

The contents of the sample contract shall be adjusted before the contract is signed, based on whether the selected tenderer submits a joint tender or subcontractors.

17.1 Amendments of the procurement execution contract during its validity

Pursuant to Point 1 of the first paragraph of Article 95 of the ZJN-3, the Purchasers reserve the right to amend the contract during its validity due to Potential delay due to independent review for which the Purchaser is responsible.

18 Rule of law

Any audit requests related to the content of the publication, the invitation to submit a tender or the tender documentation may be submitted within ten working days of the date of publication of the procurement notice or of the receipt of the invitation to submit a tender. If the Purchasers amends or supplements the statements in the publication, the invitation to submit a tender or the tender documentation, any audit request related to the amended, supplemented or explained content of the publication, the invitation or the tender documentation or a directly related statement in the initial publication, the invitation to submit a tender or the tender documentation shall be deposited within ten days of the date of publication of the notification on additional information, information on an unfinished procedure or correction, if said notification amends or supplements the requirements or criteria for the selection of the most advantageous tenderer.

The audit request must be filed through the eRevizija portal.

The audit request must contain:

1. the name and the address of the person filing the request and a contact person,
2. the name of the Purchasers,
3. the designation of the procurement,
4. the subject matter of the procurement,
5. an authorisation for representation in the pre-audit and audit procedure if the applicant acts together with a proxy,
6. the confirmation of the payment of the fee set out in the first paragraph of Article 71 of the Law on appeals in public procurement procedures in the amount of EUR 4,000.00.

In their audit request, the applicant must state the obvious breaches, as well as facts and supporting statements proving said breaches.

The fee must be paid to the transaction account no. SI56 0110 0100 0358 802.

The account is opened with: Banka Slovenije, Slovenska 35, SI-1505 Ljubljana, Slovenia

SWIFT: BSLJSI2X

Account number: SI56011001000358802

Reference: 11 16110-7111290-XXXXXXLL

Bruno Glaser, Ph.D.
Chief Operating Officer

Dejan Paravan, Ph.D.
Chief Executive Officer