# *ANNEX II + III:* TECHNICAL SPECIFICATIONS + TECHNICAL OFFER

**Supply of Lyophilizer and additional equipment for the project MILKYWAY**

**Ref. no. MILKYWAY/HR-RS00159-1/EQUIPMENT**

**Columns 1-2 should be completed by the Project partner**

**Columns 3-4 should be completed by the tenderer**

**Column 5 is reserved for the evaluation committee**

Annex III - the Contractor's technical offer

The tenderers are requested to complete the template on the next pages:

* Column 2 is completed by the Project partner shows the required specifications (not to be modified by the tenderer),
* Column 3 is to be filled in by the tenderer and must detail what is offered (for example the words “compliant” or “yes” are not sufficient)
* Column 4 allows the tenderer to make comments on its proposed supply and to make eventual references to the documentation

The eventual documentation supplied should clearly indicate (highlight, mark) the models offered and the options included, if any, so that the evaluators can see the exact configuration. Offers that do not permit to identify precisely the models and the specifications may be rejected by the evaluation committee.

The offer must be clear enough to allow the evaluators to make an easy comparison between the requested specifications and the offeredspecifications.

The requirements set out in the technical specifications represent the minimum technical characteristics which offered goods must satisfy, unless stated otherwise, and tenderers are not allowed to modify technical specification in any way.

For each item for which it is not explicitly stated that it is allowed to offer goods of the equal characteristics, i.e. for each item where it is not stated “or equivalent”, for the purposes of this tender documentation it is assumed that words “or equivalent” are stated, and tenderer is allowed to offer equivalent goods / goods of equivalent characteristics.

**Lot no. 1 – Lyophilizer**

| **1.**  **Item Number** | **2.**  **Specifications Required** | **3.**  **Specifications Offered** | **4.**  **Notes, remarks,  ref to documentation** | **5.**  **Evaluation Committee’s decision (Y/N)** |
| --- | --- | --- | --- | --- |
| 1 | **Lyophilizer 300 kg of frozen fruit** with next characteristics **– 1 pc**:  - Freeze dryer 300 kg of frozen fruit Capacity 1 freeze dryer with a capacity of 300 kg of fruit, vegetables, liquids such as milk and whey  - Material: stainless steel SS304 or suitable grade approved for food processing  - Cooling system: temperatures from - 40o C to - 45o C  - Heating system: temperatures from 0o C to 90o C by indirect heating of containers with the product  - Vacuum system: pumps (no oil vacuum pump) with minimal impact on the environment - vibration noise and exhaust gases  - Sensors for vacuum measurement and control during the entire drying process integrated into a unique process management system  - Management system: temperature regulation and monitoring of the cooling system, heating system and vacuum system with an industrial PLC with a touch panel that manages the entire process and registers changes, creating program reports of the entire lyophilization process, vacuum, cooling and heating |  |  |  |
|  | **Delivery**  Equipment must be delivered to Chamber of Commerce and Industry of Vojvodina, Braće Popović 5, 21000 Novi Sad |  |  |  |
|  | **Installation training**  Installation training must be provide for min. 2 persons defined by Chamber of Commerce and Industry of Vojvodina |  |  |  |
|  | **Warranty period**  Min. warranty period is 2 years from the date of delivery |  |  |  |

**Lot no. 2 – Additional equipment for Lyophilizer**

| **1.**  **Item Number** | **2.**  **Specifications Required** | **3.**  **Specifications Offered** | **4.**  **Notes, remarks,  ref to documentation** | **5.**  **Evaluation Committee’s decision (Y/N)** |
| --- | --- | --- | --- | --- |
| 1 | **Ramp trolley for inserting frozen products and extracting dried products** – **1 pc**: |  |  |  |
| 2 | **Trolley with 52 shelves for receiving goods from the Lyophilizer to the chamber** – **1 pc**: |  |  |  |
|  | **Delivery**  Equipment must be delivered to Chamber of Commerce and Industry of Vojvodina, Braće Popović 5, 21000 Novi Sad |  |  |  |
|  | **Warranty period**  Min. warranty period is 2 years from the date of delivery |  |  |  |