

SIA „BALTIC SCIENTIFIC INSTRUMENTS”

RFA

Reg. No.40003176361

Official address: Ramulu street 3, Riga, LV-1005

Riga, September 16th 2024

Procurement No.2-IEP/2024

DESCRIPTION OF THE SUBJECT OF PURCHASE**1. General information about the Funding Beneficiary:**

Name of organisation: SIA „BALTIC SCIENTIFIC INSTRUMENTS”
Unified registration number: 40003176361
Official/actual address: Ramulu street 3, Riga, LV-1005
Contact person: Dmitrijs Razinkovs
phone: +371 67 38 39 47
e-mail: d.razinkov@bsi.lv

2. Description of the procurement item

Procurement item: Materials needed for SIA "Baltic Scientific Instruments" research project No. P1 "Research and development of X-ray fluorescence analyzer for rare earths and heavy metals", for the financing of which SIA "ETKC" and SIA "Baltic Scientific Instruments" have concluded cooperation agreement No.ETKC-SP1Z, part 1 - high voltage power supply. The research project is implemented as part of the project "Development of innovative products and technologies within the Energy and Transport Competence Center" (project number: 1.2.1.2.i.2/1/24/A/CFLA/003).

List of materials:

Material	Quantity necessary
High voltage power supply	1 set

3. Technical indicators of the procurement item:**High voltage power supply**

No.	Parameter	Requirement
1.	Composition of high voltage power supply	X-ray tube, power supply, cooling system
2.	Quantity (sets)	1
3.	X-ray tube maximum voltage	155-165 kV
4.	X-ray tube maximum power	Not less than 6 kW
5.	X-ray tube maximum filament current	4.0-4.2 A
6.	X-ray tube filament voltage	5.0-5.5 V
7.	X-ray tube focal spot diameter	5.4-5.6 mm
8.	X-ray tube anode target	Tungsten or equivalent
9.	X-ray tube anode tilt	29-31 degrees
10.	X-ray tube radiation angle	49-51 degrees
11.	Power supply maximum power	Not less than 4.5 kW
12.	Power supply output voltage range	7.5-160.0 kV
13.	Power supply output current	0-4.5 mA
14.	Power supply high voltage cable length	Not less than 5 m
15.	Power supply voltage	220-230 V
16.	Power supply maximum supply current	Not more than 16 A
17.	Power supply high voltage connector type	R24 or equivalent
18.	Power supply control	Ethernet RS-232 or equivalent
19.	Cooling system supply voltage	220-230 V
20.	Cooling system supply current	3.2-3.4 A
21.	Cooling system power	Not less than 5 kW
22.	Cooling system operating temperature	From +5 to +40 Celsius degrees
23.	Cooling system storage temperature	From -20 to +70 Celsius degrees
24.	Cooling system noisiness	Not more than 60 dB
25.	Cooling system cooling tube length	Not less than 5 m
26.	Cooling system maximum pressure	7.5-8.0 bar
27.	Cooling system coolant flow	6.7-7.0 litres per minute
28.	Cooling system coolant	Water-ethylene glycol mix
29.	Warning lamps	Should be equipped with warning lamps

30.	Dynamic monitoring	Should be equipped with dynamic monitoring
31.	Possibility to control from computer of operator	Should be possible to control from computer of operator

4. Other terms of delivery of the purchase item (preferred)

4.1. Place for delivery of the Procurement Subject

Ramulu street 3, LV-1005, Riga, Latvia

4.2. Terms for delivery of the Procurement Subject

Procurement item – materials are delivered according to the order of the Funding Recipient until December 30, 2024.

4.3. Conditions of delivery of the purchase item

Shipping costs are included in the offer price.

4.4. Requirements for the presentation of the proposal

4.4.1. The offer must be submitted in 1 copy, prepared in computer type. An offer can be submitted electronically.

4.4.2. The offer must indicate the offer price. The price must be in EUR, USD or CHF.

4.4.3. The offer must indicate the date, place, number, as well as the position, signature, transcript of the signature, company seal (if applicable) of the preparer of the offer.

4.4.4. The offer must be submitted either in Latvian or in English, using the Offer form attached to the description of the procurement item, or an equivalent form if it includes all the requested information.

4.5. Contract payment procedure

It is coordinated with the recipient of funding when concluding a contract or placing an order. Advance payment of up to 100% is possible before the product is shipped, when the product is already made.

4.6. Compliance of technical indicators

4.6.1. The applicant must have a minimum of three years of experience in the production or development of the relevant proposed material.

4.6.2. If there is a possible equivalent to the requirements listed in the technical specification, the existence of which is not anticipated by the beneficiary, the applicant can submit an offer that meets the equivalent requirements. The applicant can also submit an offer that meets higher requirements.

SIA „Baltic Scientific Instruments”
Chairman of the Board



Vladimirs Gostilo

<<Name of company>>

<<Registration No.>>

<<Official and actual address>>

SIA „BALTIC SCIENTIFIC INSTRUMENTS”

Reg. No. 40003176361

Ramulu street 3, Riga, LV-1005

For procurement No. 2-IEP/2024

<place> <date>

No. _____

TENDER OFFER

Beneficiary of funding/ Contracting Authority	SIA „BALTIC SCIENTIFIC INSTRUMENTS” Reg. No. 40003176361
Address of Beneficiary of funding/ Contracting Authority	Ramulu street 3, Riga, LV-1005
Procurement subject	Materials for the needs of SIA "Baltic Scientific Instruments" research project No. P1 "Research and development of X-ray fluorescence analyser for rare earths and heavy metals", part 1 – high voltage power supply
Tenderer	Name:
	Registration No.:
	VAT Registration No.:
	Official address:
	Actual address:
	Phone:
	Fax:
	E-mail:
	Contact person's Name, Surname:

GENERAL REQUIREMENTS OF OFFER

<i>No.</i>	<i>Parameter</i>	<i>Requirement</i>	<i>Offer</i>
1.	Place for delivery of the Procurement Subject	Ramulu street 3, Riga, LV-1005	
2.	Terms for delivery of the Procurement Subject	Before 30.12.2024.	
3.	Delivery	Cost of delivery till Riga is included in the offered price	
4.	Experience in the field of development or manufacturing of the offered goods	Three years or more	

TECHNICAL OFFER

RFA

High voltage power supply

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25.	Cooling system cooling tube length	Not less than 5 m	

26.	Cooling system maximum pressure	7.5-8.0 bar	
27.	Cooling system coolant flow	6.7-7.0 litres per minute	
28.	Cooling system coolant	Water-ethylene glycol mix	
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FINANCIAL OFFER

Material	Price without VAT	Q-ty, pc.	Sum
High voltage power supply		1 set	
		Total:	
		VAT:	
		Total with VAT:	

Advance payment:**Final payment:**

Tenderer representative position:	
Name, Surname	
Date, place	
Signature	