

Mark: **EZP.270.9.2025**

Otwock, April 25, 2025

The Ordering Party**National Center for Nuclear Research****05-400 Otwock****Andrzeja Sołtana 7****Clarifications to the content of the Terms of Order Specification**

Concerning the public procurement procedure entitled: "**Delivery, installation and commissioning a set of devices within NOMATEN CoRE intended for nuclear corrosion testing in conditions simulating the operating conditions of PWR type reactors**"

Pursuant to Article 135(2) and on the basis of Article 135(6) of the Act of 11 September 2019 Public Procurement Law (Journal of Laws of 2023, item 1320), the Ordering Party cites the content of the questions and provides explanations to the questions submitted:

Question 1: I am following up regarding the options related to the tender. Concerning the autoclave, could you please provide the dimensions of the specimens that will be used, so I can proceed with the appropriate sizing?

Answer: We are planning to perform autoclave tests (SSRT) on miniaturized samples (see Forms 2.1-3.7, Option 2, point 12). Examples of sub-sized tensile specimen geometries commonly used in the nuclear field (though not necessarily in autoclaves) include SS-3, SSJ-3, and SS-1 (M. Gussev et al, Role of scale factor during tensile testing of small specimens, 2015)—all of which are typically under 50 mm in length and below 1 mm in thickness.

At this stage, we consider SSJ-3 geometry most promising candidate. However, we do not wish to define the exact geometry yet, as we are not fully aware of the limitations imposed by the autoclave system's design. We believe that the choice of geometry will also depend on the frame size and the achievable load measurement accuracy. We also understand that if the sample geometry is not designed well, SSRT testing in an autoclave may result in challenges with accurate load measurement due to a high noise-to-signal ratio.

Since these limitations may vary depending on the specific construction and capabilities of the equipment, we are open to suggestions from the Provider. We trust that these recommendations will be based on the Provider's experience and technical understanding of the proposed system.

The above explanations constitute an integral part of the SWZ.

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(signature of the Ordering Party's Manager
or a person authorized by him)