



Kuriame  
Lietuvos ateitį

2014–2020 metų  
Europos Sąjungos  
fondų investicijų  
veiksmų programa

## JSC „LIETKABELIS“

(JSC „LIETKABELIS“, J. Janonio str. 4, Panevezys, LT-35101, Lithuania phone: +370 45 502685, Fax: +370 45 502701, [laidas@lietkabelis.lt](mailto:laidas@lietkabelis.lt), data about the company is collected and stored at „LR registrų centras“, registration No: 147738655, VAT code: LT477386515)

## TERMS OF COMPETITION

### *PROCUREMENT OF AUTOMATIC COILING/SPOOLING-PACKAGING LINE*

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## 1. GENERAL PROVISIONS

1.1 JSC „LIETKABELIS” (hereinafter – Contracting authority) implementing the Project “AB Lietkabelis investments in the implementation of digital technologies“ No. S-03.3.1-LVPA-K-854-02-0011, co-financed from the EU Structural funds and finances of the Republic of Lithuania intends to procure: **AUTOMATIC COILING/SPOOLING-PACKAGING LINE**.

1.2 The concepts used in these procurement documents are defined in **Project financing and administrative rules approved by Order No. 1K-316 on October 8th, 2014 by Minister of Finance of the Republic of Lithuania** (hereinafter - Rules).

1.3 The procurement procedure shall follow the Rules, Civil Code of the Republic of Lithuania (hereinafter – Civil Code), other legal acts and these terms of competition.

1.4 The announcement of the procurement was published in EU structural assistance web site [www.esinvesticijos.lt](http://www.esinvesticijos.lt), on April 26, 2021.

1.5 The procurement shall follow the principles of equality, non-discrimination, mutual recognition, proportionality and transparency.

1.6 Should all suppliers' tenders fail to meet requirements specified herein, the Contracting Authority has a right to repeat procurement procedure according to the paragraph 461.1 of the Rules.

1.7 Contact person of the Contracting Authority: Technical Director, Alvydas Vaičiūnas, 8-45-502700, [laidas@lietkabelis.lt](mailto:laidas@lietkabelis.lt), J. Janonio st. 4, Panevėžys LT-35101, Lietuva.

## 2. OBJECT OF PROCUREMENT

2.1. Object of procurement – automatic coiling/spooling- packaging line according to technical specification (Appendix 2).

2.2. The specific scope and composition of equipment must be estimated in accordance with the terms of competition and technical specification (Appendix 2). If the specification specifies a specific model or source, a specific process or brand, a patent, types, a particular origin or production, in a technical specification, can be any object that is equivalent to its characteristics or better.

2.3. Object of procurement is not divided into parts; one tender must cover the entire scope of the procurement object without further subdivisions.

2.4. Equipment must be delivered no later than 6 month after signing the contract, installed and personal trained till December 31, 2021. In case of unforeseen circumstances, the delivery period may be extended, but not longer than December 15, 2022.

## 3. QUALIFICATION REQUIREMENTS FOR SUPPLIERS

3.1. Supplier willing to participate in the procurement has to meet minimal qualification requirements:

No	Qualification requirements	The significance of the qualification requirements	Documents proving qualification requirements
3.1.1.	Supplier has to be registered company and has the right to engage in economic activities.	A bid from a supplier that does not meet this requirement will be	A duly certified copy* of certificate of company registration or other conformable document.



		rejected	
3.1.2.	Supplier over the past 3 years or over the period starting from the day of registration (if the supplier has been operating for less than 3 years) has properly completed at least 3 similar technology projects (automatic coiling line or equal machine). The value of each completed contract should be not less than 60.000,00 Eur (exclusive of VAT).	A bid from a supplier that does not meet this requirement will be rejected	Provide a list of sold similar equipment approved by the CEO of the Supplier, specifying short description of the equipment.

#### Remarks:

\* copies of documents shall bear signature of the Supplier or its authorized person, with the inscription ‘True Copy’ and the job title, name (initial letter), surname, date, and sealed (if there are any seals).

\*\* If the Supplier cannot provide documents confirming the qualifications because such documents are not issued in the relevant country or the documents that are issued in that country do not cover all questions that were raised, they may be replaced by a declaration on oath, or an official declaration of the Supplier;

3.2. Where a joint tender is submitted by a group of economic entities operating under a joint activity agreement, *each partner of the group must comply* with the qualification requirements established in of Clauses 3.1

3.3. A supplier’s tender shall be rejected if it is guilty of misrepresentation in supplying information about compliance with the established requirements, proven by any means that the Contracting Authority may justify.

3.4. A supplier, who acts under a joint activity agreement, shall additionally supply a written joint activity agreement or duly certified copy of agreement. The joint activity agreement shall specify responsibilities of each of the party/member of contract implementation and the value of liabilities in the total contract value, as well as bear joint and several liability before the Contracting Authority for any obligations and duties arising out of the contract. The joint activity agreement shall explicitly specify the powers of one responsible member under a joint activity agreement granted by all the partners to such agreement to manage common affairs associated with this procurement procedure, including preparation and submittal to the Contracting Authority of a tender with annexes, obtain and produce securities of performance of the tender and contract, and in the case of winning the tender, to enter into procurement contract with the Contracting Authority on behalf of the parties to a joint activity agreement.

#### 4. PREPARING, SUBMITTING AND AMENDING THE TENDERS

4.1. 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. The tender has to be submitted in writing and duly signed by the supplier or a person authorized by the supplier.

4.3. The tenders and any other correspondence must be in Lithuanian or (and) in English.



4.4. Supplier should submit a tender in the form provided in Appendix 1 of the terms of competition. The tender must be submitted in sealed envelope. The envelope must be marked: **JSC „Lietkabelis“, J. Janonio st. 4, Panevėžys LT-35101, Lithuania, procurement of automatic coiling/spooling-packaging line, 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.

**4.5. The tender must contain the following documents:**

- 4.5.1. Filled in form of tender (provided in Appendix 1 of the terms of competition);
- 4.5.2. Documents proving compliance with qualification requirements;
- 4.5.3. Joint activity agreement or duly certified copy of agreement, when a joint tender is submitted by a group of economic entities;
- 4.5.4. Other documents or information required in terms of competition.

4.6. The Supplier may submit only one tender either as an individual tenderer or as member of a group of economic entities. 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.

4.7. Supplier by submitting a tender must cover the entire scope of the procurement object.

4.8. 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.

4.9. The deadline for tender's submission is **May 3, 2021, 4:00 pm**. (by the time of Republic of Lithuania). The tender must be submitted by post, carrier or delivered directly to: JSC „Lietkabelis“, J. Janonio st. 4, Panevėžys LT-35101, 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.

4.10. 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.

4.11. Prices in the tender shall be represented in Euros; in calculating the price the entire quantity of products has to be taken into account, requirements of technical specifications, etc. The tender price must include all taxes and all expenses of the supplier, associated with the automatic coiling/spooling-packaging line delivery, commissioning, start-up and training on line production.

4.12. The tender documents must be valid at least until **June 25, 2021**. If validity period is not indicated in the tender document, it is considered that the tender is valid until the date indicated in the terms of competition.

4.13. 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.

4.14. 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](http://www.esinvesticijos.lt).

4.15. In case of receiving no tenders until the deadline for tender submission Contracting Authority has a right to execute the same procurement again.

4.16. 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.

## **5. EXPLANATIONS AND REVISIONS OF THE TERMS OF COMPETITION**



5.1. 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. 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. 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 458 of the Rules.

5.4. The contracting authority will not hold meetings with the suppliers regarding explanation of terms of competition.

5.5. 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, post or fax. Contact person of the Contracting Authority: Technical Director, Alvydas Vaičiūnas, 8-45-502700, laidas@lietkabelis.lt, J. Janonio st. 4, Panevėžys LT-35101, Lithuania.

## 6. REVIEW OF THE TENDERS

6.1. The envelope opening procedure will take place in **May 4, 2021 9:00 am** (Time of the Republic of Lithuania) in the absence of participants

6.2. The Buyer shall ensure that the prices submitted in the submitted tenders will not be known before the deadline for submission of tenders specified in clause 6.1 of the Tender Terms.

6.3. The tender analysis, evaluation and comparison procedures shall be conducted by the Procurement Commission confidentially, in absence of the suppliers or their authorized representatives.

6.4. The Procurement Commission shall analyze whether:

6.4.1. 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;

6.4.2. The supplier provided all data, documents and information indicated as obligatory in these terms of competition and whether tender was submitted according requirements of these terms of competition;

6.4.3. the offered price is unusually low;

6.5. Procurement Commission shall take decision on each Supplier's (who submitted a tender) 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. Only Suppliers meeting all qualification requirements will have a right to participate in further procurement procedures.

6.6. 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.

6.7. 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.

6.8. Should the price specified in the tender be unusually low, the Procurement Commission must require a written validation of the price including the validation of all components of the price.

6.9. Prices in the tenders shall be evaluated in euros with VAT excluded.

6.10. The tenders not rejected by the Procurement Commission shall be evaluated following the criterion of the lowest price.

## **7. REASONS FOR REJECTION OF THE TENDERS**

7.1. The Procurement Commission shall reject a tender, if:

7.1.1. the supplier fails to comply with the minimum qualification requirements.

7.1.2. Supplier submitted more than one tender (all tenders of such supplier shall be rejected);

7.1.3. the tender fails to comply with the requirements specified herein (object of the procurement not proposed according technical specifications etc.) or supplier does not provide additional explanation of the submitted tender upon request of the contracting authority;

7.1.4. the supplier provided inaccurate or incomplete data on the supplier's qualification in its tender and failed to correct (explain) them at the request of the Contracting Authority;

7.1.5. if the supplier fails to correct arithmetic errors and/or to explain its tender within the term specified by the Contracting Authority;

7.1.6. unusually low prices were offered, and the supplier, upon request of the Contracting Authority, failed to submit proper validation of the price;

7.1.7. Contracting authority can prove by any legal means that the supplier has submitted false information;

7.1.8. the supplier whose tenders have not been rejected for other reasons offered too high prices unacceptable to the Contracting Authority.

7.2. The suppliers shall be informed about rejection of their tenders in one working days after decision was made.

## **8. NEGOTIATION**

8.1. If the buyer is not satisfied with the proposals, the Commission's decision of all these tender specifications the minimum requirements of the selection criteria can be invited to the negotiations, which may be negotiated on the economic, legal and other conditions of the tender for the most economical option.

8.2. Negotiations are ongoing with all suppliers who submitted these purchase terms and conditions with the minimum requirements of proposals fit. During the negotiations, the suppliers contain the same information. The results of negotiations in the protocol, which are prepared separately for each supplier.



8.3. Negotiations can take place on the characteristics of all the goods you buy, including price, quality, commercial terms and social, environmental and innovative aspects. The minimum requirements applicable to the object of purchase, the qualification of suppliers, the offers of suppliers, the criteria for the evaluation of these tenders and the essential terms of the procurement contract are not negotiable.

8.4. Buyer provides the Supplier the time when you need to come to the negotiation of price, technical, economic, legal and other conditions of the tender.

8.5. Negotiations, the Commission Procurement divulge to third parties any information received from the supplier without his consent, the negotiations conducted with each supplier individually negotiated shall be recorded. The minutes shall be signed by the Procurement Commission Chairman and the suppliers with which negotiated an authorized representative. If the supplier or his authorized representative failed to appear in the negotiations, the Commission draws up a report stating Supplier of absences and shall be signed by all the members.

8.6. Negotiating the final proposals are parties to sign the minutes of negotiations and initial proposals, as they did not change during the negotiations. The final proposals will be evaluated in the terms of procurement procedures.

8.7. Upon completion of negotiations, and evaluates the final proposal is adopted by a number of final offers. If the supplier has not appeared in the negotiations, the conclusion of the final series of tenders, valued primary party in default supplier's tender.

## **9. DECISION ON DETERMINING THE WINNER OF THE COMPETITION**

9.1. The Commission will form the queue of tenders after analyzing, comparing and evaluating the submitted tenders. The queue shall include tenders sorted by prices in the ascending order. When several tenders offer equal prices, the supplier submitted its tender earlier shall have a higher position in the queue.

9.2. The queue shall not be formed if only one tender is received. In such case the tender shall be recognized as a winning tender if the supplier, which submitted the tender, meets the requirements specified herein.

9.3. The supplier, whose price was lowest shall be invited to conclude the contract, the deadline for arrival to sign the procurement contract shall be specified by the contracting authority.

9.4. 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.

## **10. TERMS OF THE PROCUREMENT CONTRACT**

10.1. The procurement contract shall be concluded with the winner of this competition following the terms of this competition, Civil Code of the Republic of Lithuania

10.2. The final tender offer and the terms and conditions of the main purchase as well as the main terms and conditions of the purchase determined at the beginning of the buyer's purchase shall



not be changed upon conclusion of the procurement contract, except as provided in Paragraph 8 of these Rules

10.3. Payment terms:

- 10.3.1. 15 % contract price no later than five days after signing the contract;
- 10.3.2. 15 % contract price no later than three months after signing the contract;
- 10.3.3. 60% contract price within 14 days after notification of the preparation of the equipment for loading;
- 10.3.4. 10 % contract price no later than 15 days after signing the acceptance certificate.

10.4. In the case of advance payment (10.3.1; and 10.3.2), Supplier will be obligated to provide Contracting Authority with the bank guarantee or insurance at the amount of advance payment.

10.5. In case of unforeseen circumstances, the scope and composition of equipment can be modified by agreement of both parties:

- 10.5.1. The supplier informed that completing parts which contains the line (tender conditions Annex 2) are not produced, and propose to replace these parts to equivalent or to parts with better technical characteristics, without changing the total contract price;
- 10.5.2. Change the completing part of the line to in market appear similar, better technical characteristics distinguished parts, without changing the total contract price.

10.6. In the performance of the procurement contract, the essential terms of the purchase contract will not be changed if:

- 10.6.1. they are replaced by new conditions which, if set out in the procurement documents, would have enabled the suppliers to participate in procurement procedures other than those involved;
- 10.6.2. they are replaced by new conditions which, if they were set out in the procurement documents, could be recognized as the successful tender by the successful tenderer;
- 10.6.3. the object of the purchase is changed so that new (additional) goods, services or works are included in the amended procurement contract;
- 10.6.4. the economic equilibrium of the contract changes in favor of the person with whom the contract was concluded, as was not stipulated in the terms of the original contract.

10.7. The purchase contract or framework contract may also be modified during the period of validity of the contract if the amendment substantially alters the nature of the purchase contract and the total value of individual changes under this item does not exceed 10 per cent of the original value of the purchase contract for the purchase of goods or services.

## 11. CONCLUDING PROVISIONS

11.1. Suppliers should cover all costs of preparing the tender and participating in the competition. Contracting authority shall not refund such costs.

11.2. 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.





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11.3. Information submitted in the tenders is confidential (except for the information announced at the tender opening procedure) and will not be announced to other suppliers or other parties, excluding individuals who administrate and audits the EU structural funds.

11.4. The Contracting Authority informs all suppliers who submitted a tender of the signing the procurement contract, no later than in 3 working days from the date of the signing and indicates the supplier with whom the procurement contract is signed and the price of tender.

## **12. APPENDIXES**

- 12.1. Form of Tender;
- 12.2. Technical specification.



**TENDER  
FOR AUTOMATIC COILING/SPOOLING-PACKAGING LINE**

2021- .

*date*

*place*

Title of supplier	
Supplier's address	
For the tender responsible person's name, surname	
Phone	
Fax	
E-mail	

By this tender, we confirm that we agree with all conditions laid down in:

- 1) announcement of the procurement published at the website [www.esinvesticijos.lt](http://www.esinvesticijos.lt) on April 26, 2021.
- 2) terms of competition;
- 3) appendixes of terms of competition.

We propose this equipment:

No.	Title	Quantity	Unit	Price without VAT	Price with VAT (if applicable)
1	2	3	4	5	6
1.	Automatic coiling/spooling-packaging line	1	unit		
TOTAL (price of the tender):					

Proposed equipment is in compliance with the requirements specified in terms of competitions and their characteristics are as follow:

No.	Required minimum specification and amount of equipment	Offered specification and amount of equipment
1	2	3
1.	<b>Basic requirements of equipment:</b>	
1.1.	Equipment is new and unused	
1.2.	Equipment model must be introduced in the market not early than 2017.	
1.3.	Equipment must be complying with European Union	



	statutory safety requirements	
2.	<b>Line technical data:</b>	
2.1.	<b>The line is suitable for the following range of cables:</b>	
2.1.1.	Insulated flexible cables having an overall diameter, from 2 until 12mm	
2.1.2.	Solid single core wires having an overall diameter, up to 6 mm	
2.1.3.	Flexible multicore cables having an overall diameter, from 2,5 until 12 mm	
2.1.4.	Flat cables having a size in (height x width) from 3,5x5,5 mm up to 5,5x13 mm	
2.2.	<b>Estimated production:</b>	
2.2.1.	Min. 1,5 coils 100 mt. length per minute	
2.2.2.	Min. 1,5 spools 100 mt length per minute	
2.3.	<b>Coil dimensions:</b>	
2.3.1.	Max outer coil diameter – 300 mm	
2.3.2.	Min outer coil diameter - 95 mm	
2.3.3.	Coil height - from 35 up to 150 mm	
2.3.4.	Max. coil weight - 18 kgs	
2.4.	<b>Spools dimensions:</b>	
2.4.1.	Max outer spool flange diameter – 290 mm	
2.4.2.	Min outer spool flange diameter – 120 mm	
2.4.3.	Overall spool width - from 65 up to 190 mm	
2.4.4.	Max. spool weight - 18 kgs	
3.	<b>Line composition:</b>	
3.1.	Portal pay-off with safety guards Reel flange diameter not less 800 mm	
3.2.	Vertical dancer with sensor for detecting the presence/absence of the cable. Must be provided with plastic pulleys having flat grooves with a diam. Not less 400 mm	
3.3.	Two-axis infrared ray lump detector: Product diameter from 0,5 untill 25mm Min. fault length 0,5 mm Speed range from 1 up to 3000m/min	
3.4.	Meter counter - resolution and accuracy +-0,1% or better.	
3.5.	Spark tester: Product diameter up to 30mm Test voltage 0,5-15kV	
3.6.	Software, PC: PC touch colour screen Windows WIN7 Hard disc type SSD(solid state disk) OPCUA protocol	
3.7.	Automatic coiling head composed of: 1psc. automatic coiling/spooling head 1psc. device for loading empty spools 1psc. cable guide, 1psc. wrapping system	



	1psc. conveyor for empty spools 1set of safety guards	
3.8.	Thermoshrinking tunnel: Welding bar long not less 700mm Height of working stations untill 950mm Film roll dimensions: max. O.D. 350mm max. width 750mm thickness from 35 up to 100micron	
3.9.	Electronic labelling machine: Definition of the thermic head not less 300dpi Dimension of thermal head not less - 4” Max. label dimension 115x90mm (HxB) Max printing area 100x90mm Labe min. dimensions 68x38mm	
3.10.	Idle roller - length not less -2000 mm	

With the tender the following documents are submitted:

No.	Title of the documents submitted	Quantity of document pages

Tender is valid until June 25, 2021.

I, the undersigned, hereby certify that all information of our tender is correct and that we 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 participating in this competition or any other interested party.

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*



## TECHNICAL SPECIFICATION

### 1. Objective

Purchase point – purchase automatic coiling/spooling-packaging line dedicated for the rewinding wires and cables to the coils or spools from 5 up to 100 meters long or more.

### 2. General requirements for equipment

- Equipment must be new
- The equipment model must be introduced to the market no earlier than 2017;
- Equipment must be complying with European Union statutory safety requirements.

### 3. Technical specification

#### 3.1. Line Performances

The line must be suitable for the following range of cables:

- Insulated flexible cables having an overall diameter, from 2 until 12 mm
- Solid single core wires having an overall diameter, up to 6 mm
- Flexible multicore cables having an overall diameter, from 2,5 until 12 mm
- Flat cables having a size in (height x width) from 3,5x5,5 mm up to 5,5 x13 mm

#### 3.2. Line technical data:

Line speed:

- Min. 1,5 coils 100 mt. length per minute
- Min. 1,5 spools 100 mt length per minute

Required Coil dimensions:

- Max outer coil diameter – 300 mm
- Min outer coil diameter - 95 mm
- Coil height - from 35 up to 150 mm
- Max. coil weight – 18 kgs

Required Spools dimensions:

- Max outer spool flange diameter – 290 mm
- Min outer spool flange diameter -120 mm
- Overall spool width from 65 up to 190 mm
- Max. spool weight – 18 kgs



### 3.3 Line composition

No.	Quantity	Device name	Device technical description
1	1	Portal pay-off With safety guards	Reel flange diameter not less 800 mm
2	1	Vertical dancer with sensor for detecting the presence/absence of the cable	Must be provided with plastic pulleys having flat grooves with a diam. Not less 400 mm
3	1	Two-axis infrared ray lump detector	Product diameter from 0,5 until 25 mm Min. fault length 0,5 mm Speed range from 1 up to 3000 m/min
4	1	Meter counter,	resolution and accuracy $\pm 0,1\%$ or better.
5	1	Spark tester	Product diameter up to 30 mm Test voltage 0,5-15 kV
6	1	Software, PC	PC touch colour screen Windows WIN7 Hard disc type SSD(solid state disk) OPCUA protocol
7	1	Automatic coiling/spooling head	composed of: 1psc. automatic coiling/spooling head 1psc. device for loading empty spools 1psc. cable guide, 1psc. wrapping system 1psc. conveyor for empty spools 1set of safety guards
8	1	Thermoshrinking oven	Welding bar long not less 700 mm Height of working stations until 950 mm Film roll dimensions: max. O.D. 350 mm max. width 750 mm thickness from 35 up to 100 micron
9	1	Electronic labelling machine	definition of the thermic head not less 300 dpi Dimension of thermal head not less - 4" Max. label dimension 115x90 mm (HxB) Max printing area 100x90 mm Labe min. dimensions 68x38 mm
10.	1	Idle roller	Length not less – 2000 mm