



CERTIFIED MANAGEMENT SYSTEM
ISO 37001

Current Report according to Article 234(i) of the FSA Regulation no. 5/2018

Date of report: 28.06.2023

Name of issuing entity: Societatea Nationala NUCLEARELECTRICA S.A.

Headquarters: Bulevardul Iancu de Hunedoara 48, Bucharest

Phone/fax number: 021-203.82.00 / 021-316.94.00

Single Code of Registration with the Office of the Trade Register: 10874881

Number of registration with the Trade Register: J40/7403/1998

Subscribed and paid-up share capital: 3,016,438,940

Regulated market the issued securities are traded on: Bucharest Stock Exchange

**To: Bucharest Stock Exchange
Financial Supervisory Authority**

Important event to report:

Societatea Nationala Nuclearelectrica S.A. (“SNN”) executed two legal instruments of the type of those provided at Article 234(1)(i) of the FSA Regulation no. 5/2018 on issuers of financial instruments and market operations.

Nuclearelectrica and Korea Hydro & Nuclear Power (KHNP) have signed the Engineering, Procurement and Construction (EPC) contract for the completion of Europe's first Tritium Removal Facility (CTRF) at the Cernavoda NPP.

CTRF will remove the tritium from instalations, resulting in increased protection of the environment, in full alignment with Nuclearelectrica's and Europe's ESG objectives.

Using a Romanian innovative technology, developed by the Romanian National Research and Development Institute for Cryogenic and Isotopic Technologies (ICSI Rm. Valcea), Cernavoda Tritium Removal Facility (CTRF) will be the world's third and Europe's first Tritium Removal Facility and will give Romania the opportunity to become a European hub for tritium production and export – the fuel candidate of future clean fusion reactors. Also, Romania has the opportunity to develop its suppliers' chain and become a center for development and export of the Romanian tritium removal technology and know-how, using localized factories and workforce.

Tritium, an isotope of hydrogen, is mainly produced in heavywater-moderated-power reactors (such as CANDU). CTRF will remove tritium from the heavy water of the CANDU reactors and instalations at Cernavoda NPP. The resulted tritium can be further used for the future fusion reactors, such as ITER, and will be the first indigenous European source of fuel, using a Romanian technology

in partnership with Korea. Fusion power plants will use hydrogen isotopes deuterium and tritium to fuel the fusion reaction and will convert the energy released into electricity.

The conceptual design of CTRF, completed by Romanian ICSI Rm. Valcea, uses the most advanced TRF technology, including up to date safety requirements for a tritium industrial facility as specified by CNCAN, the Romanian Nuclear Regulator.

“We are happy to implement a Romanian innovative technology, based on years of research and development, a true statement of Romania’s leadership in nuclear industry. KHNP, a leading expert in the field is the right partner to support us in delivering a safe and reliable project. The Tritium Removal Facility represents Nuclearelectrica’s constant commitment to safe operation and protection of the environment and population. Our purpose, through our investment projects, technological advancement and international cooperation, is to provide Romania a leading role in the nuclear industry and support its energy security. I am fully appreciative of National Research and Development Institute for Cryogenic and Isotope Technologies - ICSI Rm Valcea, my team at Nuclearelectrica and our partners for their efforts and shared vision for a sustainable future for the next generation.” - Cosmin Ghita, Chief Executive Officer, Nuclearelectrica

Korea Hydro & Nuclear Power (KHNP) has been selected as an Engineering, Procurement and Construction (EPC) contractor following a public procurement procedure. KHNP is highly experienced in developing similar projects and is operating a similar facility at the Wolsong Nuclear Power Plant site, the Wolsong Tritium Removal Facility.

The Tritium Removal Facility project will benefit from international world class cooperation in the field from Romania, capitalizing on the National Research and Development Institute for Cryogenic and Isotope Technologies - ICSI Rm. Vâlcea research expertise, Korean, USA, Canadian and European countries.

Nuclearelectrica’s Tritium Removal Facility will include several high technology areas: liquid phase isotopic separation, cryogenic distillation and high vacuum operation.

The project completion duration is estimated at 50 months, and the produced tritium will be stored in secure and safe specialized containers ready for future use.

“We are actively working on strengthening our international partnerships, capitalizing on our 26 years of safe operation expertise and Romanian nuclear industry expertise for more than 50 years. We aim by 2031 to deliver not only 66% of Romania’s clean energy, but also innovative and efficient projects which support the development of the local nuclear industry with multiple socio-economic benefits. This is a great time to harvest our Romanian expertise for a safe energy future and share our knowledge to like-minded companies and countries.”-Cosmin Ghita, Chief Executive Officer, Nuclearelectrica



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In accordance with Article 234 para. 1, lit. i) of ASF Regulation no. 5/2018, SNN reports the conclusion of a legal act whose individual value exceeds 10% of the net turnover for the financial year 2022.

Details of the transaction entered into by SNN, relating to its subject matter, total amount, mutual claims, guarantees provided, terms and payment terms, are provided in Annex 1.

CEO
Cosmin Ghita

Appendix 1 to the Current Report according to Article 234(1)(i) of the FSA Regulation no. 5/2018											
No.	Parties to the legal deed	Date of conclusion and legal deed number	Nature of the legal deed	Description of the subject-matter	Total amount of current transaction/amount of aggregate transactions	Mutual claims	Securities established	Payment terms and means	Stipulated penalties	Information to determine effects	
1	SNN S.A. - KOREA HYDRO & NUCLEAR POWER Co., Ltd. (KHNP)	961/28.06.2023	Sector contract for works, design and execution type. The model used is FIDIC Yellow (Plant and Design-Build) ed. 1999	Construction works for the debris removal plant at the Cernavoda NPP	195.324.868 Euro	Receivables = 52.690,24 Lei Debts= 9.110,80 eur Debts = 1.592,12 usd Receivables = 9.110,80 eur Receivables = 1.592,12 usd		The purchaser will pay an advance payment of 15% of the contract price (excluding provision and consumables), subject to the submission of a guarantee for the advance payment. During the execution of the Contract payments shall be made for services and works carried out by the Contractor and confirmed by the Engineer/Beneficiary as per GCC Clause 14.7 on the basis of Interim Payment Certificates and Final Payment Certificates within 56 days of receipt by the Engineer of the Statement of Works and supporting documents.	According to FIDIC contract "Conditions of Contract for Plant and Design-Build" First Edition 1999" GCC clauses 2.5, 8.7, 11.4, 12.4, 4.2 For both parties the cumulative amount of penalties shall not exceed 100% of the contract price		



Societatea Nationala NUCLEARELECTRICA S.A.
Bulevardul Iancu de Hunedoara 48, Bucharest 011745, Romania; Phone +4021 203 82 00, Fax +4021 316 94 00.
Registered with the Trade Register under number: J40/7403/1998, Sole Registration Code: 10874881,
Subscribed and paid-up share capital: RON 3,016,438,940
office@nuclearelectrica.ro, www.nuclearelectrica.ro