

2.1. TECHNICAL SPECIFICATIONS

BMC OTOMOTİV SANAYİ VE TİCARET A.Ş.

59SS000286 / BASKI: 1.28.02.2015

BMC
OTOMOTİV SANAYİ VE TİCARET A.Ş.

FACTORY

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Call BMC : 444 9 262(BMC)

No. d/o	Name of item	Requirements	Offer Description
1	General Characteristics		
1.1	Year of manufacture	2020-2021	COMPLY - The year of manufacture of the buses will be 2020/2021 based on the date of order.
1.2	Vehicle category	M3, Bus for passenger transport on urban and suburban routes, at an ambient temperature of minus 35 ° C up to +45 ° C	COMPLY – BMC Procity 12m Diesel Bus is M3 category. The bus is suitable for passenger transport on urban and suburban routes, at an ambient temperatures on minus 35 ° C up to +45 ° C
1.3	Ecological class	Minim Euro 5	COMPLY - EURO 6 (CUMMINS B6.7ED300B EURO 6 engine)
1.4	Total capacity, passengers	≥100	COMPLY – The total capacity of Procity 12m Diesel Bus is 103 passengers without wheelchair and the total capacity of Procity 12m Diesel Bus is 100 passengers with wheelchair. 26 SEATED + 77 STANDING = 103 PASSENGER / 26 SEATED + 73 STANDING + 1 WHEELCHAIR = 100 PASSENGER
1.5	Seating capacity	≥22	COMPLY – The seating capacity of BMC Procity 12m Diesel Bus is 26 seats.
1.6	Landing climb supported by the bus with the maximum permissible load, not less than	25%	COMPLY - Landing climb supported by the bus with the maximum permissible load is 25% .
1.7	Turning radius, no more than	12,5 m	COMPLY – Turning radius of BMC 12m Diesel Bus is; Wall to wall : 10950mm, Kerb to kerb: 9200 mm

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1.8	Traction axle	Rear	COMPLY – BMC Procity 12m Diesel Bus is equipped with ZF AV 133/87 ^a brand rear tranction axle.
1.9	Wheel formula	4x2	COMPLY – 4x2
1.10	Tires	without a camera	COMPLY – BMC Procity 12m Diesel Bus is equipped with PIRELLI TUBELESS 275/70R22,5 (M+S) Tyres.
1.11	Overall dimensions: - length, mm - width, mm - height, mm	maximum 12 200 maximum 2550 maximum 3300	COMPLY – Overall dimensions of buses are given below; Length: 11970 mm Width: 2550 mm Height: 3080 mm
1.12	Clearance (ground clearance), mm	not less than 130	COMPLY – The ground clearance of the bus is 200 mm
1.13	Floor level, mm	maximum 340	COMPLY – The floor level of the bus is 340 mm
1.14	Floor level when activating the kneeling system at stations, kneeling mm	maximum 270	COMPLY – The kneeling level of BMC Procity 12m Diesel Bus is 270 mm.
1.15	Floor level	Lowered floor along the entire length of the bus	COMPLY - Completely low floor along entire length of the bus.
1.16	Fuel tank capacity	Minimum 300 liters	COMPLY - The fuel tank capacity is 300 liters.
2	Bus body		
2.1	Body type	Body with anti-corrosion processing.	COMPLY – Full immersion cathaphoresis anti-corrosion treatment is applied on whole body. Thus gives a long lasting
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		durability and rigidity of the bus, lined with steel sheet, with a base in the form of a lattice structure.	anti-corrosion lifespan. Entire framework is monocoque made by robotic welding. The compartments to be joined by welding, to ensure the durability and rigidity of the bus, lined with steel sheet, with a base in the form of a lattice structure.
2.2	Number of doors	No less than three doors with double swing. Moving the bus with the doors open will not be allowed. Doors will only be allowed to open if the bus is completely stopped, subsequent movement of the bus will be possible after the doors have been completely closed.	COMPLY - BMC Procity 12m Diesel bus is equipped with 3 doors with double swing. Security measures applied on buses does not allow them to be opened unless the bus is completely stopped. In other words, moving the bus with the doors open are not allowed. Doors are only be allowed to open if the bus is completely stopped, subsequent movement of the bus are possible after the doors have been completely closed.
2.3	Flooring	Resistant to wear and putrefaction .	COMPLY – Floor cover is resistant to wear and putrefaction.
2.4	Floor covering	Waterproof, made of non-slip fabric Grabiol or similar, resistant to fretting wear. The cover must also be laid under the seat fasteners.	COMPLY - The floor cover material is waterproof and non-slip as well as resistant to fretting wear. The cover is also laid under the seat fasteners.

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2.5	Passenger compartment of the bus	<p>It must be equipped with a sufficient number of bars for the maximum safe transport of passengers, with 4 surveillance cameras inside (one of which will be supervised the driver and three will be installed in the passenger compartment of the bus) and 4 outside (between which two front-rear cameras and two right-left side cameras), the information on the 8 surveillance cameras will be stored on a HDD with a capacity of at least 1Tb, endowment with audio-video information equipment for passengers, at least two monitors with the possibility of video playback; Mechanical, foldable hatch for the access of people with reduced mobility. The bus will be provided with a button to signal the intention to operate the ramp located both outside and inside and on board signaling for the driver.</p> <p>At the same time, inside the bus will be at least 3 buttons, located on the support bars in the direction of each door in order to signal the intention to get off the bus to the driver.</p> <p>The driver signaling will be visual as well as auditory. Possibility of connecting passenger counting equipment and GPS system.</p>	<p>COMPLY - All vehicles will be equipped with largely enough number of handle bars to maximize the transport safety.</p> <p>There will be 4 surveillance cameras inside (one of which will be supervised the driver and three will be installed in the passenger compartment of the bus) and 4 outside (between which two front-rear cameras and two right-left side cameras), the information on the 8 surveillance cameras will be stored on a HDD with a capacity of 1Tb. Endowment with audio-video information equipment for passengers, There are two monitors with the possibility of video playback. Mechanical, foldable hatch (Foldable mechanical ramp located on the second door (Middle door) area) for the access of people with reduced mobility. The bus will be provided with a button to signal the intention to operate the ramp located both outside and inside and on board signaling for the driver.</p> <p>Inside the bus, there will be 4 buttons, located on the support bars in the direction of each door in order to signal the intention to get off the bus to the driver.</p> <p>The driver signaling will be visual as well as auditory. There will be possibility of connecting passenger counting equipment and GPS system.</p>
2.6	Passenger seats	Anti-vandal, semi-rigid with anti-trauma handle.	COMPLY - Seats are anti-vandal, semi-rigid with anti-trauma handle.

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	<p>exit in the passenger compartment of the bus, so that passengers can enter or exit through both front swing doors of the bus. The cab will be equipped with ventilation through the side window and air conditioning. The cab will be equipped with ventilation through the side window and window for money.</p> <p>Driver's seat - air suspension with seat cushion height adjustment, longitudinal position, backrest tilt angle.</p> <p>Triplex windshield, with anti-glare effect.</p>	<p>by a partition wall but with the driver's exit in the passenger compartment of the bus, so that passengers can enter or exit through both front swing doors of the bus. The cab is equipped with ventilation through the side window (driver's window located on the left side) and air conditioning. The cab is equipped with ventilation through the side window and window for money.</p> <p>Driver's seat has air suspension with seat cushion height adjustment, longitudinal position, backrest tilt angle.</p> <p>The bus has triplex windshield, with anti-glare effect.</p>	
2.9	Exterior rearview mirrors	<p>With heating and electric drive, covered with screen against blinding light.</p>	<p>COMPLY - Exterior mirrors are controlled electrically and equipped with heating feature and covered with screen against blinding light.</p>
2.10	Information system	<p>Electronic informant (front, side, rear, passenger compartment) on board with the dissemination of information from the stick or analog device, inside informant with microphone, speakers, electronic control unit. The system must store up to 999 routes, the number of stations stored for each route not less than 999</p>	<p>COMPLY - Electronic informant (front, side, rear, passenger compartment) on board with the dissemination of information from the stick, inside informant with microphone, speakers, electronic control unit. The system stores up to 999 routes, the number of stations stored for each route not less than 999</p>
2.11	Towing device	<p>The bus needs to be equipped with a front and rear towing device.</p>	<p>COMPLY - BMC Procity 12m bus is equipped with towing devices located on both front and rear side.</p>
2.12	Bus windows	<p>The exterior windows of the bus must be installed by gluing with hermetic glue. The interior windows must</p>	<p>COMPLY - The exterior windows of BMC Procity 12m bus are installed by gluing with hermetic glue. The interior windows</p>

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		be transparent and the exterior windows with a heat-repellent effect.	are transparent and the exterior windows are with a heat-repellent effect.
2.13	Color of the bus	Sky blue, turquoise - The final color will be set in the contract.	COMPLY – The color will be sky blue, turquoise. BMC confirms that the final color will be set in the contract.
3	Technical specifications		
3.1	Engine	Four-stroke turbocharged diesel engine. The engine compartment must be equipped with a fire-fighting system.	COMPLY - Cummins B6.7ED300B four stroke turbocharged EURO VI diesel engine. Engine compartment is equipped with fire-fighting system.
3.2	Cooling system	Closed type liquid	COMPLY - Cooling system installed on the bus is closed type with liquid coolant.
3.3	Engine power, kW	Min. 210 kW Max. 240 kW	COMPLY – BMC Procity 12m Diesel Bus is equipped with CUMMINS brand B6.7ED300B model engine. Power output of engine is 220kW@ 2100 RPM.
3.4	Gearbox	Automatic with maximum 6 speeds and retarder.	COMPLY – BMC Procity 12m Diesel bus is equipped with ZF brand ECOLIFE AP 1200 B model automatic transmission with 6 forward and 1 rear speed and retarder.
3.5	Front axle	Dependent or independent.	COMPLY – BMC Procity 12m Diesel Bus is equipped with ZF RL 82 EC independent axle.
3.6	Rear axle	Rear axle of crankcase type with reduction gear.	COMPLY - BMC Procity 12m Diesel Bus is equipped with ZF RL AV 133 / 87° portal type axle(Rear axle of crankcase type with reduction gear).

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3.7	Front suspension	Dependent or independent, with two pneumatic elements, two hydraulic shock absorbers and air level regulator.	COMPLY – The front suspension of BMC Procity 12 m diesel bus is independent, equipped with 2 (two) pneumatic elements (2 (two) air bellows), 2 (two) hydraulic shock absorbers and air level regulator.
3.8	Rear suspension	Dependent, with four pneumatic elements, four hydraulic shock absorbers and air level regulator.	COMPLY - The rear suspension of BMC Procity 12 m diesel bus is dependent, equipped with 4 (four) pneumatic elements (4 (four) air bellows), 4 (four) hydraulic shock absorbers and air level regulator.
3.9	Steering equipment	Integral type, adjustable steering column, anti-traumatic.	COMPLY – BMC Procity 12m Diesel bus is equipped with integral type, fully adjustable steering column. The steering column is anti-traumatic.
3.10	Braking system	Pneumatics, with front-rear discs, with separate action of the front and rear axle, ABS, ASR system. Parking braking system ensuring maximum parking load for an infinite period of time.	COMPLY - BMC Procity 12m Bus is equipped with pneumatic brake system with front-rear discs, with separate action of the front and rear axle, ABS and ASR system. Parking brake and door brake work correlating other security sub-systems. Parking braking system ensures maximum parking load for an infinite period of time.
3.11	Electrical equipment	Batteries – 2x190-240Ah	COMPLY – BMC Procity 12m Diesel Bus is equipped with 2X240 Ah batteries.
3.12	Additional requirements	Presence of spare wheel, jack, anti-skid support under wheels, two fire extinguishers of at least 6 kg (including one in the driver's cab and one in the passenger compartment of the bus), 1 liter of paint for each bus, operation manuals for the bus and for the air conditioner, maintenance and repairs,	COMPLY – BMC Procity 12m Diesel bus will be equipped with; - 1 (one) spare wheel - 1 (one) jack - 1 (one) anti-skid support under wheels

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	<p>parking sensors, reversing view camera, reversing alarm, displaying the time in the bus passenger compartment and driver's cab, spare parts catalog for all bus components, bus diagnostic computer including necessary cables and software. Possibility to diagnose the bus units and its systems (OBD connector), centralized lubrication system, automatic body tilt system - kneeling function.</p>	<ul style="list-style-type: none"> - 2 (two) 6 kg ABC type fire extinguishers (including one in the driver's cab and one in the passenger compartment of the bus) - 1 (one) liter of paint for each bus - Operation manuals for the bus and for the air conditioner, maintenance and repair - Parking sensors - Reversing view camera - Reversing alarm - Displaying the time in the bus passenger compartment and driver's cab - Spare parts catalog for all bus components - bus diagnostic computer including necessary cables and software - Possibility to diagnose the bus units and its systems (OBD connector) - Centralized lubrication system - Automatic body tilt system – kneeling function
3.13	<p>Service during warranty</p> <p>The winner will ensure at his own expense throughout the warranty period, the service of the bus according to the manufacturer's regulations: exchange of lubricants, filters, belts, service of air conditioners, other necessary parts and consumables (the estimated average annual mileage of a bus will be 80,000 km). The winner will ensure the development of service activities and remediation of bus malfunctions that fall under the warranty rules in an authorized service center</p>	<p>COMPLY – BMC ensures at its own expense throughout the warranty period, the service of the bus according to the BMC's regulations: exchange of lubricants, filters, belts, service of air conditioners, other necessary parts and consumables (the estimated average annual mileage of a bus will be 80,000 km). BMC ensures the development of service activities and remediation of bus malfunctions that fall under the warranty rules in its authorized service center in Chisinau municipality. BMC ensures on its own account a sufficient stock of parts and</p>

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		in Chisinau municipality. The winner will ensure on its own account a sufficient stock of parts and materials, including consumables necessary for the repair of malfunctions.	materials, including consumables necessary for the repair of malfunctions.
3.14	Warranty period	Minimum 48 months for all bus aggregates, mechanisms and components. Minimum 5 years for the body's anti-corrosion warranty.	COMPLY – 49 months for all bus aggregates, mechanisms and components. 5 years for the body's anti-corrosion warranty.

In the Capacity of
Group Director of Commercial Vehicles Sales and After Sales Services


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