



**TITLE OF THE TENDER: "PROCUREMENT OF ROLLING STOCK
FOR THE THESSALONIKI METRO AND
ITS EXTENSION TO KALAMARIA"**

RFP-406/21, A.Σ. 134864

FINANCIAL OFFER

 <p>ΑΤΤΙΚΟ ΜΕΤΡΟ Α.Ε.</p>	<p>“PROCUREMENT OF ROLLING STOCK FOR THE THESSALONIKI METRO AND ITS EXTENSION TO KALAMARIA”</p> <p>FINANCIAL OFFER FORM</p>	<p>RFP-406/21 Α.Σ. 134864</p>
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 We the undersigned -----

acting as legal representatives of the following Companies:-----

A. STATE:

1. That our Company/Companies, in view of compiling their Financial Offer for the Project entitled **“Procurement of Rolling Stock for the Thessaloniki Metro and its Extension to Kalamaria”** carefully examined and took into consideration:
 - 1.1 The present Financial Offer Document, which includes this Statement
 - 1.2 The Invitation to Tender and the Clarifications Document
 - 1.3 The Conditions of Contract
 - 1.4 The Document entitled “Performance Specification”, along with its appendices.
 - 1.5 The information data.
2. That our Companies recognise that the Overall Lump Sum Price of our Offer includes the preparation of the Design to a degree of completeness, so as to have an unobstructed and perfect – in terms of quality – manufacturing and operation of the 15 trains.
3. That our Companies have drafted their Financial Offer in full compliance with ATTIKO METRO S.A.’s Technical Requirements, especially with the Document entitled “Performance Specification”.
4. That our Companies have drafted their Financial Offer, taking also into account the cost for any eventual improvements in relation to ATTIKO METRO S.A.’s Specifications and the proposed solutions expressed in our Technical Offer, and that we commit ourselves to implement these improvements to the benefit of ATTIKO METRO S.A. during the design, manufacturing and supply of the trains, following their approval.
5. That our Companies were informed and included in the Overall Lump Sum Price every cost for the timely completion of the procurement and the adherence to all deadlines, as they are determined in Article 8 of the document entitled “Conditions of Contract”.
6. That our Companies recognize unreservedly the validity of the terms of all Contractual Documents, in the order of precedence mentioned in the Conditions of Contract (Article 4).

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7. That in the offered Overall Lump Sum Price the following are included in a converted form:

- a) All the costs required for full, workmanlike and timely performance of the works of the supply in accordance with the terms set out in the Contractual Documents, as well as those described therein as the Contractor's special obligations and actions.
- b) Generally, all costs, even if it is not explicitly named, but are necessary for the full and workmanlike performance of the supply, according to the conditions of the Contractual Documents, the Contractor not being entitled to any other additional payment or compensation for the complete execution of the Scope of the Contract.

Namely **(as an example but not limited to this)** the offered Lump Sum Price comprises:

7.1 Expenses related to the design, manufacturing, supply, testing and commissioning of the trains, their materials, and their equipment, as well as any kind of relevant charges arising from taxes, duties and fees, contributions, withholdings, special taxes etc., save the Value Added Tax (VAT), which is borne by ATTIKO METRO S.A. It is explicitly determined that the Lump Sum Price of the Financial Offer includes the cost related to copyrights, patent rights, the cost related to software rights and source code escrow, the cost for any required permits, expenses related to health and safety, contribution and rights for equipment, materials and resource supplies of the supplier and, in case of domestic items, the duty stamp, where applicable, and -in general- all the taxes, duties, fees and deductions, any other lawful charges in force during the performance of the supply. The above costs and charges do not include VAT, which is borne by ATTIKO METRO S.A..

It is made clear that, if after the day of the conduct of the Tender, new taxes, duties, deductions, etc., concerning directly the supply, come into force or if the current ones are increased, the respective amounts shall be borne by the Contractor, or shall be to the benefit of the Contractor.

7.2 The costs for salaries, wages, overtime, work in more shifts or on bank holidays, according to the current provisions of social security (EFKA, Insurance Companies, other local or international Social Security Organizations etc. depending on the requirements of each case), Christmas and Easter bonuses, annual leave benefit etc., relating to any kind of scientific personnel or personnel engaged in the contract management, specialized or non specialized personnel, offices, machinery, workshops etc., local or foreign personnel, working in the train manufacturing area, and their equipment, as well as in the test site, and the commissioning of the subject vehicles.

7.3 The costs for any kind of insurances required for the supply of the trains from the date of the Contract signing until the date of their final acceptance.

7.4 The costs for making available the required materials and equipment required for the flawless performance of the Supply according to the terms of the Contract, including the cost for their rental, storage, safekeeping and insurance.

 <p>ATTIKO METPO A.E.</p>	<p>“PROCUREMENT OF ROLLING STOCK FOR THE THESSALONIKI METRO AND ITS EXTENSION TO KALAMARIA”</p> <p>FINANCIAL OFFER FORM</p>	<p>RFP-406/21 A.Σ. 134864</p>
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- 7.5 The costs for importing the tramway trains and the equipment in the name of the Contractor or in the name of AM and all relevant expenses for its delivery at ATTIKO METRO S.A.’s installations in Thessaloniki.
- 7.6 All costs, in general, referred to in the Conditions of Contract and the remaining Contractual Documents as costs borne by the Contractor.
- 7.7 The costs for the procurement of all capital spare parts, tools, diagnostic test equipment and the equipment necessary for transferring the tramway trains, as well as the cost of the three (3) - year Warranty of the Supply, including the cost of the main and consumable spare parts of the Warranty period, for the test and commissioning of the trains, the Operation Company / Agency personnel and ATTIKO METRO S.A.’s training; the costs for the compilation of the documentation, Operation and Maintenance Manuals and of the “AS-BUILT” drawings, as these are described in the contractual documents.
- 7.8 Any expenses related to laboratory tests and other testing, in accordance with the contractual terms.
- 7.9 Any expenses related to the traveling and accommodation of ATTIKO METRO S.A.’s inspectors to the place of the trains’ manufacturing during the execution of the Contract.
- 7.10 The offered Overall Lump Sum Price also includes any other cost, even if not explicitly mentioned, nevertheless necessary for the full and workmanlike completion of the scope of the supply.
- 7.11 The offered Overall Lump Sum Price includes the Contractor’s profit and overhead.
8. That our Company/Companies prepared their Financial Offer based on the content of the above paragraphs.



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B. CONTRACTOR'S TABLE OF OFFER			
No.	DESCRIPTION	EXPENDITURE IN NUMBERS	EXPENDITURE IN FULL LETTERS
LSP1	Procurement (design, manufacturing/installation of equipment, testing and commissioning) of fifteen (15) Metro trains, in line with the terms of all contract documents. (*)		
LSP2	Procurement of Trains' Main Spare Parts, as included in detail in the "Table of Spare Parts and Equipment Cost".(**)		
LSP	OVERALL LUMP SUM PRICE (LSP1 + LSP2)		

(*) The product of the Metro Train Unit Price (Table C) by the overall number of trains (15) is transferred to the Contractor's Table of Offer.

(**) The Overall Cost of the "Table of Spare Parts and Equipment" (Table D) is transferred to the Contractor's Table of Offer.

C. METRO TRAIN UNIT PRICE		
DESCRIPTION	EXPENDITURE IN NUMBERS	EXPENDITURE IN FULL LETTERS
Procurement (design, manufacturing/installation of equipment, testing and commissioning) of one (1) Metro train, in line with the terms of all contract documents.		



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D. TABLE OF SPARE PARTS AND EQUIPMENT COST

No.	Spare Part Description	Quantity	Unit Price	Total
	Train Body			
1	Glass Reinforced Polyester (GRP) front end. (If used).	2		
2	Gangway assembly, complete.	2 train sets		
3	Windshield assembly, including seals.	6		
4	Windshield cleaning assembly, complete.	12		
5	Windshield wipers	20		
6	Headlight assembly, complete, ready to install on train.	20 per type		
7	Taillight assembly, complete, ready to install on train.	20 per type		
8	Pneumatic horn.	12		
9	Electric horn.	12		
10	Exterior signs.	2 train sets		
	Bogies			
11	Motor bogie assembly, complete, ready for installation under train and immediate operation.	4		
12	Trailer bogie assembly, complete, ready for installation under train and immediate operation.	2		
13	Motor bogie axle with wheel set with gear.	8		
14	Trailer bogie axle with wheel set.	4		
15	Axle box.	8		
16	Primary spring assembly, complete, ready for installation on train.	32		
17	Secondary spring assembly, complete, ready to install on train.	6		
18	Leveling valve assembly, complete with linkage.	10		
19	Primary damper. (If used).	4 train sets		
20	Secondary vertical damper. (If used).	4 train sets		
21	Secondary lateral damper.	4 train sets		
22	Set of bogie elastomeric components.	10 bogie sets		
	Couplers and Draft gear			
23	Automatic coupler assembly.	2 per type		
24	Semi-permanent coupler assembly (if foreseen).	4 per type		
25	Draft gear assembly.	6 per type		
	Train Interior			
26	Passenger seat assembly.	1 train set		



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27	Passenger seat insert set. (If used).	2 train sets		
28	Vertical stanchion assembly, complete with all installation hardware.	1 train set		
29	Interior grab rail assembly, complete with all installation hardware.	1 train set		
30	Passenger handhold.	1 train set		
31	Interior cladding panels, trim strips and mounting equipment.	1 train set		
32	Rubber floor covering.	1 train set		
33	Lighting fixture assembly.	2 train sets		
34	Spare plaques for lighting fixtures, integrating LEDs, their entire guiding circuit, ready to install, as well as their connection cables.	3 train sets		
35	Operator’s console pushbuttons and switches.	40 per type		
36	Driving / Braking Master controller assembly.	6		
37	Set of Driving / Braking master controller switches.	6 per type		
38	Passenger compartment window assembly, complete, including seals and frames.	1 train set		
39	Interior signs.	2 train sets		
40	Operator’s Desk	1		
	Doors and Door Controls			
41	Passenger side entrance door assembly (2 leaves, left and right hand-side), complete, including weather stripping and glazing, ready to install on car.	8 left hand-side and 8 right hand-side sets		
42	Passenger side entrance door operator and controls assembly (Door Control Unit, door glazing, threshold, etc.) complete, ready to install on train.	3 train sets		
43	Emergency door handle assembly	2 train sets		
44	Door control units.	30		
45	Door motor units.	40		
46	Door cables.	30 per type		
47	Door sealing rubbers.	30 per type		
48	Door indicator light assembly.	30 per type		
49	Key Locks of staff doors	12		
50	Fixed step	2 train sets		
	Air Conditioning Equipment			
51	Roof-mounted air conditioning unit, complete, ready for installation on the train and immediate operation.	1 train set		
52	Set of air conditioning controls, complete.	6		
53	Set of air conditioning system printed circuit boards.	6		



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54	Air conditioning system refrigerant compressor assembly, including electric motor.	2		
55	Air conditioning system evaporator blower assembly, complete with electric motor.	6		
56	Air conditioning system condenser coil assembly.	6		
57	Air conditioning system evaporator coil assembly.	6		
58	Heat resistors	6		
59	Air filters	2 train sets		
60	Contactors	2 train sets		
61	Micro-automatic switches	2 train sets		
62	Terminal blocks	2 train sets		
63	Capacitors, coils and resistances	2 train sets		
64	Electrical connectors, along with their cables, connected to one another (connectors with their cables connecting the electrical / electronic boxes, as well as connectors with their cables connecting equipment within the boxes shall be provided)	10 per type		
	Braking System			
65	Brake Control Unit (BCU) assembly.	8		
66	Set of BCU printed circuit boards.	6		
67	Electronic brake control equipment.	6		
68	Brake disc assembly.	6		
69	Brake actuator assembly, complete.	6		
70	Brake pad.	480 MB + 160 TB		
71	Brake actuator flexible hose.	12		
72	Wheel flange solid lubricant stick	4000		
73	Speed sensors	3 train sets		
	Pneumatic Equipment			
74	Air reservoirs.	2 per type		
75	Set of air control equipment (valves, cut-out cocks, strainers, test points, pressure switches, etc.)	1 train set		
76	Air compressor assembly, complete with motor, ready to install on train.	10		
77	Air filters	2 train sets		
78	Oil filters	2 train sets		
	Propulsion System			
79	Power conversion equipment assembly, complete, ready to install in train.	2		
80	Set (assembly) of propulsion inverter power electronics modules.	6		



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81	IGBT items.	10		
82	Starting units.	10		
83	Diodes.	10 per type		
84	Power sensors (transducers).	20 per type		
85	Voltage sensors (transducers).	20 per type		
86	Resistances (charging, discharging, etc.).	10 per type		
87	Traction control unit, complete, equipped with all electronic cards, ready to install in train.	2		
88	Set of traction control unit printed circuit boards.	10 per type		
89	Power conversion equipment power conditioning equipment, complete. (E.g., filter reactors, filter capacitors, etc.).	2 train sets		
90	Capacitors (not those of the major line filters).	10 per type		
91	Coils (not those of the major line filters).	10 per type		
92	Varistors, resistances.	10 per type		
93	Contacts (charging, power, line, auxiliary, etc.).	3 train sets		
94	Fixed and movable contact kits.	20 per type		
95	Contact coils.	10 per type		
96	Electrical connectors, along with their cables, connected to one another (connectors with their cables connecting the electrical / electronic boxes, as well as connectors with their cables connecting equipment within the boxes shall be provided, e.g. from the starting or control unit up to IGBTs).	10 per type		
97	Power feeding units.	10		
98	Temperature sensors.	3 train sets		
99	Traction motor.	10		
100	Set of speed sensors.	3 train sets		
101	Fuses.	20 per type		
102	Braking resistor.	2		
103	750V dc high speed circuit breaker, complete.	5		
104	Set for overhaul of the 750V dc high speed circuit breaker.	10		
105	Current collector assembly, complete, ready to install on train.	2 train sets		
106	Current collector shoe.	2 train sets		
107	Manual short circuiting device.	4		



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Auxiliary Electrical Supply System				
108	Auxiliary power supply equipment assembly, complete.	3		
109	Set of auxiliary power supply equipment printed circuit boards.	10		
110	Set of auxiliary power supply equipment power electronics modules.	10		
111	IGBT items.	10		
112	Starting units.	10		
113	Diodes.	10 per type		
114	Power sensors (transducers).	20 per type		
115	Voltage sensors (transducers).	20 per type		
116	Resistances (charging, discharging, etc.).	10 per type		
117	Capacitors (not those of the major line filters).	10 per type		
118	Coils (not those of the major line filters).	10 per type		
119	Varistors, resistances.	10 per type		
120	Contacts (charging, power, line, auxiliary, etc.).	3 train sets		
121	Fixed and movable contact kits.	20 per type		
122	Contact coils.	10 per type		
123	Electrical connectors, along with their cables, connected to one another (connectors with their cables connecting the electrical / electronic boxes, as well as connectors with their cables connecting equipment within the boxes shall be provided, e.g. from the starting or control unit up to IGBTs).	10 per type		
124	Fuses	20 per type		
125	Battery Control Assembly	2 train sets		
126	Temperature sensor	3 train sets		
127	Auxiliary power supply equipment power conditioning equipment, complete (E.g., filter reactors, filter capacitors, etc).	2 train sets		
128	Battery box, complete, less batteries.	2		
129	Battery cells.	2 train sets		
Telecommunications System				



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130	Public Address equipment, complete.	2 train sets		
131	Train radio equipment, complete.	2 train sets		
	Passenger Information System			
132	Passenger Information System equipment, complete.	3 train sets		
133	Electronic System route map.	5		
134	Internal electronic information display.	5		
135	External electronic destination display.	5		
136	Device for the communication between Driver/OCC and passengers	2 train sets		
137	Emergency Device	2 train sets		
	Security System (CCTV)			
138	Security System equipment, complete.	3 train sets		
139	Miscellaneous Equipment			
140	Set of Train Control and Management System equipment (including displays, control units, I/O units, any ETHERNET switches, gateways, electrical connectors, network switches, etc.) and radio communication system with on-ground working stations.	3 train sets		
141	Event recorder.	3		
142	Set of Train Control and Management System printed circuit boards.	6 train sets		
143	Relays, along with their auxiliary contacts and bases.	40 per type		
144	Automatic Circuit breakers.	30 per type		
145	Timers.	30 per type		
146	Special mechanical fasteners.	9 per type		
147	Oil.	3 years of progressing supply, on the basis of expiry date		
148	Grease.	3 years of progressing supply, on the basis of expiry date		
149	Sealants.	3 train sets		
150	Pushbuttons.	40 per type		
151	Switches.	40 per type		
152	Electrical connectors of all types with glands.	10 per type		
153	Electrical connectors assembly from one train to another, along with their cables fully connected.	4 per type		



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154	DC-DC inverters and power feeding devices (except for those referred to in the traction system).	10 per type		
155	Terminal blocks of all types.	4 train sets		
156	Cables of all types, i.e., power, high – medium – low voltage, network, telecommunications, etc.	50 meters per type		
157	Glands.	40 per type		
			Total Cost	