**TECHNICAL SPECIFICATIONS**

**TECHNICAL SPECIFICATION – Circular saw**

Tenderers are required to fill in column 3 with a detailed description of the supplies offered (words such as "compliant" or "yes" are not sufficient). The Tenderer shall not change the specifications stated in column 2.

For all manufacturers, types of products, standards or norms that are set out in the technical specifications applies "or equivalent”. Any supporting documentation which the Tenderer submits to complement the offer shall clearly indicate the models or options being offered. Offers which do not identify precisely the models and specifications may be rejected.

**Technical specifications** listed in the table in the check-list format represent minimum standard for every single item of the requested specifications and are sole basis for evaluating the technical compliance of the offers. The Tenderer can also offer products that meet higher standards or technical specifications better than the minimum.

In order for the offer to be considered valid, the offered supplies should satisfy all what is requested in the below table Technical specifications.

|  |  |  |  |
| --- | --- | --- | --- |
| **Nr.** | **Requested specifications** | | **Offered specifications** |
| **I.** | **II.** | | **III.** |
| 1. Circular saw | Circular saw  Quantity: 1 piece | |  |
|  |  | | **Quantity:** |
|  |  | | **Manufacturer:** |
|  |  | | **Model:** |
|  | ***Parameter / item*** | ***Characteristic***  ***(minimum requirements)*** |  |
| * 1. Technical requirements | Cutting length | 3300 mm |  |
|  | Maximum saw blade diameter | Min. 680 mm |  |
|  | Saw blade projection | Min. 215 mm |  |
|  | Maximum clamp opening | Min. 220 mm |  |
|  | Maximum book height | Min. 200 mm |  |
|  | Minimum book height | Max. 6 mm |  |
|  | Construction height | Max. 2500 mm |  |
|  | Vibration | Vibration free |  |
|  | Moving possibility | Servo drive |  |
| * 1. Power and speed | Main saw motor power | Min. 55 kw |  |
|  | Saw travel speed forward | from 0,1 to 80 m/min |  |
|  | Saw travel speed reverse | Min. 80 m/min |  |
|  | Feeder travel speed reverse - rip-cut-saw | 30 m/min |  |
| * 1. Accuracy | Positioning accuracy | ±0,1 mm |  |
|  | Straightness of cut | ±0,1 mm at 3 m cutting length |  |
| * 1. Saw parts | Main saw blade | Automatic cutting length and height adjustment |  |
|  | Saw blade monitoring device | with sensor |  |
|  | Lubrication system for main saw blade | 3 nozzles for lubrication |  |
|  | Cleaning system | Clean-up cut  Automatic central cleaning of guideways from the base machine  Automatic central cleaning of guideways and rollers from the feeder carriage |  |
|  | Management of chips | Automatic chip pusher  Extraction system slider  Chip basket for capturing of chips |  |
|  | Circular saw table and addendums to the table | Fixed operating table and two movable tables with option of ball air valves for easier movement of the material |  |
|  | Roller table | for cutting lengths 330mm |  |
|  | Additional devices | Dust protection device, Cross aligning device, Cross aligning fence |  |
|  | Length of the dual guide for feeder | 5000 mm |  |
|  | Feeder carriage and break | Servo drive  Linear brake |  |
|  | Pieces of clamps | Min. 10 |  |
|  | Protection | Central fan, Protection fence, Safety curtain, Grid with door |  |
|  | Maintenance of cleanliness | Dust extraction system of minimum motor power 15 kw |  |
| * 1. Circular saw software | Raw material cut management system | Includes parameters for different types of boards based on the material types |  |
|  | Remote diagnostic system | via Internet |  |
|  | System for marking remainders | Option of marking the remainders and their further use |  |
|  | Additional systems which can be offered by a Tenderer – selection criteria | System for label printing and editing with printer  System for recording of events |  |
| * 1. Service | Reaction speed - selection criteria | Max. 48 hours from the failure notification |  |
| * 1. Warranty period | Minimum warranty period | 12 months |  |
| 1. **Education** | Education of employees for work on circular saw | 10 working days |  |

**Place and date:**

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**On behalf of Tenderer:**

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Name and surname of authorized person

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Signature of authorized person