**Table of contents**

[**I.** **INFORMATION REGARDING MEETING TECHNICAL AND FUNCTIONALITY CONDITIONS OF THE SUBJECT MATTER OF THE CONTRACT:** 3](#_Toc78527606)

[**1.** **Drum Twister** 3](#_Toc78527607)

[**2.** **Pay-off device (main)** 7](#_Toc78527608)

[**3.** **Take-up device (main)** 8](#_Toc78527609)

[**4.** **Laser length counter** 8](#_Toc78527610)

[**5.** **Taping head** 9](#_Toc78527611)

[**6.** **Ink-Jet printer** 10](#_Toc78527612)

[**7.** **Additional equipment** 11](#_Toc78527613)

[**II.** **FLAT-PRICE** 12](#_Toc78527614)

[**III.** **WARRANTY** 12](#_Toc78527615)

[**IV.** **TIME OF ORDER DELIVERY** 12](#_Toc78527616)

[**V.** **TIME OF FAILURE REMOVAL IN TERMS OF ELECTRONICS AND INSTRUMENTATION** 13](#_Toc78527617)

[**VI.** **SPECIFY VALIDITY TIME OF THE PROPOSAL** 13](#_Toc78527618)

[**VII.** **STAFF TRANING** 13](#_Toc78527619)

[**VIII.** **COUNTRY OF ORIGIN OF THE DELIVERY ITEM** 14](#_Toc78527620)

[**IX.** **CONSENT FOR PROCESSING PERSONAL DATA:** 15](#_Toc78527621)

[**X.** **REPRESENTATIONS:** 16](#_Toc78527622)

**Annex no. 2**

**to the Request for Proposal no.:**

**07/POIR.01.01.01-00-0005/20/2021**

 A model form of the proposal and the required statements and declarations including technical specification of the Subject Matter of the Contract

 ...............................................................

 Place and date

**PROPOSAL FORM**

**TENDERER:**

|  |  |
| --- | --- |
| Name : |  |
| Address: |  |
| Tax Id. No. (NIP) (if any) |  |
| VAT |  |
| Contact person: |  |
| Position: |  |
| e-mail address: |  |
| Telephone no.: |  |

**CONTRACTING ENTITY:** Tele-Fonika Kable S.A., ul. Hipolita Cegielskiego 1, 32-400 Myślenice

Dear Sir/Madame,

In response to the Request for Proposal of ……… (date), request no. **07/POIR.01.01.01-00-0005/20/2021**

for the design preparation, delivery and start-up of a new drum twister line for the production of sector based Milliken type conductors, including necessary software and equipment.

The line has functional and technical parameters specified in the inquiry and consists of the following components of rigid cage strander including:

- Drum twister

- Pay-off device (main)

- Take-up device (main)

- Laser length counter

- Taping head

- Jet printer

- Additional equipment

We would like to submit an offer in accordance with the scope presented in the Request for Proposal.

1. **INFORMATION REGARDING MEETING TECHNICAL AND FUNCTIONALITY CONDITIONS OF THE SUBJECT MATTER OF THE CONTRACT:**
2. **Drum Twister**

|  |  |  |
| --- | --- | --- |
| **Item** | **Functionality - Drum Twister:** | Information on meeting required functionality enterYES or NO |
| 1. | Drum Twister for stranding Milliken sector conductors (aluminum / copper)  |  |
| 2. | The line must be equipped with a system for guiding yarns from the pay-offs to the dividing head and taping head |  |
| 3. | The line must be equipped with pay-offs for non-metallic fabric textile sealing tapes along with the system for guiding the tape from the tape pads to the first die |  |
| 4. | The line must be equipped with forming dies for forming non-metallic tapes around the conductor |  |
| 5. | The line must be equipped with additional devices for application of semi-conductive tapes on the stranded conductor |  |
| 6. | Machine control - standard stop and quick emergency stop |  |
| 7. | Automatic machine stop with information on the control panel in the event of a wire break |  |
| 8. | Line configuration and setup, line training for operators and supervising personnel to be provided by the supplier.  |  |
| 9. | Remaining equipment necessary for the operation of the line and accessories considered by the supplier as essential |  |
| 10. | All necessary installation materials for setting up and connecting the machine |  |
| 11. | Complete set of wiring |  |
| 12. | Control and power cabinets |  |
| 13. | Cable trays, anchors to connect the machine with control cabinets |  |
| 14. | Other materials necessary for the assembly and commissioning of the line |  |
| 15. | A set of instrumentation for selected acceptance tests |  |
| 16. | Supplier supervision during assembly. In order to guarantee the proper quality of the installation during the assembly period, the supplier will provide specialists in the field of mechanics, electrics and automation/instrumentation. |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Item** | **Technical Parameters - Drum Twister** | **Value** | Information on meeting the requirement(declare whether the value meets the requirement **by entering** **YES or NO**) | Information on meeting the requirement(**enter the parameter value of the offered item)**  | Comments(enter if applicable) |
| 1. | The range of the produced Sectorsand laid-up multi-core cables:Sectors Cu Sectors Al Milliken conductors Range of diameters of stranded conductors | up to 730 mm2up to 730 mm2up to 3000 mm2from 30 to 160 mm |  |  |  |
| 2. | Configuration of the dividing head:Milliken | 1 + 5  |  |  |  |
| 3. | Place for installation of stationary dies - after dividing head, must be possible to open the die clamping and remove the drawing die. It must be possible to change the distance from the dividing head- additionally the fixing must be possible to rotate in both directions after releasing the brake | 3 pieces |  |  |  |
| 4. | Rotating capstan, covering the entire range of sizes to be produced (max 3000 mm2 Cu conductor). It must be able to work forward and backward (winding and unwinding) - range of diameters | from 30 mm to 160 mm  |  |  |  |
| 5. | Conductor break detection system - Automatic machine stop with information in the control panel | 1 set |  |  |  |
| 6. | Safety protections – Must meet the requirements of CE ISO 45001, including safety fences around potentially dangerous places (applies to the entire machine, including the take-up and the pay-off) | 1 set |  |  |  |
| 7. | Automatic system for controlling rotation speed of the pay-off drums, which must also allow for pre-twisting control, in the range of 800-3000 mm of ready Milliken conductor  | 5 pieces |  |  |  |
| 8. | System for guiding cores for laying-up operation - A set of rollers, supports, sockets guiding the core for twisting from the pay-off drum to the dividing head | 1 set |  |  |  |
| 9. | Yarn pay-offs with the system for detection of yarn end / break  | 10 pieces |  |  |  |
| 10. | The dimensions of the yarn tubes:Inner diameterOuter diameter Tube length | φ 54 mmφ 280 mm220 mm |  |  |  |
| 11. | Pay-offs for non-metallic tapes on pads with the system for detecting tape end / break and the ability to adjust the tension | 6 pcs.  |  |  |  |
| 12. | The dimensions of tape pads to be used:Inner diameterOuter diameterTape width  | φ 100 mmφ max 800 mm from 25 to 150 mm |  |  |  |
| 13. | Stationary drum Pay-off:Load capacity Drum height (flange diameter) | 6 t1200-1800 mm |  |  |  |
| 14. | Digital conductor diameter gauge with ability to measure in three (3) axes | accuracy of +/- 0.1 mm or better |  |  |  |
| 15. | Safety fences preventing access to potentially dangerous zones and a closed cover for the taping head | 1 set |  |  |  |
| 16. | Cabling set:Control cablesPower cablesICT cablesSpecial cables and connectors necessary for connecting and starting up the line | 1 set1 set1 set1 set |  |  |  |
| 17. | Acceptance and preliminary tests:Production of Al 3000 mm2 conductor sealed with the use of tapes yarns and powder | A minimum of 24 hours testing  |  |  |  |
| 18. | Set of spare parts | value of parts: up to 5% of the total value of the proposal |  |  |  |
| 19. | Control and power cabinets: Power cabinets Control cabinets | 1 set1 set |  |  |  |
| 20. | Cable trays, anchors and other necessary materials needed for the assembly and start-up of the line | 1 set |  |  |  |
| 21. | A set of tooling for selected acceptance conductors | 1 set of dies |  |  |  |
| 22. | Supplier supervision during installation and commissioning of the line: a. supervision during installation b. synchronization and start-up of the line c. acceptance tests and training of the Ordering Party's personnel d. costs related to the accommodation and transport of the Supplier's personnel | min 15 daysmin 20 daysmin 15 days1 set |  |  |  |

1. **Pay-off device (main)**

|  |  |  |
| --- | --- | --- |
| **Item** | **Functionality – Pay-off device (main)** | Information on meeting required functionality enterYES or NO |
| 1. | Automatic lifting and lowering of the drums |  |
| 2. | Measurement System of controlling the tension of the sectors at the entry up to the first die |  |
| 3. | Camera system providing a vision for each pay-off drum to be located on the pay-off arm (camera must rotate together with the pay-off) |  |
| 4. | Pay-offs are to be of the open fork type  |  |
| 5. | Loading the drums with sectors from the front, with the possibility of loading from the side with the use of trolleys on rails |  |

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| --- | --- | --- | --- | --- | --- |
| **Item** | **Technical Parameters - Pay-off device (main)** | **Value** | Information on meeting the requirement(declare whether the value meets the requirement **by entering** **YES or NO**) | Information on meeting the requirement(**enter the parameter value of the offered item)**  | Comments(enter if applicable) |
| 1. | Number of rotating pay-offs  | 6 pieces |  |  |  |
| 2. | Pay-offs suitable to drums dimensions according to DIN standard:Height (Flange diameter) Width Barrel diameter  | from 2140 to 3000 mmMax 2500 mm1450 mm |  |  |  |
| 3. | Load capacity | up to 20 t |  |  |  |
| 4. | Drum braking system, with the possibility of separate adjustment of the braking value for individual drum pay-offs | 6 sets |  |  |  |
| 5. | Camera system, with view on the pay-off and the take-up. The set must include the monitor located at the main control panel.  | 1 set  |  |  |  |

1. **Take-up device (main)**

|  |  |  |
| --- | --- | --- |
| **Item** | **Functionality – Take-up device (main)** | Information on meeting required functionality enterYES or NO |
| 1. | Automatic lifting and lowering of the drums |  |
| 2. | Drum rotation synchronized with the line |  |
| 3. | Possibility of applying PE foil to individual layers of cable wound onto the drum  |  |
| 4. | The device must be equipped with the system for fast fixing of the conductor end to the drum |  |
| 5. | Take-up of the closed fork type  |  |
| 6.  | The device must be able to operate forward and backward (winding and unwinding) |  |

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| --- | --- | --- | --- | --- | --- |
| **Item** | **Technical Parameters - Take-up device (main))** | **Value** | Information on meeting the requirement(declare whether the value meets the requirement **by entering** **YES or NO**) | Information on meeting the requirement(**enter the parameter value of the offered item)**  | Comments(enter if applicable) |
| 1. | Take-up suitable to drums with the dimensions according to DIN standard: Height (flange diameter) Width Barrel diameter  | 2500 - 5000 mm1900 - 2500 mm2400 mm |  |  |  |
| 2. | Load capacity | up to 75 t |  |  |  |
| 3. | Pulling force | 5000 daN |  |  |  |

1. **Laser length counter**

|  |  |  |
| --- | --- | --- |
| **Item** | **Functionality – Laser length counter** | Information on meeting required functionality enterYES or NO |
| 1. | Length counter in meters (every 0.5m) |  |
| 2. | The system must include rollers guiding the conductor to the counter |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Item** | **Technical Parameters - Laser length counter** | **Value** | Information on meeting the requirement(declare whether the value meets the requirement **by entering** **YES or NO**) | Information on meeting the requirement(**enter the parameter value of the offered item)**  | Comments(enter if applicable) |
| 1. | Accuracy of measurement | 0,1% or better |  |  |  |
| 2. | Range of operating speed | from 0 to 30 m/min |  |  |  |

1. **Taping head**

|  |  |  |
| --- | --- | --- |
| **Item** | **Functionality – Taping head** | Information on meeting required functionality enterYES or NO |
| 1. | A device to be placed between the dies and the rotating capstan, allowing for application of two non-metallic tapes on the conductor  |  |
| 2. | Possibility to change the lay-length and direction of laying (Left / Right), the Taping head to be synchronised with the line ensuring a constant lay length of the applied tape |  |
| 3. | Die mounting - the die mounting is to be located in front of the tape pay-off arms - caliber should be in a fixed position - non-rotating- the mounting / seat should be openable, with the possibility of replacing the caliber at different moments of twisting |  |
| 4.  | Must ensure the possibility of adjusting the arrangement of the tape, the frame must enable to move the end of the tape to the desired place by adjusting the overlap of the tapes |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Item** | **Technical Parameters - Taping head** | **Value** | Information on meeting the requirement(declare whether the value meets the requirement **by entering** **YES or NO**) | Information on meeting the requirement(**enter the parameter value of the offered item)**  | Comments(enter if applicable) |
| 1. | Parameters of pads with non-metallic tape:Inner diameterOuter diameterWidth | 100 mmmax 800 mmfrom 25 to 150 mm |  |  |  |
| 2. | Integrated with the twister and its speed | from **0** to **60** m/min |  |  |  |
| 3. | Soundproof cover over the taping head | 1 set |  |  |  |
| 4. | Braking system of the tape pad, the ability to adjust the braking value of individual pads | from **2** to **30** kG |  |  |  |
| 5. | The device must be equipped with the sensor of tape end, which would automatically signal the end of the tape with an visual signal and automatic line stop | 1 set |  |  |  |
| 6. | Must be equipped with forming die for yarns, placed in the taping head, allowing for the arrangement of yarns in the cavities in between the sectors | 2 pieces |  |  |  |

1. **Ink-Jet printer**

|  |  |  |
| --- | --- | --- |
| **Item** | **Functionality – Ink-Jet printer** | Information on meeting required functionality enterYES or NO |
| 1. | Ink color: white |  |
| 2. | The adhesion of ink must meet the requirements of printing durability after wiping 10 times with a material cloth |  |
| 3. | Printer work must be integrated with a laser and a caterpillar-type counter |  |
| 4. | The supplier is to provide all the necessary elements to work in the production line: encoder, encoder divider, vacuum regulator in the printing head, mounting elements for the printing head, table for printer with an arm for the printing heads, signal lamp (alarm), printing head washing station |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Item** | **Technical Parameters – Ink-Jet printer)** | **Value** | Information on meeting the requirement(declare whether the value meets the requirement **by entering** **YES or NO**) | Information on meeting the requirement(**enter the parameter value of the offered item)**  | Comments(enter if applicable) |
| 1. | Printing speed | from 0 m/min to 30 m/min |  |  |  |

1. **Additional equipment**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Item** | **Technical Parameters - Additional equipment** | **Value** | Information on meeting the requirement(declare whether the value meets the requirement **by entering** **YES or NO**) | Information on meeting the requirement(**enter the parameter value of the offered item)**  | Comments(enter if applicable) |
| 1. | Drum Pusher for moving the drums with flange diameter of 5000 mm and weight of up to 75 t | 1 piece |  |  |  |
| 2. | Hydraulic cable cutters for conductors of up to Cu 3500 mm2 | 1 piece |  |  |  |
| 3. | Pulling capstan for pulling the conductors from the pay-off drums to the die. Located between the taping head and the main capstan. | 1 piece |  |  |  |

1. **FLAT-PRICE**

|  |  |  |
| --- | --- | --- |
| Subject Matter of the Contract  | Net flat-rate price - currency | Gross flat-rate price(if applicable[[1]](#footnote-1)) |
| Design preparation, delivery and start-up of a new drum twister line for the production of sector based Milliken type conductors, including necessary software and equipment. The line has functional and technical parameters specified in the inquiry and consists of the following components of rigid cage strander including:- Drum twister- Pay-off device (main)- Take-up device (main)- Laser length counter- Taping head- Jet printer- Additional equipment |  ….. - …. [[2]](#footnote-2)(price- currency) | ….. - ….(price- currency) |

1. **WARRANTY**

|  |  |
| --- | --- |
| Subject matter of the contract | Warranty period(in full months |
| Design preparation, delivery and start-up of a new drum twister line for the production of sector based Milliken type conductors, including necessary software and equipment. The line has functional and technical parameters specified in the inquiry and consists of the following components of rigid cage strander including:- Drum twister- Pay-off device (main)- Take-up device (main)- Laser length counter- Taping head- Jet printer- Additional equipment |  …. (in months, enter the number of months) |

1. **TIME OF ORDER DELIVERY**

|  |  |
| --- | --- |
| Subject Matter of the Contract | The expected date of order completion from the moment of signing the contract (in months)(the order completion date should include the entire subject of the contract as described in part I of the request for proposal, i.e. including design, delivery, commissioning and acceptance) |
| Design preparation, delivery and start-up of a new drum twister line for the production of sector based Milliken type conductors, including necessary software and equipment. The line has functional and technical parameters specified in the inquiry and consists of the following components of rigid cage strander including:- Drum twister- Pay-off device (main)- Take-up device (main)- Laser length counter- Taping head- Jet printer- Additional equipment | 1. Execution of the Drum twister:

……….………1. Drum twister delivery: ……….………
2. Commissioning and final acceptance of the Drum twister:

……………. (in months, enter the number of months)  |

1. **TIME OF FAILURE REMOVAL IN TERMS OF ELECTRONICS AND INSTRUMENTATION**

|  |  |
| --- | --- |
| Subject Matter of the Contract | Time of failure removal in terms of electronics and instrumentation(in calendar days) *Fulfilment of this criterion is understood as the number of calendar days starting from the reception of notification by the Supplier until the time of restoring full functionality of the equipment* |
| Design preparation, delivery and start-up of a new drum twister line for the production of sector based Milliken type conductors, including necessary software and equipment. The line has functional and technical parameters specified in the inquiry and consists of the following components of rigid cage strander including:- Drum twister- Pay-off device (main)- Take-up device (main)- Laser length counter- Taping head- Jet printer- Additional equipment |  ….(enter the number of calendar days) |

1. **SPECIFY VALIDITY TIME OF THE PROPOSAL**

|  |  |
| --- | --- |
| Validity time of the Proposal(in days) | …(in days, enter the number of days) |

1. **STAFF TRANING**

|  |  |
| --- | --- |
| Subject Matter of the Contract | The price of the Subject Matter of the Contract includes staff training |
| Design preparation, delivery and start-up of a new drum twister line for the production of sector based Milliken type conductors, including necessary software and equipment. The line has functional and technical parameters specified in the inquiry and consists of the following components of rigid cage strander including:- Drum twister- Pay-off device (main)- Take-up device (main)- Laser length counter- Taping head- Jet printer- Additional equipment | ❑YES ❑ NO [[3]](#footnote-3)  |

1. **COUNTRY OF ORIGIN OF THE DELIVERY ITEM**

|  |  |
| --- | --- |
| Subject Matter of the Contract | Country of origin of the Subject Matter of the Contract |
| Design preparation, delivery and start-up of a new drum twister line for the production of sector based Milliken type conductors, including necessary software and equipment. The line has functional and technical parameters specified in the inquiry and consists of the following components of rigid cage strander including:- Drum twister- Pay-off device (main)- Take-up device (main)- Laser length counter- Taping head- Jet printer- Additional equipment |  …( enter the name of the country) |

1. **CONSENT FOR PROCESSING PERSONAL DATA:**

I hereby declare that:

- I have read the information clause for Tenderers included described below

 **❑YES, ❑ NO[[4]](#footnote-4)1**

- I give my consent for my personal data to be processed within the scope defined in listed below

**❑YES, ❑ NO[[5]](#footnote-5)2**

As far the personal data is concerned, Tele-Fonika Kable S.A informs that the data Administrator is TELE-FONIKA Kable S.A. with its registered office in Myślenice; 32-400, ul. Hipolita Cegielskiego 1 (hereinafter referred to as the “Company”). The administrator can be contacted via the email address: daneosobowe@tfkable.com in all matters concerning processing of personal data and the use of rights in relation to the data processing. Your data will be processed for needs of responding to enquiries submitted by you; the legal basis for data processing is the necessity of implementation of the legitimate interest of the Administrator. A legitimate interest of the Administrator is selling and supporting the sale of its products and services, purchasing and supporting the purchase of goods and services and taking the opportunity to submit information about its services to the customer submitting offers tailored to needs and interests of the customer and increasing the sales of its services. Your personal data may be shared with:

* entities processing the personal data on behalf of the administrator (among others, providers of IT services) – these companies process the data on the basis of an agreement with the Administrator and solely on the instructions from the Administrator;
* entities providing or settling funding from public funds;
* entities providing consulting services, entities providing auditing services;
* other data administrators entitled to obtain data on the basis of applicable law, including the Ministry of Investment and Development as a data administrator in the Central Information System SL 2014.

Your personal data will be stored util the expiry of the storage obligation resulting from the provisions of the law, including applicable regulations on State aid. You have the right to access your data and to request their rectification, erasure, or limitation of their processing. At your request, the Administrator shall provide a copy of the personal data that are subject to processing, whilst any subsequent copies requested by you may be subject to a fee imposed by the Administrator at a reasonable amount resulting from administrative costs. You have the right to withdraw your consent to processing of your data. Consent withdrawal does not affect the lawfulness of the processing, which had taken place on the basis of the consent given prior to the withdrawAl To the extent that your data are processed by automated means with a view to the conclusion and execution of the Contract or data processed on the basis of your consent, you have also have the right to transfer your personal data, namely to obtain your personal data in a structured, widely-used machine readable form. You can also forward the data to another data administrator. You also have the right to issue a complaint to the supervisory authority in charge of personal data protection. In order to exercise these rights, please contact the Data Administrator. The contact details are provided above. Providing personal data for the aforementioned purposes is voluntary. The Tenderer declares that they have read the information clause for Tenderers and give their consent to personal data processing by confirming the above in the Proposal Form that constitutes Annex 2 to this Request for proposal

1. **REPRESENTATIONS:**
2. **WE DECLARE,** that we have read the content of the Request for proposal, explanations and changes to the Request for proposal provided by the Contracting Entity and we deem ourselves bound with the provisions contained therein and the terms and rules of the tender procedure.
3. **WE ACCEPT** the payment terms specified by the Contracting Entity in the Request for proposal
4. **WE ARE** bound by the Proposal for the time period defined in the Request for proposal, however, not shorter than 120 days.
5. **We undertake** to submit performance bond along with all the applicable warranties guarantees specified in the Request for Proposal.
6. The devices presented in the Proposal are **NEW** and **COMPLY** with all legislation which allows for its use in Poland.
7. **WE ARE a manufacturer or an authorized representative of the manufacturer** of the subject of the contract described in section I of the Request for proposal On the request of the Contracting Entity we shall provide documents that confirm cooperation with the manufacturer that enables us to deliver the subject matter of the contract.
8. **WE DECLARE** that the subject matter is free of legal defects and the interest of third parties.
9. **WE ATTACH to the Proposal the technical specification of the Subject Matter of the Contract**

 ...................................................

 Signature of the Tenderer

1. [↑](#footnote-ref-1)
2. Enter price together with the currency in which the price is expressed [↑](#footnote-ref-2)
3. Tick the applicable [↑](#footnote-ref-3)
4. 1 Tick the applicable [↑](#footnote-ref-4)
5. 2 TIck the applicable [↑](#footnote-ref-5)