Effective: from 28 April 2023 Applicable: from 28 April 2023

#### **TEXT**

#### 1. 5.5.2.1 Content of the service

The following modification was made:

The Infrastructure Managers GYSEV Zrt provide this service in service places and operation hours defined by Annex 5.5.2.1.

MÁV Zrt does not provide this service.

# 2. 5.5.2.2 Charges

The following modification was made:

Amount to be paid in the case of using the service specified in point 5.5.2.1. Measure unit: HUF/ticket. Amounts to be paid in the case of individual Infrastructure Managers GYSEV Zrt can be found in tables below.

Charging elements of Ticketing and reckoning activity on the network of MÁV Zrt

Ancillary services	Amount to be paid
Ticketing and reckoning activity	447
Unit: HUF/ticket	116

#### **ANNEXES**

### 3. 5.5.2.1 Ticketing and reckoning activity

The following modification was made:

#### MÁV Zrt.

Service place	Code of the service place
<del>Nagyatád</del>	<del>08631</del>
Nagydorog	06684
<del>Szőny</del>	01198

# 4. 5.2.6 Summing-up table of network access charges of MÁV Zrt for the 2022/2023 timetable period (HUF)

The following modification was made:

Summing-up table of network access charges of MÁV Zrt for the 2022/2023 timetable period (HUF)

Services of MÁV Zrt. 2022/2023	Charge	Mark-up	Amount to be paid
Ensuring of train path	1	8	9
Running of trains			
Gross ton proportionate part			
Passenger train, Standard freight train, Locomotive train	0,30	-	0,30
Special freight train- Freight train of Záhony	0,26	-	0,26
Special freight train- Corridor freight train	0,28	0,01	0,29
Train km proportionate part Passenger trains			
track section category I	63	327	390
track section category II	98	243	341
track section category III	93	35	128
Locomotive trains	,,	33	120
track section category I	64	346	410
track section category II	95	310	405
track section category III	105	285	390
Standard freight trains			
track section category I	64	396	460
track section category II	86	341	427
track section category III	145	83	228
Special freight trains - Freight train of Záhony			
track section category I	60	361	421
track section category II	106	282	388
track section category III	104	107	211
Special freight trains - Corridor freight train			
track section category I	55	404	459
track section category II	89	337	426
track section category III			
Use of catenary	47	19	66
Use of stations by passenger trains for stopping			
I. station category	1 479	1 820	3 299
II. station category	1 089	1 679	2 768
III. station category	1 023	897	1 920
IV. station category	826	892	1 718
Use of origin/destination stations by passenger trains			
I. station category	914	1 376	2 290
II. station category	867	959	1 826
III. station category	854	59	913
IV. station category	913	-	913
Use of stations by freight trains	F 050		F 050
I. station category	5 050	-	5 050
II. station category	2 530	-	2 530
III. station category	800 95	- 07	800 192
Storage of vehicles Use of wagon weigh bridges (scales)	2 700	97	2 700
Use of refuelling facilities	2 700	-	2700
Ensuring of shunting staff for passanger trains	8 660		8 660
Ensuring of shunting staff freight and locomotive trains ordered within 8			
days before the scheduled use of the service	5 650	-	5 650
Ensuring of shunting staff freight and locomotive trains ordered more than			
8 days before the scheduled use of the service	4 500	-	4 500
Ensuring of traction unit for passanger trains	40 623		40 623
Ensuring of traction unit for freight and locomotive trains	25 350	-	25 350
Ensuring of fuel for traction	276	-	276
Staff providing train acceptance	4 500		4 500
Staff ensured for weighing	4 500	-	4 500
Exchange of axles	27 960	-	27 960
Use of bogies	49	-	49
Ensuring of traction current			
Transmitted traction current	21,8	-	21,8
System-use	4,3		4,3
Network loss of transmitted traction current	0,6	-	0,6
Energy tax	0,3	-	0,3
Funds under the Act on Electricity	4,4	-	4,4
Ensuring of electric energy used for other than traction purposes			
(preheating, precooling)			
Transmitted electric energy used for other than traction purposes	22,3	-	22,3
System-use	4,7	-	4,7
Network loss of transmitted electric energy used for other than traction	0,3	-	0,3
purposes	· ·		· ·
Energy tax	0,3	-	0,3
Funds under the Act on Electricity	3,9	-	3,9
Ensuring of fuel used for other than traction purposes (preheating,	278	_	278
precooling)			
Ticketing and reckoning activity	116		116

Charge	Mark-up	Amount to be
1	8	9
		-
0,30	-	0,30
0,26	-	0,26
0,28	0,01	0,29
63	327	390
98	243	341
93	35	128
64	346 310	410
95 105	285	405 390
103	263	370
64	396	460
86	341	427
145	83	228
60	361	421
106	282	388
104	107	211
55	404	459
89	337	426
0,	33,	.20
47	19	66
1 479	1 820	3 299
1 089	1 679	2 768
1 023 826	897 892	1 920 1 718
820	072	1 7 10
914	1 376	2 290
867	959	1 826
854	59	913
913	-	913
5 050	-	5 050 2 530
2 530 800	-	800
95	97	192
2 700		2 700
27	-	27
8 660	-	8 660
5 650	-	5 650
4 500	-	4 500
40 623	-	40 623
25 350	-	25 350
276	-	276
4 500	-	4 500
4 500	-	4 500
27 960	-	27 960
49	-	49
21,8	-	21,8
4,3	-	4,3
0,6	-	0,6
0,3	-	0,3
4,4	-	4,4
22,3	-	22,3
4,7	-	4,7
	-	
0,3	-	0,3
0,3	-	0,3
3,9	-	3,9
278	-	278
	-	-

# 5. **5.2-2 Charging Document**

The following modification was made:

### Charging Document of MÁV Zrt.

#### 1. 2.3 Basis of modification of the CD

The following modifications were made:

#### 2.3.1 Modification No. 1 of the CD

Until the date of publication Network Statement 2022/2023, the Infrastructure Manager did not send the notification, about the amount and use of state contribution on 2022/2023 timetable period.

On December 23, 2021, MÁV Zrt. sent to VPE Kft. Letter No 41560/2021 / MAV, which contains the amount and use of state contribution on 2022/23 timetable period. Accordingly, the cost base of the related network access charges could be reduced by HUF 98.540 billion. See section 3.8 for more details.

#### 2.3.2 Modification No. 2 of the CD

On 22 March 2023, MÁV sent a letter to VPE with the registration number 10438/2023/MÁV, informing that it no longer intends to provide the services of ticketing and reckoning activity as the performance of these services is not realised. On this basis, the cost items related to the charging condition of the service have been reclassified to costs not included in the charging condition in accordance with point 2.3.4 of the CM and the service will be deleted from the services provided by MÁV. There was no state contribution related to this service.

#### 2. The following tables have been changed

Table 1: Distribution of costs of MÁV Zrt to direct, direct distributable and indirect cost groups

	thousand HUF	%
Direct costs	111 259 321	46%
Direct costs to be distributed	117 703 394	48%
Indirect costs	14 810 149	6%
Total costs	243 772 864	100%
	thousand HUF	%
Direct costs	111 250 358	46%
Direct costs to be distributed	117 703 299	48%
Indirect costs	14 809 437	6%
Total costs	243 763 094	100%
Ancillary services	thousand HUF	%
Direct costs	8 963	92%
Direct costs to be distributed	95	1%
Indirect costs	712	<b>7</b> %
Total costs	9 770	100%

Table 2: Costs-distribution of MÁV Zrt according to the types of services

	thousand HUF	%
Basic services	130 288 210	53,4%
Supplementary services	83 299 043	34,2%
Additional services	30 175 841	12,4%
Ancillary servises	9 770	0,004%
Total cost	243 772 864	100%
	thousand HUF	%
Basic services	130 288 210	53,4%
Supplementary services	83 299 043	34,2%
Additional services	30 175 841	12,4%
Total cost	243 763 094	100%

#### 3. Section 4.4 has been deleted

### **4.4 Ancillary services**

# Costs taken into account when determining the charge

Table 27: Ancillary services - summing-up of costs

Costs in 2023 (thousand HUF)	Ticketing and reckoning activity
Direct cost	0.042
	8 963
Direct costs to be distributed	95
Indirect cost	712
Total cost	9 770

# Performance indicator relating tot he charge

Table 28: Ancillary services - performance

Performance in 2022	Ticketing and reckoning activity
Ticketing and reckoning activity performance / ticket	84 566

### Determination of the amount to be paid

Table 29: Ancillary services - determination of the amount to be paid

2022/2023. (HUF)	Ticketing and reckoning activity
1. Amount of charge of supply part	116
2. Amount of mark-up	
3. Amount of discount	
4. Amount of state contribution	
Amount to be paid (1 + 2 - 3 - 4)	116

### 4. The following CD annexes have been changed

# Annex 1: All direct costs, direct costs to be distributed and indirect costs of MÁV Zrt for 2023 broken down to services

Services 2022/23	Direct costs (thousand HUF)	Direct costs to be distributed (thousand HUF)	Indirect costs (thousand HUF)	Total (thousand HUF)
Ensuring of train path	905 329	24 008	73 020	1 002 357
Running of trains				
Gross ton proportionate part  Passenger train, standard freight train, locomotive				
train	19 636 507	6 164 841	2 027 268	27 828 616
Special freight train - Freight train of Záhony	1 154 954	58 489	95 343	1 308 786
Special freight train - Corridor freight train	1 206 052	68 375	100 135	1 374 562
Running of trains Train km proportionate part				
Passenger train				
track section category I	6 167 096	31 492 726	2 959 014	40 618 836
track section category II	3 186 296	10 374 337	1 065 488	14 626 122
track section category III  Locomotive train	4 120 367	12 022 203	1 268 357	17 410 927
track section category I	367 032	1 700 988	162 489	2 230 510
track section category II	135 729	462 395	46 996	645 121
track section category III	56 703	154 686	16 609	227 998
Standard freight train				
track section category I	1 966 058	6 335 978	652 309	8 954 345
track section category II	538 272	1 264 945	141 683	1 944 900
track section category III Special freight train - Freight train of Záhony	176 565	853 137	80 906	1 110 607
track section category I	206 391	573 809	61 302	841 502
track section category II	13 276	37 523	3 991	54 790
track section category III	1 158	2 145	260	3 563
Special freight train - Corridor freight train		1		
track section category I	261 446	660 662	72 452	994 560
track section category II track section category III	19 593	56 508	5 979	82 080
Use of catenary	8 282 449	87 904	657 677	9 028 029
Use of stations by passenger trains for stopping	0 202 117	0, 70.1	037 077	, 020 02,
I. station category II. station category	3 502 606 2 375 727	12 297 781 15 879 986	1 241 471 1 434 391	17 041 858 19 690 105
III. station category	414 699	3 338 286	294 880	4 047 865
IV. station category	398 737	5 771 014	484 771	6 654 522
Use of origin/destination stations by passenger trains				
I. station category	47 274	2 147 830	172 474	2 367 579
II. station category	3 310	477 118	37 748	518 177
III. station category	46	17 809	1 403	19 259
IV. station category	276	5 307	439	6 022
Use of stations by freight trains				
I. station category	652 383	1 987 863	207 450	2 847 696
II. station category	12 128	2 305 917	182 134	2 500 179
III. station category	3 226 469 695	549 849 55 746	43 456 41 285	596 532
Storage of vehicles Use of wagon weigh bridges (scales)	469 695 326 356	26 130	41 285 27 696	566 725 380 182
Use of refuelling facilities	1 969 020	317 500	179 657	2 466 177
Ensuring of shunting staff for passenger trains	3 839 307	40 747	304 864	4 184 919
	3 037 307		30.00.	
Ensuring of shunting staff freight and locomotive trains				
within 8 days	1 102 446	11 701	87 541	1 201 688
more than 8 days	3 528 968	37 454	280 222	3 846 644
Ensuring of traction unit for passenger trains  Ensuring of traction unit for freight and locomotive trains	203 772 3 046 954	2 163 32 338	16 181 241 947	222 115 3 321 238
Ensuring of fuel for traction	10 295 864	-	271 747	10 295 864
Train acceptance	27 405	291	2 176	29 872
Staff ensured for weighing	37 915	402	3 011	41 328
Exchange of axles	294 377	3 124	23 375	320 876
Use of bogies Ensuring of traction current	120 752	1 282	9 588	131 622
Transmitted traction current	20 702 526		_	20 702 526
System-use	4 103 216		-	4 103 216
Network loss of transmitted traction current	585 696	-	-	585 696
Energy tax	294 533	-	-	294 533
Funds under the Act on Electricity	4 194 692	-	-	4 194 692
Ensuring of electric energy used for other than traction purposes (preheating, precooling)				
Transmitted traction current	157 874	-	-	157 874
System-use	33 028	-	-	33 028
Network loss of transmitted traction current	2 182	-	-	2 182
Energy tax	2 200 27 405	-	-	2 200 27 405
Funds under the Act on Electricity  Ensuring of fuel used for other than traction purposes		-	-	
(preheating, precooling)	72 490	-	-	72 490
Ticketing and reckoning activity	<del>8 963</del>	95	<del></del>	9 770
Total	<del></del>	<del>117 703 394</del>	14 810 149	243 772 864
Total	111 250 358	117 703 299	14 809 437	243 763 094

# Annex 3: Performance indicators of MÁV Zrt for 2020 and 2023

Track	Services			2020	2022/2023	Measure unit	
Total	Facility of their with						
Proportionate part   Special Freight trains   Freight t	Ensuring of train path		Total				gross ton km
Part   Special freight trains   Freight trains   Freight trains   Total   1,000   225 687   111 142 870   111 14					35 263 892 005	38 553 023 866	gross ton km
Total		part	Special freight trains	s - Freight trains	2 180 112 851	2 173 465 727	gross ton km
Passenger trains			Special freight trains	- Corridor freight	2 208 157 106	2 279 493 071	gross ton km
Passenger trains			Total		100 225 687	111 142 870	train km
Passenger trains				Total	79 122 339	89 197 825	train km
Running of trains  Train km proportionate part  III.   14134 dols   18 951 536   train km   16 1   18			Passanger trains	I.	50 030 860	55 317 129	train km
Running of trains   Runn			rassenger trains	II.	14 957 434	14 929 161	train km
Running of trains				III.	14 134 045	18 951 536	train km
Running of trains				Total	3 953 134	3 906 823	train km
Running of trains			Locomotivo trains	l.	3 046 416	3 009 693	train km
Train km proportionate part	Pupping of trains		Locomotive trains	II.	701 350	677 323	train km
Proportionate part   Standard freight trains   I.   11511 271   12 111 113   train km   III.   540 500   718 649   train km   III.   540 500   540 500 500   140 500 500 500   150 500 500 500 500 500 500 500 500 500	Ruilling of trains			III.	205 367	219 807	train km
Part   Trains   II.   2 217 263   2 279 090   train km   III.   3 40 560   718 649   train km   III.   3 40 560   718 649   train km   III.   3 40 560   718 649   train km   III.   1 209 611   1 2		Train km		Total	14 269 094	15 108 853	train km
Special freight trains   Total   1.267 962   1.264 906   train km   1.267 962   train km   1.267		proportionate	Standard freight	I.	11 511 271	12 111 113	train km
Special freight trains of Záhony   Freight trains of Záhony   Samuel Harman of Záhony   Samuel		part	trains	II.	2 217 263	2 279 090	train km
Presight trains of Takhony				III.	540 560	718 649	train km
Freight trains of Záhony			Coosial froight trains	Total	1 267 962	1 264 096	train km
Total   Station category   Total   Station category   Station catego				I.	1 209 611	1 209 611	train km
March   Marc			-	II.	54 801	50 931	train km
Special freight trains   Corridor freight trains   I.   1532 281   1574 003   train km			Zanony	III.	3 550	3 554	train km
Corridor freight trains			Coosial froight trains	Total	1 613 159	1 665 273	train km
trains			1.	I.	1 532 281	1 574 003	train km
III.   -			-	II.	80 878	91 270	train km
Total			trains	III.	-	-	train km
Station category   Station cat	Use of catenary				75 034 318	80 080 140	electric train km
Station category					12 541 841	13 793 583	use of stations
Station category	Use of stations by passenger trains for						use of stations
Station category IV	l '' -	Station category					
Total   1 306 266   934 665   use of stations   Station category   1 1029 365   757 615   use of stations   Station category   1 1029 365   757 615   use of stations   Station category   1 1029 365   757 615   use of stations   Station category   1 1029 365   757 615   use of stations   Station category   1 102 33 891   168 296   use of stations   Station category   1 16 616   1 872   use of stations   Station category   1 105 979   112 627   use of stations   Station category   1 105 979   112 627   use of stations   Station category   1 105 979   112 627   use of stations   Station category   1 105 979   112 627   use of stations   Station category   1 105 979   112 627   use of stations   Station category   1 105 979   112 627   use of stations   Station category   1 105 979   112 627   use of stations   Station category   1 105 979   112 627   use of stations   Station category   1 105 979   112 627   use of stations   Station category   1 105 979   112 627   use of stations   Station category   1 105 979   112 627   use of stations   Station category   1 105 979   112 627   use of stations   1 107 361   130 648   use of stations   1 107 361	3						
Station category   Station stations by passenger trains   Station category   Station ca			· •				
Station category   1   233 891   168 296   use of stations   26 394   6 282   use of stations   26 394   6 282   use of stations   26 394   6 282   use of stations   27 38 909   274 428   use of stations   28 3909   use of stations							use of stations
Station category   N							use of stations
Total	passenger trains				26 394	6 282	use of stations
Station category   Stations by freight trains			V				use of stations
Station category   I			1				
Station category III   25 569   31 153   use of stations	Use of stations by freight trains						
torage of vehicles torage of vehicles to wagon weigh bridges (scales) to end weigh of traction unit for passenger trains to end weigh for traction unit for passenger trains to end a 4002 to end weigh of traction unit for freight and locomotive trains to end a 4002 to end weigh of traction unit for freight and locomotive trains to end a 4002 to end weigh of traction unit for freight and locomotive trains to end a 4002 to end weigh of traction unit for freight and locomotive trains to end a 4002 to end weigh of traction unit for freight and locomotive trains to end a 4002 to end weigh of traction unit for freight and locomotive trains to end a 4002 to end weigh of traction unit for freight and locomotive trains to end a 4002 to end weigh of traction unit for freight and locomotive trains to end a 4002 to en							use of stations
See of wagon weigh bridges (scales)   28 222   27 651   vehicle(pcs)	Storage of vehicles						
Total   263 260   231 413   person/hour   263 260   231 413   person/hour   263 260	Use of wagon weigh bridges (scales)						
Total   263 260   231 413   person/hour   within 8 days   56 969   69 815   person/hour   more than 8 days   206 291   161 598   person/hour   nsuring of traction unit for passenger trains   4 002   3 842   vehicle/hour   nsuring of traction unit for freight and locomotive trains   59 841   57 272   vehicle/hour   nsuring of fuel for traction   35 322 720   37 331 153   litre   rain acceptance   2 826   2 864   person/hour   person/hour   2 826   2 864   person/hour   2 826   3 865   4 153   vehicle(pcs)   2 826   3 865   4 153   vehicle(pcs)   3 865	Use of refuelling facilities				35 589 497	37 331 153	litre
within 8 days 56 969 69 815 person/hour person from the start freight and promotive trains within 8 days 206 291 161 598 person/hour souring of traction unit for passenger trains 4 002 3 842 vehicle/hour nsuring of traction unit for freight and locomotive trains 59 841 57 272 vehicle/hour nsuring of fuel for traction 35 322 720 37 331 153 litre are an acceptance 2 826 2 864 person/hour taff ensured for weighing 4 437 6 746 vehicle(pcs) xchange of axles 3 965 4 153 vehicle(pcs) xchange of axles 989 720 896 422 hour/bogies nsuring of traction current 862 695 377 948 577 021 kWh nsuring of fuel used for other than traction purposes (preheating, precooling) 8 146 750 7 084 920 kWh nsuring of fuel used for other than traction purposes (preheating, precooling) 266 776 261 000 litre	Ensuring of shunting staff for passenge	er trains				245 623	person/hour
within 8 days   56 969   69 815   person/hour   more than 8 days   206 291   161 598   person/hour   suring of traction unit for passenger trains   4 002   3 842   vehicle/hour   nsuring of traction unit for freight and locomotive trains   59 841   57 272   vehicle/hour   nsuring of fuel for traction   35 322 720   37 331 153   litre   rain acceptance   2 826   2 864   person/hour   taff ensured for weighing   4 437   6 746   vehicle(pcs)   see of bogies   3 965   4 153   vehicle(pcs)   see of bogies   989 720   896 422   hour/bogies   nsuring of traction current   862 695 377   948 577 021   kWh   nsuring of fuel used for other than traction purposes (preheating, precooling)   266 776   261 000   litre   litre   10 000   lit	Ensuring of shunting staff freight and						
more than 8 days 206 291 161 598 person/hour suring of traction unit for passenger trains 4 002 3 842 vehicle/hour nsuring of traction unit for freight and locomotive trains 59 841 57 272 vehicle/hour nsuring of fuel for traction 35 322 720 37 331 153 litre rain acceptance 2 826 2 864 person/hour taff ensured for weighing 4 437 6 746 vehicle(pcs) xchange of axles 3 965 4 153 vehicle(pcs) se of bogies 989 720 896 422 hour/bogies nsuring of traction current 862 695 377 948 577 021 kWh nsuring of electric energy used for other than traction purposes (preheating, precooling) 8 146 750 7 084 920 kWh nsuring of fuel used for other than traction purposes (preheating, precooling) 266 776 261 000 litre	locomotive trains						•
nsuring of traction unit for freight and locomotive trains  159 841							
nsuring of fuel for traction     35 322 720     37 331 153     litre       rain acceptance     2 826     2 864     person/hour       taff ensured for weighing     4 437     6 746     vehicle(pcs)       xchange of axles     3 965     4 153     vehicle(pcs)       se of bogies     989 720     896 422     hour/bogies       nsuring of traction current     862 695 377     948 577 021     kWh       nsuring of electric energy used for other than traction purposes (preheating, precooling)     8 146 750     7 084 920     kWh       nsuring of fuel used for other than traction purposes (preheating, precooling)     266 776     261 000     litre							
rain acceptance 2 826 2 864 person/hour taff ensured for weighing 4 437 6 746 vehicle(pcs) xchange of axles 3 965 4 153 vehicle(pcs) 898 720 896 422 hour/bogies nsuring of traction current 862 695 377 948 577 021 kWh nsuring of electric energy used for other than traction purposes (preheating, precooling) 8 146 750 7 084 920 kWh nsuring of fuel used for other than traction purposes (preheating, precooling) 266 776 261 000 litre							litre
taff ensured for weighing 4 437 6 746 vehicle(pcs) xchange of axles 3 965 4 153 vehicle(pcs) se of bogies 989 720 896 422 hour/bogies nsuring of traction current 862 695 377 948 577 021 kWh nsuring of electric energy used for other than traction purposes (preheating, precooling) 8 146 750 7 084 920 kWh nsuring of fuel used for other than traction purposes (preheating, precooling) 266 776 261 000 litre	•					person/hour	
xchange of axles 3 965 4 153 vehicle(pcs) se of bogies 989 720 896 422 hour/bogies nsuring of traction current 862 695 377 948 577 021 kWh nsuring of electric energy used for other than traction purposes (preheating, precooling) 8 146 750 7 084 920 kWh nsuring of fuel used for other than traction purposes (preheating, precooling) 266 776 261 000 litre	•						vehicle(pcs)
se of bogies 989 720 896 422 hour/bogies nsuring of traction current 862 695 377 948 577 021 kWh nsuring of electric energy used for other than traction purposes (preheating, precooling) 8 146 750 7 084 920 kWh nsuring of fuel used for other than traction purposes (preheating, precooling) 266 776 261 000 litre	Exchange of axles						vehicle(pcs)
nsuring of traction current 862 695 377 948 577 021 kWh nsuring of electric energy used for other than traction purposes (preheating, precooling) 8 146 750 7 084 920 kWh nsuring of fuel used for other than traction purposes (preheating, precooling) 266 776 261 000 litre							hour/bogies
nsuring of electric energy used for other than traction purposes (preheating, precooling) 8 146 750 7 084 920 kWh nsuring of fuel used for other than traction purposes (preheating, precooling) 266 776 261 000 litre	Ensuring of traction current						kWh
nsuring of fuel used for other than traction purposes (preheating, precooling) 266 776 261 000 litre	Ensuring of electric energy used for other than traction purposes (preheating, precooling)					kWh	
				٥,			litre
	Ticketing and reckoning activity					— <del>84 5</del> 66	<del>ticket</del>

# Annex 5/a: Summing-up table of network access charges of MÁV Zrt for the 2022/2023 timetable period (HUF)

Services - MÁV Zrt. 2022/2023	Charge of	Charge of supply	Mark-up	Discount	State	Amount to be
Ensuring of train path	access part	part -	8	-	contribution 0	paid 9
Running of trains	-			-	0	9
Gross ton proportionate part						
Passenger train, Standard freight train, Locomotive	0,36	_	0,36	-	0,42	0,30
train		_				
Special freight train - Freight train of Záhony	0,27	-	0,33	-	0,34	0,26
Special freight train - Corridor freight train	0,28	-	0,32	-	0,31	0,29
Train km proportionate part Passenger trains						
track section category I	63	_	671	_	344	390
track section category II	98	_	882	-	639	341
track section category III	93	-	826	-	791	128
Locomotive trains						
track section category I	64	-	677	-	331	410
track section category II	95	-	857	-	547	405
track section category III	105	-	932	-	647	390
Standard freight trains					070	
track section category I	64	-	675	-	279	460
track section category II	86 145	-	767 1 400		426 1 317	427 228
track section category III  Special freight trains - Freight train of Záhony	143	-	1 400	-	1 317	228
track section category I	60	_	636	_	275	421
track section category II	106	_	970	_	688	388
track section category III	104	_	898	-	791	211
Special freight trains - Corridor freight train						
track section category I	55	-	577	-	173	459
track section category II	89	-	810	-	473	426
track section category III	-	-	-	-	-	-
Use of catenary	47	-	66	-	47	66
Use of stations by passenger trains for stopping						
I. station category	612	867	2 267	-	447	3 299
II. station category	614 609	475 414	2 263	-	584	2 768
III. station category	609	217	2 255 2 291	-	1 358 1 399	1 920 1 718
IV. station category Use of origin/destination stations by passenger trains	007	217	2 271	-	1 377	1710
I. station category	762	152	2 211	_	835	2 290
II. station category	762	105	2 212	-	1 253	1 826
III. station category	762	92	2 212	-	2 153	913
IV. station category	762	244	2 211	-	2 304	913
Use of stations by freight trains						
I. station category	6 761	2 257	16 266	-	20 234	5 050
II. station category	5 892	511	12 734	-	16 607	2 530
III. station category	5 933	460	12 755	-	18 348	800
Storage of vehicles	94	1 12.750	97	-	0	192
Use of wagon weigh bridges (scales)	254 3	12 758 57	737 6	-	11 049	2 700
Use of refuelling facilities Ensuring of shunting staff for passenger trains	-	17 038	-	-	39 8 378	8 660
	-	17 036	-	-	0 370	8 000
Ensuring of shunting staff freight and locomotive trains ordered within 8 days before the scheduled use of the service	-	17 212	-	-	11 562	5 650
Ensuring of shunting staff freight and locomotive trains						
ordered more than 8 days before the scheduled use of the	-	23 804	-	-	19 304	4 500
service					47.00	10 10-
Ensuring of traction unit for passenger trains	-	57 812 57 991	-	-	17 189 32 641	40 623 25 350
Ensuring of traction unit for freight and locomotive trains Ensuring of fuel for traction		276			32 641	25 350
Train acceptance	-	10 431	-	-	5 931	4 500
Staff ensured for weighing		6 126	-		1 626	4 500
Exchange of axles		77 260	-		49 300	27 960
Use of bogies	-	147	-	-	98	49
Ensuring of traction current						
Transmitted traction current	-	21,8	-	-	-	21,8
System-use	-	4,3	-	-	-	4,3
Network loss of transmitted traction current	-	0,6	-	-	-	0,6
Energy tax	-	0,3	-	-	-	0,3
Funds under the Act on Electricity Ensuring of electric energy used for other than traction	-	4,4	-	-	-	4,4
purposes (preheating, precooling)  Transmitted electric energy used for other than traction						
purposes	-	22,3		-		22,3
System-use	-	4,7	•	-	-	4,7
Network loss of transmitted electric energy used for other	-	0,3	-	-	-	0,3
than traction purposes Energy tax	_	0,3		_	-	0,3
Funds under the Act on Electricity		3,9	-	-	-	3,9
Ensuring of fuel used for other than traction purposes		,				· ·
(preheating, precooling)		278	-	-	-	278
Ticketing and reckoning activity		116		L	<del> </del>	116_

# Annex 5/b: Summing-up table of network access charges of MÁV Zrt for the 2022/2023 timetable period (HUF) broken down by Network Statement

Services - MÁV Zrt. 2022/2023	nade:	Mark-up	Amount to be
Services - MAV 2rt. 2022/2023	Charge		paid
Ensuring of train path	1	8	9
Running of trains			
Gross ton proportionate part			
Passenger train, Standard freight train, Locomotive train	0,30	-	0,30
Special freight train - Freight train of Záhony	0,26	-	0,26
Special freight train - Corridor freight train	0,28	0,01	0,29
Train km proportionate part			
Passenger trains	(2	227	200
track section category I track section category II	63 98	327 243	390 341
track section category III	93	35	128
Locomotive trains	/3	33	120
track section category I	64	346	410
track section category II	95	310	405
track section category III	105	285	390
Standard freight trains			
track section category I	64	396	460
track section category II	86	341	427
track section category III	145	83	228
Special freight trains - Freight train of Záhony	40	3/4	424
track section category I	60 106	361	421
track section category II track section category III	106 104	282 107	388 211
Special freight trains - Corridor freight train	104	107	
track section category I	55	404	459
track section category II	89	337	426
track section category III			
Use of catenary	47	19	66
Use of stations by passenger trains for stopping			
I. station category	1 479	1 820	3 299
II. station category	1 089	1 679	2 768
III. station category	1 023	897	1 920
IV. station category	826	892	1 718
Use of origin/destination stations by passenger trains  I. station category	914	1 376	2 290
II. station category	867	959	1 826
III. station category	854	59	913
IV. station category	913	-	913
Use of stations by freight trains			
I. station category	5 050	-	5 050
II. station category	2 530	-	2 530
III. station category	800	-	800
Storage of vehicles	95	97	192
Use of wagon weigh bridges (scales)	2 700	-	2 700
Use of refuelling facilities	27	-	27
Ensuring of shunting staff for passenger trains	8 660	-	8 660
Ensuring of shunting staff freight and locomotive trains ordered within 8 days before the scheduled use of the service	5 650	-	5 650
Ensuring of shunting staff freight and locomotive trains ordered more than 8 days before the scheduled use of the service	4 500	-	4 500
Ensuring of traction unit for passenger trains	40 623	-	40 623
Ensuring of traction unit for freight and locomotive trains	25 350	-	25 350
Ensuring of fuel for traction	276	-	276
Train acceptance	4 500	-	4 500
Staff ensured for weighing	4 500 27 960	-	4 500 27 960
Exchange of axles Use of bogies	27 960 49	-	27 960
Ensuring of traction current	77		+7
Transmitted traction current	21,8	-	21,8
System-use	4,3	-	4,3
Network loss of transmitted traction current	0,6	-	0,6
Energy tax	0,3	-	0,3
Funds under the Act on Electricity Ensuring of electric energy used for other than traction purposes (preheating, precooling)	4,4	-	4,4
	22.2		22.7
Transmitted electric energy used for other than traction purposes	22,3		22,3
System-use	4,7	-	4,7
Network loss of transmitted electric energy used for other than	0,3	-	0,3
traction purposes Energy tax	0,3	-	0,3
Funds under the Act on Electricity	3,9	-	3,9
Ensuring of fuel used for other than traction purposes (preheating,	278		278
	4/0	-	1 4/8
precooling) Ficketing and reckoning activity	116		116

# 6. 4.5-2 Ranking of train types in train categories from business and traffic point of view

Train category in the Network Statement	sponding to cree No. FM	Business train types			Traffic train types in the working timetable				
	Classification corres Sec. 17 (3) of Dec 55/2015. NI	Abbreviation	Full name	Code	Abbreviation	Full name	Code		
		Trains performing domestic freight transport							
D	d	Bt	Domestic combined traffic freight train	49	Gt	St Domestic fast freight train 34			