

LAUNCH Public Tender for the tender for the use concession for the Use of Roads 2023

Paola Tapia Salas CEO DTPM January 2024

Context of the Public Transport System



36 Municipalities 7,5 MM Inhabitants

396 Bus Routes

9 Bus Operators 6.700 12.000 Buses Bus Stop

149 Km Subway

Kms Suburban Rail

23





Where will the tender be implemented?







Guiding principles of the concession contract



Coordinating role of the System	Quality of Services	Active involvement of the Dealer	Flexibility and Integration
System Interrelationship	Collaboration and communication	Continuity of System services	Responsible operation of the company

Guiding principles of the concession contract







Regulatory framework tendering



Act 20.378

"Creates a national subsidy for paid public passenger transport"

- Permanente source of funding.
- The amount of the subsudy is transferred fortnightly as reported and projected by the Ministry.
- \circ User fees are set by a panel of experts.

Act 18.059

"Assigns the Ministry of Transport and Telecommunications the character of national traffic governing body and assigns it powers". MTT is the national regulatory body responsible for proposing traffic and transport policies.

Act 18.696

"Amends Article 6 of Law No. 18.502, authorises the importation of vehicles and establishes rules on passenger transport".

- Ministry of Transport intervenes and regulates public transport with wide-ranging powers
- Creates assets related to the concession.

Concession Contracts



Anexo N°16 of the bases, regulates its validity, the principles that inspire it, the rights and obligations of the Concessionaire, the economic conditions of contracting, among others.



may be reduced to 7 years or extended to 14 years

Review body	Review result	Concession period
72° month	Non-compliance with requirem	nents 7 years
12 MONUL	Compliance with requiremer	nts 10 years
108° month	Non-compliance with requirem	nents 10 years
TOO IIIOIIIII	Compliance with requiremer	nts Up to 14 years

Fleet Provision Contract



CONCEPT AND SCOPE

AVAILABILITY AND FINANCING

PAYMENT

Contracts submitted by the Bus Companies, reviewed and approved by the Ministry, on assets related to the concession. The concessionaires' obligations regarding the provision of buses ensure their availability and permanence in the system by financially supporting the providers.

120 equal and successive monthly instalments for the use of the buses.

AFFECTED PROPERTY TO THE CONCESSION

They are immediately transferred to new concessionaires or road operators, thus ensuring the payment of the instalment to the financier of the buses.

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Attributions

Ministry

- 1. Regulate
- 2. Define standard
- 3. Supervision
- 4. Apply discounts and penalties
- 5. Other Powers

Concession contract administrator

- 1. Technical and administrative supervision
- 2. Verify compliance with service levels
- 3. Giving instructions
- 4. Other duties.



RIGHTS OF THE CONCESSIONAIRE



Obligations of the Concessionaire





Concessions in competition 5 Service Units: 14, 15, 16, 17 and 18

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Service Units

Reference maps



Unit 14

18 services ~2,0 MM km monthly

Unit 15

26 services ~2,2 MM km monthly

Unit 16

29 services ~2,3 MM km monthly

Unit 17

21 services ~2,4 MM km monthly



27 services ~2,3 MM km monthly



PO Benchmark updated to PO September 2023

Α

В

BPAL

С **Total**

18 Services

21 Prepaid Bus Stop (16 new)

101	320c	419	481
106	401	421	D13
108	405	423	E17
126	413c	431c	
320	417e	432N	







PO Benchmark updated to PO September 2023

26 Services

25 Prepaid Bus Stop (17 news)

110	509	E04	J07e
118	513	E08	J07y
129	517	E09	J10
408	517c	E11	J18
505	C25	E14	J18c
505c	E01	J02	
506e	E02	J07	



Distribution KM	
А	56.779
В	1.440.981
BPAL	0
С	697.593
Total	2.195.353

(Mes tipo: 21 Lab – 4 Sáb – 5 Dom)





PO Benchmark updated to PO September 2023

29 Services

16 Prepaid Bus Stop (5 new)

207	225c	323	E10	E20
207c	234	325	E12	F28
207e	290e	503	E13	G28
209	302	E03	E15	J07y
209c	302N	E05	E16	J19
225	322	E07	E18	



Distribution KM		
А	A 186.273	
В	1.506.016	
BPAL	0	
С	598.052	
Total	2.290.341	

(Mes tipo: 21 Lab – 4 Sáb – 5 Dom)



Vital Apoquindo*: Operational terminal shared among units 5/8/11/13/14/16



PO Benchmark updated to PO September 2023

21 Services

23 Prepaid Bus Stop (6 new)

201	210	227	H04
201e	210e	230	H05
204	210v	264N	H09
204N	214	272	
205	224	B41	
205c	226	H02	



Distribution KM		
А	A 121.873	
В	1.169.792	
BPAL	608.217	
С	C 510.646	
Total 2.410.528		

(Mes tipo: 21 Lab – 4 Sáb – 5 Dom)





PO Benchmark updated to PO September 2023

27 Services

40 Prepaid Bus Stop (4 new)

203	208c	244	346N
203c	212	271	G23
203e	216	301	H07
203N	216y	301c	H08
206	219e	306	H12
206c	219ey	321	H13
208	229	345	



Distribution KM		
А	A 40.338	
В	1.353.607	
BPAL	0	
С	925.788	
Total	2.319.733	

(Mes tipo: 21 Lab – 4 Sáb – 5 Dom)





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BIDDING RULES FOR THE USE OF TRACKS Evaluation and Payment Scheme

Diego Cruz Finance Manager DTPM

Esta presentación es sólo referencial. Considerar como versión oficial, las bases de licitación aprobadas mediante Resolución N°24, de 2023, publicada en el sitio web www.dtpm.gob.cl

Evaluation of Bids

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Stages of Evaluation



Opening of Technical Bids and Reserved Number

Admissibility Assessment



Technical Assessment

Opening of the financial bids

Economic Evaluation

Final Evaluation









FINAL EVALUATION



Payment Scheme AND GENERAL TERMS AND CONDITIONS

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Dealer Revenues





Indicator Model





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SPECIFICATIONS Red Metropolite de Movilide Fleet and Technological Systems Speed Da

Alejandro Schmidt Manager of Intelligent Transport Systems DTPM

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Fleet New Buses and Supply Contracts

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Fleet Composition

Fleet Types, Distribution and Payments





Buses ready to operate in Santiago

General conditions of operation



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Standards and Specifications





DS 122/1991





Annex N°5 Tender Documents

Manual of Graphic Standards

Technological Specifications Manual

Electric Buses

About the buses



Minimium Autonomy

Slow charge: Fast charge: **200km** (160 km) **50km** (40km)



Charging Time

Slow charge: Fast charge: 5 hrs (100% SoC)9 minutes (minimum autonomy)



Battery Warranty They must be warranted for at least 10 years or 800,000 km.



LOCAL SUPPORT

Bus provider, or its designate, must have local support and have local support and adequate infrastructure







Lifetime of vehicles

Applicable requirements



Renewable insofar as technical and safety conditions are ensured.

Buses Already in Operation Conditions defined in the respective supply contracts



Delivery time For the entry of buses into the system

<u>9 months</u> from the signing of the concession contract

- The processes of certification, permits and registration of buses should be contemplated
 - Registration in the Registry of Motor Vehicles (Civil Registry and Identification Service)
 - Registration in the National Registry of Public Transport Services
 - Registration in the Register of Affected Goods
 - Vehicle registration permit
 - Technical inspection

Maintenance Certification



- Obligation to contract a third party to carry out the Certification process
- Documentary Audit
- Technical Inspection
- Review of the General Condition Of the Bus

Technological Elements and Systems

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Technological Systems

Main elements





Interior Variable Information Display

- Display installed on each bus for announcement of the next stop, with the possibility to connect to fleet management system
- It must have a platform for content management
 - Content deployed on each bus
 - Communications for transmission/update of new content
 - Testing and validation of contend
 - Monitoring of the level of operability of the displays



Element proximity detection system

- The system shall provide visual and audible alerts to driving personnel in the following situations
 - Head-on collision: Reckless distance
 - Existence of pedestrians or cyclist in side blind spots
- It must have a platform for accessing information on alerts generated.
 - Access remotely and in real time to the data recorded by the system
 - Access historical information on the different variables recorded (5 years).
 - Monitor the operability of each device

Panic Button



- Button close to the steering wheel, hidden from the public but accessible to driving personnel to alert them to risky situations
- Must have a platform for accessing data
 - Real-time transmission of button activation and deactivation
 - Display of alets of last activations (with confirmation of receipt by CMB/COF)
 - Historical data analysis module
 - Visualisation of the level of operation of the panic buttons

Security Cameras



- Camera system to protect the safety of users and driving staff
- Must have a platform for accessing camera footage
 - On-line streaming of buses on request from control centres
 - Communications for image display from COF and CMB
 - Image transmission must be activated at the moment of activation of the panic button

Telemetry Interface CAN-BUS



- System for monitoring the main operating variables of buses with emphasis on those related to electric propulsion
- A platform will have to be set up to access this information
 - Real-time vehicle performance data
 - Access to aggregated variables (consumption, mileage, performance)
 - Storage of historical information
 - Access to alerts and fault visualisation



Thank you

This presentation is only referential. Consider the tender documents approved by Res N°24/2023 of the Ministry of Transport and Communication and available in www.dtpm.gob.cl as the official version.

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