ANNEX II + III: TECHNICAL SPECIFICATIONS + TECHNICAL OFFER

Contract title: Supply of CNC Press Brake – LOT 1

Publication reference: BGMK0500186 / PP2-2 / LOT 1

Columns 1-2 should be completed by the contracting authority
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 contracting authority 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 offered specifications.

1. Item number	2. Specifications required	3. Specifications offered	4. Notes, remarks, ref to documentation	5. Evaluation committee's notes
1	New, unused CNC hydraulic press brake, CE compliant, supplied with the tools necessary for operation.			
2	Bending force: Minimum 2500 kN or minimum 240 tons.			
3	Bending length: Minimum 4000 mm.			
4	Working (ram) speed: Minimum 8.5 mm/s.			
5	Return speed: Minimum 100 mm/s.			
6	Distance between uprights: 2900–3100 mm.			
7	Throat depth: 400–450 mm.			
8	Axis configuration: CNC multi-axis control, minimum 6 axes (Y1, Y2, X, R, Z1, Z2).			
9	Control system: CNC graphical interface with offline programming capability.			
10	Frame design: Welded mono-block, stress-relieved for stability.			
11	Tooling: Die set with multiple V openings.			

1. Item number	2. Specifications required	3. Specifications offered	4. Notes, remarks, ref to documentation	5. Evaluation committee's notes
12	**Crowning system: Mechanical or CNC-controlled crowning for precision bending.**			
13	**Feeding system: Manual/semi-automatic.**			
14	**Measurement system: Optical scales for position feedback.**			
15	**Hydraulic system: Industrial-grade hydraulic components.**			
16	**Motor: High-efficiency motor (step/servo motor).**			
17	**Electrical cabinet: Equipped with standard industrial components.**			
18	**Safety: The machine must be equipped with appropriate safety equipment and comply with CE requirements.**			
19	**Delivery, installation and commissioning: Delivery on DAP terms (Incoterms 2020) to Birosafe Ltd., Goce Delchev str. no. 121, Strumica, Republic of North Macedonia, including unloading, positioning, installation, commissioning and a trial run by the contractor, completed no later than 20 July 2027.**			

1. Item number	2. Specifications required	3. Specifications offered	4. Notes, remarks, ref to documentation	5. Evaluation committee's notes
20	**Training: On-site training of Birosafe's operators, minimum 2 days.**			
21	**Warranty: Warranty of minimum 12 months from provisional acceptance; defective parts are replaced free of charge.**			
22	**Documentation: User and maintenance manuals in English and the EC/CE declaration of conformity.**			

Contract title: Supply of CNC Automatic Panel Bender – LOT 2

Publication reference: BGMK0500186 / PP2-2 / LOT 2

1. Item number	2. Specifications required	3. Specifications offered	4. Notes, remarks, ref to documentation	5. Evaluation committee's notes
1	New, unused automatic panel bending machine, CE compliant, supplied with the tools necessary for operation.			
2	Maximum bending length: Minimum 2100 mm.			
3	Maximum bending dimensions: Length – minimum 2100 mm; width – minimum 1200 mm.			
4	Maximum bending thickness – stainless steel sheet: At least 1.2 mm.			
5	Maximum bending thickness – cold rolled plate: At least 2 mm.			
6	Maximum bending thickness – aluminium plate/sheet: At least 3 mm.			
7	Minimum material thickness: The machine must be able to process material from 0.3–0.5 mm thickness.			

1. Item number	2. Specifications required	3. Specifications offered	4. Notes, remarks, ref to documentation	5. Evaluation committee's notes
8	**Axis configuration: Minimum 13 axes (including X, Y, R, Z, crowning).**			
9	**Maximum bending height: At least 170 mm.**			
10	**Automatic holding, positioning and bending: Required.**			
11	**Control system: Integrated programmable logic controller.**			
12	**Motor: High-efficiency motor (step/servo motor).**			
13	**Safety: The machine must be equipped with appropriate safety equipment and comply with CE requirements.**			
14	**Delivery, installation and commissioning: Delivery on DAP terms (Incoterms 2020) to Birosafe Ltd., Goce Delchev str. no. 121, Strumica, Republic of North Macedonia, including unloading, positioning, installation, commissioning and a trial run by the contractor, completed no later than 20 July 2027.**			
15	**Training: On-site training of Birosafe's operators, minimum 2 days.**			

1. Item number	2. Specifications required	3. Specifications offered	4. Notes, remarks, ref to documentation	5. Evaluation committee's notes
16	**Warranty: Warranty of minimum 12 months from provisional acceptance; defective parts are replaced free of charge.**			
17	**Documentation: User and maintenance manuals in English and the EC/CE declaration of conformity.**			