

Summary in the Public Procurement Bulletin

Name of the contracting authority: Regia Transport Electric Chisinau
The purchaser invites the economic operators who are interested and can meet its needs to participate in the purchase procedure on delivery/providing/executing the following goods:

| Nr | Code CPV | Name of requested goods/services/works | Measurement unit | Quantity | Full Required Technical Specification, Reference Standards | Estimated value (to be indicated for each batch) in MDL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Lot 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | 34900000-6 | Voltage converter 550/28V | complete | 20 | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2" style="text-align: center;">Input voltage, V:</td> </tr> <tr> <td>Rated voltage</td> <td style="text-align: center;">550</td> </tr> <tr> <td>Operating voltage range</td> <td style="text-align: center;">350 - 820</td> </tr> <tr> <td colspan="2" style="text-align: center;">Input current U = 550V, A:</td> </tr> <tr> <td>Rated current</td> <td style="text-align: center;">10</td> </tr> <tr> <td>Periodical intermittent current</td> <td style="text-align: center;">18</td> </tr> <tr> <td colspan="2" style="text-align: center;">Output voltage, V:</td> </tr> <tr> <td>Rated voltage</td> <td style="text-align: center;">27,5</td> </tr> <tr> <td>Operating voltage range</td> <td style="text-align: center;">20 -29,5</td> </tr> <tr> <td colspan="2" style="text-align: center;">Output voltage, A:</td> </tr> <tr> <td>Rated current</td> <td style="text-align: center;">120</td> </tr> <tr> <td>Periodical intermittent current</td> <td style="text-align: center;">250</td> </tr> <tr> <td>Rated efficiency, %</td> <td style="text-align: center;">≥85</td> </tr> <tr> <td colspan="2" style="text-align: center;">Climatic conditions of operation:</td> </tr> <tr> <td>Working temperature range</td> <td style="text-align: center;">from - 40 to + 40° C</td> </tr> <tr> <td>Air humidity</td> <td style="text-align: center;">98% when ambient temperature is + 25° C</td> </tr> <tr> <td>Atmospheric pressure</td> <td style="text-align: center;">from 86,6 to 106,6 kPa</td> </tr> <tr> <td>The weight, kg</td> <td style="text-align: center;">≤ 40</td> </tr> <tr> <td colspan="2" style="text-align: center;">Automatic protection for disconnection:</td> </tr> <tr> <td>Output surge</td> <td style="text-align: center;">(29,5±0,5) V</td> </tr> <tr> <td>Input voltage drop</td> <td style="text-align: center;">(260±30) V</td> </tr> <tr> <td>Output surge</td> <td style="text-align: center;">(840±30) V</td> </tr> <tr> <td>Output short circuit</td> <td style="text-align: center;">-</td> </tr> <tr> <td>Body overheating</td> <td style="text-align: center;">≤ 70 °C</td> </tr> <tr> <td colspan="2" style="text-align: center;">Resistance of insulations, MOm:</td> </tr> <tr> <td>Between the high voltage circuits «±550V» and the body</td> <td style="text-align: center;">≥10</td> </tr> <tr> <td>Between the high voltage circuits «±550V» and low voltage circuits «±27V»</td> <td style="text-align: center;">≥10</td> </tr> </table> | Input voltage, V: | | Rated voltage | 550 | Operating voltage range | 350 - 820 | Input current U = 550V, A: | | Rated current | 10 | Periodical intermittent current | 18 | Output voltage, V: | | Rated voltage | 27,5 | Operating voltage range | 20 -29,5 | Output voltage, A: | | Rated current | 120 | Periodical intermittent current | 250 | Rated efficiency, % | ≥85 | Climatic conditions of operation: | | Working temperature range | from - 40 to + 40° C | Air humidity | 98% when ambient temperature is + 25° C | Atmospheric pressure | from 86,6 to 106,6 kPa | The weight, kg | ≤ 40 | Automatic protection for disconnection: | | Output surge | (29,5±0,5) V | Input voltage drop | (260±30) V | Output surge | (840±30) V | Output short circuit | - | Body overheating | ≤ 70 °C | Resistance of insulations, MOm: | | Between the high voltage circuits «±550V» and the body | ≥10 | Between the high voltage circuits «±550V» and low voltage circuits «±27V» | ≥10 | 600 000,00 |
| Input voltage, V: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Rated voltage | 550 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Operating voltage range | 350 - 820 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Input current U = 550V, A: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Rated current | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Periodical intermittent current | 18 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Output voltage, V: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Rated voltage | 27,5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Operating voltage range | 20 -29,5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Output voltage, A: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Rated current | 120 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Periodical intermittent current | 250 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Rated efficiency, % | ≥85 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Climatic conditions of operation: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Working temperature range | from - 40 to + 40° C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Air humidity | 98% when ambient temperature is + 25° C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Atmospheric pressure | from 86,6 to 106,6 kPa | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| The weight, kg | ≤ 40 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Automatic protection for disconnection: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Output surge | (29,5±0,5) V | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Input voltage drop | (260±30) V | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Output surge | (840±30) V | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Output short circuit | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Body overheating | ≤ 70 °C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Resistance of insulations, MOm: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Between the high voltage circuits «±550V» and the body | ≥10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Between the high voltage circuits «±550V» and low voltage circuits «±27V» | ≥10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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| | | | | Between the body and the low voltage circuits «±27V» | ≥10 | |
| | | | | Warranty period, months | ≥12 | |
| 2 | 3490000-6 | Voltage converter 550/380V | pieces | Input voltage, V: | | 300 000,00 |
| | | | 10 | Rated voltage | 600 | |
| | | | | Operation voltage range | 350 - 820 | |
| | | | | Rated power, kWt | 6 | |
| | | | | Rated output voltage, V | 380 | |
| | | | | Output current type | Alternative | |
| | | | | output phase number | 3 | |
| | | | | Control power-supply voltage, V | from 17 up to 32 | |
| | | | | Rated current per phase, A | 10 | |
| | | | | Resistance of insulation, MOm: | | |
| | | | | Between the high voltage circuits «±550V» and body | ≥10 | |
| | | | | Between the high voltage circuits «±550V» and low voltage circuits «±27V» | ≥10 | |
| | | | | Between the body and the low voltage circuits «±27V» | ≥10 | |
| | | | | Climatic conditions of operation: | | |
| | | | | Working temperature range | from - 40 to + 40° C | |
| | | | | Air humidity | 98% when ambient temperature is + 25° C | |
| | | | | Atmospheric pressure | from 86,6 to 106,6 kPa | |
| | | | | Warranty period, month | ≥12 | |
| | | | | Weight, kg | ≤ 20 | |
| 3 | 3490000-6 | Electronic drive for asynchronous traction motor | complete | Made on the basis of IGBT modules (transistor) | | 2 500 000,00 |
| | | | 10 | Driving and control of asynchronous traction motors, 3 phases | | |
| | | | | To be prepared constructively for installation on trolleybuses AKCM - 321 version 32100K and 3210KI | | |
| | | | | Input voltage, V: | | |
| | | | | Rated voltage | 600 | |
| | | | | Operating voltage range | 350 - 820 | |
| | | | | Control power supply voltage, V | from 17 to 32 | |
| | | | | Rated power, kWt | ≥ 200 | |
| | | | | Rated current, A | 350 | |
| | | | | output frequency range, Hz | 0 - 135 | |
| | | | | Recovery voltage, V | 750 | |
| | | | | Resistance of insulations, MOm: | | |
| | | | | Between high voltage circuits «± 550V» and the body | ≥10 | |
| | | | | Between high voltage circuits «± 550V» and the low voltage circuits «± 27V» | ≥10 | |
| | | | | Between the body and the low voltage circuits «±27V» | ≥10 | |
| | | | | Climatic conditions for operation: | | |

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|---|--|--|--|---------------------------|--|
| | | | | Working temperature range | from - 40 to + 40° C |
| | | | | Air humidity | 98% when ambient temperature is + 25 ° C |
| | | | | Atmospheric pressure | from 86,6 to 106,6 kPa |
| | | | | Efficiency, % | ≥90 |
| | | | | Warranty period, months | ≥12 |
| | | | | Weight, kg | ≤85 |
| Estimated total amount in MDL, VAT exclusive | | | | | 3 400 000,00 |

Deadline for submission:

- hour: according to SIA RSAP
- date: according to SIA RSAP

Tenders or requests to participate will be submitted electronically through SIA RSAP

The price offer may be submitted in foreign currency, which will be converted in MDL using the NBM exchange rate at the date of tender evaluation. Residence of Moldova shall carry the good at the expense of the seller up to the warehouse of ME Regia Transport Electric, located in Chisinau, 146 M. Dosoftei Street, and the expenses will be included in their price offer. The payment for the purchase of the good shall be made by bank transfer within 60 days from the date of receipt of the good.

The leader of the working group: Dorin CIORNEA

