**ANNEX 4** OF TENDER DOCUMENTATION

TECHNICAL SPECIFICATIONS

SUBJECT OF PROCUREMENT: Procurement of wood sawing and planing plant with software

*The bidder should offer each item as requested in the column "Required specifications and functionalities". The offered subject of procurement is correct and acceptable only if it meets all required conditions and properties. It is not acceptable to cross out or correct the item listed in the Required Specifications column.*

*The bidder must fill in the column "Offered specifications", defining in detail the technical specifications of the offered subject of procurement (note: the bidder fills in the technical specifications by entering the exact characteristics of the offered service, avoiding filling in the column only with words such as "it satisfies", "YES", "equivalent requested" or "corresponds to the requested"). Bids of bidders who do not fill in the technical specifications with the exact characteristics of the offered service may be rejected.*

*The bidder can fill in the "Notes" column if he deems it necessary. The requirements defined in the Technical Specifications represent the minimum technical characteristics that the offered service must meet.*

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| --- | --- | --- | --- |
| **Item number** | **Required specifications and functionalities** | **Offered specifications** | **Notes** |
| **I.** | **WOOD SAWING AND PLANING PLANT WITH SOFTWARE** | | | |
| 1. | **General plant functionalities**  **1. Plant capabilities**  - full 3D reproduction of the workpiece profile  - reception and processing of coniferous wood  - transverse transport  **2. Plant capacity**  The plant should be able to trim a minimum of 15 boards per minute. This applies to boards measuring 4000 cm x 30 cm x 2.5 cm (length, width, thickness)  **3. Workpiece dimensions**  The plant should enable the processing of boards of the following dimensions:  - thickness from 10 mm to 200 mm  - width from 80 mm to 800 mm  - length from 2000 mm to 6100 mm |  |  |
| 2. | **Transport and substructure parts of the plant**  **1. Edge processing machine**  The edging machine should include the following parts:  - transverse transport station (1 piece)  - transverse transport station for prism with switches (1 piece)  - S transport station (1 piece)  **2. Transmission system**  The transmission system should include the following parts:  - transport station for receiving goods  - circular saw for cutting  -stand with leveling rollers  - alternating transverse station  - centering machine with chain bed and servo-hydraulic bumpers  - hydraulic drive  **3. Goods removal system**  The system should include the following parts:  - cross conveyor with existing switches (1 piece)  - conveyor belt for return of cargo (1 piece)  - sliding table with redirection over side positions (1 piece)  - waste switch (1 piece)  **4. Substructure**  The substructure of the plant should be made of steel |  |  |
| 3. | **Control and measuring station**  Control and measuring station capabilities  -the control station with the equipment should enable the connection of all parts of the plant and control  -measuring station should enable measurement and optimization of the cut product |  |  |
| 4. | **Edge scanner**  The scanner should consist of the following parts and performance:  - a minimum of 250 GB of SSD storage  - a minimum of 1 TB of HDD storage  - a minimum of 16 GB of RAM  - minimum 8 measuring modules with housing  - HD smart camera and 2 lasers  - graphic card  - optically connected inputs and outputs  - distribution cabinet for optical modules and networks for measuring modules positioned on the measuring tape  - peripherals: monitor, mouse and keyboard  - power cable with a minimum length of 15 m |  |  |
| 5. | **Additional**  - Minimum of 12 months Warranty from the date of delivery, for the use of the plant in one shift for 8 hours  - Plant installation and programming service |  |  |
| **II.** | **EDUCATION FOR OPERATING THE WOOD SAWING AND PLANING PLANT** | | |
| 1. | **Education for operating the plant**  The service includes training for operating the wood sawing and planing plant with software, for 12 participants lasting 5 working days. |  |  |

In \_\_\_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_/\_\_\_ /2021.

M.P.

ON BEHALF OF THE BIDDER:

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