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|  | **AB "LIETKABELIS"** | | | | | | | | | |
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|  | (Joint Stock Company, J. Janonio g., 4 LT-35101 Panevėžys, Lithuania, data about the company is collected and stored at „LR Registrų centras“ registration No: 147738655, VAT code: LT477386515) | | | | | | | | | |
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|  | **TERMS OF COMPETITION** | | | | | | | | | |
|  |  | | | | | | | |  | |
|  | **Object of procurement: Automated automotive cable production line with integrated digitization technology** | | | | | | | | | |
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|  | **1.     GENERAL PROVISIONS** | | | | | | | | | |
|  |  | | | | | |  | | | |
| 1.1. | Contracting authority: | | | | | | AB Lietkabelis | | | |
| 1.2. | This procurement shall be carried out within the framework of the Norwegian Financial Mechanism project: | | | | | | “AB „Lietkabelis“ investments in automation and digitization of production by increasing work productivity” No. LT07-1-EIM-K05-006. | | | |
| 1.3. | Intended to procure: | | | | | | a new **automated automotive cable production line with integrated digitization technology**, consisting of three lots:  Lot 1 - Double Twist Buncher.  Lot 2 - High Performance Automotive Wire Extrusion Line.  Lot 3 - Automatic Double Spooler for Insulated Wires. | | | |
| 1.4. | The procurement procedure follows: | | | | | | the description of the procedure for the supervision of procurement of the projects of the European Economic Area and the Norwegian Financial Mechanisms and the projects of the Bilateral Cooperation Fund and the procedures for the conduct of procurement by the non-procuring organizations and the contracting authorities in accordance with the Regulations, approved by the Order of the Director of the public enterprise Central Project Management Agency of 8 July 2019 No. 2019/8-172, "On the adoption of the description of the procedures for the supervision of procurement and the conduct of procurement by non-contracting entities and contracting authorities under the Regulations in respect of the projects of the European Economic Area and the Financial Mechanisms of the European Economic Area and Norway for the period 2014 – 2021, as well as the projects of the Bilateral Cooperation Fund" **(hereinafter - Rules)**, Civil Code of the Republic of Lithuania (hereinafter – Civil Code), other legal acts and these terms of competition. The concepts used in these procurement documents are defined in the Rules. | | | |
| 1.5. | The announcement of the procurement was published in: | | | | | | EU structural assistance website **www.esinvesticijos.lt** | | | |
| 1.6. | The form and principles of procurement: | | | | | | The procurement is being executed in the form of competition in accordance with the principles of the free movement of goods, freedom of establishment and the freedom to provide services and shall follow the principles of equality, non-discrimination, mutual recognition, proportionality, and transparency. | | | |
| 1.7. | Repetition of procurement: | | | | | | Should all suppliers’ tenders fail to meet requirements specified herein, the Contracting Authority has a right to repeat procurement procedure according to the Rules. | | | |
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|  | **2. OBJECT OF PROCUREMENT** | | | | | | | | | |
|  |  | | | | | |  | | | |
| 2.1. | Object of procurement: | | | | | | **automated automotive cable production line with integrated digitization technology**, consisting of three lots:  Lot 1 - Double Twist Buncher.  Lot 2 - High Performance Automotive Wire Extrusion Line.  Lot 3 - Automatic Double Spooler for Insulated Wires. | | | |
|  |  | | | | | | The requirements for the parts of the procurement object shall be set out in **Appendix No.2** “Technical Specification.” | | | |
| 2.2. | Offering equivalent objects: | | | | | | Where, in describing the Procurement object, the technical specification refers to a particular model or source of supply, to a particular process inherent in the goods or services supplied by a particular supplier, or to a trademark, a patent, types, a particular origin or manufacture, it shall be presumed that each of the following indications is accompanied by the words "or equivalent".  Where, in describing the Procurement object, a technical specification refers to a standard, a technical certificate or a general technical specification (a Lithuanian standard adopting a European standard, a European Technical Assessment Approval Document, a general technical specification for information and communication technologies, an international standard, other systems of technical norms established by the European Standardizations Organizations, a national standard, a national technical certificate or a national technical specification relating to the design of the works, the calculation and execution of the estimates, and the use of the goods), it shall be presumed that each of the following indications is accompanied by the words "or equivalent". | | | |
| 2.3. | Dividing Object of procurement | | | | | | The procurement object is divided into three lots, the scope and subject-matter of which, the requirements and the technical specification are set out in **Appendix No 2** to the Special Terms and Conditions. A supplier may submit a tender for one for two or all lots. Tenders will be evaluated separately for each lot of the Procurement. A separate contract shall be concluded for each lot. If the same supplier wins two or three lots, one joint contract may be concluded for two or three lots of the purchase. | | | |
| 2.4. | Delivery terms | | | | | | The seller must, no later than **2024 March 30** to deliver the Goods, and no later than **2024. April 30** install, start-up and train employees to work with the equipment. | | | |
| 2.5. | Place of delivery | | | | | | J. Janonio g. 4 g. LT-35101 Panevėžys, Lithuania | | | |
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|  | **3. QUALIFICATION REQUIREMENTS FOR SUPPLIERS** | | | | | | | | | |
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| 3.1. | Qualification requirements for suppliers | | | | | | Supplier willing to participate in the procurement has to meet minimal qualification requirements indicated in the **Appendix No. 3**. Requirements for compliance with quality management system standards shall be set for suppliers. | | | |
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|  | | **4. PREPARING, SUBMITTING AND AMENDING THE TENDERS** | | | | | | | |
|  | |  | | | | |  | | |
| 4.1. | | Compliance with the requirements of the Terms of competition: | | | | | In submitting the tender, the supplier agrees with the terms of competition and confirms that information in his tender is correct and includes everything required for the proper execution of the procurement contract. | | |
| 4.2. | | Deadline for tender submission | | | | | The tender should be submitted no later than **2023-09-25, 4:00 p.m**. (by the time of Republic of Lithuania) by post, carrier or delivered directly to: J. Janonio g. 4 g. LT-35101 Panevėžys, Lithuania. Contracting Authority shall promptly provide a written confirmation also indicating the date, hour, and minute of receiving the tender, upon request of the supplier. | | |
|  | |  | | | | | If the proposal is submitted late due to delay of post, or other unforeseen events, the contracting authority is not responsible for this and will return the offer to the suppliers without opening. | | |
| 4.3. | | Postponed deadline for tender submission | | | | | The Contracting Authority has a right to postpone the deadline for tender submission. The Contracting Authority shall announce the new deadline for tender submission for all suppliers participating in the procurement and in EU structural assistance web site **www.esinvesticijos.lt**. | | |
| 4.4. | | Calculating the price of tender | | | | | Prices in the tender shall be represented in Euros calculated and presented according to the Appendix No. 1 (Form of tender); in calculating the price the entire quantity of object of procurement, components of price, technical specifications, etc. has to be taken into account. The tender price must include all taxes and all expenses of the supplier, associated with the proper execution of procurement contract. | | |
| 4.5. | | The form of tender submission | | | | | Supplier should submit a tender in the form provided in the Appendix 1 (Form of tender), in writing and duly signed by the supplier or a person authorized by the supplier. The tender must be submitted in sealed envelope. The envelope must be marked: **Title of Contracting authority, Adress of Contratcting authority, Object of procurement, Supplier's title and address.** The envelope can also be marked "Not to be opened before the tender submission deadline". The envelope with the tender shall be returned to the supplier if it is submitted in an unsealed envelope. | | |
| 4.6. | | Language of the tender: | | | | | The tenders and any other correspondence must be in Lithuanian or (and) in English. | | |
| 4.7. | | The tender must contain the following documents: | | | | | Filled in form of tender (provided in **Appendix No. 1** of the terms of competition); | | |
|  | |  | | | | | Joint activity agreement or duly certified copy of agreement, when a joint tender is submitted by a group of economic entities.  Authorization to sign the tender (where the tender is signed not by the manager of the supplier (legal entity)  Documents proving compliance with qualification requirements and with quality management system standards - **Appendix No.3.**  Technical documentation for the proposed equipment – Descriptions of the Technical Parameters of the Components. | | |
|  | |  | | | | | Other documents or information required in terms of competition. | | |
| 4.8. | | Number of tenders | | | | | The Supplier may submit only one tender either as an individual tenderer or as member of a group of economic entities, for one for two or all lots. If the supplier submits more than one tender, or a member of a group of economic entities participates in submitting a number of tenders, all such tenders shall be rejected. | | |
| 4.9. | | Alternative tenders | | | | | The supplier is not allowed to submit alternative tenders. Should the supplier place an alternative tender, his tender, and the alternative tender (alternative tenders) shall be rejected. | | |
| 4.10. | | Amending / Withdrawing the tender | | | | | Before the deadline for tender submission, the supplier can amend or withdraw its tender. Such amendment or notification about the withdrawal shall be deemed valid if the Contracting Authority receives it in writing prior to the deadline for tender submission. | | |
| 4.11. | | Tender expiration term | | | | | The tender must be valid at least until **2023-12-25**. If validity period is not indicated in the Tender, it is considered that the tender is valid until the date indicated in the terms of competition. | | |
| 4.12. | | Extending tender expiration term | | | | | While tenders are not expired, the Contracting Authority may ask the suppliers to extend tender validity until a specific date. The supplier has a right to reject such request. | | |
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|  | | **5. EXPLANATIONS AND REVISIONS OF THE TERMS OF COMPETITION** | | | | | | | |
|  | |  | | | | |  | | |
| 5.1. | | Explanation on the terms of competition by supplier’s request | | | | | The Contracting Authority provides explanation on the terms of competition upon supplier’s written request, if the request is submitted no later than 3 workdays before the deadline of tender submission. The contracting authority replies to the supplier’s request within 2 workdays, but no later than 2 workdays before the deadline of tender submission. All suppliers provided with terms of competition will receive the same explanations. The contracting authority shall not specify which supplier submitted such request. | | |
| 5.2. | | Explanation on the terms of competition at the initiative of Contracting authority | | | | | The contracting authority has the right to explain and revise terms of competition no later than 2 working days until the deadline of tender submission. | | |
| 5.3. | | Revising terms of competition | | | | | If the information required for the preparation of tenders is changed after the announcement of the invitation to participate, as well as when the explanations (corrections) of the documents are provided to the Suppliers (for example, the qualification requirements are amended and / or adjusted), the Buyer shall publish the amended invitation to participate in the procedure set out in Item 54 of the Rules. | | |
| 5.4. | | Meetings with the suppliers | | | | | The contracting authority will not hold meetings with the suppliers regarding explanation of terms of competition. | | |
| 5.5. | | Contact person | | | | | Any information, explanations of terms and conditions of competition, notices and other communication between the Contracting Authority and Supplier, shall be carried out via e-mail or post. Contact person of the Contracting Authority: technical director Alvydas Vaičiūnas, +370 682 69588, [alvydas@lietkabelis.lt.](mailto:alvydas@lietkabelis.lt.) | | |
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|  | | | **6. REVIEW OF THE TENDERS** | | | | | | |
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| 6.1. | | | The envelope opening procedure | | | | The envelope opening procedure will take place on **2023-09-25, 04:15** p.m. Time of the Republic of Lithuania) in the absence of participants. | | |
|  | | |  | | | | The Contracting Authority shall ensure that the prices submitted in the submitted tenders will not be known before the envelope opening procedure specified in the Terms of competition. | | |
| 6.2. | | | Tender evaluation procedure | | | | The tender analysis, evaluation and comparison procedures shall be conducted by the Procurement Commission confidentially, in absence of the suppliers or their authorized representatives. | | |
|  | | |  | | | | Prices in the tenders shall be evaluated in euros VAT excluded. | | |
| 6.3. | | | The Procurement Commission shall analyze whether: | | | | The supplier provided all data, documents and information indicated as obligatory in these terms of competition and whether tender was submitted according to requirements of these terms of competition.  Whether the supplier has given accurate and comprehensive information concerning his qualification in the tender submitted, whether the qualification of the supplier complies with the minimum qualification requirements specified in the terms of competition.  Whether the supplier has given accurate and comprehensive information concerning requirements for compliance with quality management system standards. | | |
|  | | |  | | | | Were unusually low prices not offered | | |
| 6.4. | | | Request to provide additional explanations | | | | Should there be questions on the contents of tenders and upon written request of the Procurement Commission, the suppliers shall provide additional explanations in writing within a reasonable period of time, which may not be shorter than 3 working days, without changing the substance of the offer.  The Procurement Commission shall take decision on each Supplier’s compliance with the qualification requirements. Where the Commission finds out that the information on qualification provided by the supplier is incomplete or inaccurate, the Commission shall request that such information be revised or explained within a reasonable period, which may not be shorter than 3 working days. Only Suppliers meeting all qualification requirements will have a right to participate in further procurement procedures. | | |
| 6.5. | | | Price calculation errors | | | | Should, during evaluation of tenders, the Procurement Commission find errors related to price calculations in a tender, it must ask suppliers to correct such arithmetical errors within a specified term without changing the price announced during the meeting dedicated to tender opening. A supplier shall not have a right to remove components of the price or to add new components while correcting the arithmetic errors in its tender. | | |
| 6.6. | | | Validating unusually low price | | | | Should the price specified in the tender be unusually low, the Procurement Commission can (or in the instance of tender rejection - must) require a written validation of the price including detailed validation of all components of the price within a reasonable period of time.  The tender price indicated in the tender shall in all cases be considered abnormally low if it is 30 and more percent lower than all suppliers whose tenders have not been rejected for other reasons and whose tender price does not exceed the Procurement funds established and recorded in the documents prepared by the Contracting Authority before starting the Procurement procedure, the arithmetic mean of the prices offered. | | |
| 6.7. | | | Tender evaluation criteria | | | | The tender not rejected by the Procurement Comission shall be evaluated on the basis of the lowest price criterion. | | |
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|  | | | **7. REASONS FOR REJECTION OF THE TENDERS** | | | | | | |
|  | | |  | | | |  | | |
| 7.1. | | | The Procurement Commission shall reject a tender if: | | | | Supplier submitted more than one tender (all tenders of such supplier shall be rejected);  Supplier fails to comply with the minimum qualification requirements. | | |
|  | | |  | | | | The tender (in the instance of negotiations - the final offer) fails to comply with the requirements specified herein (object of the procurement does not comply with technical specifications etc.) or supplier does not provide additional explanation of the submitted tender upon request of the contracting authority; | | |
|  | | |  | | | | If the supplier fails to correct arithmetic errors and/or to explain its tender within the term specified by the Contracting Authority. | | |
|  | | |  | | | | Unusually low prices were offered, and the supplier, upon request of the Contracting Authority, failed to submit proper validation of the components of price or failed to validate unusually low price in any other way. | | |
|  | | |  | | | | Contracting authority can prove by any legal means that the supplier has submitted false information; | | |
|  | | |  | | | | The price offered in the tender was too high and unacceptable to the Contracting Authority (if the tender of the supplier wasn't rejected because of other reasons). | | |
| 7.2. | | | Notification of rejection of a tender | | | | The suppliers shall be informed about rejection of their tenders in 3 working days after decision was made. | | |
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|  | | | **8. NEGOTIATION** | | | | | | |
|  | | |  | | | |  | | |
| 8.1. | | | Invitation to negotiate | | | | The Procurement Commission has a right to invite all suppliers meeting minimal requirements specified herein to negotiation, if the Contracting authority is not satisfied with the tenders received. | | |
| 8.2. | | | Conduct of negotiations | | | | All suppliers whose tenders had not been rejected participate in negotiation. The same information will be provided to all participating suppliers. The results of negotiations will be protocolled separately for each supplier. | | |
| 8.3. | | | Documentation of negotiation | | | | No information received from suppliers shall be disclosed to third parties by the Procurement Commission without consent of the supplier. Negotiations shall be conducted and protocoled separately for each supplier. The protocol shall be signed by the Chairman of the Procurement Commission and Authorized representative of the Supplier. The Procurement Commission shall protocol Suppliers absence in negotiation, If the Supplier or Authorized representative of the Supplier does not participate in the negotiations. Such protocol shall be signed by all members of the Procurement Commission. | | |
| 8.4. | | | Object of negotiation | | | | All characteristics of the object of procurement (including price, quality, commercial conditions and social, environmental and innovation aspects) can be object of negotiation. Minimal requirements, indicated herein, applicable to the object of procurement, suppliers tenders, tender evaluation criteria and main conditions of the contract cannot be object of negotiation. | | |
| 8.5. | | | Invitation to negotiation | | | | Written invitation to negotiate (indicating the time of negotiation) shall be provided for all of the suppliers whose tenders has not been rejected by the procurement commission. | | |
| 8.6. | | | The final tenders after negotiation | | | | Negotiation protocols signed by both parties and primary tenders (as much as they had not been changed during negotiation) shall be considered as final tenders. Final tenders shall be evaluated according to the terms of competition specified herein. | | |
| 8.7. | | | The final queue of the tenders | | | | The final queue of the tenders is formed after the end of negotiation and evaluation of final tenders. If the supplier was absent in the negotiation, the primary tender of such supplier shall be considered as final tender. | | |
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|  | | | | **9. DECISION ON DETERMINING THE WINNER OF THE COMPETITION** | | | | | | | | |
|  | | | |  | | |  | | |
| 9.1. | | | | The queue of tenders | | | The Procurement Commission will form the queue of tenders after analyzing, comparing and evaluating the submitted tenders. A separate tender queue will be established for each lot. The queue shall include tenders sorted by prices in the ascending order. The lowest-priced tender shall be the most economically advantageous tender.  When several tenders offer equal prices, the tender submitted earlier shall have a higher position in the queue. | | |
|  | | | |  | | | The queue of tenders shall not be formed if only one tender is received. In such case the supplier shall be announced as winner if the supplier (and the submitted tender) meets the requirements of the terms of competition specified herein. | | |
| 9.2. | | | | Announcing the winner | | | The supplier with the lowest tender price shall be announced the winner of the competition. The winner of the competition shall be invited to conclude the contract and shall be notified on the deadline for contract signing.  The 3(three) 2 (two) or 1 (one) most economically advantageous tender at the top of the tender queue may be declared the successful tender. A separate tender queue will be established for each lot. A separate contract shall be concluded for each lot. If the same supplier wins two or three lots, one joint contract may be concluded for two or three lots of the purchase.  All suppliers who submitted a tender shall be notified in writing about the winner of the competition no later than in 3 working days from the date of the decision. | | |
|  | | | |  | | | Should the supplier invited to sign the procurement contract make a written refusal to sign the contract, or should the supplier fail to arrive for contract signing or fail to submit a signed contract within the period specified by the Contracting Authority, or refuse to conclude the procurement contract on the conditions specified in the terms of competition, it shall be deemed that the supplier refused to conclude the procurement contract. | | |
|  | | | |  | | | In such case, the Contracting Authority shall award the procurement contract to the supplier whose tender is next in the queue formed by the Procurement Commission. | | |
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|  | | | | **10. TERMS OF THE PROCUREMENT CONTRACT** | | | | | | | | |
|  | | | |  | | |  | | |
| 10.1. | | | | Delivery terms: | | | The seller must, no later than **2024 March 30** to deliver the Goods, and no later than **2024. April 30** install, start-up, and train employees to work with the equipment. | | |
| 10.2. | | | | Payment terms | | | Advance payment 20% of the total contract value within 10 (ten) calendar days after signing this Contract.  Interim payment 20% of the total contract value within 30 (thirty) calendar days after signing this Contract.  The seller must provide the buyer with a bank guarantee for the amounts of advance payments (advance and interim) or insurance documents for advance payments (advance and interim)  Main payment 50% of the total contract value within 14 days from the day of the written notification about the readiness of the equipment for dispatch.  Final payment 10% of the total contract value within 3 (three) calendar days after submission of the act of acceptance. | | |
|  | | | |  | | |  | | |
| 10.3. | | | | The requirements of the procurement contract: | | | The final tender price and the main conditions as well as the main terms of competition determined at the beginning of the procurement shall not be changed upon conclusion of the procurement contract, except for clauses indicated in the Article 8 of the terms of competition (if applicable). The Procurement contract shall be signed with the winner of competition following the terms of competition, The Rules and Civil Code of the Republic of Lithuania. | | |
| 10.4. | | | | The main conditions of the contract shall not be changed in these cases: | | | If the new conditions of the contract would have enabled other suppliers (excluding those who already participated) to participate in the competition. | | |
|  | | | |  | | | If the new conditions, should they been specified in the terms of competition, would have enabled another supplier to be announced as a winner of the competition. | | |
|  | | | |  | | |  | | |
|  | | | |  | | | Economic balance of the contract of the procurement is changed in favor of the supplier (if it was not foreseen in the primary conditions of the contract). | | |
| 10.5. | | | | The conditions of the contract can be changed under these circumstances: | | | If the nature of the contract is not changed and overall value of such changes does not exceed 10 percent of the primary price of the contract if the goods or services are being procured, and 15 percent if the works are being procured. | | |
| 10.6. | | | | Interest | | | If the Seller is late in delivering the Goods, the Buyer informs the Seller that if the Goods are not delivered after 30 calendar days, without an official warning and without reducing the Buyer's other remedies provided for in the Agreement, interest will be charged. For each day of delay after the deadline for this notice. The Seller, who has violated the deadline for the delivery of the Goods, shall pay the Buyer late payment interest in the amount of 0.1% for each day of delay from the value of the Goods not delivered on time including VAT, but not more than 5% of the Contract price.  Terms of delivery of goods - FCA............................. according to INCOTERMS 2022.. The Seller informs the Buyer in writing about the readiness of the equipment for shipment. | | |
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|  | | | | | **11. CONCLUDING PROVISIONS** | | | | |
|  | | | | |  | |  | | |
| 11.1. | | | | | Refunding the costs of participation in the competition | | The costs of preparing the tenders and participating in the competition are not being refunded by contracting authority and should be covered by supplier. | | |
| 11.2. | | | | | Termination of procurement | | The Contracting Authority has a right to terminate any procurement procedures at any time prior to conclusion of the procurement contract, in case of circumstances which could not have been foreseen. If the Contracting Authority decides to terminate the procurement procedure it shall notify all suppliers participating in the competition no later than in 3 working days from the date of the decision. In case of procurement procedure termination prior to the deadline of tender submission, Contracting Authority shall notify all suppliers provided with the terms of competition. Notice of procurement procedure termination shall also be published everywhere announcement of the procurement was published. | | |
| 11.3. | | | | | Claim submission procedure and deadlines | | The supplier is entitled to submit a claim to the Buyer in writing within 5 working days from the day the non-purchasing organization sends a written notification about its decision to the supplier, or within 5 working days from the day the supplier becomes aware of the Buyer's relevant actions.  The Buyer must examine only those claims that were received before the conclusion of the purchase agreement. The Buyer must examine the supplier's claim and inform the claimant supplier about the decision made, no later than 5 working days from the day of receiving the claim. | | |
| 11.4. | | | | | Disclosure of the information for the third parties | | Information indicated in the tenders (excluding information indicated in these terms of competition as mandatory to disclose for all suppliers) is not going to be disclosed to the suppliers and third parties (excluding individuals administrating and auditing EU structural funds). | | |
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|  | | | | | **12. APPENDIXES** | | | | | | |
|  | | | | |  |  | | | | | |
| 12.1. | | | | | Form of tender |  | | | | | |
| 12.2. | | | | | Technical Specification |  | | | | | |
| 12.3.  12.4. | | | | | Qualification requirements  List of Contracts | | |  | | | |
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| Appendix no. 1  **TENDER** | | | | | | | |
| **OBJECT OF PROCUREMENT: Automated automotive cable production line with integrated digitization technology** | | | | | | | |
|  | |  | | | |  |  |
|  | | *Date* | | | |  |  |
|  | |  | | | |  |  |
|  | | *Place* | | | |  |  |
|  | 1. **INFORMATION ON THE SUPPLIER:** | | |
| Title of supplier | | |  | | | | |
| Supplier's address | | |  | | | | |
| Person responsible for the tender (name, surname) | | |  | | | | |
| Phone | | |  | | | | |
| Fax | | |  | | | | |
| E-mail | | |  | | | | |
| Tender validation date (Tender must be valid at least until **2023-12-25)** | | |  | | | | |
|  |  |  |  | | |  |  |
| By this tender we confirm that we agree with all conditions laid down in: | | |  | | |  |  |
| 1) announcement of the procurement published **2023-09-11** at the website **www.esinvesticijos.lt;** | | | | |  |  |  |
| 2) terms of competition; | |  |  | | |  |  |
| 3) appendixes of terms of competition. | |  |  | | |  |  |
|  |  |  |  | | |  |  |
|  | **2. TENDER PRICE** |  |  | | |  |  |
| We propose:  **2.1. The first lot of the procurement:** | | | | | | | |
| **No.** | **Title** | **Quantity** | **Unit** | | | **Price,** | **Price,** |
| **Eur (without VAT)** | **Eur (with VAT if applicable)** |
| **1** | **2** | **3** | **4** | | | **5** | **6** |
| 1. | Double Twist Buncher | 1 | Unit | | |  |  |
| **TOTAL (total Tender Price)**: | | | | | | |  |

The Goods offered are fully compliant with the requirements laid down in the Procurement Documents and their properties are as follows:

Equipment is new and unused.

Equipment is complying with European Union statutory safety requirements.

**2.1.1. Specification of wires:**

|  |  |  |  |
| --- | --- | --- | --- |
| **No.** | **Technical parameters, description** | **Parameter** | **Parameter value suggested by the supplier** |
| **1.** | Cross-sections of copper uninsulated flexible conductors | From 0,09 until 6,00mm² |  |
| **2.** | Conductors’ material | Copper, Copper alloys |  |
| **3** | Lay length | from 6 until 100mm |  |
| **4** | Single wire diameter | From 0,05 until 0,85mm |  |

**2.1.2. Double Twist Buncher technical data:**

|  |  |  |  |
| --- | --- | --- | --- |
| **No.** | **Technical parameters, description** | **Parameter** | **Parameter value suggested by the supplier** |
| **1.** | Number of twists, max. | Until 6500 rpm. |  |
| **2.** | Production direction | From left to right |  |

* + 1. **Minimum Double Twist Buncher composition:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Nr.** | **Quantity** | **Device name** | **Device technical description/parameter** | **Quantity suggested by the supplier** | **Parameter value suggested by the supplier** |
| 1. | 3 | Driven Pay-off Unit | with spool shaft for 2 spools with flange-dia. From 400 until 640 mm  spools bore diameter - min. 100 mm |  |  |
| 2. | 1 | Double-twist bunching machine | With noise protection cabin  With spool lifting device  With automatic traverse correction system  With mono-bow-version with brushless data transfer by telemetry  With infinitely variable adjustment of lay length without gear change |  |  |
| 3. | 1 | Descriptions of the technical parameters of the components are included with the proposal documentation | Yes/No  (Mark one of the answers) |  |  |

**2.2. The second lot of the procurement:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **No.** | **Title** | **Quantity** | **Unit** | **Price,** | **Price,** |
| **Eur (without VAT)** | **Eur (with VAT if applicable)** |
| **1** | **2** | **3** | **4** | **5** | **6** |
| 1. | High Performance Automotive Wire Extrusion Line. | 1 | Unit |  |  |
| **TOTAL (total Tender Price)**: | | | | |  |

The Goods offered are fully compliant with the requirements laid down in the Procurement Documents and their properties are as follows:

Equipment is new and unused.

Equipment is complying with European Union statutory safety requirements.

* + 1. **Specification of wires and cables:**

|  |  |  |  |
| --- | --- | --- | --- |
| **No.** | **Technical parameters description** | **Parameter** | **Parameter value suggested by the supplier** |
| **1.** | Conductors | Copper |  |
| **2.** | Cross section of the conductor | from 0,22 until 7,0mm2  for conductors class 5 and class 2  from 0,5 until 2,5mm2  for conductors  class 1 |  |
| **3.** | Outer diameter of cable | from 1 until 6mm |  |
| **4.** | Insulation thickness | from 0,2 until 0,6mm |  |
| **5.** | Isolation material | PVC, PP, PE, TPE, XLPE |  |

* + 1. **Line technical data:**

|  |  |  |  |
| --- | --- | --- | --- |
| **No.** | **Technical parameters description** | **Parameter** | **Parameter value suggested by the supplier** |
| **1.** | Maximum line speed | Until 1500m/min. |  |
| **2** | Height of cable passage over floor | at least 1000mm |  |
| **3** | Direction of the production line | from left to right |  |
| **4** | Line control | full computerized |  |

* + 1. **Minimum line composition**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Nr.** | **Quantity** | **Device name** | **Device technical description/parameter** | **Quantity suggested by the supplier** | **Parameter value suggested by the supplier** |
| 1. | 1 | Dual flyer pay-off | Reel flange diameter from 500 until 640 mm  Diameter of mandrel for the reel from 56 until 130mm  Maximum reel weight not more than 600 kg  With 2 separate reel trolleys with electric lifting spindle.  Pay-off cones made out of cast iron or equivalent metal. |  |  |
| 2. | 1 | Possibility to connect a flexible wire welding machine | installed electric connection socket type 32Ax5p IP44, *or equivalent* |  |  |
| 3. | 1 | Belt type wheel capstan with tension measuring and compensation roller | Diameter of the capstan wheel ≥166 mm  Tension from 80N until 110N |  |  |
| 4. | 1 | Wire straightening unit | Suitable for wires with diameter from 0,5 mm until 2,21 mm.  Multi-roller straightening system from not les then 6 rollers |  |  |
| 5. | 1 | Preheater | Pulleys must be adjusted for the wires until 10mm² cross-section |  |  |
| 6. | 1 | Extruder | Screw diameter not more than 60 mm  L/D-ratio must be 24:1.  Material of the barrel and screw -corrosion-/abrasion-resistant special steel  With screws for the different materials:  for the PVC & PE  for the PP  for the XLPE  for the TPE(LSOH)  with system for screw identification with screw wear monitoring function controlled by line control system  With a closed loop water cooling system and separate heat exchanger.  Feeding section must be interchangeable separately from the cylinder.  Max. working temperature until 350 °C  Max. working pressure until 800 bar |  |  |
| 7. | 1 | Volumetric dosing station | consisting from:  One dosing unit with output from 8kg/h until 760kg/h and hopper with capacity at least 50 l  Three dosing units with output from 0,5kg/h until 41kg/h and with hoppers with capacity not less 10 l |  |  |
| 8. | 1 | Vacuum hopper loader | Container volume not less 20 l  Output not less 500 kg/h |  |  |
| 9. | 1 | Extruder | Screw diameter not more than 38 mm  L/D-ratio must be 24:1  Material of the barrel and screw -corrosion-/abrasion-resistant special steel  With screws for the different materials:  for the PVC & PE  for the PP  for the XLPE  for the TPE(LSOH)  with system for screw identification with screw wear monitoring function controlled by line control system  With a closed loop water cooling system and separate heat exchanger.  Feeding section must be interchangeable separately from the cylinder.  Max. working temperature until 350 °C  Max working pressure until 1000bar |  |  |
| 10 | 1 | Volumetric dosing station | consisting from:  One dosing unit with output from 5kg/h until 170kg/h and hopper with capacity at least 20 l  Three dosing units with output from 0,2kg/h until 18kg/h and with hoppers with capacity not less 10 l |  |  |
| 11. | 1 | Vacuum hopper loader | Container volume not less 8 l  Output not less 300 kg/h |  |  |
| 12. | 1 | Extruder | Screw diameter not more than 38 mm  L/D-ratio must be 24:1.  Material of the barrel and screw -corrosion-/abrasion-resistant special steel  With screws for the different materials:  for the PVC & PE  for the PP  with system for screw identification with screw wear monitoring function controlled by line control system  With a closed loop water cooling system and separate heat exchanger.  Feeding section must be interchangeable separately from the cylinder.  Max. working temperature until 350 °C  Max. working pressure until 1000 bar |  |  |
| 13. | 1 | Volumetric dosing station | consisting from:  One dosing unit with output from 5kg/h until 170kg/h and hopper with capacity at least 20 l  Three dosing units with output from 0,2kg/h until 18kg/h and with hoppers with capacity not less 10 l |  |  |
| 14. | 1 | Vacuum hopper loader | Container volume not less 8 l  Output not less 300 kg/h |  |  |
| 15. | 1 | It must be possible to connect a Desiccant flex dryer DFD | installed electric connection socket type 32Ax5p IP44 *or equivalent* |  |  |
| 16. | 1 | V-shaped pulley on stand | Must be on height adjustable stand |  |  |
| 17. | 1 | Color change system for full-automatic change of the color of the stripe marking. | Designed for using three extruders.  Suitable for cables :  Diameter of the conductor up to 5 mm  Diameter over insulation up to 7 mm  Without any external valves or bypass units.  Color change must take place inside the crosshead.  Color change  Low scrap feature: max. not more than 40m scrap length for PVC 0,22mm² during stripe change without ramping down the production speed. |  |  |
| 18. | 1 | Extrusion crosshead: | Variable centered crosshead for single layer extrusion with skin or stripe  Insulated conductor diameter from 0.1 until 5mm  Max diameter of finished cable not more than 7mm  Crosshead must be complete with distributors to work with PVC, LSOH and XLPE insulating materials.  Must be complete with 3 extrusion tools.  With 3 different distributors |  |  |
| 19. | 1 | It must be possible to connect a Cable marker JET3up pigmented | with control integrated into the computerized control of the entire line |  |  |
| 20. | 1 | Dual axis diameter gauge LASER 2010 XY | Product diameter from 0,1 until 10mm  Accuracy not less than +/- 0,5μm |  |  |
| 21. | 1 | Cooling trough: | Must be with closed hot water system with circulation tank not less than 150 liters,  With wire blowing/suction device  Automatic cover opening |  |  |
| 22. | 1 | Eccentricity and diameter measurement CENTERVIEW 8010 | Product diameter from 0,5 until 10 mm  Accuracy – eccentricity not less than +- 5 µm  Accuracy – diameter not less than +- 1 µm |  |  |
| 23. | 1 | Lump/neckdown detector: | Product diameter from 0.5 until 10mm  Speed range from 10 until 3000m/min |  |  |
| 24. | 1 | Spark tester | Test voltage range DC until 15kV |  |  |
| 25. | 1 | Color recognition system | Line Speed: up to 2000 m/min.  Wire Diameter: from 0.8 mm until 5 mm.  With 360° surface detection with at least 4 cameras.  Must be for monitoring of main and stripe color and for monitoring of stripe width. |  |  |
| 26. | 1 | It must be possible to connect Spooling unit SV 402 | with control integrated in the software of the entire line.  Dimensions of the NPS spools:  Flange diameter no more than - 410mm  Heigh no more than - 410mm |  |  |
| 27. | 1 | Line control software must be installed | With integrated ESG module for the determining CO2 consumption  Touch screen and buttons on swiveling operating panel.  OPC UA interface for data exchange |  |  |
| 28. | 1 | Commissioning at customer`s site | 2 acceptance products |  |  |
| 29. | 1 | Descriptions of the technical parameters of the components are included with the proposal documentation | Yes/No  (Mark one of the answers) |  |  |

* 1. **The third lot of the procurement:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **No.** | **Title** | **Quantity** | **Unit** | **Price,** | **Price,** |
| **Eur (without VAT)** | **Eur (with VAT if applicable)** |
| **1** | **2** | **3** | **4** | **5** | **6** |
| 1. | Automatic double spooler for insulated wires | 1 | Unit |  |  |
| **TOTAL (total Tender Price)**: | | | | |  |

The Goods offered are fully compliant with the requirements laid down in the Procurement Documents and their properties are as follows:

Equipment is new and unused.

Equipment is complying with European Union statutory safety requirements.

* + 1. **Specification of wires:**

|  |  |  |  |
| --- | --- | --- | --- |
| **No.** | **Technical parameters description** | **Parameter** | **Parameter value suggested by the supplier** |
| **1** | Insulated flexible copper conductor | From 0,22 until 7,00 mm² |  |
| **2** | max. overall diameter | until 5 mm |  |
| **3** | Insulation material | PVC, XLPE |  |

* + 1. **Spooler technical data:**

|  |  |  |  |
| --- | --- | --- | --- |
| **No.** | **Technical parameters description** | **Parameter** | **Parameter value suggested by the supplier** |
| **1** | Speed max | Until 1500 m/min |  |
| **2** | Speed for spool change max. | Until 1500 m/min |  |
| **3** | Production direction from | **right to left** |  |

* + 1. **Minimum spooler composition:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Nr.** | **Quantity** | **Device name** | **Device technical description** | **Quantity suggested by the supplier** | **Parameter value suggested by the supplier** |
| 1 | 1 | Dancer with integrated haul-off capstan | -with accumulation capacity until 1,6m  -with cable break switch and cable clamping device  -with length measuring via PLC |  |  |
| 2 | 1 | Vertical double spooler | -With preselectable winding direction  - with automatic spool change at full production speed  - with quick change device "full against empty spool"  - with loading of recipe data for NPS spool traverse by touch panel  - with operation with semi-filled spools |  |  |
| 3 | 1 | U shape spool conveyor | for 3 empty and 3 full NPS-plastic spools, for manual loading and unloading |  |  |
| 4 | 1 | Scrap conveyor | for 1 full NPS-plastic spools, for manual unloading |  |  |
| 5 |  | mounted swivelling operator's panel | Turn able 180° |  |  |
| 6 | 1 | Manual NPS handling device | with pivoting crane equipment for lifting the NPS dismountable plastic spools with one lifting gear for max. 125 kg and sliding rail |  |  |
| 7 | 1 | Pay-off | for NPS plastic spool with additional CrNi insert ring |  |  |
| 8 | 1 | “Original+ Online Service” portable electronic device or *equivalent* | for service purposes, trouble shooting, maintenance |  |  |
| 9 | 1 | Technical documentation | Descriptions of the technical parameters of the components |  |  |

Following documents are submitted with this tender (if necessary):

|  |  |  |
| --- | --- | --- |
| No. | Title of the document | Number of pages |
| 1. | A Document of compliance with qualification requirements - Appendix no. 4 "List of contracts" |  |
| 2. | Documents proving compliance with quality management system standards |  |
| 3. | Technical documentation for the proposed equipment – Descriptions of the Technical Parameters of the Components. |  |
| 4. | Authorization to sign the tender (where the tender is signed not by the manager of the supplier (legal entity) |  |
| 5. | Other information and/or documents requested in the tender terms and conditions |  |
|  |  |  |

I, the undersigned, hereby certify that all information of our tender is correct and that we do not withhold any information that has been requested to provide with the tender.

I certify that I did not participate in the preparation of terms of competition and am not affiliated with any other company or any other interested party participating in this competition.

I understand that upon the determination of the circumstances described above I will be eliminated of the procurement procedure and my tender will be rejected.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  | Position of the supplier or person authorized by the supplier |  | signature |  | Name, Surname |

Appendix no. 2

**TECHNICAL SPECIFICATION**

The Contracting Authority intends to purchase a new automated automotive cable production line with integrated digitization technology, consisting of three lots:

* Lot 1 - Double Twist Buncher.
* Lot 2 - High Performance Automotive Wire Extrusion Line;
* Lot 3 - Automatic Double Spooler for Insulated Wires.

**Lot 1 – Double Twist Buncher**

1. **Objective**

Purchase point – purchase **Double Twist Buncher**

**2**.**General requirements for equipment**

Equipment must be new and unused.

Equipment must be complying with European Union statutory safety requirements.

**3.Technical specification**

* 1. **Specification of wires:**

|  |  |  |
| --- | --- | --- |
| **No.** | **Technical parameters, description** | **Parameter** |
| **1.** | Cross-sections of copper uninsulated flexible conductors | From 0,09 until 6,00mm² |
| **2.** | Conductors’ material | Copper, Copper alloys |
| **3** | Lay length | from 6 until 100mm |
| **4** | Single wire diameter | From 0,05 until 0,85mm |

* 1. **Double Twist Buncher technical data:**

|  |  |  |
| --- | --- | --- |
| **No.** | **Technical parameters, description** | **Parameter** |
| **1.** | Number of twists, max. | Until 6500 rpm. |
| **2.** | Production direction | From left to right |

**3.3. Minimum Double Twist Buncher composition:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Nr.** | **Quantity** | **Device name** | **Device technical description/parameter** |
| 1. | 3 | Driven Pay-off Unit | with spool shaft for 2 spools with flange-dia. From 400 until 640 mm  spools bore diameter - min. 100 mm |
| 2. | 1 | Double twist bunching machine | With noise protection cabin  With spool lifting device  With automatic traverse correction system  With mono-bow-version with brushless data transfer by telemetry  With infinitely variable adjustment of lay length without gear change |
| 3. | 1 | Descriptions of the technical parameters of the components are included with the proposal documentation | Yes/No  (Mark one of the answers) |

**Lot 2 - High Performance Automotive Wire Extrusion Line**

1. **Objective**

Purchase point – purchase High Performance Automotive Wire Extrusion Line

**2**.**General requirements for equipment**

Equipment must be new and unused;

Equipment must be complying with European Union statutory safety requirements.

**3.Technical specification**

* 1. **. Specification of wires and cables:**

|  |  |  |
| --- | --- | --- |
| **No.** | **Technical parameters description** | **Parameter** |
| **1.** | Conductor | Copper |
| **2.** | Cross section of the conductor | From 0,22 until 7,0mm2  for conductors class5 and class 2  from 0,5 until 2,5mm2 for conductors class 1 |
| **3.** | Outer diameter of cable | from 1 until 6mm |
| **4.** | Insulation thickness | from 0,2 until 0,6mm |
| **5.** | Isolation material | PVC, PP, PE, TPE, XLPE |

1. **2. Line technical data:**

|  |  |  |
| --- | --- | --- |
| **No.** | **Technical parameters description** | **Parameter** |
| **1.** | Maximum line speed | Until 1500m/min. |
| **2** | Height of cable passage over floor | at least 1000mm |
| **3** | Direction of the production line | from left to right |
| **4** | Line control | full computerized |

* 1. **Minimum line composition**

|  |  |  |  |
| --- | --- | --- | --- |
| **Nr.** | **Quantity** | **Device name** | **Device technical description/parameter** |
| 1. | 1 | Dual flyer pay-off | Reel flange diameter from 500 until 640 mm  Diameter of mandrel for the reel from 56 until 130mm  Maximum reel weight not more than 600 kg  With 2 separate reel trolleys with electric lifting spindle.  Pay-off cones made out of cast iron or equivalent metal. |
| 2. | 1 | Possibility to connect a flexible wire welding machine | installed electric connection socket type 32Ax5p IP44, *or equivalent* |
| 3. | 1 | Belt type wheel capstan with tension measuring and compensation roller. | Diameter of the capstan wheel ≥166 mm  Tension from 80N until 110N |
| 4. | 1 | Wire straightening unit | Suitable for wires with diameter from 0,5 mm until 2,21 mm.  Multi-roller straightening system from not les then 6 rollers |
| 5. | 1 | Preheater | Pulleys must be adjusted for the wires until 10mm² cross-section |
| 6. | 1 | Extruder | Screw diameter not more than 60 mm  L/D-ratio must be 24:1.  Material of the barrel and screw -corrosion-/abrasion-resistant special steel  With screws for the different materials:  for the PVC & PE  for the PP  for the XLPE  for the TPE(LSOH)  with system for screw identification with screw wear monitoring function controlled by line control system  With a closed loop water cooling system and separate heat exchanger.  Feeding section must be interchangeable separately from the cylinder.  Max. working temperature until 350 °C  Max. working pressure until 800 bar |
| 7. | 1 | Volumetric dosing station | consisting from:  One dosing unit with output from 8kg/h until 760kg/h and hopper with capacity at least 50 l  Three dosing units with output from 0,5kg/h until 41kg/h and with hoppers with capacity not less 10 l |
| 8. | 1 | Vacuum hopper loader | Container volume not less 20 l  Output not less 500 kg/h |
| 9. | 1 | Extruder | Screw diameter not more than 38 mm  L/D-ratio must be 24:1.  Material of the barrel and screw -corrosion-/abrasion-resistant special steel  With screws for the different materials:  for the PVC & PE  for the PP  for the XLPE  for the TPE(LSOH)  with system for screw identification with screw wear monitoring function controlled by line control system  With a closed loop water cooling system and separate heat exchanger.  Feeding section must be interchangeable separately from the cylinder.  Max. working temperature until 350 °C  Max. working pressure until 1000bar |
| 10 | 1 | Volumetric dosing station | consisting from:  One dosing unit with output from 5kg/h until 170kg/h and hopper with capacity at least 20 l  Three dosing units with output from 0,2kg/h until 18kg/h and with hoppers with capacity not less 10 l |
| 11. | 1 | Vacuum hopper loader | Container volume not less 8 l  Output not less 300 kg/h |
| 12. | 1 | Extruder | Screw diameter not more than 38 mm  L/D-ratio must be 24:1.  Material of the barrel and screw -corrosion-/abrasion-resistant special steel  With screws for the different materials:  for the PVC & PE  for the PP  with system for screw identification with screw wear monitoring function controlled by line control system  With a closed loop water cooling system and separate heat exchanger.  Feeding section must be interchangeable separately from the cylinder.  Max. working temperature until 350 °C  Max. working pressure until 1000 bar |
| 13. | 1 | Volumetric dosing station | consisting from:  One dosing unit with output from 5kg/h until 170kg/h and hopper with capacity at least 20 l  Three dosing units with output from 0,2kg/h until 18kg/h and with hoppers with capacity not less 10 l |
| 14. | 1 | Vacuum hopper loader | Container volume not less 8 l  Output not less 300 kg/h |
| 15. | 1 | It must be possible to connect a Desiccant flex dryer DFD | installed electric connection socket type 32Ax5p IP44 *or equivalent* |
| 16. | 1 | V-shaped pulley on stand | Must be on height adjustable stand |
| 17. | 1 | Color change system for full-automatic change of the color of the stripe marking. | Designed for using three extruders.  Suitable for cables :  Diameter of the conductor up to 5 mm  Diameter over insulation up to 7 mm  Without any external valves or bypass units.  Colour change must take place inside the crosshead.  Colour change low scrap feature: max. not more than 40m scrap length for PVC 0,22mm² during stripe change without ramping down the production speed. |
| 18. | 1 | Extrusion crosshead: | Variable centered crosshead for single layer extrusion with skin or stripe  Insulated conductor diameter from 0.1 until 5mm  Max diameter of finished cable not more than 7mm  Crosshead must be complete with distributors to work with PVC, LSOH and XLPE insulating materials  Must be complete with 3 extrusion tools  With 3 different distributors |
| 19. | 1 | It must be possible to connect a Cable marker JET3up pigmented | with control integrated into the computerized control of the entire line |
| 20. | 1 | Dual axis diameter gauge LASER 2010 XY | Product diameter from 0,1 until 10mm  Accuracy not less than +/- 0,5μm |
| 21. | 1 | Cooling trough: | Must be with closed hot water system with circulation tank not less than 150 liters,  With wire blowing/suction device  Automatic cover opening |
| 22. | 1 | Eccentricity and diameter measurement CENTERVIEW 8010 | Product diameter from 0,5 until 10 mm  Accuracy – eccentricity not less than +- 5 µm  Accuracy – diameter not less than +- 1 µm |
| 23. | 1 | Lump/neckdown detector: | Product diameter from 0.5 until 10mm  Speed range from 10 until 3000m/min |
| 24. | 1 | Spark tester | Test voltage range DC until 15kV |
| 25. | 1 | Color recognition system | Line Speed: up to 2000 m/min.  Wire Diameter: from 0.8 mm until 5 mm.  With 360° surface detection with at least 4 cameras.  Must be For monitoring of main and stripe color and for monitoring of stripe width. |
| 26. | 1 | It must be possible to connect Spooling unit SV 402 | with control integrated in the software of the entire line.  Dimensions of the NPS spools:  Flange diameter no more than - 410mm  Heigh no more than - 410mm |
| 27. | 1 | Line control software must be installed | With integrated ESG module for the determining CO2 consumption  Touch screen and buttons on swivelling operating panel.  OPC UA interface for data exchange |
| 28. | 1 | Commissioning at customer`s site | 2 acceptance products |
| 29. | 1 | Descriptions of the technical parameters of the components are included with the proposal documentation | Yes/No  (Mark one of the answers) |

**Lot 3 – Automatic double spooler for insulated wires**

1. **Objective**

Purchase point – purchase **Automatic Double Spooler for Insulated Wires**

**2**.**General requirements for equipment**

Equipment must be new and unused.

Equipment must be complying with European Union statutory safety requirements.

**3.Technical specification**

* 1. **Specification of wires:**

|  |  |  |
| --- | --- | --- |
| **No.** | **Technical parameters description** | **Parameter** |
| **1** | Insulated flexible copper conductor | From 0,22 until 7,00 mm² |
| **2** | max. overall diameter | until 5 mm |
| **3** | Insulation material | PVC, XLPE |

* 1. **Spooler technical data:**

|  |  |  |
| --- | --- | --- |
| **No.** | **Technical parameters description** | **Parameter** |
| **1** | Speed max | Until 1500 m/min |
| **2** | Speed for spool change max. | Until 1500 m/min |
| **3** | Production direction from | **right to left** |

**3.3. Minimum spooler composition**

|  |  |  |  |
| --- | --- | --- | --- |
| **Nr.** | **Quantity** | **Device name** | **Device technical description** |
| 1 | 1 | Dancer with integrated haul-off capstan | -with accumulation capacity 1,6m.  -with cable break switch and cable clamping device  -with length measuring via PLC |
| 2 | 1 | Vertical double spooler | -With preselectable winding direction  - with automatic spool change at full production speed  - with quick change device "full against empty spool"  - with loading of recipe data for NPS spool traverse by touch panel  - with operation with semi-filled spools |
| 3 | 1 | U shape spool conveyor | for 3 empty and 3 full NPS-plastic spools, for manual loading and unloading |
| 4 | 1 | Scrap conveyor | for 1 full NPS-plastic spools, for manual unloading |
| 5 |  | mounted swivelling operator's panel | Turn able 180° |
| 6 | 1 | Manual NPS handling device | with pivoting crane equipment for lifting the NPS dismountable plastic spools with one lifting gear for max. 125 kg and sliding rail |
| 7 | 1 | Pay-off | for NPS plastic spool with additional CrNi insert ring |
| 8 | 1 | “Original+ Online Service” portable electronic device or *equivalent* | for service purposes, trouble shooting, maintenance |
| 9 | 1 | Technical documentation | Descriptions of the technical parameters of the components |

Appendix no. 3

**QUALIFICATION REQUIREMENTS FOR SUPPLIERS**

**AND REQUIREMENTSTO COMPLY WITH QUALITY MANAGEMENT SYSTEM STANDARDS**

1. The qualification of the supplier must meet the qualification requirements set out in this Annex.

| **Supplier qualification requirements Entry No.** | **Qualification requirements** | **Documents proving compliance with the requirement** | **Entity which must meet the requirement** |
| --- | --- | --- | --- |
|  | The supplier has, within the last three years (or within the period from the date of its registration (if the supplier has been established for less than three years)) preceding the expiry of the term for the submission of the tender, supplied and installed, on its own account, under one or more contracts, equipment of a similar nature, for the double Twist Bunching of the copper cords,and/or manufacture of automotive wires and cables, and/or for the spooling of the NPS-type spools, with one or more contracts and/or completed contract or sub-contracts of at least 0.5 % of the value of the tender excluding VAT. | 1. List of the contract(s), specifying the customer, the object, the value and the dates of award and/or performance, according to the attached **Appendix 4** of the terms and conditions of the procurement "List of Contracts" | * if the tender is submitted by a group of economic operators – the requirement must be met by all members of the group of economic operators (the experience of the members of the group of economic operators shall be summed up), taking into account their obligations; * the supplier may rely on the capacity of other economic operators only if those operators themselves carry out the part of the contract which requires their available capacity; * Subcontractors are not subject to this requirement. |

**Requirements for suppliers concerning quality management system standards**

1. Suppliers shall comply with the requirements set out in this Annex as regards compliance with the quality management system standards.

| **Entry No.** | **Requirement to comply with environmental management system standards** | **Documents proving compliance with the requirement** | **Entity which must meet the requirement** |
| --- | --- | --- | --- |
| **1.** | **Application of a quality management system** | | |
| 1.1. | The supplier must have implemented a quality management system complying with ISO 9001. | A copy of a valid certificate issued by an independent body certifying that the supplier complies with the required quality management system standards.  The Contracting Authority shall recognize equivalent certificates issued by independent bodies established in other Member States. It shall also accept other equivalent evidence of quality management measures if the supplier proves that, for objective reasons beyond its control, it is unable to provide the certificates within the term set. | * if the tender is submitted by a group of economic operators – the requirement must be met by all members of the group of economic operators (the experience of the members of the group of economic operators shall be summed up), taking into account their obligations;   • the supplier may rely on the capacity of other economic operators only if those operators themselves carry out the part of the contract which requires their available capacity;  • subcontractors shall not be subject to this requirement |

Appendix no. 4

|  |
| --- |
| **LIST OF CONTRACTS**  **SUPPLIER:** |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No.** | **Customer (name)** | **Object name** | **Contract value, EUR without VAT (the value of one or more contracts and/or the values of completed contracts or parts of contracts)** | **Date of conclusion and/or execution of the contract** |
|  |  |  |  |  |
|  |  |  |  |  |

During the last 3 years (or during the period from the date of its registration (if the supplier has been operating for less than 3 years)) to the end of the deadline for submission of the tender, has delivered and installed similar equipment for double twisting of copper cords and/or for the production of automotive wires or cables and/or for the winding of insulated wires into NPS-type spools. The value of one or more contracts is not less than 0.5 of the tender’s value without VAT

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  |  |  |  |
| supplier manager, or his authorized person |  | signature |  | Name, Surname |