ANNEX 1

**Tender for**

**PURCHASE OF THE solar cell stringer**

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

(Data)

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

(Place)

|  |  |
| --- | --- |
| Supplier’s name */If a group of economic entities participates, the names of all tenderers are to be written down /* |  |
| Supplier’s address */If a group of economic entities participates, address of the responsible partner is to be written down/* |  |
| Enterprise code |  |
| Name and surname of the person responsible for the tender |  |
| Telephone number |  |
| Email address |  |

1. By this tender we state that we agree with all the contract conditions laid down in:

1) notice of the open tendering procedure published in the portal www.esinvesticijos.lt 2023 m. \_\_\_\_\_\_\_ d.;

2) these conditions of the tender;

3) other conditions documents (their explanations, supplements).

2. We offer the following goods:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Number of the lot | Name of Goods | Unit | Price (exclusive of VAT) | VAT | Total price (inclusive of VAT ) |
| 1 | **PV Cell soldering stringer** | 1 |  |  |  |

The price of the goods includes the costs of equipment delivery, installation and start-up, as well as employee training. The offered goods are new, unused.

3. For the performance of the procurement contract, I will engage the following sub-suppliers (*to complete only when sub-suppliers will be engaged for the performance of the contract):*

|  |  |
| --- | --- |
| Name(s) of the sub-supplier(s) or (sub-provider(s) |  |
| Address of the of the sub-supplier(s) or (sub-provider(s) |  |
| Share of obligations (in percentage) for which a sub-supplier(s) or sub-provider(s) is intended to be engaged |  |

The offered goods fully meet the requirements specified in the procurement documents and their characteristics are as follows:

**Technical – technological requirements:**

|  |  |  |  |
| --- | --- | --- | --- |
| ***No.*** | ***Technical characteristic or parameter*** | ***Requirements*** | ***Technical characteristic or parameter of the proposed Equipment*** |
| 1. ***General characteristics*** | | | |
| 1.1 | Power supply | 3 phases, 5wires AC 380-400V 50/60Hz;  Power consumption: peak <= 45kW, average: <= 25kW |  |
| 1.2 | CDA pressure, Mpa | 0.6 – 0.8 |  |
| 1.3 | Dimension of the system installation, mm | No more than: 8500(L)×4000(W)×2700(H) mm. |  |
| 1.4 | Weight, kg | <7.500 |  |
| 1.5 | Number of soldering tracks, pcs. | Not less than 2 |  |
| 1.6 | Solar cell technology | Stringer must be able to process most common mono & poly crystalline solar cells (PERC, monofacial, bifacial) |  |
| 1.7 | Solar cell type | Machine must include the kits required to process the below solar cell formats (type, size, number of busbars):   * M10, 182 x 182 mm, 10 busbar (installed as primary) for 2 tracks; * M10, 182 x 91 mm, 10 busbar for 2 tracks; * M6, 166 x 166 mm, 9 busbar for 2 tracks; * M6, 166 x 83 mm, 9 busbar for 2 tracks;   Machine should have an option to integrate additional kits to process the below solar cell formats on demand:   * M3, 158.75 x 158.75 mm, 5 busbar; * M12, 210 x 210 mm, 12 busbar; * M12, 210 x 105 mm, 12 busbar; * M12, 210 x 70 mm, 12 busbar. |  |
| 1.8 | Solar cell cutting | Stringer must be equipment with built-in (integrated) solar cell laser cutter |  |
| 1.9 | Solar cell string quality inspection | Machine must be equipped with EL (electroluminescence) imaging device to inspect the soldered strings for possible defects |  |
| 1.10 | Solar cell thickness, μm | 170 - 200 |  |
| 1.11 | Length of the solar strings | 2400 mm or more |  |
| 1. ***Process parameters*** | | | |
| 2.1 | Soldering speed, cells/hour | Not less than 2000 cells/hour for full cells for 2 tracks;  Not less than 3400 cells/hour for cut cells for 2 tracks. |  |
| 2.2 | Soldering technology | IR soldering |  |
| 2.3 | String straightness deviation: | ±0.5mm or better |  |
| 2.4 | Solar cell splitting | back scoring by laser; split into stripes mechanically |  |
| 2.5 | Uptime | Not less than 95% |  |
| 2.6 | Cell crack ratio for mono cells, % | 0.35 or better |  |
| 1. **Requirements for security** | | | |
| 3.1 | Facility requirement (temperature, humidy, floor loading) | Environment Temperature ： 5～40℃  Humidity：50 - 70% |  |
| 3.2 | Overall exhaust airflow rate, m³/h | >=500 |  |
| 1. ***Additional requirements*** | | | |
| 4.1 | Equipment transportation, installation, commissioning, training | Necessary |  |
| 4.2 | Certificate | CE certification or equivalent to be provided for the equipment |  |
| 4.3 | Documents | Equipment speficications, Operation & Maintenance manuals and other documents to be provided in Lithuanian or English language |  |
| 4.4 | Warranty and post-warranty | Minimum 12 month warranty and post-warranty service |  |
| 4.5 | Equipment | New, unused |  |

*Suppliers are asked to indicate the digital technical parameters of the equipment offered in the right column. When this is not possible, the supplier is asked if the requirement will be fulfilled (YES - the requirement is fulfilled, NO - the requirement is not fulfilled*

The offer is valid for 90 calendar days.

I, the undersigned, confirm that all the information contained in our bid is correct and that we have not concealed any information requested from tenderers.

I represent that I was not involved in the drafting of the contract documents and that I am not related to any other undertaking involved in this tender or any other stakeholder.

I understand that should any of the above circumstances transpire to be true I will be excluded from this tender procedure and my bid will be rejected.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| (Job title of Supplier or its authorised person) |  | (signature) |  | (name and surname) |  |

(SEAL)

ANNEX 3

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

*(Name, code, contact information of supplier)*

UAB „Modernios E-Technologijos“

Vismaliuku str. 34, Vilnius

**SUPPLIER’S DECLARATION**

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

(Date)

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

|  |
| --- |
| (Place)  I, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ , |
| *(position, name of the manager of the supplier or his authorized person )* |
| confirm that \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ , |
| *(name of supplier)* |
| *that I manage/represent* and which is taking part in procurement of **the PV Cell soldering stringer** organized by UAB „Modernios E-Technologijos", as published on European Union structural assistance website [www.esinvesticijos.lt](http://www.esinvesticijos.lt) , on **6th**  **of March, 2023** , Over the last 3 financial years or from the date of its registration (if the Supplier is in business for less than 3 years), the Supplier has executed or is currently executing at least 1 (one) **one similar** contract (PV Cell soldering stringer), the **value of which is not less than 0.7 of the value of the Tender excluding VAT**: |

|  |  |  |  |
| --- | --- | --- | --- |
| **No.** | **Subject of the contract** | **Value of the contract EUR (excluding VAT)** | **Dates of contract signature and completion** |
|  |  |  |  |
|  |  |  |  |

I am aware that should UAB „Modernios E-Technologijos“ determine that the provided data are false, the submitted tender will not be analyzed and will be rejected.

|  |  |  |
| --- | --- | --- |
| (Position of the supplier or his authorized person) | (Signature) | (Name, Surname) |