**Appendix No. 1 to inquiry No. 24/TECH/2021 of the day 19/11/2021**

**Specification of the subject of the contract in connection with the implementation of the** **project "Development of technology for manufacturing of functional materials for application in non-silicon photovoltaic cells" on the basis of a financing agreement**

**TECHMATSTRATEG2/409122/3/NCBR/2019 of May 7, 2019, implemented**

**as part of the Strategic Research and Development Program" Modern Material Technologies"**

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| **SUBJECT OF TENDER PROCEDURE – Purchase of sputtering targets** |
| **No.** | **Name** | **Specification** | **Quantity** | **Unit** |
| **1** | **Nickel (Ni) sputtering target** | * diameter of 2" (5.08 cm)
* thickness of 0.125" (0.3175 cm)
* tolerance: +/- 0.03” (0.1 mm) on all dimensions
* purity min. 99.99%
 | **1**  | **pcs.** |
| **2** | **Copper (Cu) sputtering target** | * diameter of 2" (5.08 cm)
* thickness of 0.25" (0.635 cm)
* tolerance: +/- 0.03” (0.1 mm) on all dimensions
* purity min. 99.999%
 | **1**  | **pcs.** |
| **3** | **Zinc (Zn) sputtering target** | * diameter of 2" (5.08 cm)
* thickness of 0.25" (0.635 cm)
* tolerance: +/- 0.03” (0.1 mm) on all dimensions
* purity min. 99.99%
 | **1**  | **pcs.** |
| **4** | **Boron nitride (BN) sputtering target** | * diameter of 2" (5.08 cm)
* thickness of 0.125" (0.3175 cm)
* tolerance: +/- 0.03” (0.1 mm) on all dimensions
* purity min. 99.5%
* bonded to Cu backing plate
 | **1**  | **pcs.** |
| **5** | **Graphite (C) sputtering target** | * diameter of 2" (5.08 cm)
* thickness of 0.25" (0.635 cm)
* tolerance: +/- 0.03” (0.1 mm) on all dimensions
* purity min. 99.999%
 | **1**  | **pcs.** |
| **6** | **Tin(IV) oxide (SnO2) sputtering target** | * diameter of 2" (5.08 cm)
* thickness of 0.125" (0.3175 cm)
* tolerance: +/- 0.03” (0.1 mm) on all dimensions
* purity min. 99.99%
* bonded to Cu backing plate
 | **1**  | **pcs.** |
| **7** | **Monocrystalline silicon (Si) sputtering target** | * diameter of 2" (5.08 cm)
* thickness of 0.125" (0.3175 cm)
* tolerance: +/- 0.03” (0.1 mm) on all dimensions
* conduction: P-type, doped B
* purity min. 99.999%
 | **2**  | **pcs.** |
| **8** | **Indium(III) oxide (In2O3) sputtering target** | * diameter of 2" (5.08 cm)
* thickness of 0.125" (0.3175 cm)
* tolerance: +/- 0.03” (0.1 mm) on all dimensions
* purity min. 99.99%
* bonded to Cu backing plate
 | **1**  | **pcs.** |
| **9** | **Chromium (Cr) sputtering target** | * diameter of 2" (5.08 cm)
* thickness of 0.125" (0.3175 cm)
* tolerance: +/- 0.03” (0.1 mm) on all dimensions
* purity min. 99.95%
 | **1**  | **pcs.** |
| **10** | **Molybdenum (Mo) sputtering target** | * diameter of 2" (5.08 cm)
* thickness of 0.125" (0.3175 cm)
* tolerance: +/- 0.03” (0.1 mm) on all dimensions
* purity min. 99.95%
 | **1**  | **pcs.** |
| **11** | **Pyrolytic graphite (C) sputtering target** | * diameter of 2" (5.08 cm)
* thickness of 0.125" (0.3175 cm)
* tolerance: +/- 0.03” (0.1 mm) on all dimensions
* purity min. 99.99%
 | **1**  | **pcs.** |
| **12** | **Tungsten(VI) oxide (WO3) sputtering target** | * diameter of 2" (5.08 cm)
* thickness of 0.125" (0.3175 cm)
* tolerance: +/- 0.03” (0.1 mm) on all dimensions
* purity min. 99.9%
* bonded to Cu backing plate
 | **1**  | **pcs.** |
| **13** | **Zinc oxide (ZnO) sputtering target** | * diameter of 2" (5.08 cm)
* thickness of 0.125" (0.3175 cm)
* tolerance: +/- 0.03” (0.1 mm) on all dimensions
* purity min. 99.99%
* bonded to Cu backing plate
 | **3**  | **pcs.** |
| **14** | **Alumina-doped zinc oxide AZO sputtering target** | * diameter of 2" (5.08 cm)
* thickness of 0.125" (0.3175 cm)
* tolerance: +/- 0.03” (0.1 mm) on all dimensions
* ZnO/Al2O3 = 98 wt.%/2 wt.%
* purity min. 99.99%
* bonded to Cu backing plate
 | **2** | **pcs.** |
| **15** | **Indium-tin oxide ITO sputtering target** | * diameter of 2" (5.08 cm)
* thickness of 0.125" (0.3175 cm)
* tolerance: +/- 0.03” (0.1 mm) on all dimensions
* In2O3/SnO2 = 90 wt.%/10 wt.%
* purity min. 99.99%
* bonded to Cu backing plate
 | **2** | **pcs.** |

**OFFER FORM**

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*(Place, date)*

**Offeror:**

……………………….………………………….……………………....

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*(Full name of the Offeror and correspondence address)*

phone no .:……………….………………………………………….

e-mail: ………….…………………………………………………….

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*(contact person – name, surname, phone no.)*

**OFFER**

**in response to inquiry No. 24/TECH/2021 of** **the day 19/11/2021**

1. **Scope of works covered by the offer:**

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1. **Date of completion of the order**

No later than:

………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………

1. **Price:**

Offered total net price of the order with currency symbol:….……………………………………………………. .………………………...................................................................................................................................................................

in words: ………………………………………………………………………………………………………..………………………

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VAT tax with currency symbol:………………………………………………………………………………………………. ………………………………………………………………………………………………………………………………..…………….

in words: ……………………...................................................................................................................................................

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Offered total gross price of the order with currency symbol:……………………………….…………………... …………………………………………………………………………………..………………………………………………….……....

in words: ……………………...................................................................................................................................................

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1. **Comments:**

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*(stamp and legible signature of the person*

*authorised to represent the Offeror)*

**OFFEROR DECLARATION:**

I hereby declare that………………………………………..……………….. *(full name of the Offeror):*

1. employs a personnel with the knowledge and experience necessary
to implement the subject of the order;
2. has the technical potential necessary to perform the subject of the order;
3. has economic and financial position adequate to guarantee the completion of the subject
of the order.

I hereby declare, that the presented offer is coherent with the above-mentioned detailed description of the ordered of the inquiry No. **24/TECH/2021** of the day **19/11/2021.**

…………………………………………………

*(stamp and legible signature of the person*

*authorised to represent the Offeror)*

**DECLARATION REGARDING THE LACK OF CAPITAL AND/OR PERSONAL CONNECTION
WITH CENTRUM BADAŃ I ROZWOJU TECHNOLOGII DLA PRZEMYSŁU S.A.**

I, signed hereunder ………………………………………….acting on behalf of……………………….………………*(full name of the Offeror)* hereby declarethat between me, acting as a Offeror, and Centrum Badań
i Rozwoju Technologii dla Przemysłu S.A. (hereinafter referred to as **“CBRTP S.A”** or ”**the contracting authority**”), do not exist any capital and/or personal relations understood as mutual relations with CBRTP S.A. and/or with the persons authorised to incur the obligations on behalf of CBRTP S.A. and/or with the persons who perform the activities concerning the preparation and completion of the bidder selection procedure, consisting particularly in:

1. participating in the company as a partner in a civil law partnership or partnership,
2. owning at least 10% of shares or stocks,
3. being an entity remaining with the contracting authority or members of its organs in such a factual or legal relationship that may raise justified doubts as to the impartiality in the selection of the tenderer, in particular in being married, in relation to kinship or affinity in a straight line, kinship of the second degree or affinity in the collateral line or in relation of adoption, care or guardianship,
4. being a member of the supervisory authority board, proxy or procurator at the contracting authority,
5. a relationship or being a subsidiary, jointly controlled entity or parent entity within the meaning of the polish Accounting Act of September 29, 1994 (Dz.U.2021.217 t.j. z dnia 01.02.2021),
6. being a linked entity1 or partner entity2 within the meaning of Regulation No. 651/2014,
7. being a related entity within the meaning of art. 32 sec. 2 of the polish Act on tax on goods and services of March 11, 2004 (Dz.U.2021.685 t.j. z dnia 14.04.2021)

….…………………………………………..

*(stamp and legible signature of the person*

*authorised to represent the Offeror)*

1**. Linked enterprises** means enterprises which have any of the following relationships:

(a) an enterprise has a majority of the voting rights of another enterprise as shareholder or member;

(b) an enterprise has the right to appoint or remove a majority of the members of that enterprise's administrative, management or supervisory body;

(c) an enterprise has the right to exercise a dominant influence over another enterprise pursuant to a contract entered into with that enterprise or to a provision in its memorandum or articles of association;

(d) an enterprise, which is a shareholder or member of another enterprise, controls alone, pursuant to an agreement with other shareholders in or members of that enterprise, a majority of shareholders 'or members' voting rights in that enterprise.

2. **Partner enterprises** are all enterprises that have not been classified as linked enterprises within the meaning of section 3 and between which there are the following relationships: an undertaking (upstream) owns, either solely or jointly with one or more linked enterprises within the meaning of section 3, at least 25% of the capital or voting rights of another downstream enterprise.