

## PARTICIPATION ANNOUNCEMENT

on the purchase of Trolleybus Stand-alone Motion System  
through the Open Tender purchase procedure

1. Name of the contracting authority: ME „Regia Transport Electric”
2. IDNO: 1003600048486
3. Address: 146 Mitropolit Dosoftei Street, Chisinau
4. Telephone/fax number: 022 204 129, 022 204 145, 022 75 26 63
5. E-mail and Internet address of the contracting authority: [rtechishinau@gmail.com](mailto:rtechishinau@gmail.com), [rtec.md](http://rtec.md).
6. E-mail or Internet address allowing access to the award documentation: *the award documentation is attached in the procedure in SIA RSAP*
7. The type and the core business of the contracting authority (where relevant, please make mention that the contracting authority is a central purchase authority or the purchase involves another kind of common purchase): Public transport services
8. The purchaser invites the economic operators who are interested and can meet its needs to participate in the purchase procedure on delivering/providing/executing the following goods/services/works:

Order Nr	CPV Code	Name of the requested goods / services / works	Measurement unit	Quantity	Full required technical specification, reference standards	Estimated value (to be indicated for each lot separately) in MDL																																				
<b>Lot 1</b>																																										
1	34900000-6	Voltage converter 550/28V	complete	10	<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 current, 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>Rating efficiency, %</td> <td style="text-align: center;">≥85</td> </tr> <tr> <td colspan="2" style="text-align: center;">Climatic conditions for 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% with 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>Weight, kg</td> <td style="text-align: center;">≤ 40</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 current, A:		Rated current	120	Periodical intermittent current	250	Rating efficiency, %	≥85	Climatic conditions for operation:		Working temperature range	from - 40 to + 40° C	Air humidity	98% with ambient temperature is + 25° C	Atmospheric pressure	from 86,6 to 106,6 kPa	Weight, kg	≤ 40	
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2	34900000-6	Voltage converter 550/380V	complete	5	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 insulation, MOhm:	
					Between the high voltage circuits «±550V» and the body	≥10
					Between the high voltage circuits «±550V» and the low voltage circuits «±27V»	≥10
					Between the body and the low voltage circuits «±27V»	≥10
					Warranty term, months	≥18
					Input voltage, V:	
					Rated voltage	600
					Operating voltage range	350 - 820
					Rated power, kWt	6
					Rated output voltage, V	380
					Output current type	AC
					Output phase number	3
					Control power-supply voltage, V	from 17 up to 32
					Rated current per phase, A	10
Resistance of insulation, MOhm:						
Between the high voltage circuits «±550V» and the body	≥10					
Between the 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:						
Working temperature range	from - 40 to + 40° C					
Air humidity	98% with ambient temperature is + 25° C					
Atmospheric pressure	from 86,6 to 106,6 kPa					
Warranty period, monday	≥18					
Made on the basis on IGBT modules (transistor)						
Driving and control of asynchronous traction motors, 3-phase						
To be prepared constructively for trolleybuses AKCM - 321 version 32100K and 3210KI						
Input voltage, V:						
Rated voltage	600					

3	34900000-6	Electronic drive for asynchronous traction motor	complete	5	Operating voltage range	350 - 820
					Control power-supply voltage, V	from 17 up to 32
					Rated power, kWt	$\geq 200$
					Rated current, A	350
					Output frequency range, Hz	0 - 135
					Recovery voltage, V	750
					Resistance of insulation, MOhm:	
					Between the high voltage circuits « $\pm 550V$ » and the body	$\geq 10$
					Between the high voltage circuits « $\pm 550V$ » and the low voltage circuits « $\pm 27V$ »	$\geq 10$
					Between the body and the low voltage circuits « $\pm 27V$ »	$\geq 10$
					Climatic conditions for 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
					Efficiency, %	$\geq 90$
					Warranty period, monday	$\geq 18$
					4	34900000-6
Balancing of each element						
Charging of accumulator battery at optimal parameters under contact network						
Data exchange with the CAN interface						
Computerized diagnostics of the system and each element						
Hold of working thermic range						
Input voltage, V						
Rated voltage	550					
Operating voltage range	350 – 820					
Rated voltage of accumulator batteries, V	512					
Maximum current of accumulator batteries for traction, A	300					
Charging current for accumulator batteries for traction, A	50					
Total time for charging accumulator batteries, h	$\leq 2$					
Balancing modules, pcs.	160					

	Pover-supply voltage for system control, V.	17-32	
	Road trip in stand-alone mode, km	30	
	Climatic conditions for 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, months	≥18	
<b>Total estimated value in MDL excluding VAT</b>			<b>4 000 000,00</b>

**9. Deadline for submission:**

-hour: *according to SIA RSAP*

-date: *according to SIA RSAP*

**10. Tenders or requests for participation shall be submitted electronically through SIA RSAP**

**11. Place of opening the tenders: SIA RSAP. Late tenders shall be rejected.**

**12. Persons authorized to be present at the opening of tenders: *Tenderers or their representatives shall be entitled to participate at the opening of tenders, unless the tenders have been submitted through SIA RSAP.***

**13. The contract is related to a project and/or a program funded by the European Union:-**

**14. The contract is subject to the Agreement on Government Procurement of the World Trade Organization (only in the case of announcements sent for publication in the Official Journal of the European Union): NO**

**15. Other relevant information: 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.**

**Residents 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 the price offer. Non-residents of Moldova shall bear the expenses related to the carriage up to the buyer's terminal (DAP Chisinau), and the expenses will be included in the 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 CIORNI**

