**TEHNICAL SPECIFICATIONS**

**Procurement name:**Procurement of CNC laser for metal processing

**Columns 1-2 are filled in by the Client**

**Column 3 is filled in by the Bidder - obligatory**

**Column 4 is filled in by the Bidder - as required**

Technical offer of the equipment supplier:

Bidders are required to fill out templates on the following pages:

* Column 2 is filled in by the contracting authority and shows the required technical specifications (modification of the same by the bidder is not allowed),
* Column 3 is filled in by the bidder with details of the offered equipment
* Column 4 allows the bidder to enter comments on its proposed equipment, and instructions for accompanying documentation of the offered items.

**All types, manufacturers, brands, standards and norms listed in the technical specifications are considered to be referred to as "or equivalent" . Any supporting documentation submitted by the Bidder as a supplement to the bid must clearly indicate the models or options offered. Bids that do not accurately identify models and specifications may be rejected.**

**The technical specifications listed in the table in the form of a checklist covering the equipment and implementation tasks are mandatory as a minimum standard for each individual item of the required goods and are the only basis for assessing the technical compliance of tenders. Bidders may also offer products that meet higher standards, ie technical specifications, than the minimum.**

**NOTE: The Bidder fills in only those technical specifications of the groups for which it submits a bid, for groups for which it does not submit a bid, the Bidder leaves boxes 3 and 4 blank.**

| **1.**  **Ordinal**  **number** | **2.**  **Required technical specifications** | **3.**  **Offered technical specifications** | **4.**  **Notes , remarks , instructions on the accompanying documentation (in case of answers NO in column 3, state what is offered equally )** |
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| **1.** | **CNC laser for metal processing (minimum)** |  |  |
| 1.1. | * X-axis offset length : minimum 3000 mm * Y- axis offset length : minimum 1500 mm * Z- axis offset length : minimum 135 mm * Maximum speed of X, Y axis : minimum 90 m / min * Maximum combined speed of the X, Y axis : minimum 130 m / min * Positioning accuracy - entire workbench : maximum 0.04 mm * Repeatability - entire workbench : maximum 0.04 mm * Adaptive collimator * Maximum axle acceleration: minimum 1.5 g * Laser source power : minimum 6 kW * Own laser source * Fiber laser technology * Maximum cutting thickness - black sheet metal : minimum 22 mm * Maximum cutting thickness – stainles steel: minimum 18 mm * Maximum cutting thickness - aluminum : minimum 18 mm * Maximum cutting thickness - copper : minimum 8 mm * Maximum cutting thickness - brass : minimum 8 mm * Protection of the cutting head from impact * Cantilever type of machine construction * Possibility of fast penetration of structural steel with a combination of oxygen and nitrogen * Machine base resistant to vibration and thermal dilation (machine base synthetic granite or equivalent) * Interchangeable pallets * Possibility of opening the entire side of the cab for better accessibility to the cutting area * Touch screen display: minimum 15 " * Water cooler with preheating * UPS (Uninterruptible Power Supply) for CNC * Pre-filter unit for cutting aluminum * Off-line software * Wide material database with the cutting parameters of the main materials and thicknesses the machine can cut |  |  |
| 1.2. | * Transport of the machine * Installing the machine * Training of employees to work on the machine (minimum 20 hours) |  |  |

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| --- | --- | --- | --- |
| Date: | MP |  | (Signature of the authorized person of the Bidder ) |